

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062833.D
 Acq On : 24 Jun 2019 11:59
 Operator : VA/AP
 Sample : VD0624SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

Quant Time: Jun 25 05:02:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	990511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1289391	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1146032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	604941	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	516478	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	6.94	113	512849	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
50) Toluene-d8	10.42	98	1127157	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
62) 4-Bromofluorobenzene	13.56	95	508210	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	263554	20.562	ug/l	95
3) Chloromethane	1.76	50	188181	19.522	ug/l #	83
4) Vinyl Chloride	1.85	62	188610	19.734	ug/l	97
5) Bromomethane	2.15	94	68654	15.338	ug/l	96
6) Chloroethane	2.26	64	80612	18.630	ug/l	98
7) Trichlorofluoromethane	2.53	101	361349	18.681	ug/l	100
8) Diethyl Ether	2.87	74	50837	20.685	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	210916	20.128	ug/l	94
10) Methyl Iodide	3.30	142	240102	17.367	ug/l	97
11) Tert butyl alcohol	4.10	59	42214	86.087	ug/l #	57
12) 1,1-Dichloroethene	3.13	96	156489	19.907	ug/l	95
13) Acrolein	3.04	56	39999	79.901	ug/l	90
14) Allyl chloride	3.62	41	227078	19.550	ug/l	99
15) Acrylonitrile	4.20	53	109947	95.421	ug/l	91
16) Acetone	3.23	43	187917	81.347	ug/l #	91
17) Carbon Disulfide	3.37	76	471666	18.774	ug/l #	94
18) Methyl Acetate	3.65	43	77438	23.826	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	343532	20.187	ug/l	99
20) Methylene Chloride	3.82	84	172599	21.020	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	163262	19.505	ug/l	98
22) Diisopropyl ether	5.13	45	463134	19.606	ug/l	96
23) Vinyl Acetate	5.07	43	1431206	96.826	ug/l	99
24) 1,1-Dichloroethane	4.99	63	294745	19.165	ug/l	96
25) 2-Butanone	6.08	43	206106	102.352	ug/l	93
26) 2,2-Dichloropropane	6.03	77	328529	20.153	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	173357	19.585	ug/l	97
28) Bromochloromethane	6.44	49	103279	19.067	ug/l	96
29) Tetrahydrofuran	6.47	42	93934	98.591	ug/l	96
30) Chloroform	6.67	83	358004	19.140	ug/l	96
31) Cyclohexane	6.97	56	183809	18.180	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	362231	18.593	ug/l	92
36) 1,1-Dichloropropene	7.15	75	234839	19.240	ug/l	94
37) Ethyl Acetate	6.19	43	99974	18.811	ug/l	96
38) Carbon Tetrachloride	7.11	117	355673	19.375	ug/l	96

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Quant Time: Jun 25 05:02:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	199948	18.610	ug/l	96
40) Benzene	7.46	78	479211	19.559	ug/l	94
41) Methacrylonitrile	6.45	41	128830	20.014	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	257942	19.299	ug/l	98
43) Isopropyl Acetate	9.25	43	131547	20.557	ug/l #	99
44) Trichloroethene	8.55	130	188713	19.646	ug/l	90
45) 1,2-Dichloropropane	8.94	63	114897	18.859	ug/l	94
46) Dibromomethane	9.06	93	106719	20.392	ug/l	93
47) Bromodichloromethane	9.39	83	255975	18.833	ug/l	98
48) Methyl methacrylate	9.13	41	89622	19.708	ug/l	86
49) 1,4-Dioxane	9.09	88	14817	391.642	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	455370	100.369	ug/l	95
52) Toluene	10.52	92	315368	19.148	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	230729	20.740	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	244045	20.183	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	111646	19.731	ug/l	88
56) Ethyl methacrylate	11.05	69	119325	19.733	ug/l	96
57) 1,3-Dichloropropane	11.42	76	162093	18.709	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	326541	105.185	ug/l	95
59) 2-Hexanone	11.54	43	324167	100.325	ug/l	96
60) Dibromochloromethane	11.69	129	213376	20.245	ug/l	98
61) 1,2-Dibromoethane	11.81	107	128054	19.162	ug/l	95
64) Tetrachloroethene	11.26	164	176870	18.752	ug/l	97
65) Chlorobenzene	12.40	112	399174	18.768	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	184460	18.545	ug/l	95
67) Ethyl Benzene	12.53	91	739222	19.358	ug/l	99
68) m/p-Xylenes	12.68	106	521638	39.221	ug/l	93
69) o-Xylene	13.05	106	238476	19.614	ug/l	86
70) Styrene	13.08	104	416232	19.491	ug/l	93
71) Bromoform	13.24	173	125697	18.444	ug/l	96
73) Isopropylbenzene	13.40	105	748797	19.305	ug/l	98
74) N-amyl acetate	13.27	43	178192	18.917	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	119520	18.912	ug/l	88
76) 1,2,3-Trichloropropane	13.74	75	143417	20.536	ug/l	94
77) Bromobenzene	13.67	156	200203	19.190	ug/l	83
78) n-propylbenzene	13.78	91	854236	18.922	ug/l	95
79) 2-Chlorotoluene	13.85	91	486588	18.860	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	650118	19.954	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	33056	18.060	ug/l	95
82) 4-Chlorotoluene	13.95	91	611086	19.674	ug/l	92
83) tert-Butylbenzene	14.19	119	721058	19.855	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	647799	19.399	ug/l	98
85) sec-Butylbenzene	14.37	105	771897	19.557	ug/l	96
86) p-Isopropyltoluene	14.50	119	728037	20.162	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	396947	21.225	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	370910	19.746	ug/l	97
89) n-Butylbenzene	14.80	91	637130	18.852	ug/l	97
90) Hexachloroethane	15.01	117	188429	19.408	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	305712	19.106	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26759	21.693	ug/l	69

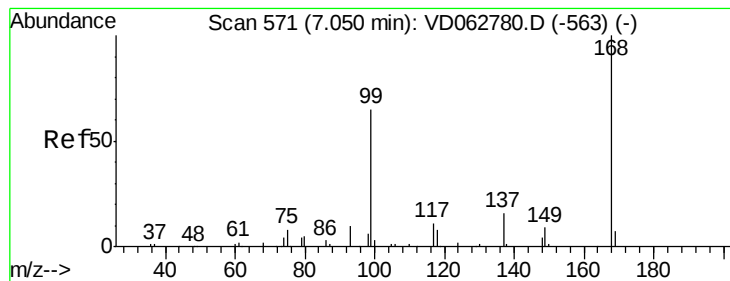
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062833.D
Acq On : 24 Jun 2019 11:59
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	252926	20.236	ug/l	92
94) Hexachlorobutadiene	16.04	225	181978	19.058	ug/l	97
95) Naphthalene	16.12	128	346132	19.758	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	187775	19.553	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

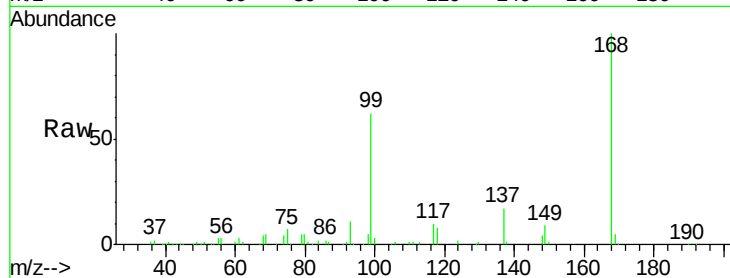
VD0624SBS01

Tot Ion:168 Resp: 990511

Ion Ratio Lower Upper

168 100

99 61.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

300000

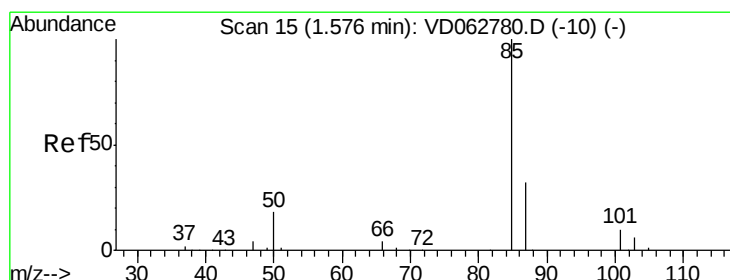
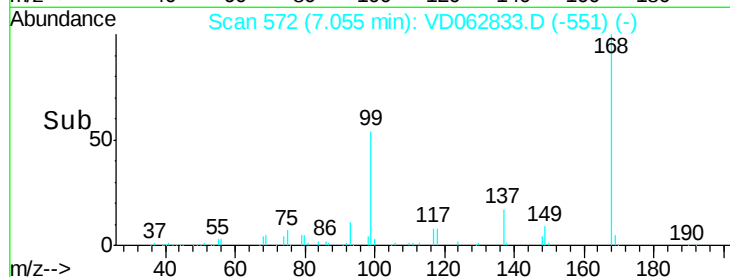
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.562 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD062833.D

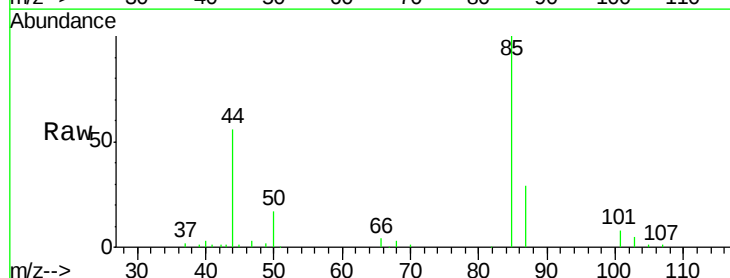
Acq: 24 Jun 2019 11:59

Tgt Ion: 85 Resp: 263554

Ion Ratio Lower Upper

85 100

87 29.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

100000

80000

60000

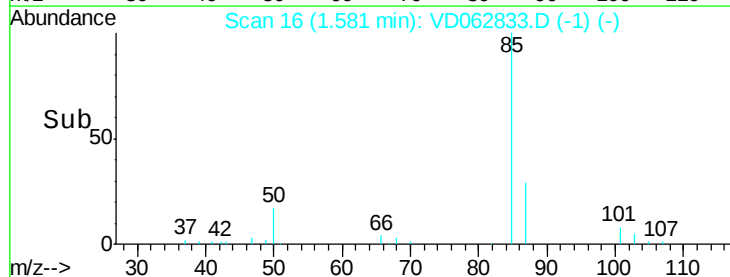
40000

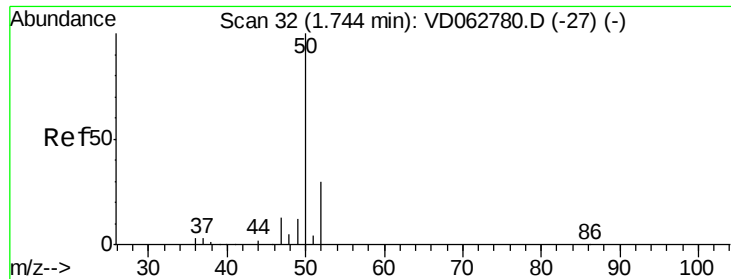
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.522 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

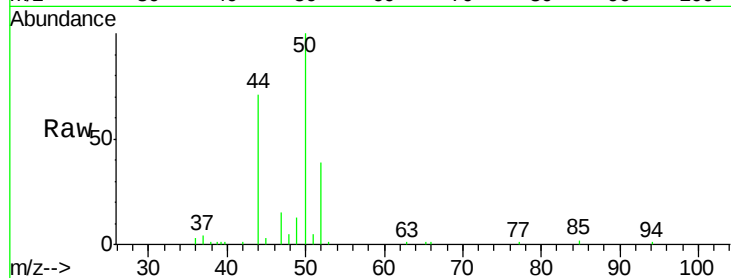
VD0624SBS01

Tot Ion: 50 Resp: 188181

Ion Ratio Lower Upper

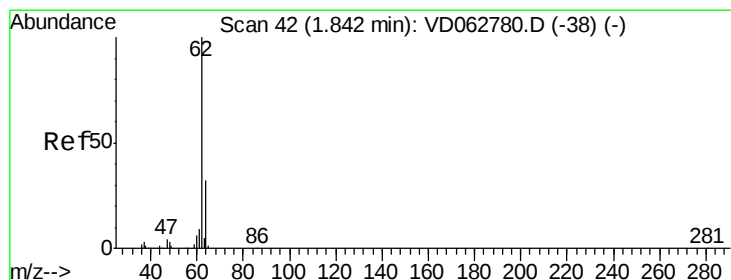
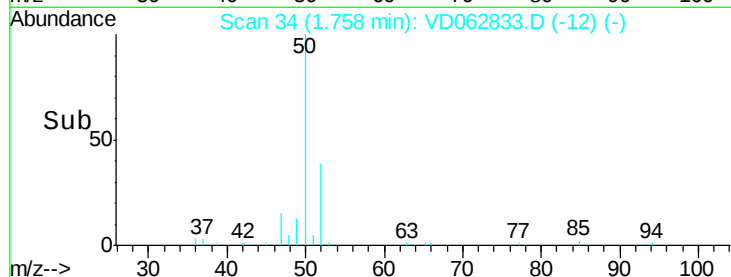
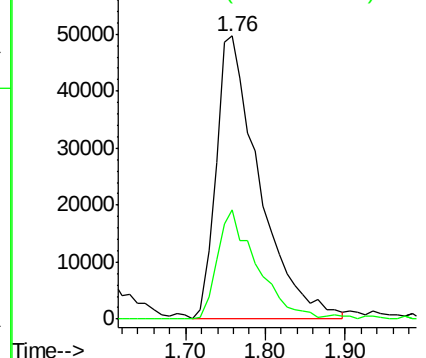
50 100

52 38.6 23.6 35.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.734 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062833.D

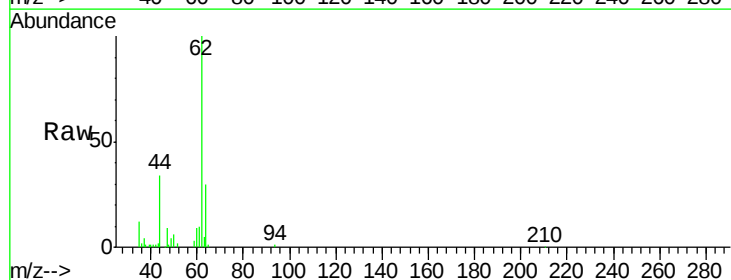
Acq: 24 Jun 2019 11:59

Tgt Ion: 62 Resp: 188610

Ion Ratio Lower Upper

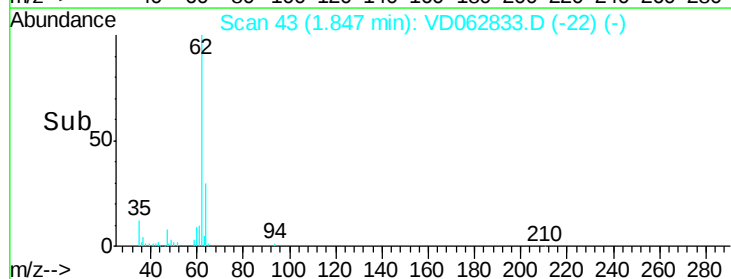
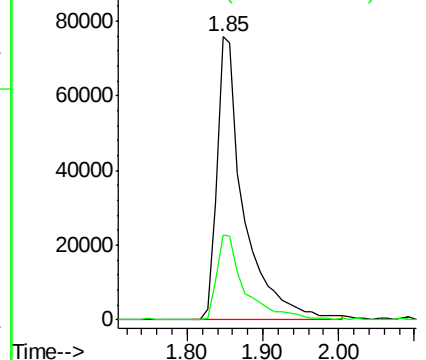
62 100

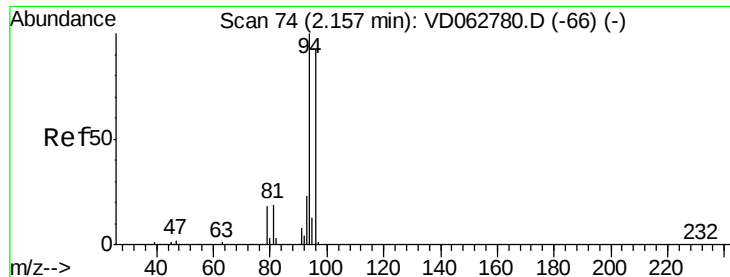
64 30.2 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.338 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

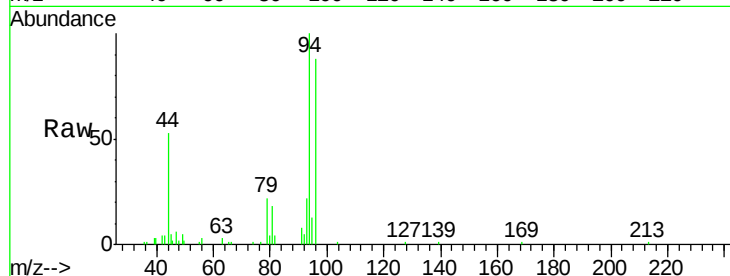
Tot Ion: 94 Resp: 68654

Ion Ratio Lower Upper

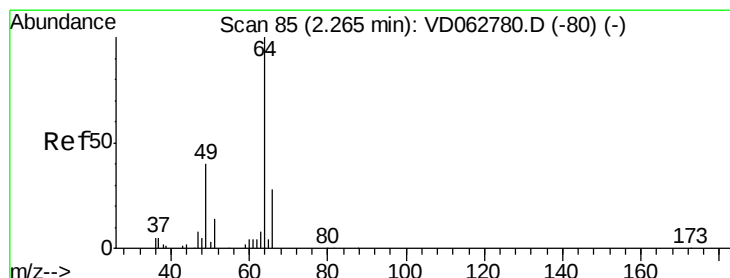
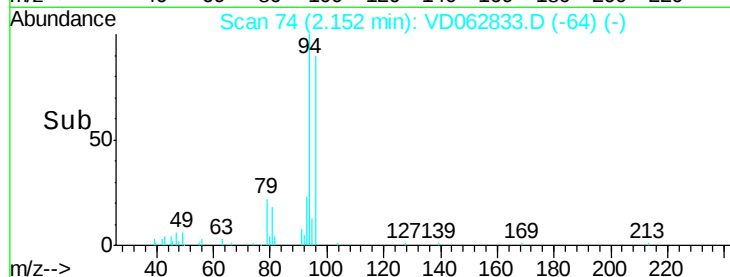
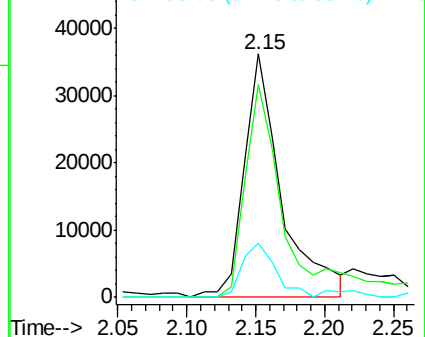
94 100

96 87.5 73.4 110.2

93 22.0 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.630 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD062833.D

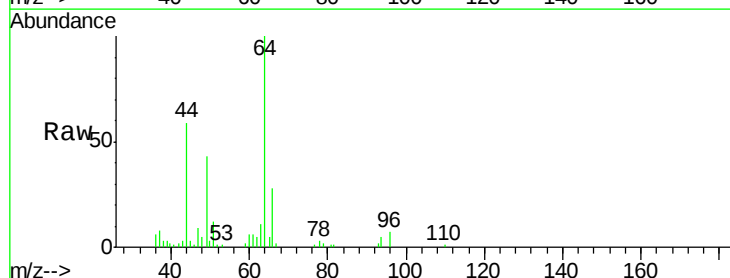
Acq: 24 Jun 2019 11:59

Tgt Ion: 64 Resp: 80612

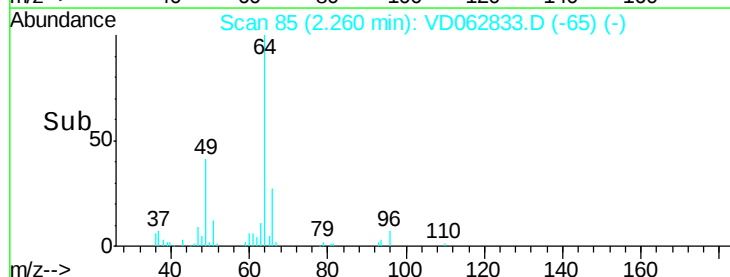
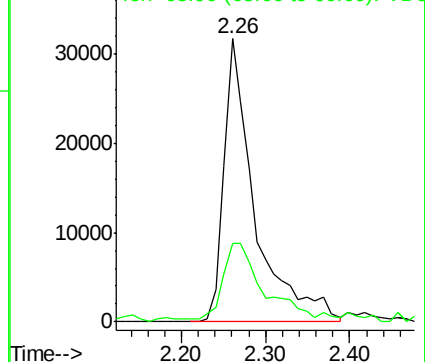
Ion Ratio Lower Upper

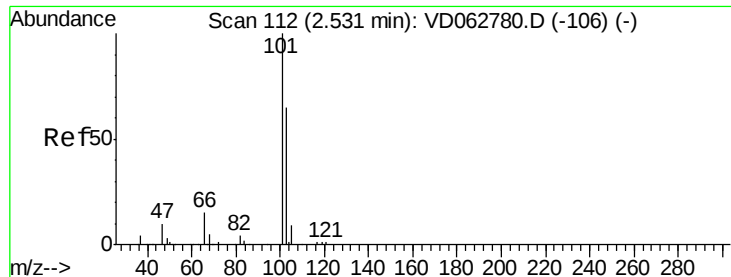
64 100

66 27.9 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



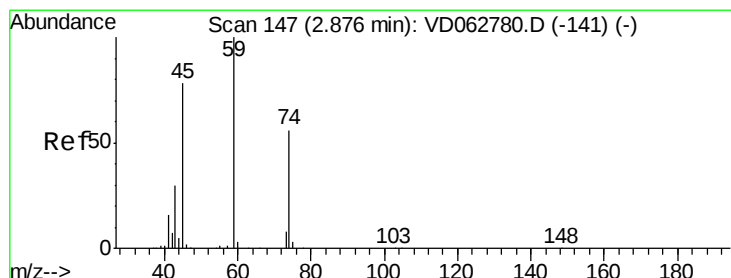
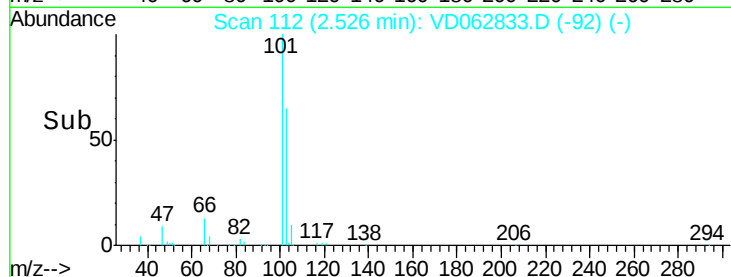
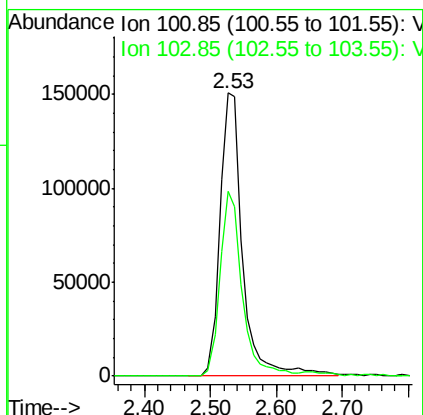
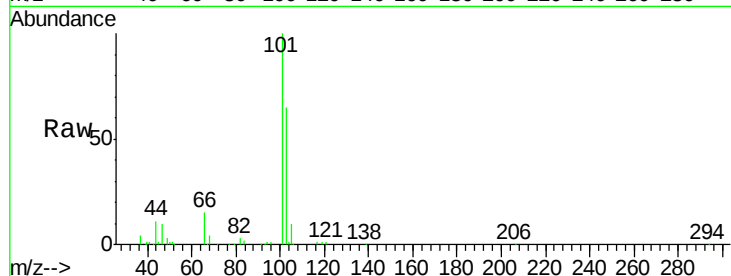


#7

Trichlorofluoromethane
 Concen: 18.681 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Instrument :
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 ClientSampleId :
 VD0624SBS01

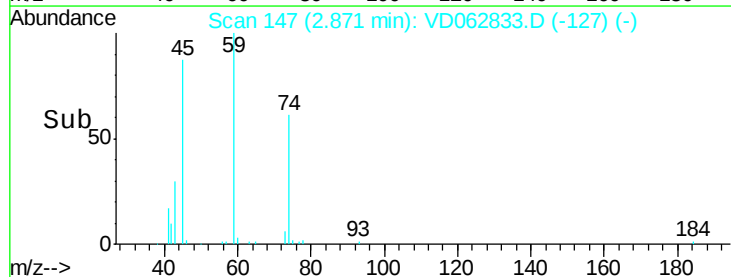
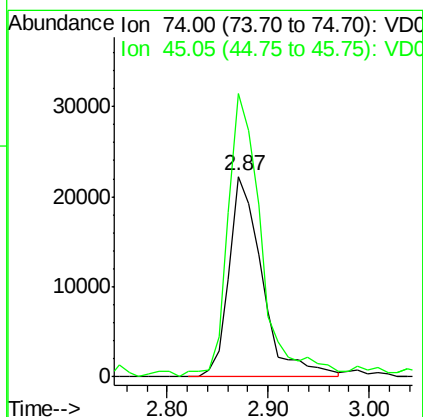
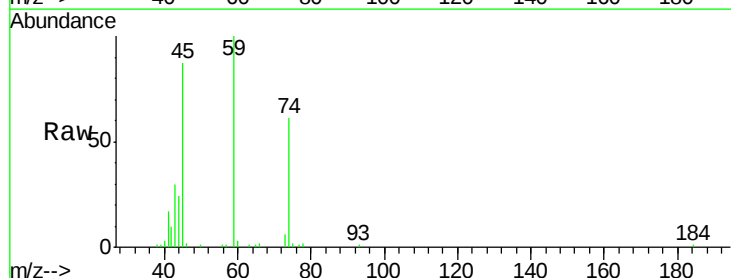
Tot Ion:101 Resp: 361349
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.8 77.8

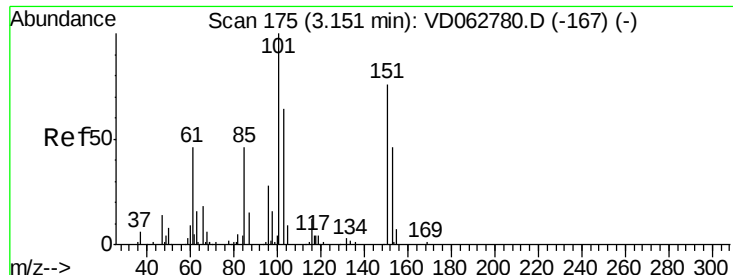


#8

Diethyl Ether
 Concen: 20.685 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Tgt Ion: 74 Resp: 50837
 Ion Ratio Lower Upper
 74 100
 45 141.1 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.128 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

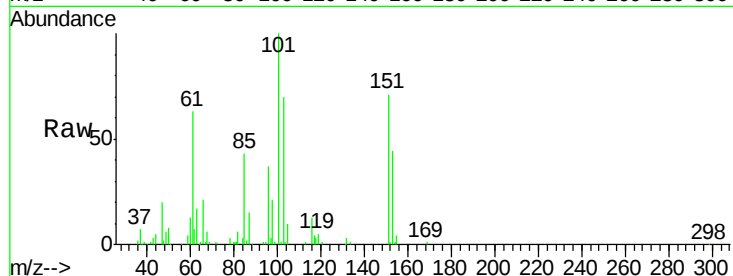
Tot Ion:101 Resp: 210916

Ion Ratio Lower Upper

101 100

85 42.6 37.0 55.4

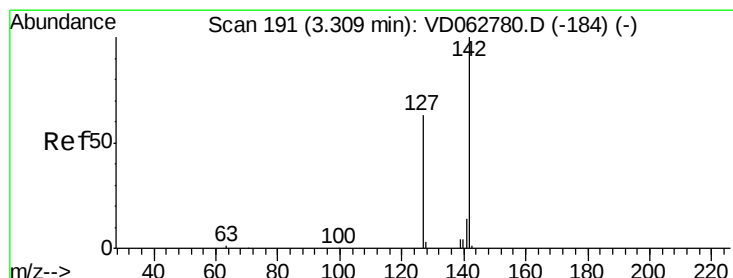
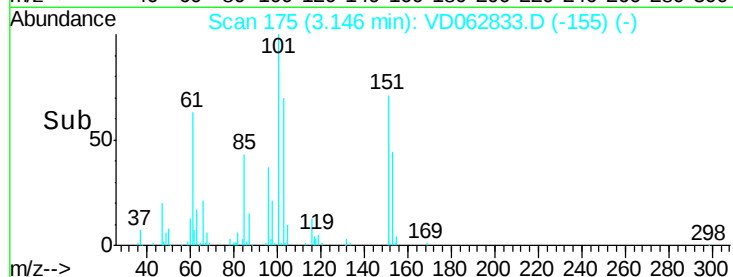
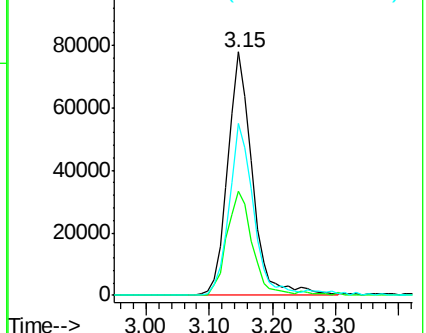
151 70.6 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.367 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

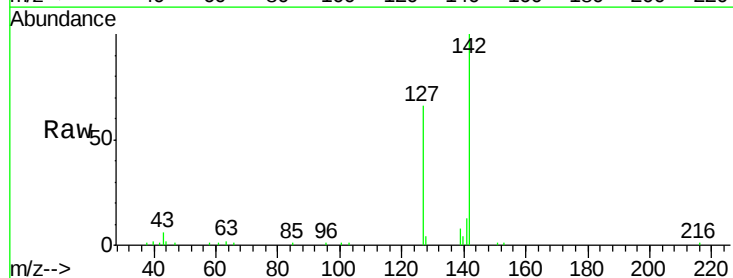
Tgt Ion:142 Resp: 240102

Ion Ratio Lower Upper

142 100

127 65.6 50.1 75.1

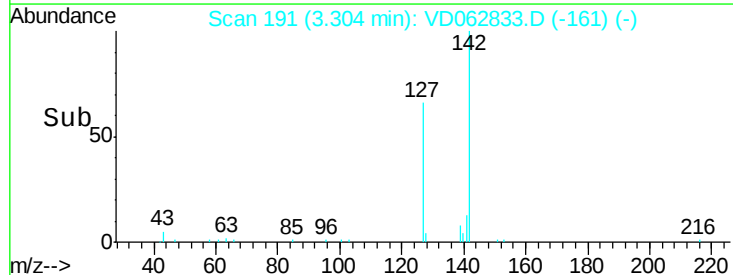
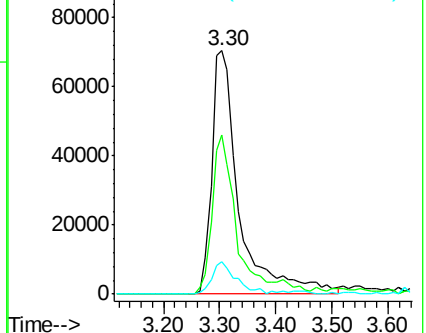
141 13.3 11.0 16.4

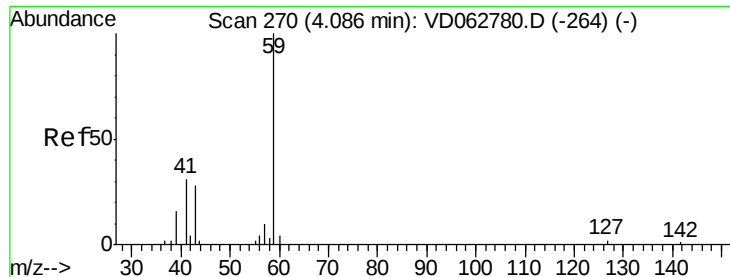


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



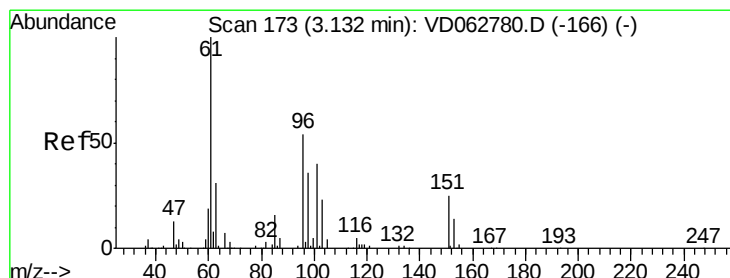
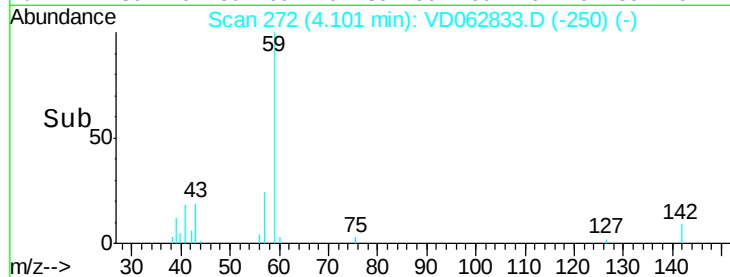
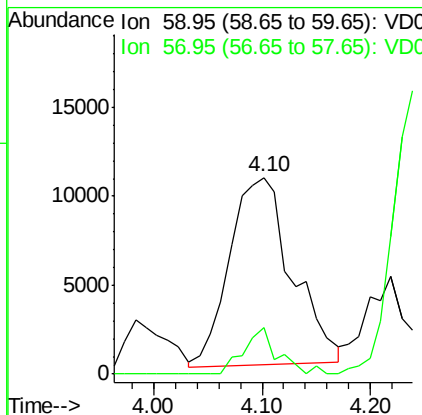
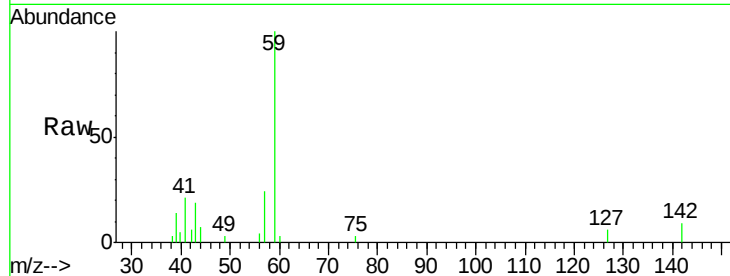


#11

Tert butyl alcohol
 Concen: 86.087 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. 0.01 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

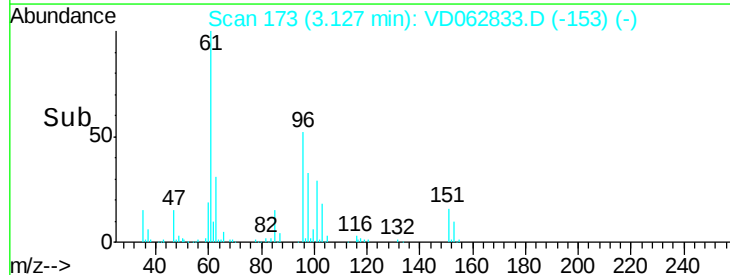
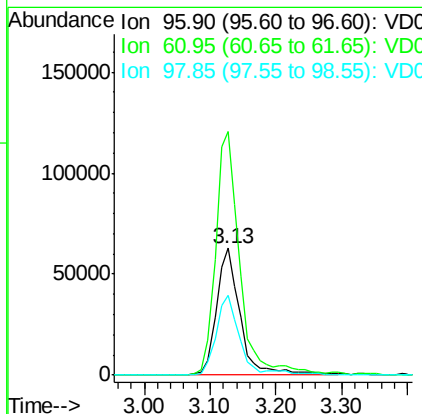
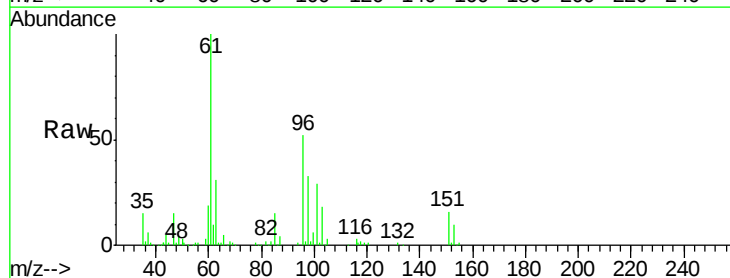
Tot Ion: 59 Resp: 42214
 Ion Ratio Lower Upper
 59 100
 57 23.8 6.6 10.0#

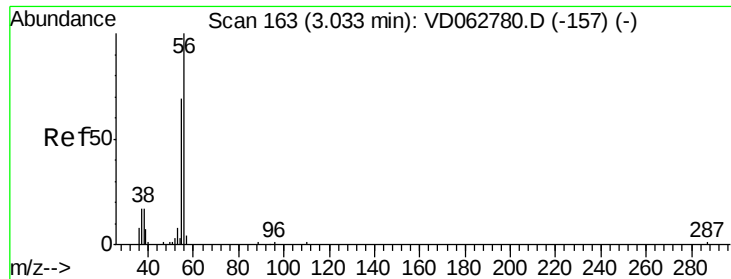


#12

1,1-Dichloroethene
 Concen: 19.907 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Tgt Ion: 96 Resp: 156489
 Ion Ratio Lower Upper
 96 100
 61 192.1 147.1 220.7
 98 62.9 52.6 79.0





#13

Acrolein

Concen: 79.901 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

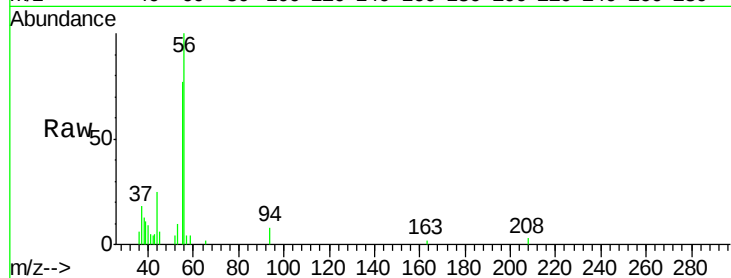
VD0624SBS01

Tot Ion: 56 Resp: 39999

Ion Ratio Lower Upper

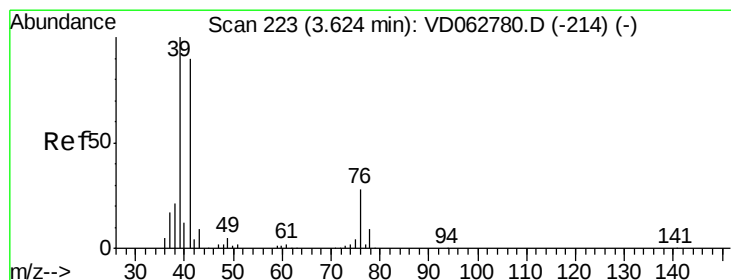
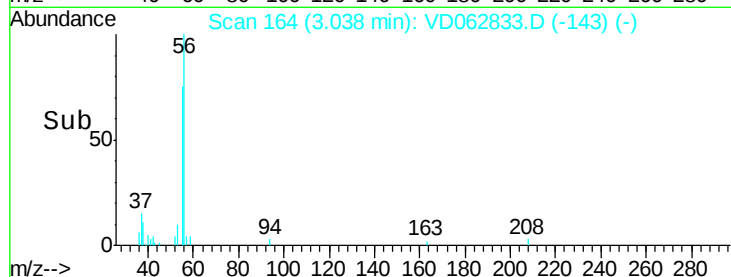
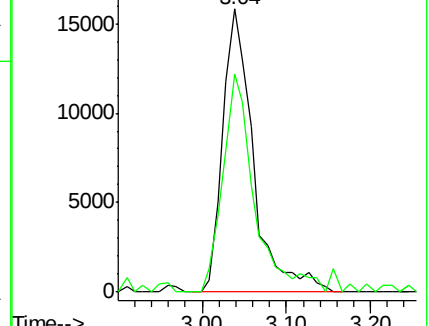
56 100

55 77.2 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.550 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

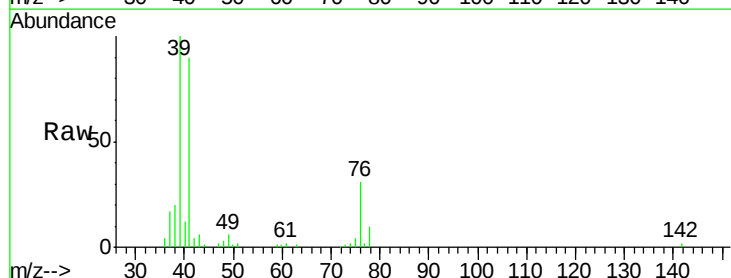
Tgt Ion: 41 Resp: 227078

Ion Ratio Lower Upper

41 100

39 111.3 88.8 133.2

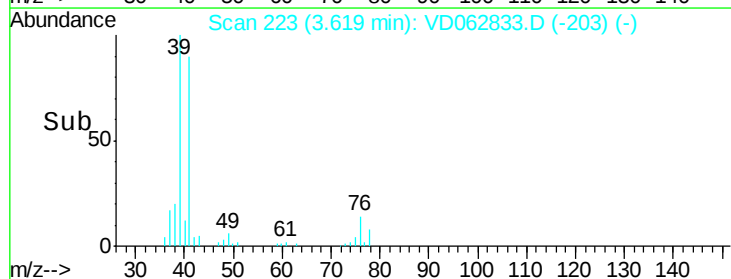
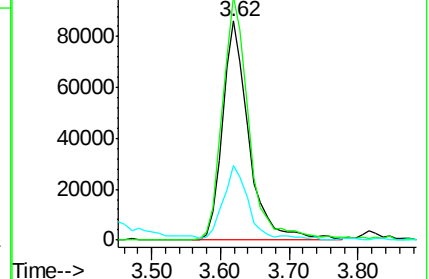
76 34.3 26.7 40.1

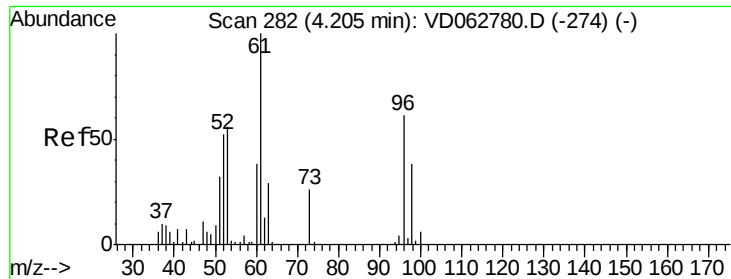


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.421 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

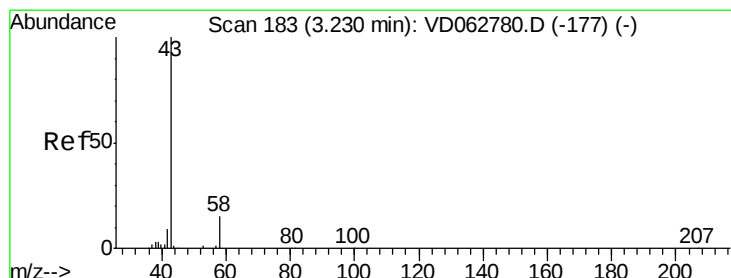
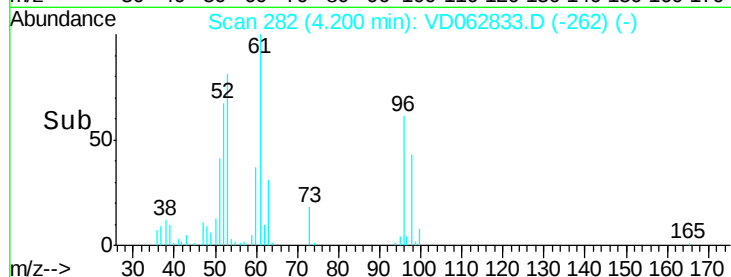
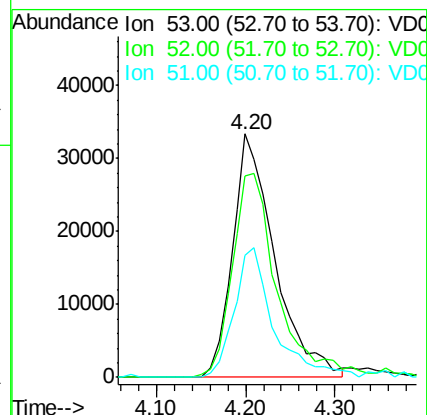
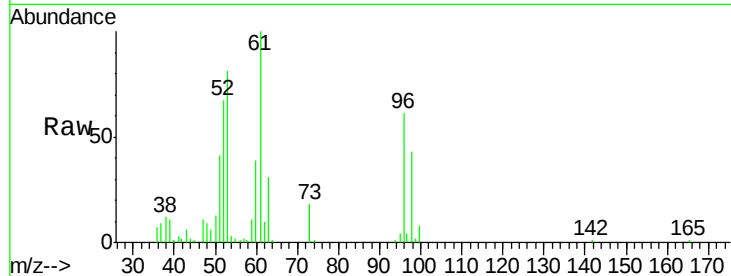
Tot Ion: 53 Resp: 109947

Ion Ratio Lower Upper

53 100

52 82.7 73.3 109.9

51 50.3 44.8 67.2



#16

Acetone

Concen: 81.347 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD062833.D

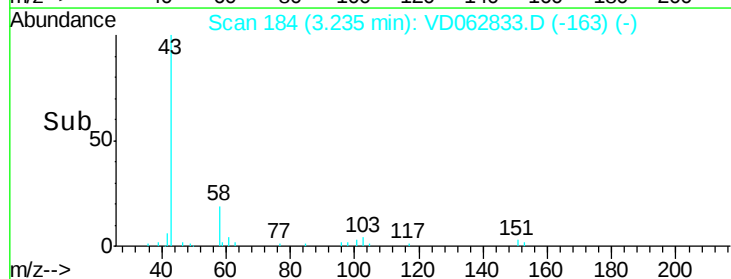
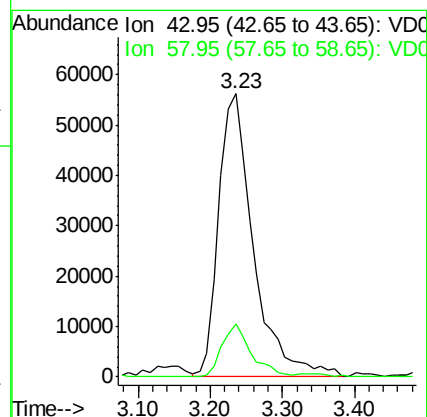
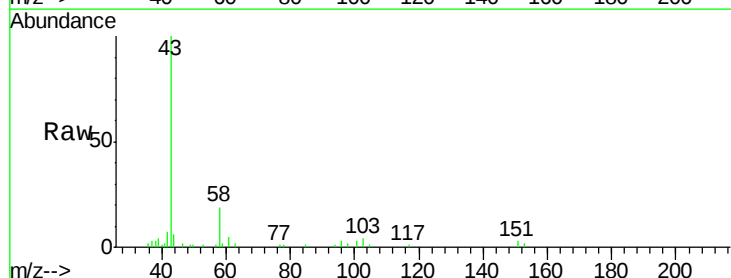
Acq: 24 Jun 2019 11:59

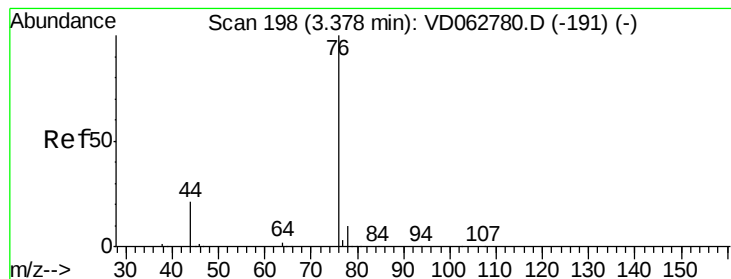
Tgt Ion: 43 Resp: 187917

Ion Ratio Lower Upper

43 100

58 18.6 11.9 17.9#





#17

Carbon Disulfide

Concen: 18.774 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

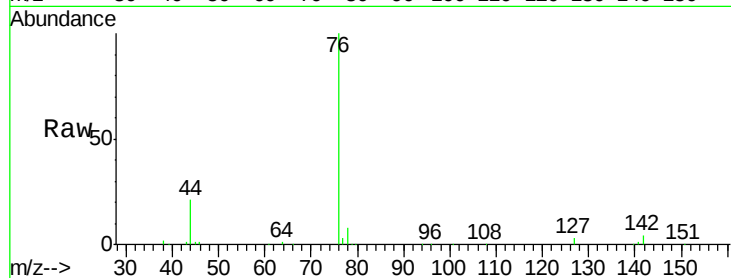
VD0624SBS01

Tot Ion: 76 Resp: 471666

Ion Ratio Lower Upper

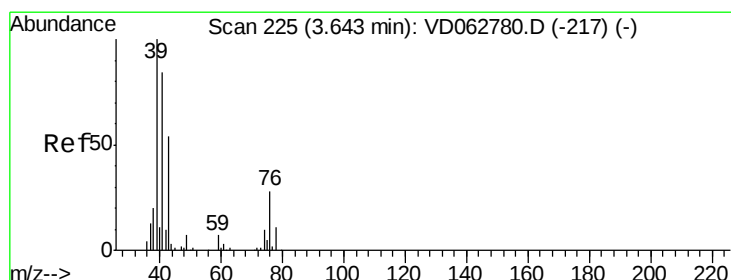
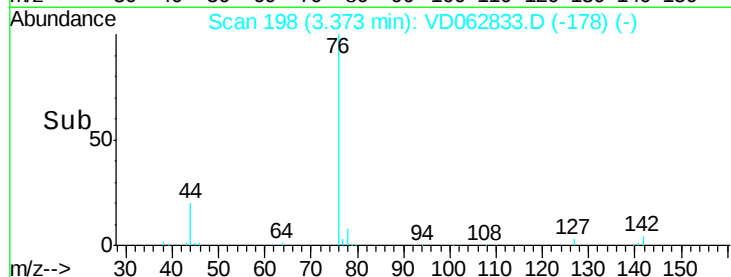
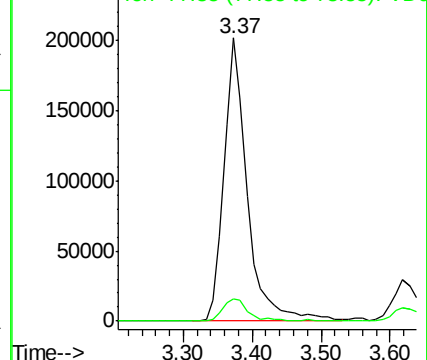
76 100

78 7.8 8.0 12.0#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 23.826 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062833.D

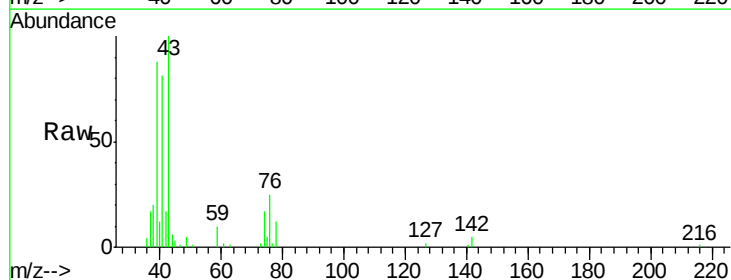
Acq: 24 Jun 2019 11:59

Tgt Ion: 43 Resp: 77438

Ion Ratio Lower Upper

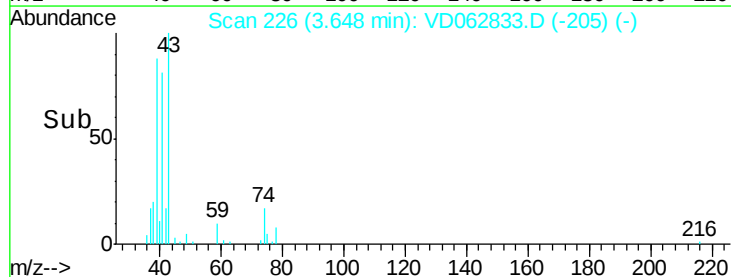
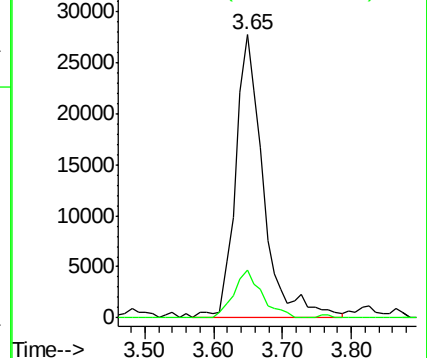
43 100

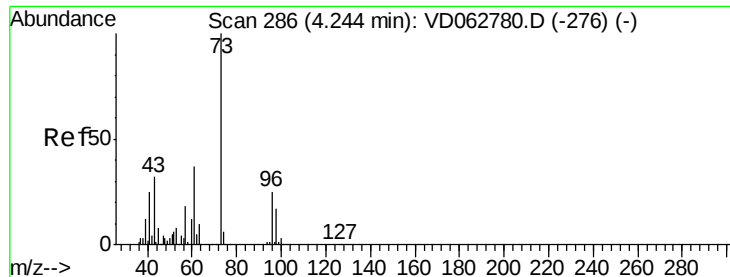
74 16.7 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

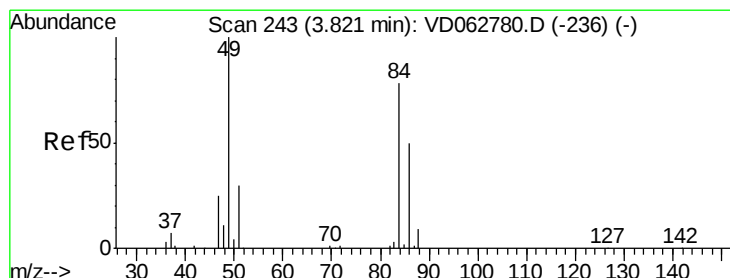
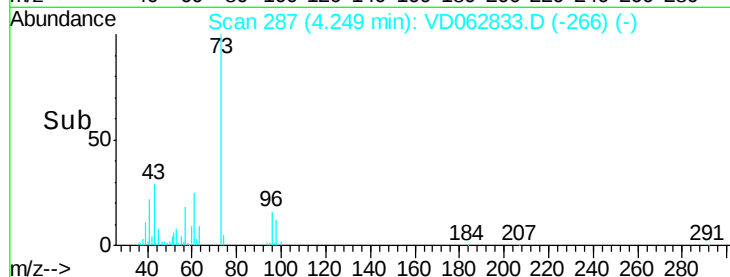
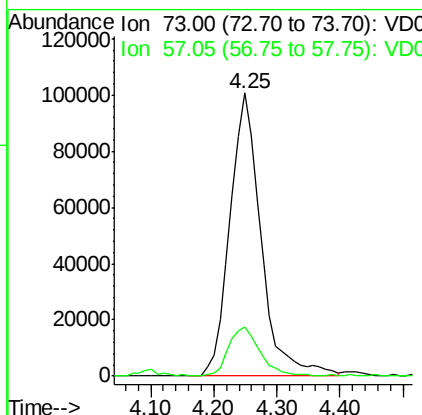
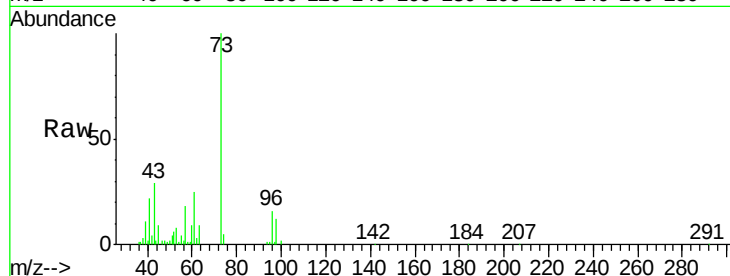




#19
Methvl tert-butvl Ether
Concen: 20.187 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

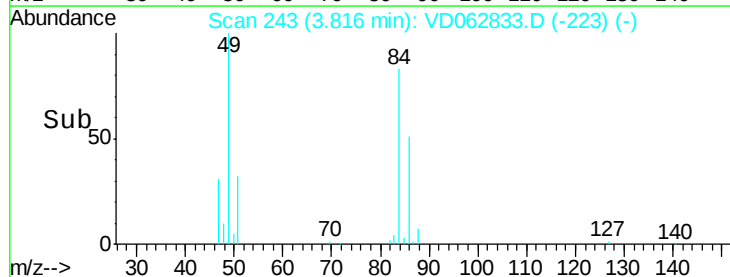
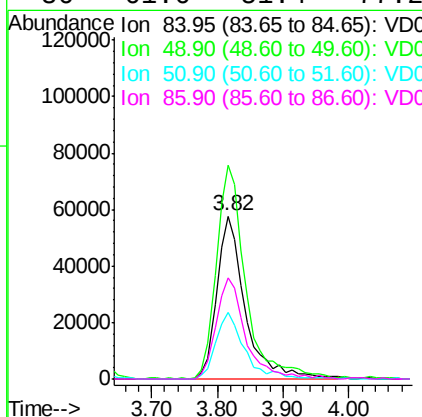
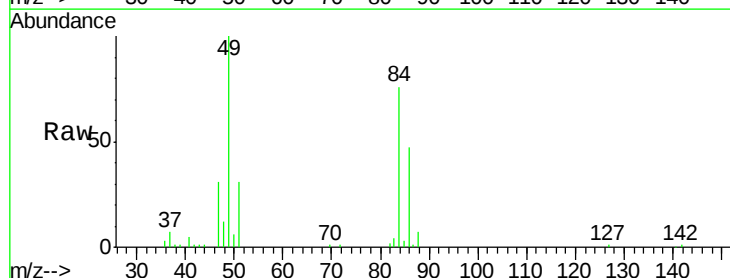
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

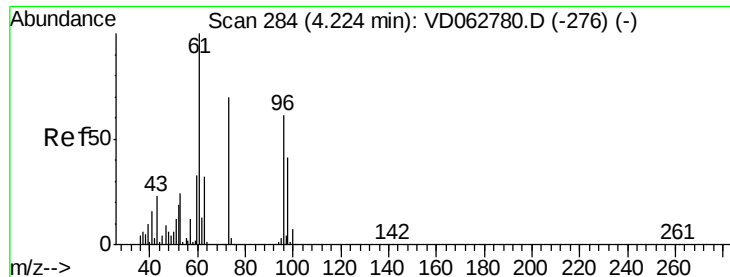
Tot Ion: 73 Resp: 343532
Ion Ratio Lower Upper
73 100
57 17.5 14.3 21.5



#20
Methylene Chloride
Concen: 21.020 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion: 84 Resp: 172599
Ion Ratio Lower Upper
84 100
49 130.9 102.9 154.3
51 40.6 31.2 46.8
86 61.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.505 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

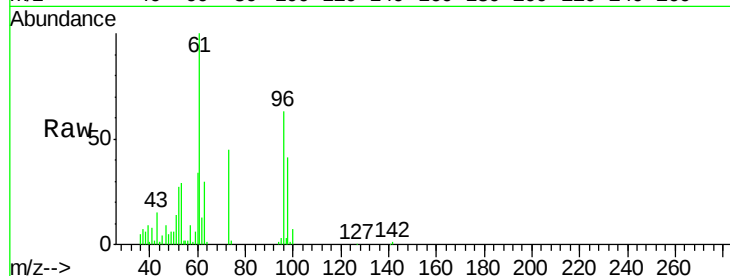
Tot Ion: 96 Resp: 163262

Ion Ratio Lower Upper

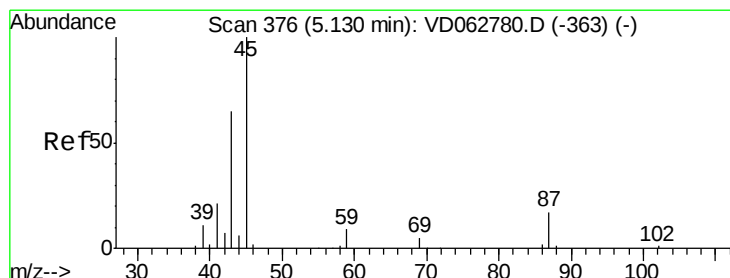
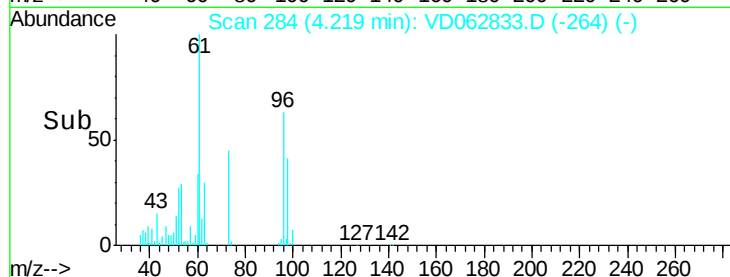
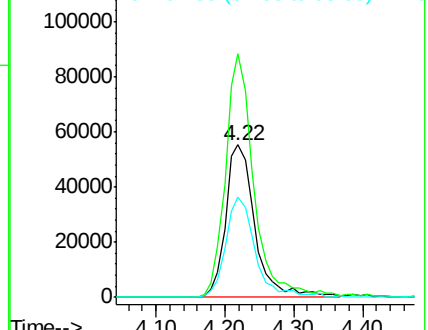
96 100

61 159.5 131.0 196.4

98 65.9 53.2 79.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.606 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Tgt Ion: 45 Resp: 463134

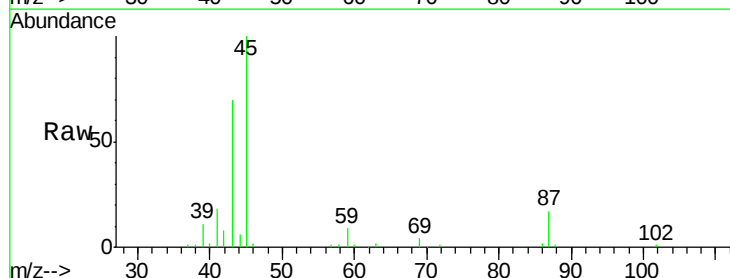
Ion Ratio Lower Upper

45 100

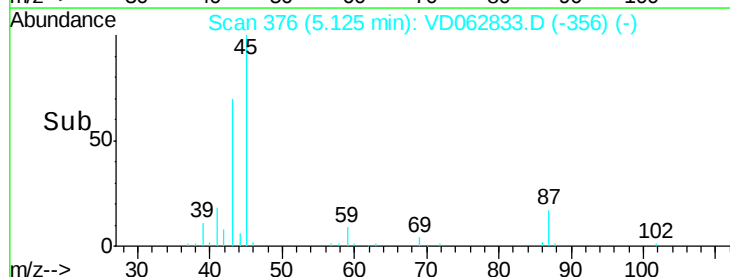
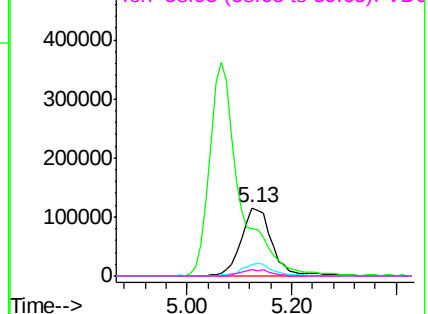
43 70.2 53.4 80.0

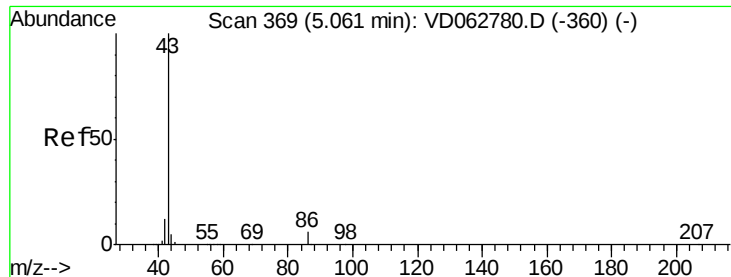
87 17.4 14.6 22.0

59 9.0 7.8 11.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 96.826 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

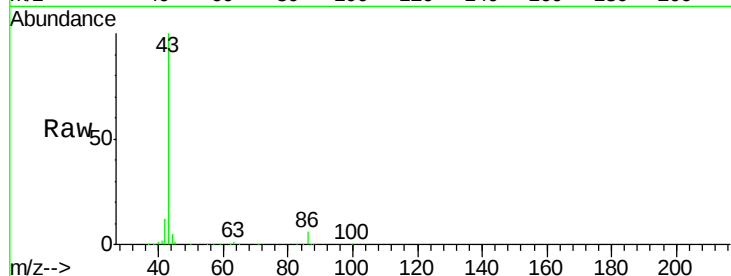
VD0624SBS01

Tot Ion: 43 Resp: 1431206

Ion Ratio Lower Upper

43 100

86 6.1 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

400000

300000

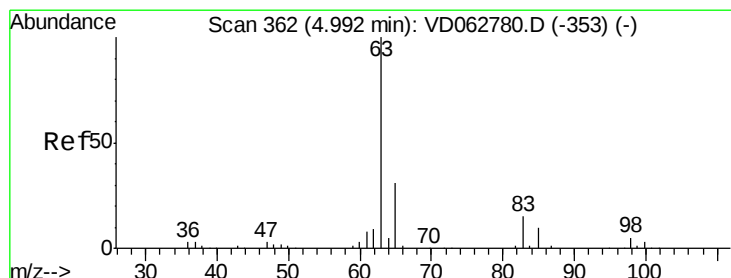
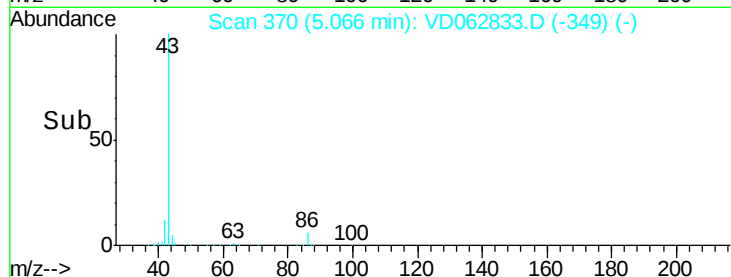
200000

100000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#24

1,1-Dichloroethane

Concen: 19.165 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

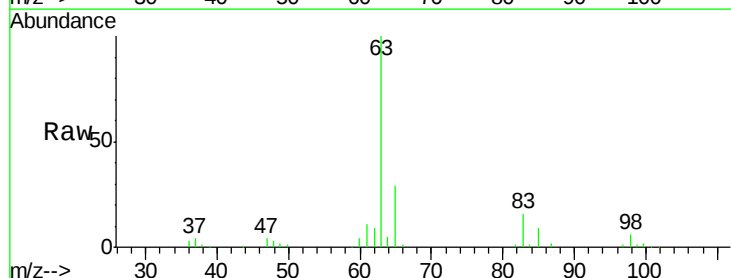
Tgt Ion: 63 Resp: 294745

Ion Ratio Lower Upper

63 100

98 5.5 2.3 6.9

100 1.9 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

100000

80000

60000

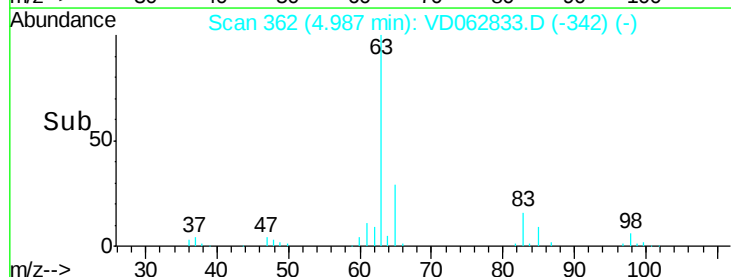
40000

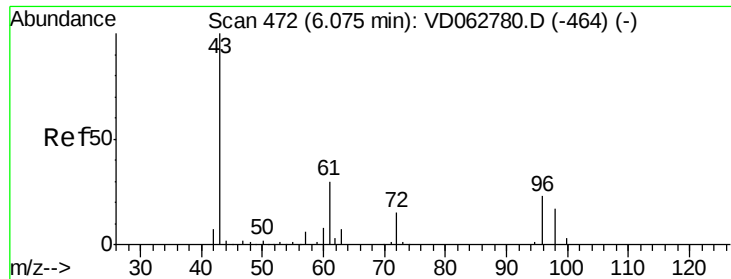
20000

0

4.80 4.90 5.00 5.10 5.20

Time-->





#25

2-Butanone

Concen: 102.352 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

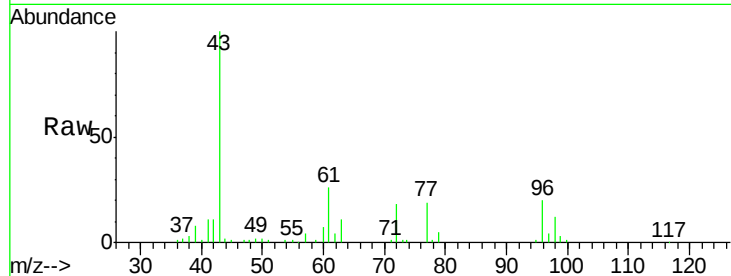
VD0624SBS01

Tot Ion: 43 Resp: 206106

Ion Ratio Lower Upper

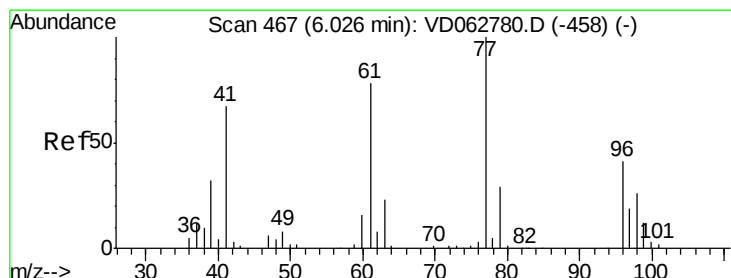
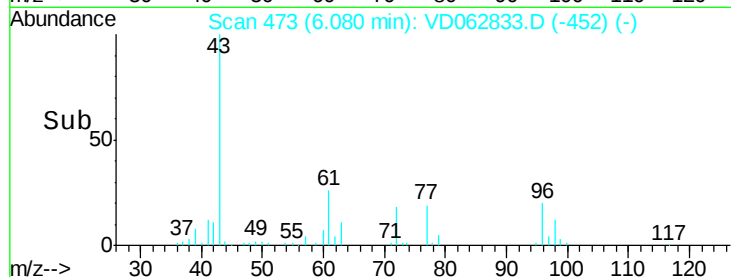
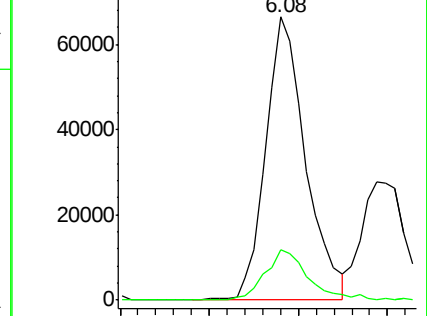
43 100

72 17.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.153 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD062833.D

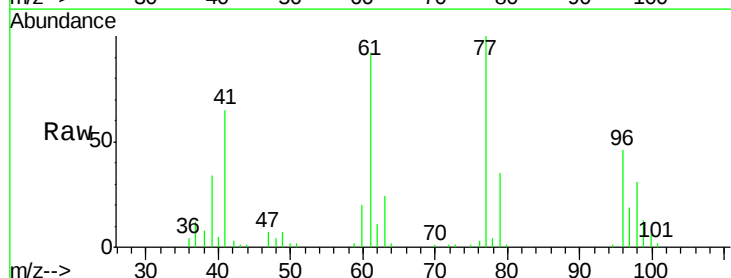
Acq: 24 Jun 2019 11:59

Tgt Ion: 77 Resp: 328529

Ion Ratio Lower Upper

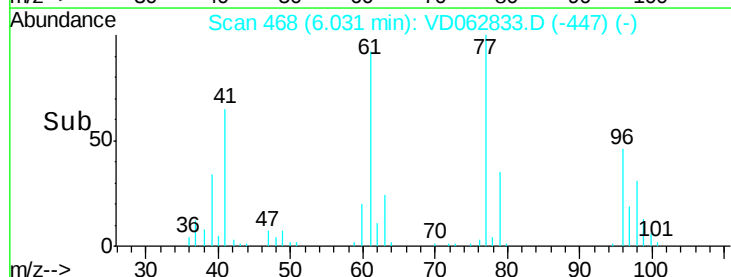
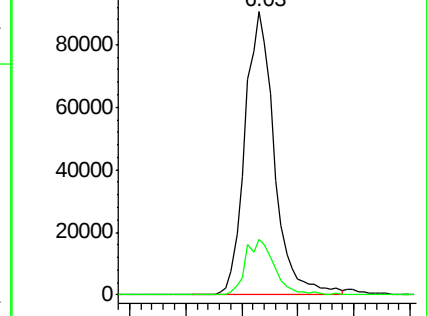
77 100

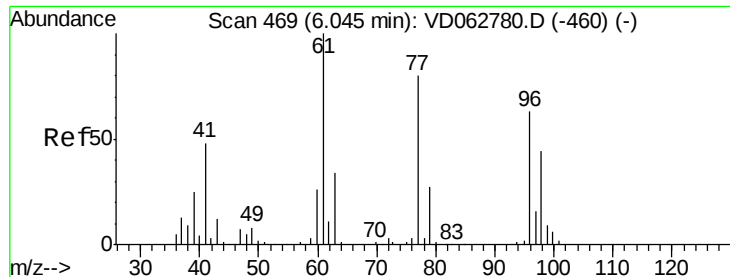
97 19.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



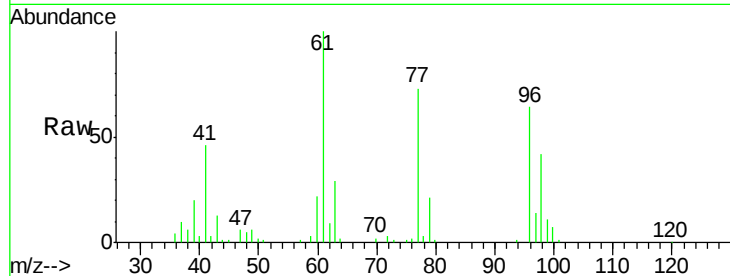


#27

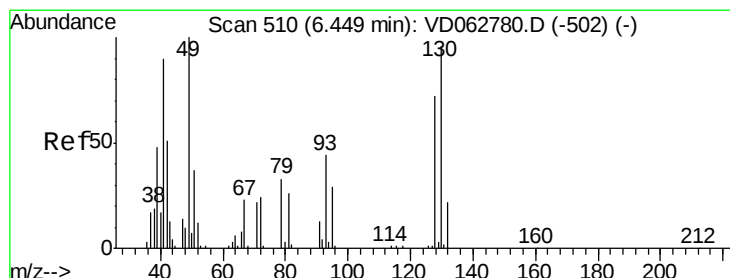
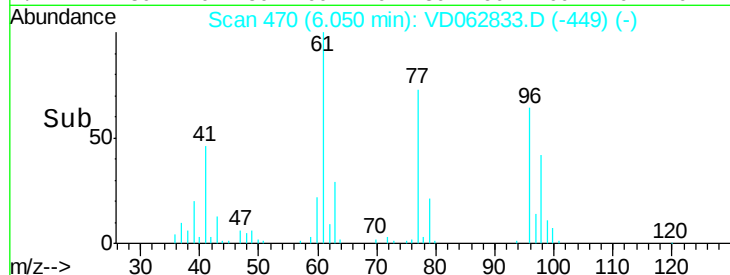
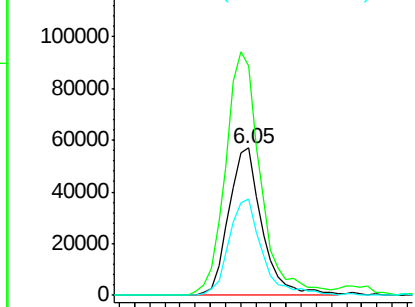
cis-1,2-Dichloroethene
Concen: 19.585 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion: 96 Resp: 173357
Ion Ratio Lower Upper
96 100
61 155.5 0.0 316.0
98 65.8 0.0 138.4



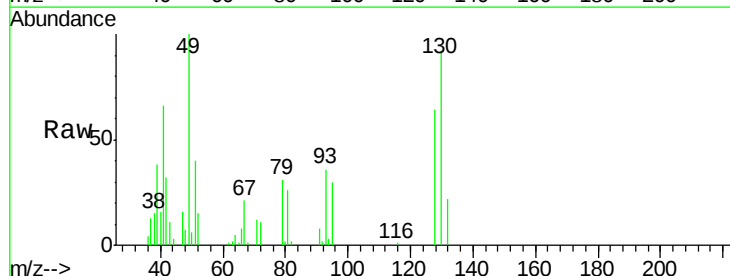
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



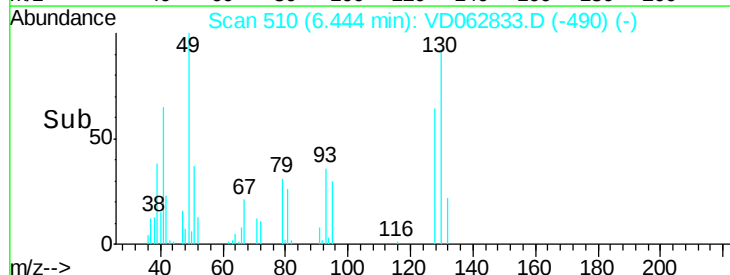
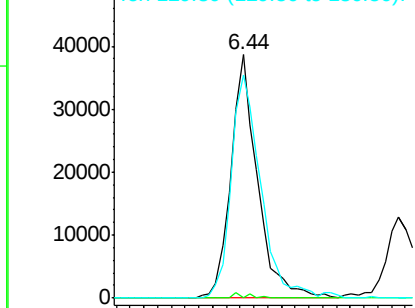
#28

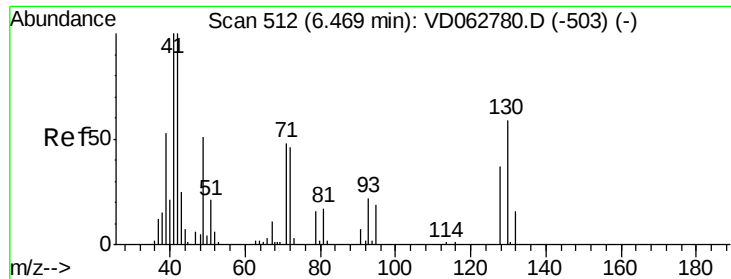
Bromochloromethane
Concen: 19.067 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion: 49 Resp: 103279
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 91.5 76.6 114.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

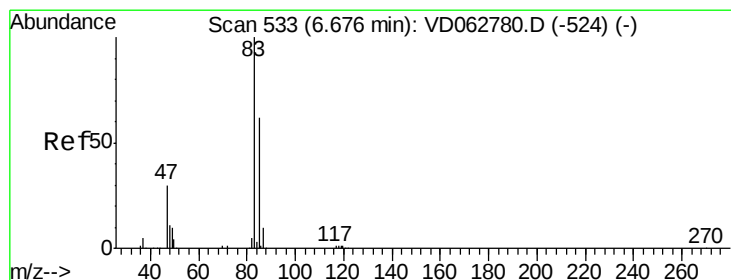
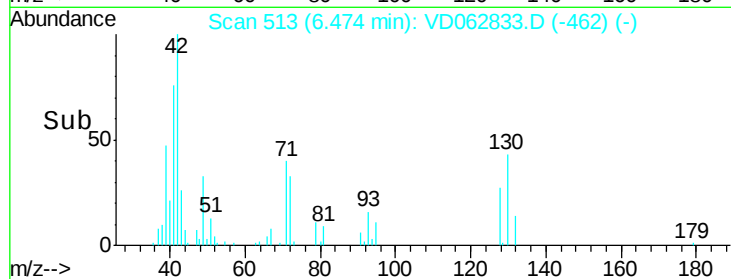
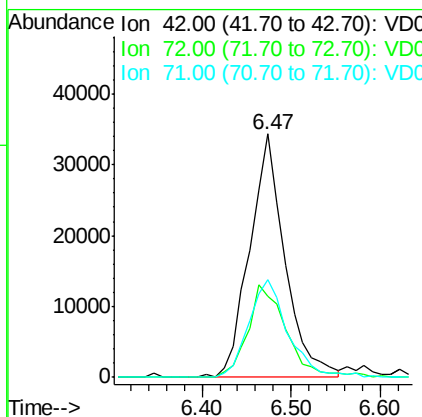
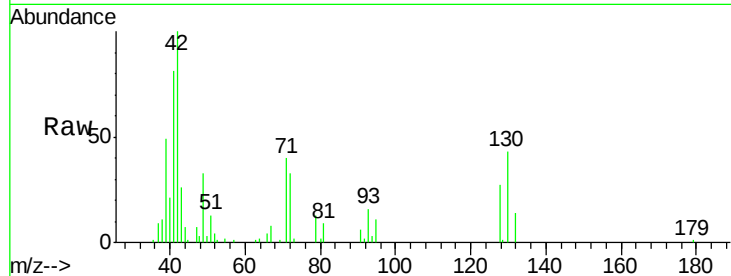




#29
Tetrahydrofuran
Concen: 98.591 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

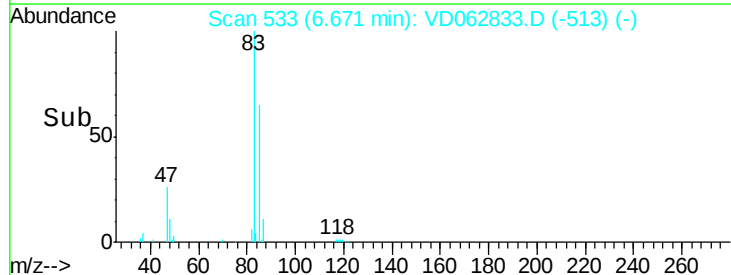
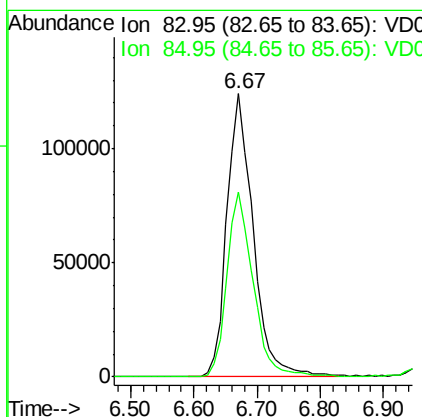
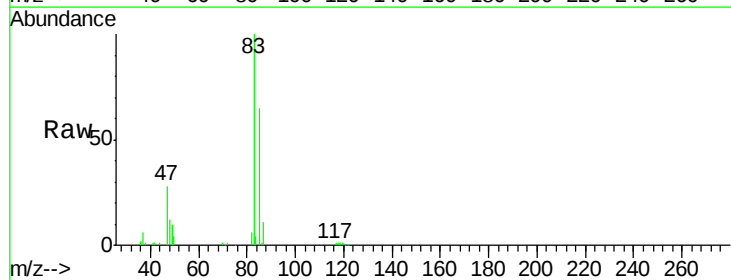
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

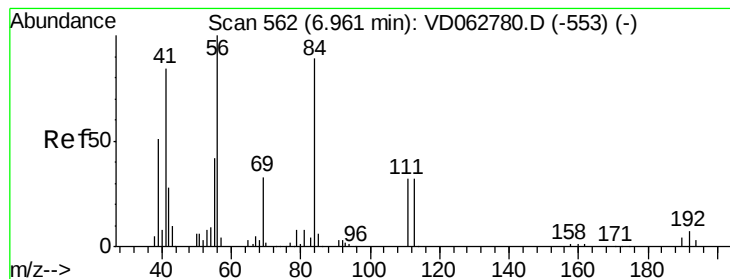
Tot Ion: 42 Resp: 93934
Ion Ratio Lower Upper
42 100
72 41.8 35.0 52.6
71 44.6 33.3 49.9



#30
Chloroform
Concen: 19.140 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion: 83 Resp: 358004
Ion Ratio Lower Upper
83 100
85 65.4 49.8 74.6





#31

Cyclohexane

Concen: 18.180 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

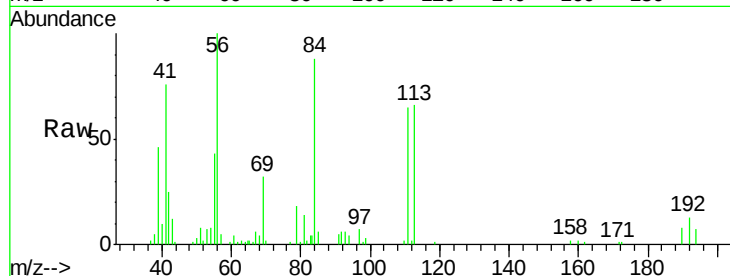
Tot Ion: 56 Resp: 183809

Ion Ratio Lower Upper

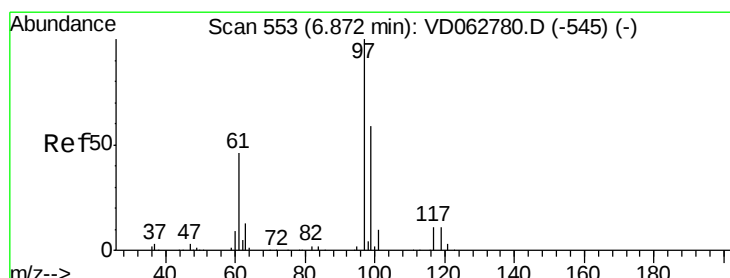
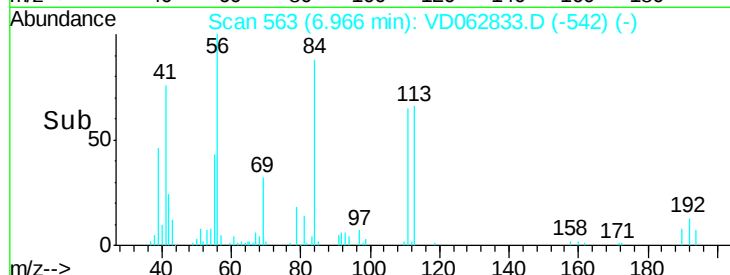
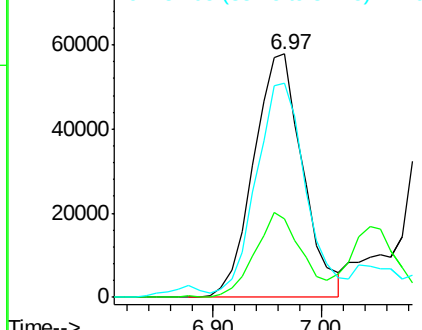
56 100

69 32.1 26.6 39.8

84 87.9 75.5 113.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 18.593 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

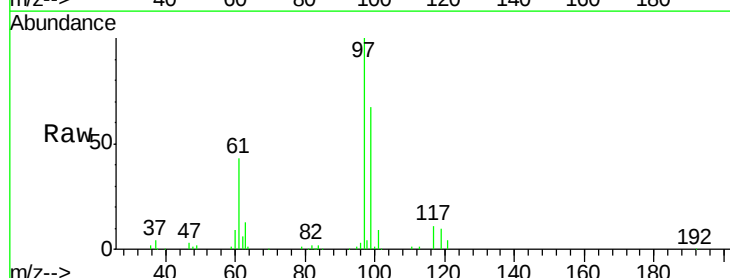
Tgt Ion: 97 Resp: 362231

Ion Ratio Lower Upper

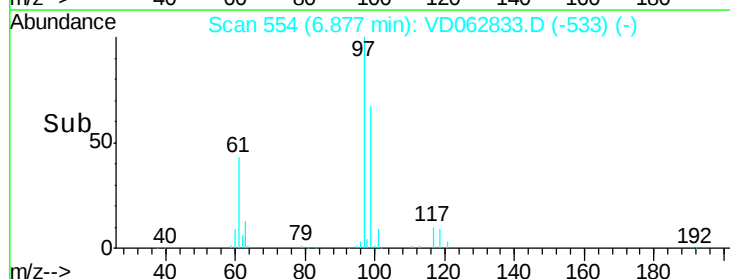
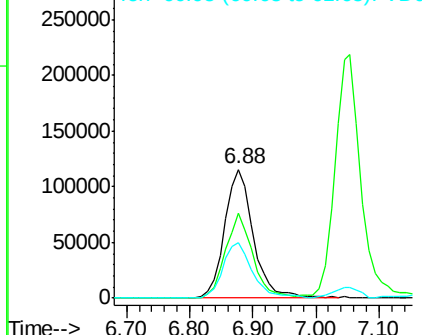
97 100

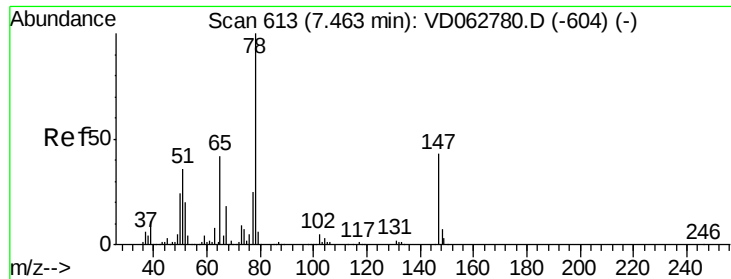
99 66.5 47.4 71.2

61 43.3 37.2 55.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 47.970 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

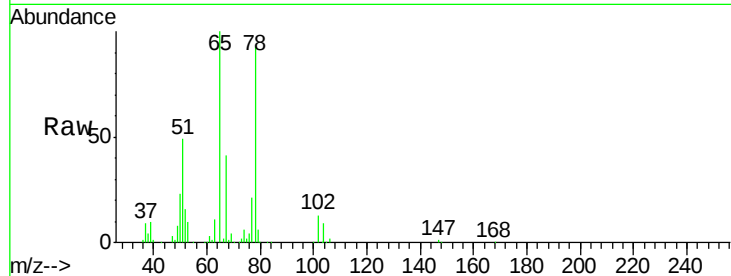
VD0624SBS01

Tot Ion: 65 Resp: 516478

Ion Ratio Lower Upper

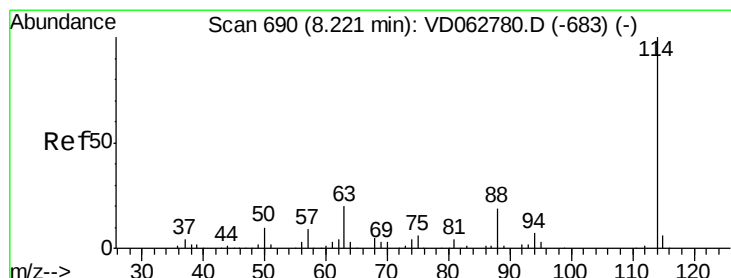
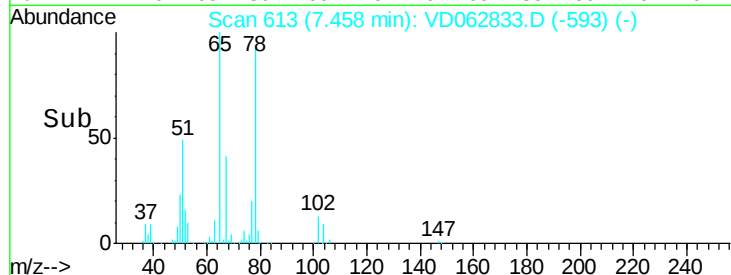
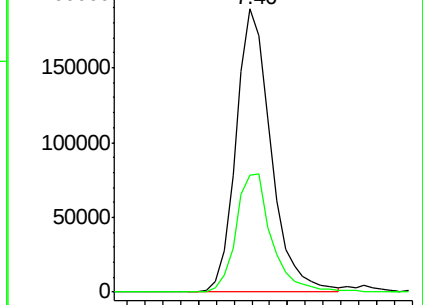
65 100

67 41.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

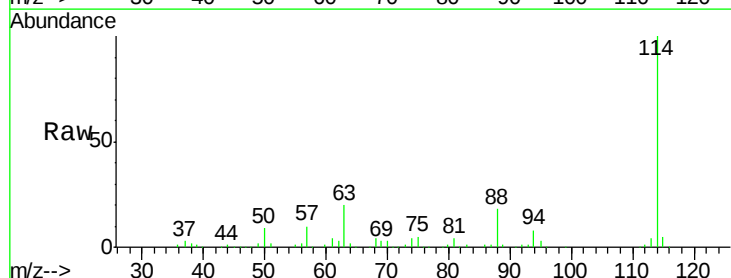
Tgt Ion: 114 Resp: 1289391

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

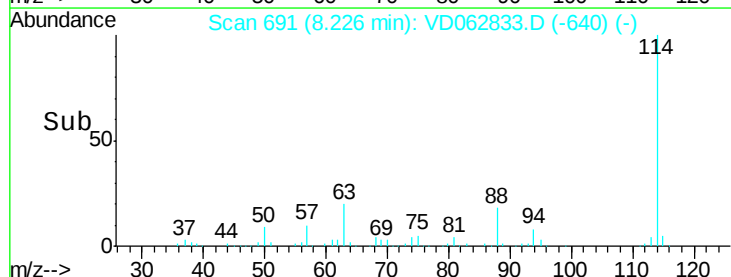
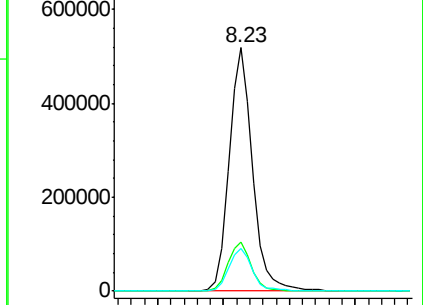
88 17.8 0.0 38.8

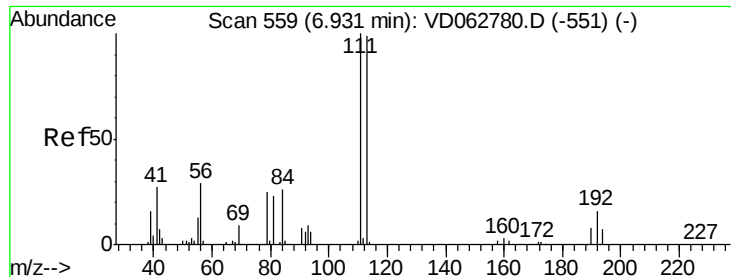


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

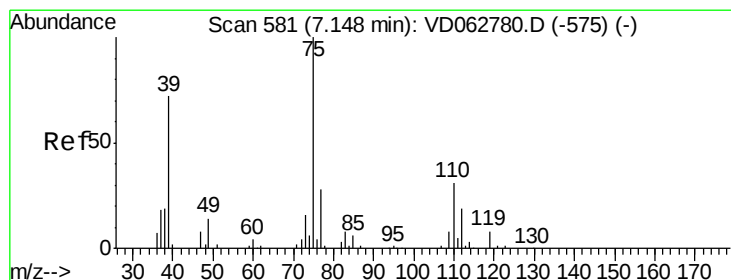
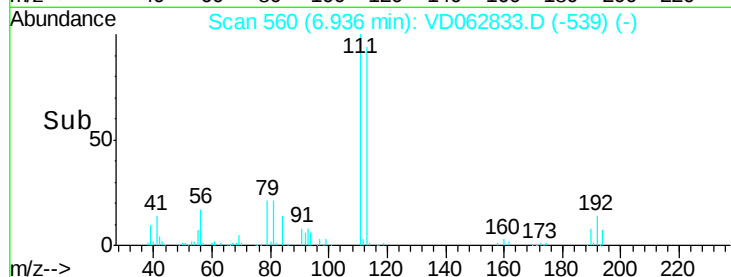
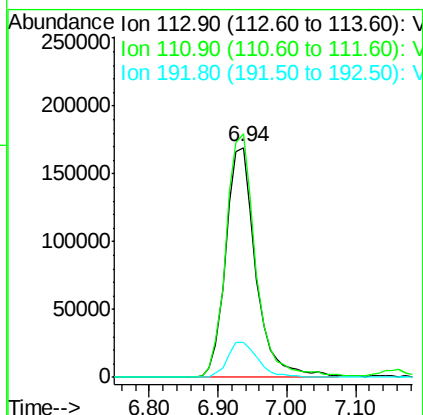
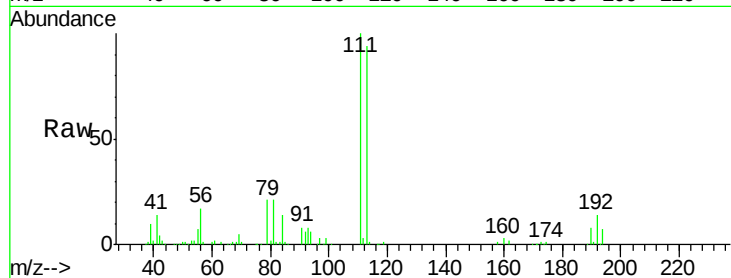




#35
 Dibromofluoromethane
 Concen: 47.171 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

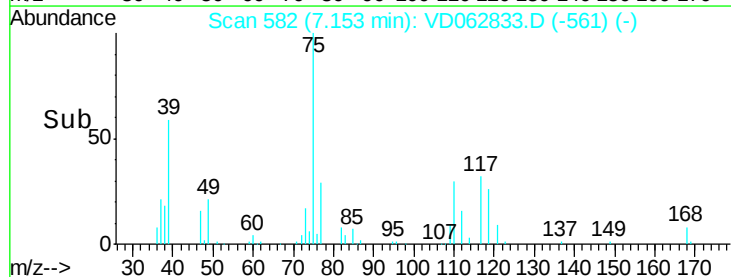
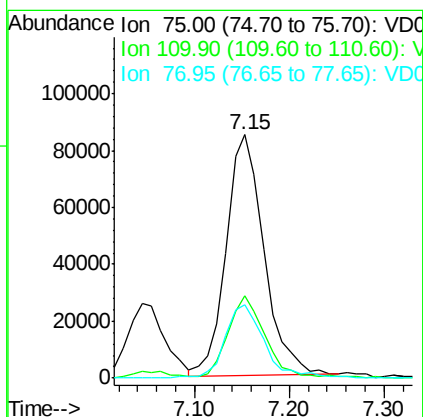
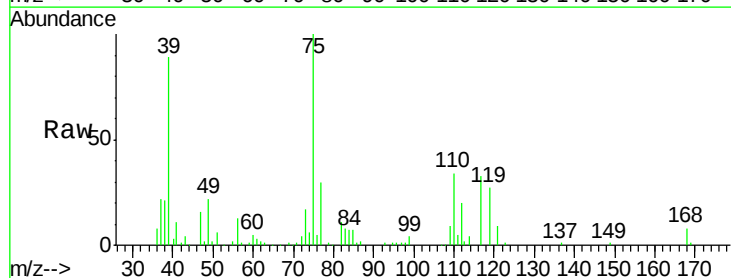
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

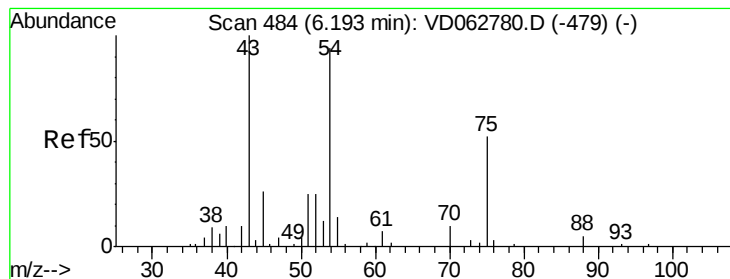
Tot Ion:113 Resp: 512849
 Ion Ratio Lower Upper
 113 100
 111 106.0 81.2 121.8
 192 15.1 12.9 19.3



#36
 1,1-Dichloropropene
 Concen: 19.240 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Tgt Ion: 75 Resp: 234839
 Ion Ratio Lower Upper
 75 100
 110 33.6 15.0 45.1
 77 30.3 22.2 33.2





#37

Ethyl Acetate

Concen: 18.811 ug/l

RT: 6.19 min Scan# 484

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleID :

VD0624SBS01

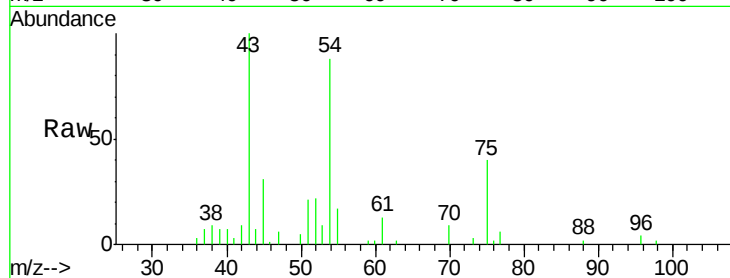
Tot Ion: 43 Resp: 99974

Ion Ratio Lower Upper

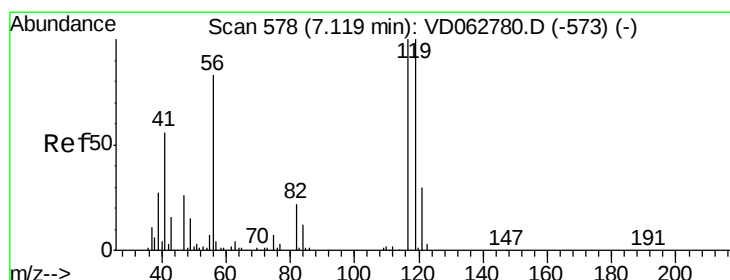
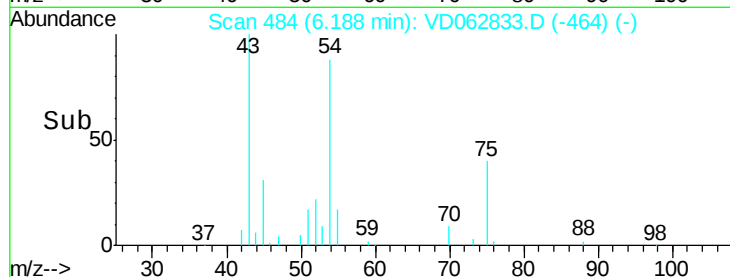
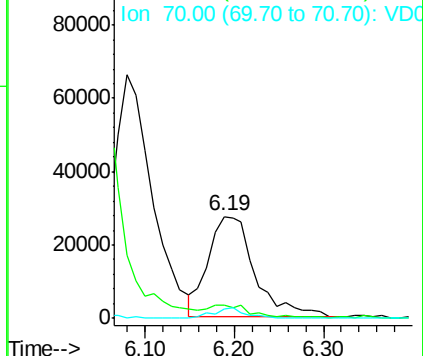
43 100

61 12.6 11.6 17.4

70 8.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.375 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

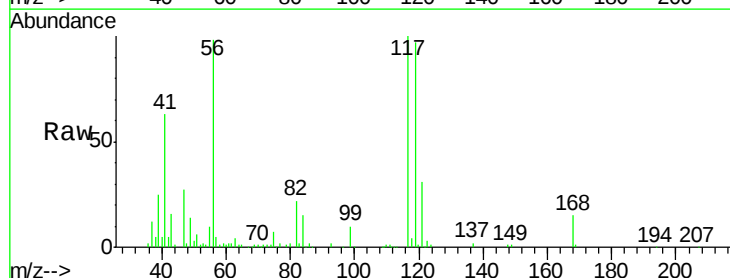
Tgt Ion: 117 Resp: 355673

Ion Ratio Lower Upper

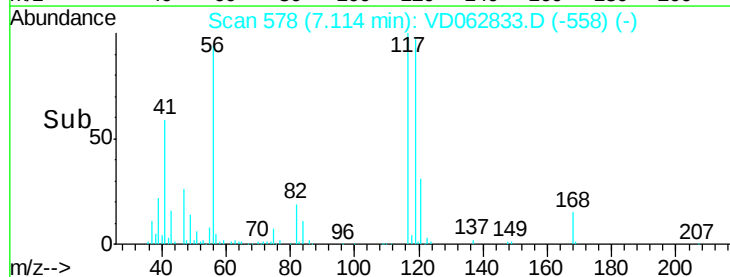
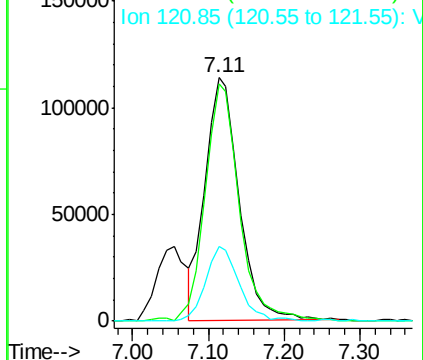
117 100

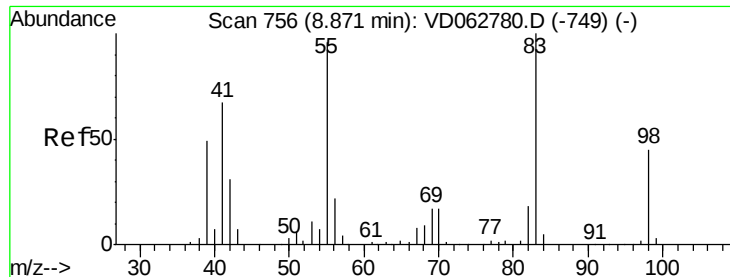
119 97.5 75.4 113.2

121 30.9 22.3 33.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

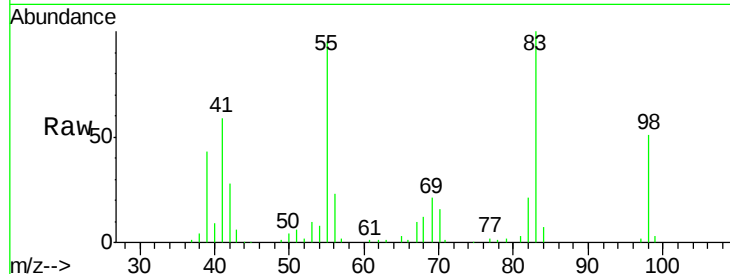




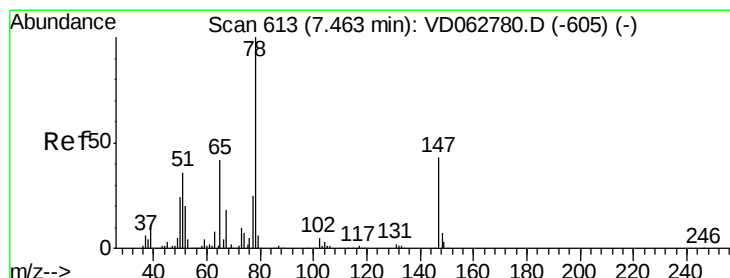
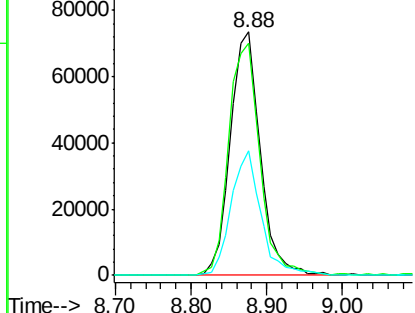
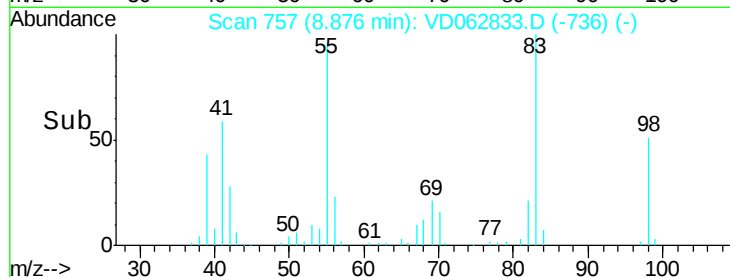
#39
Methvlcvclohexane
Concen: 18.610 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion: 83 Resp: 199948
Ion Ratio Lower Upper
83 100
55 95.2 76.6 115.0
98 51.1 35.7 53.5

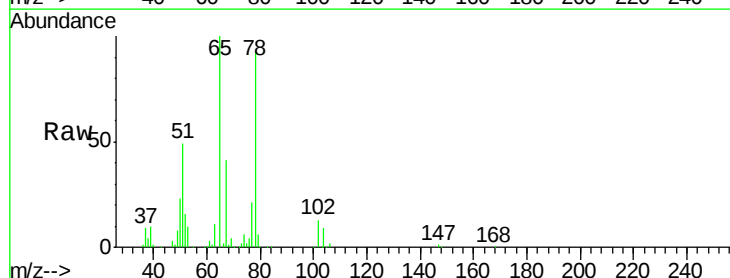


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

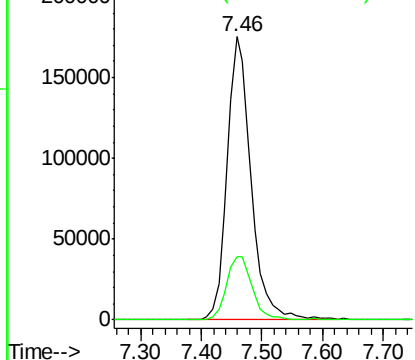
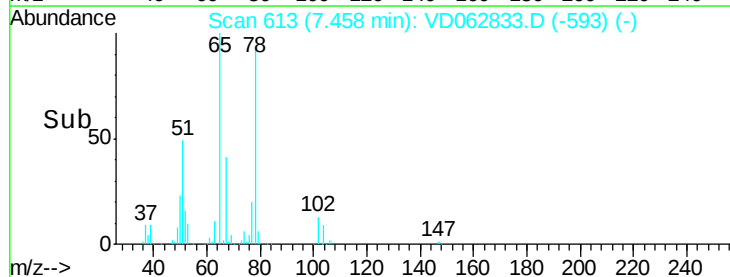


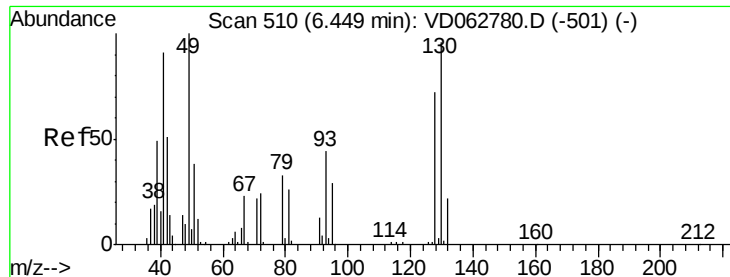
#40
Benzene
Concen: 19.559 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion: 78 Resp: 479211
Ion Ratio Lower Upper
78 100
77 22.2 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

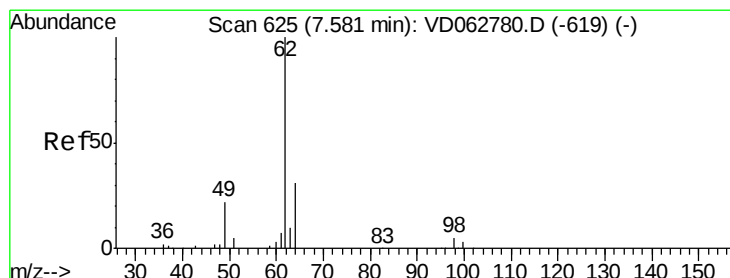
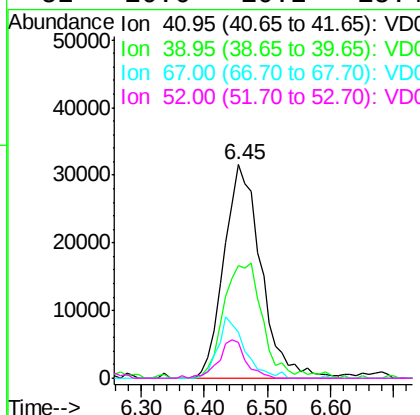
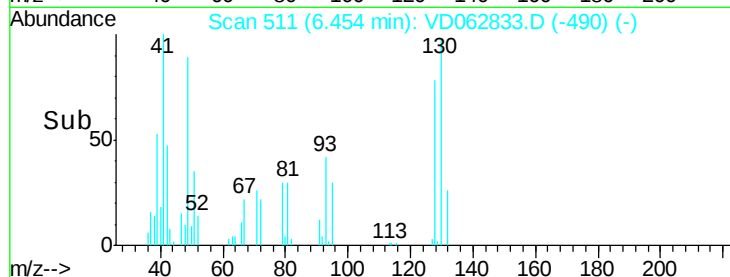
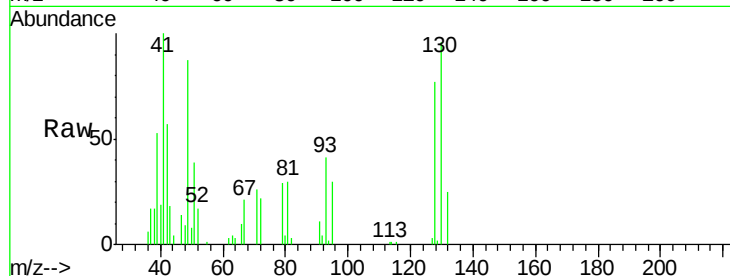




#41
Methacrylonitrile
Concen: 20.014 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

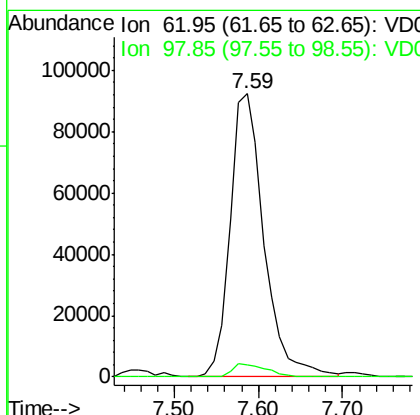
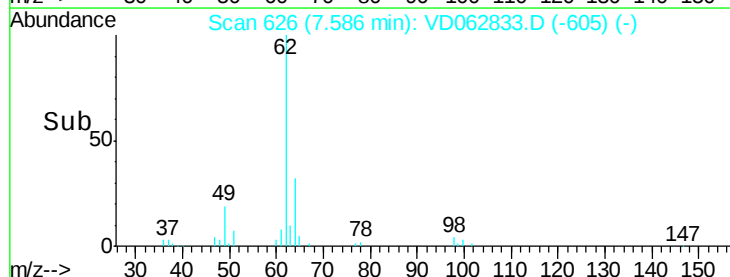
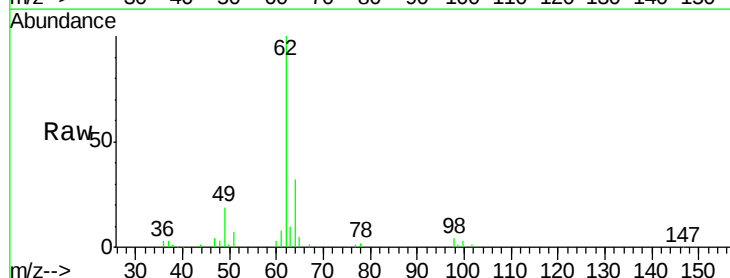
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

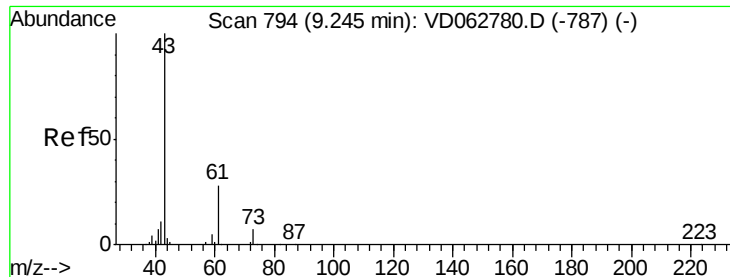
Tot Ion: 41 Resp: 128830
Ion Ratio Lower Upper
41 100
39 52.6 43.2 64.8
67 21.4 19.9 29.9
52 16.6 10.2 15.4#



#42
1,2-Dichloroethane
Concen: 19.299 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion: 62 Resp: 257942
Ion Ratio Lower Upper
62 100
98 4.3 0.0 10.0



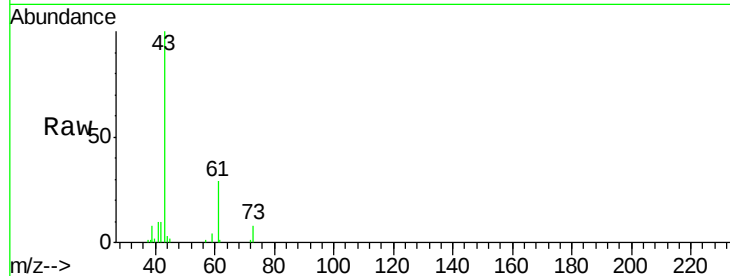


#43

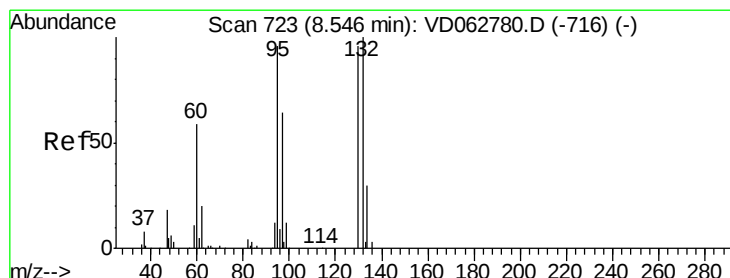
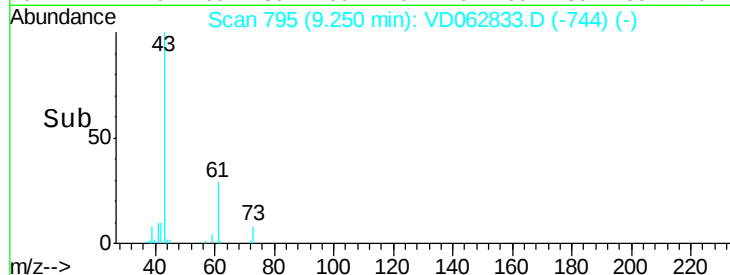
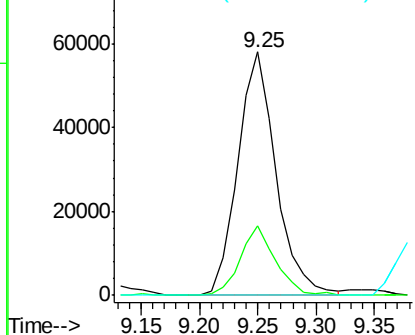
Isopropyl Acetate
 Concen: 20.557 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

Tot Ion: 43 Resp: 131547
 Ion Ratio Lower Upper
 43 100
 61 28.5 22.4 33.6
 87 0.0 0.3 0.5#



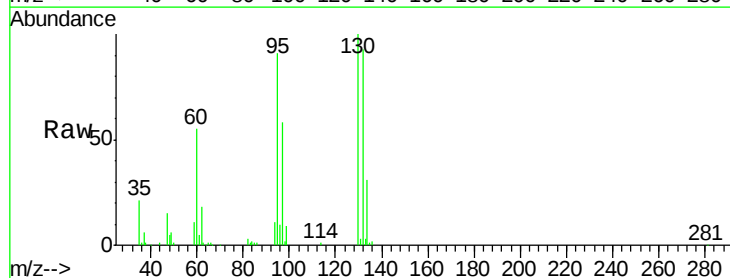
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



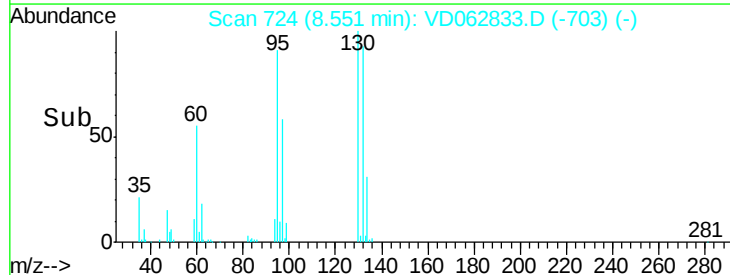
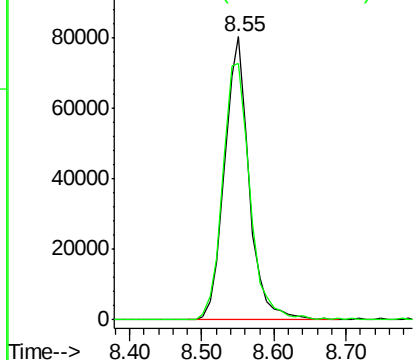
#44

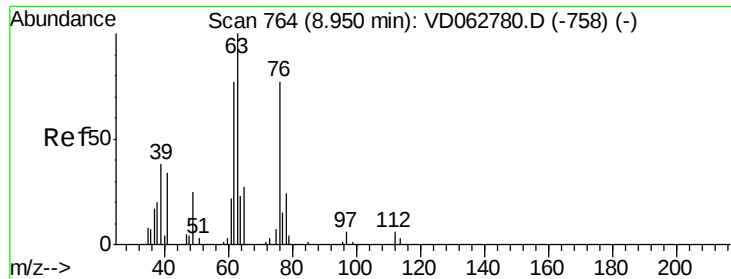
Trichloroethene
 Concen: 19.646 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Tgt Ion: 130 Resp: 188713
 Ion Ratio Lower Upper
 130 100
 95 90.6 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.859 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

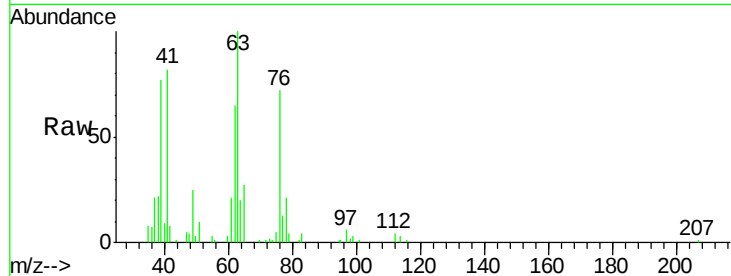
VD0624SBS01

Tot Ion: 63 Resp: 114897

Ion Ratio Lower Upper

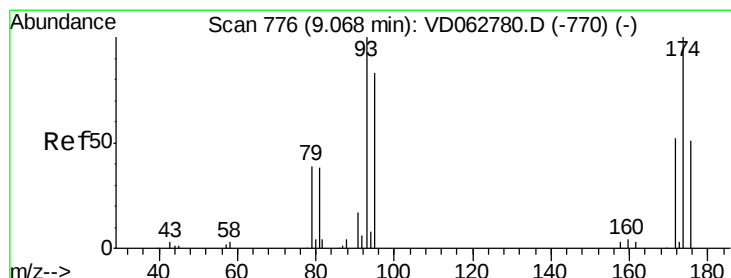
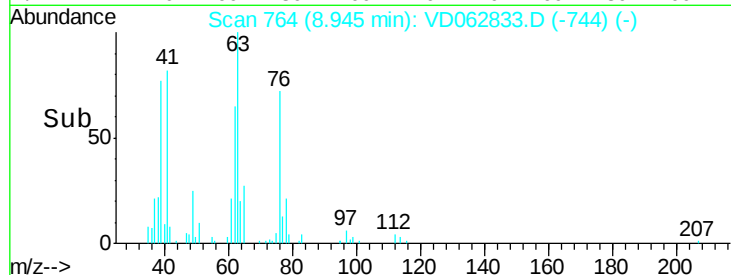
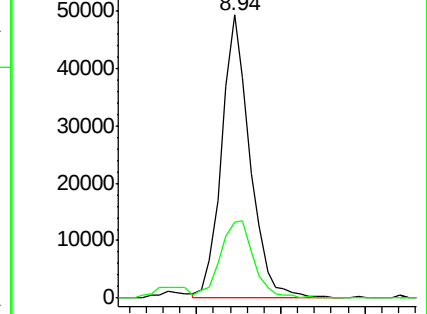
63 100

65 26.9 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.392 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

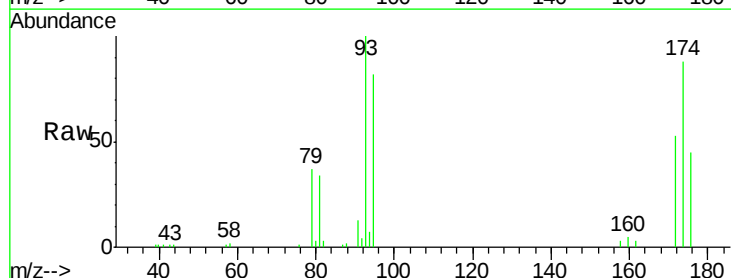
Tgt Ion: 93 Resp: 106719

Ion Ratio Lower Upper

93 100

95 82.0 66.6 100.0

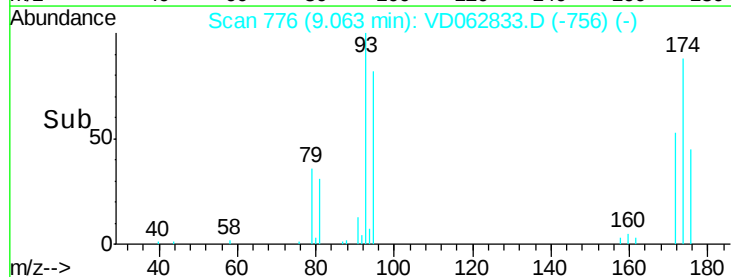
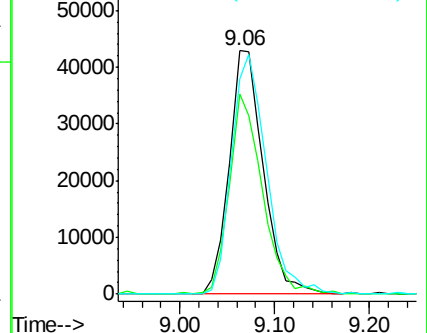
174 88.3 79.7 119.5

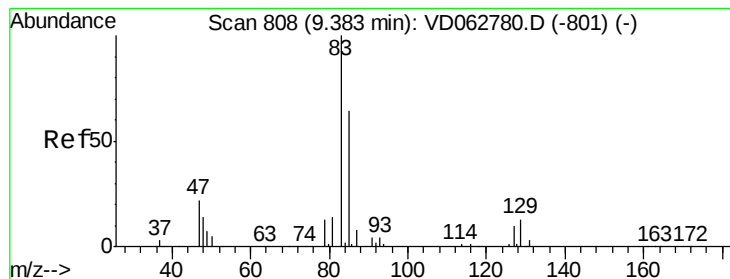


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 18.833 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

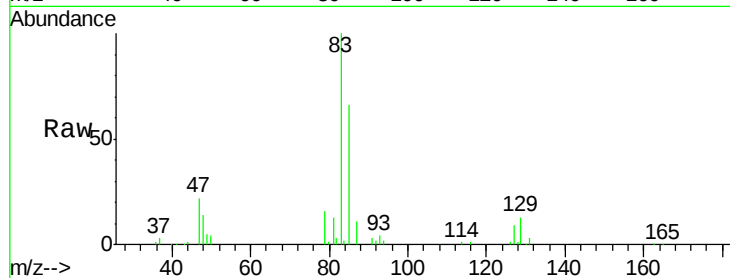
Tot Ion: 83 Resp: 255975

Ion Ratio Lower Upper

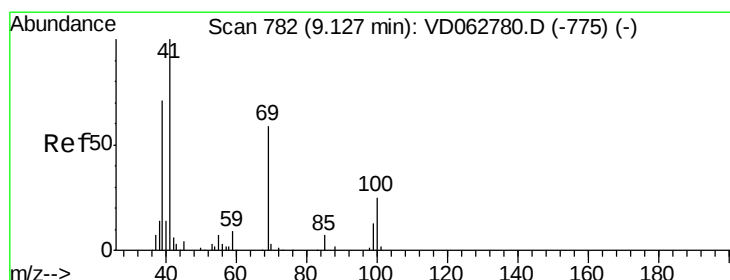
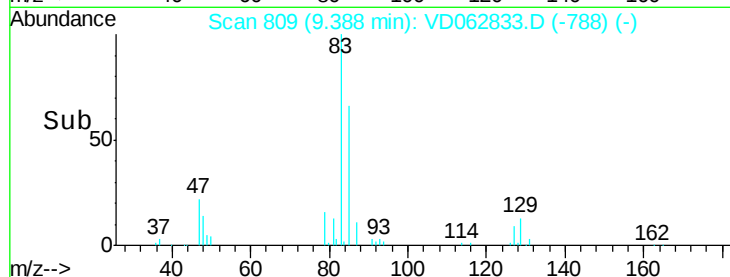
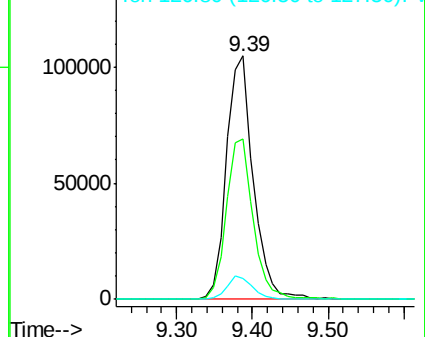
83 100

85 66.1 51.6 77.4

127 8.6 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.708 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

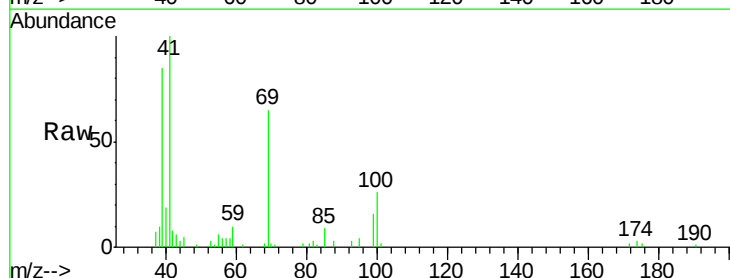
Tgt Ion: 41 Resp: 89622

Ion Ratio Lower Upper

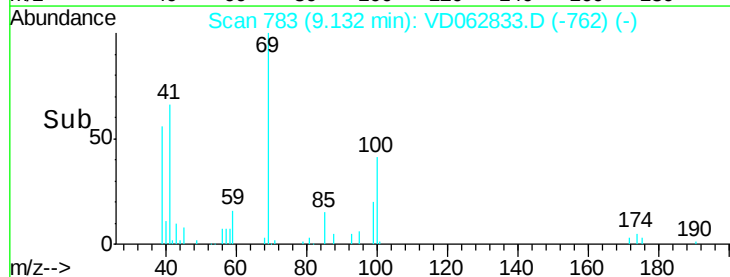
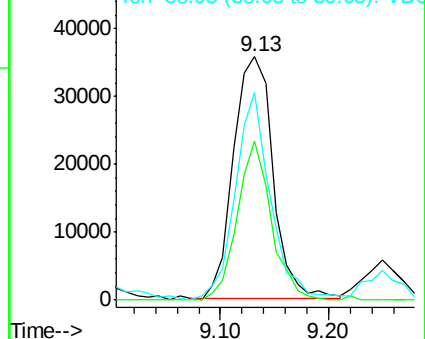
41 100

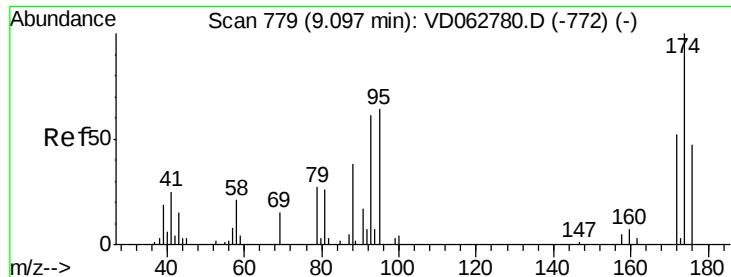
69 67.5 47.2 70.8

39 85.4 57.4 86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

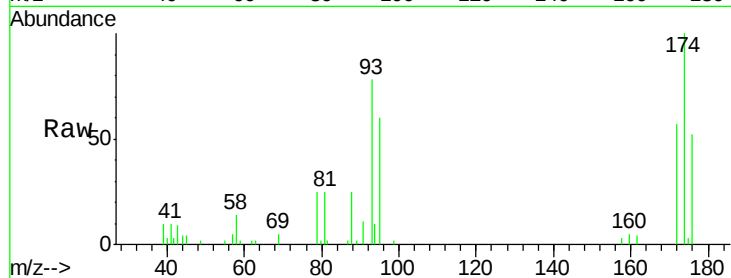




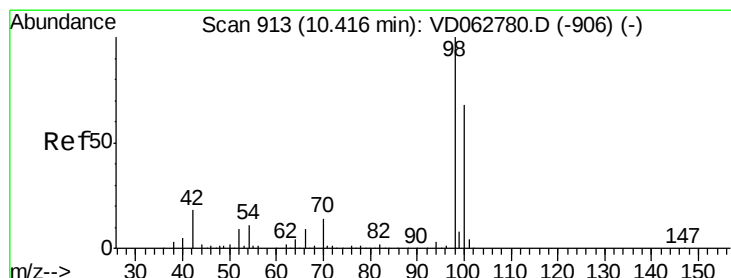
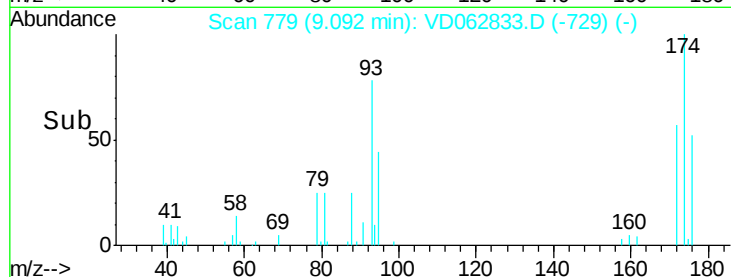
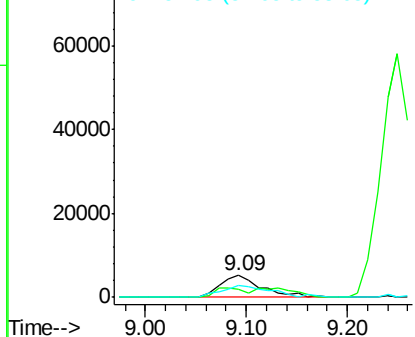
#49
1,4-Dioxane
Concen: 391.642 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion: 88 Resp: 14817
Ion Ratio Lower Upper
88 100
43 37.9 32.1 48.1
58 56.8 44.1 66.1

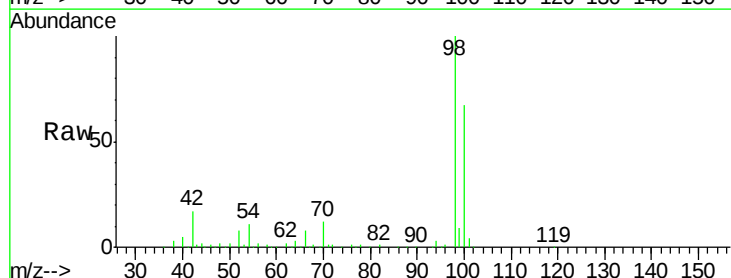


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

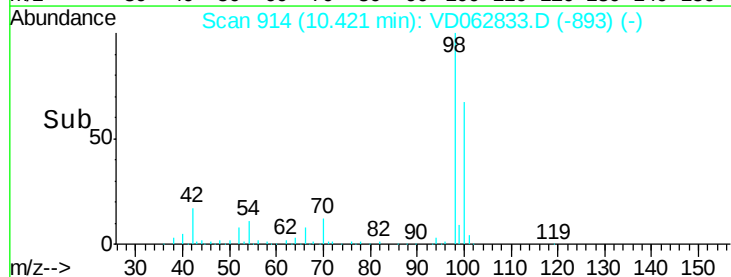
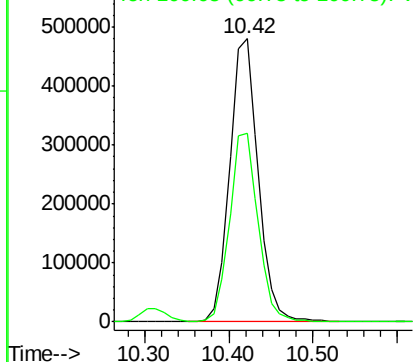


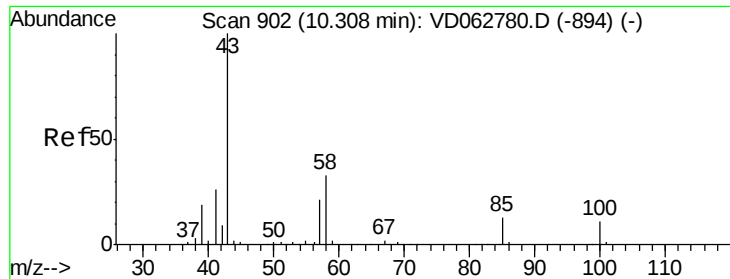
#50
Toluene-d8
Concen: 47.634 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion: 98 Resp: 1127157
Ion Ratio Lower Upper
98 100
100 66.6 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 100.369 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

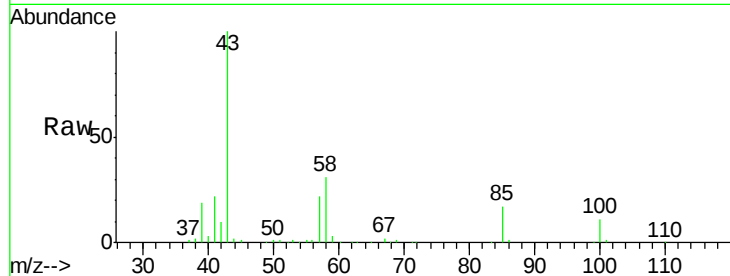
VD0624SBS01

Tot Ion: 43 Resp: 455370

Ion Ratio Lower Upper

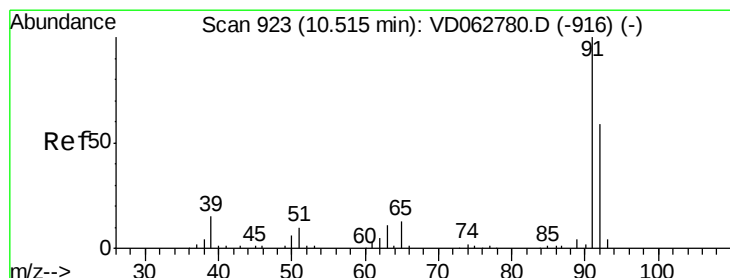
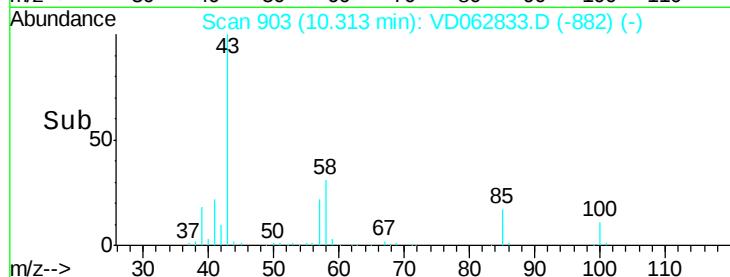
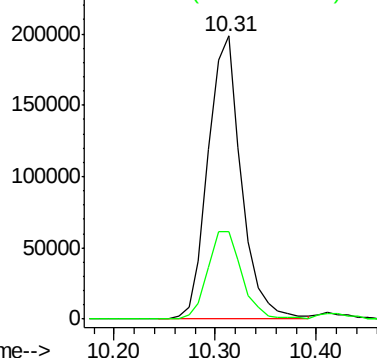
43 100

58 30.7 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.148 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD062833.D

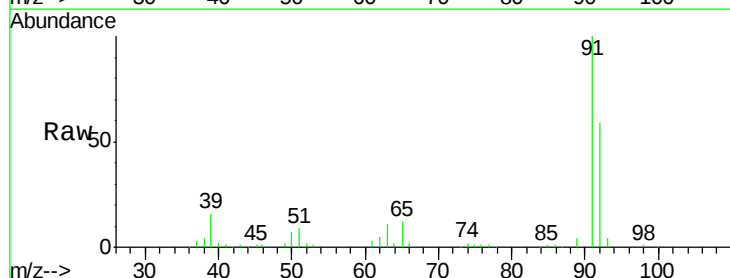
Acq: 24 Jun 2019 11:59

Tgt Ion: 92 Resp: 315368

Ion Ratio Lower Upper

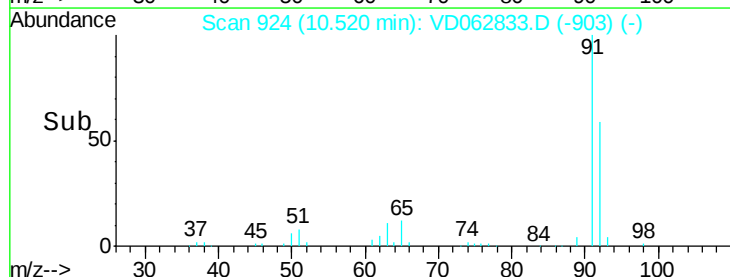
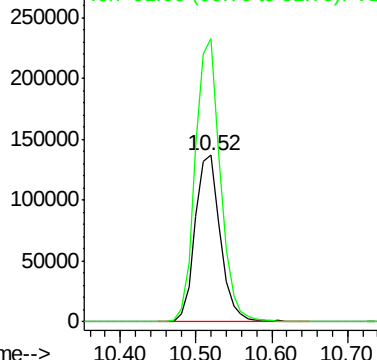
92 100

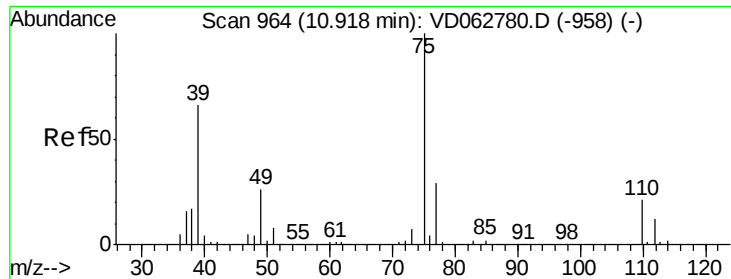
91 169.7 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

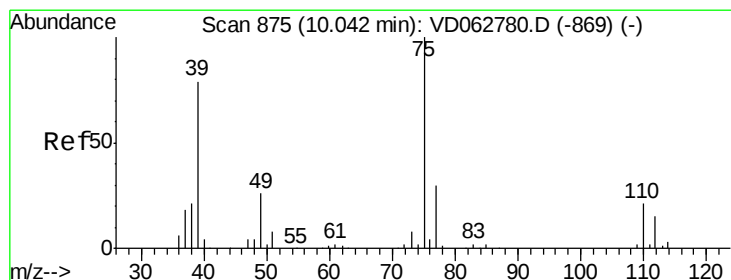
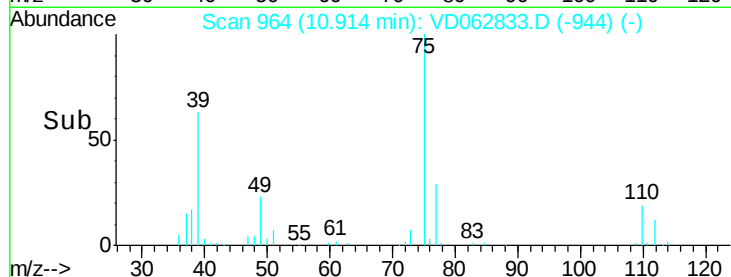
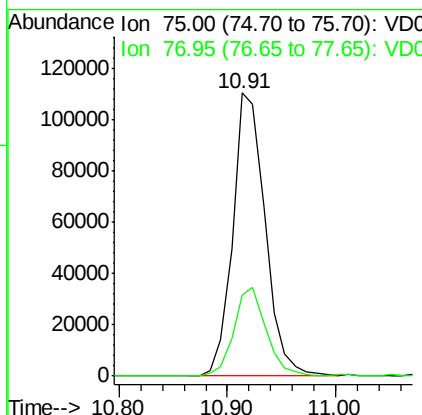
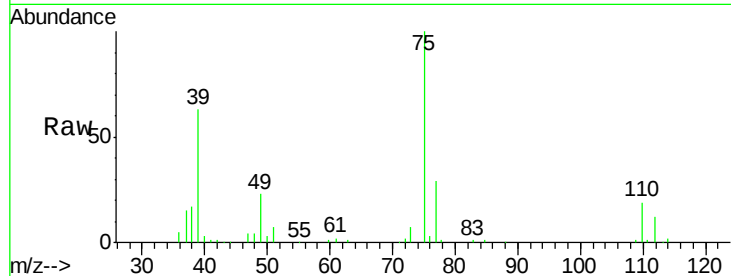




#53
 t-1,3-Dichloropropene
 Concen: 20.740 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

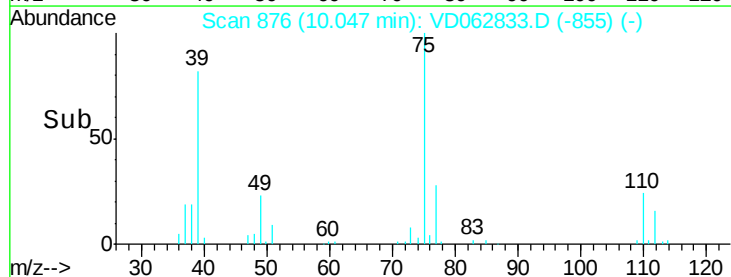
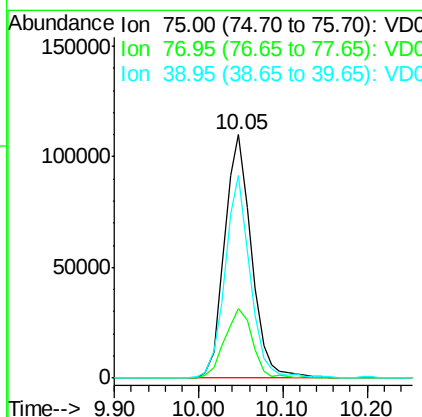
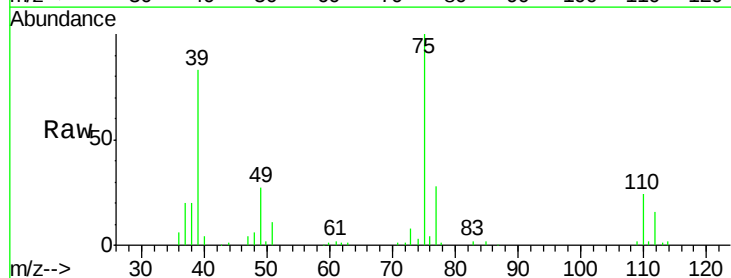
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

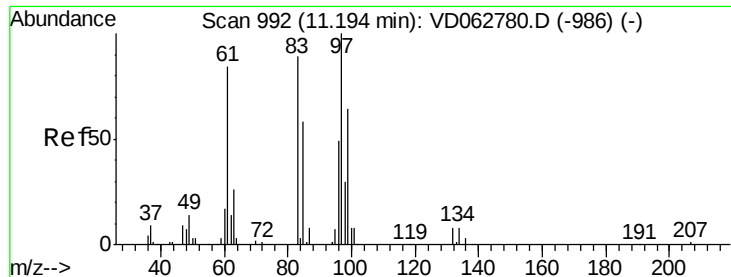
Tot Ion: 75 Resp: 230729
 Ion Ratio Lower Upper
 75 100
 77 28.7 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.183 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Tgt Ion: 75 Resp: 244045
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.2 36.2
 39 83.3 63.5 95.3

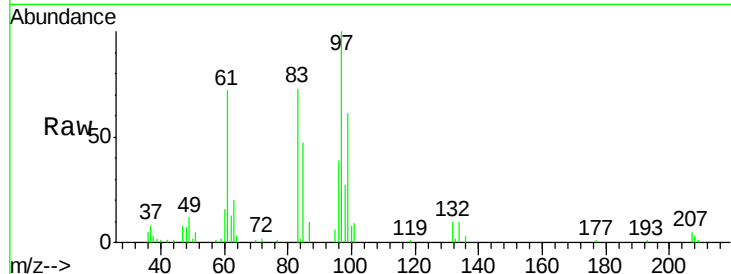




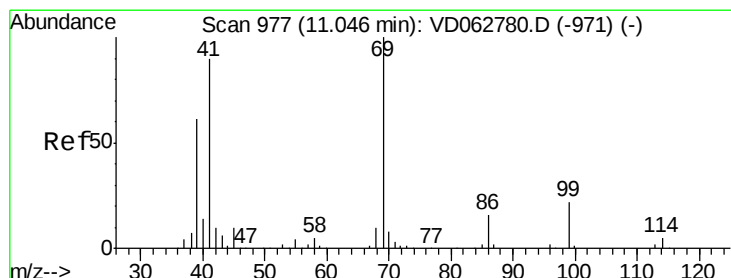
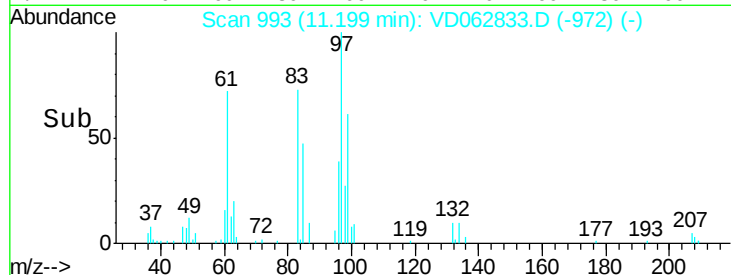
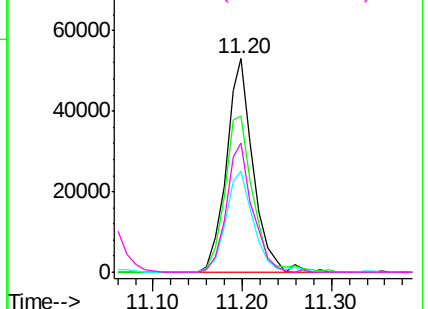
#55
 1,1,2-Trichloroethane
 Concen: 19.731 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

Tot Ion: 97 Resp: 111646
 Ion Ratio Lower Upper
 97 100
 83 73.2 71.0 106.4
 85 47.2 46.6 69.8
 99 60.8 51.4 77.0

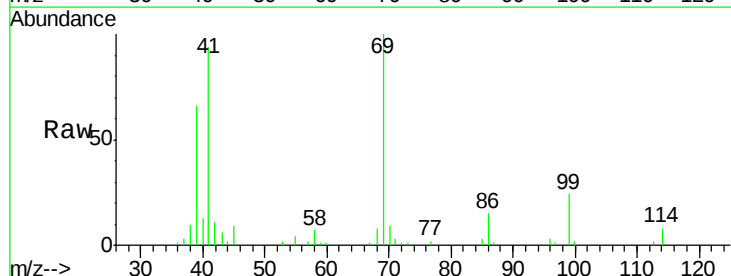


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

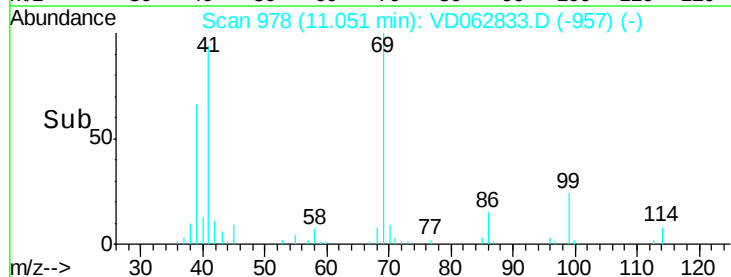
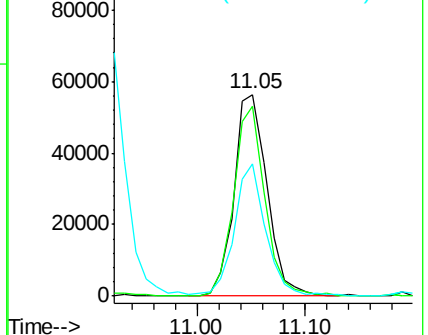


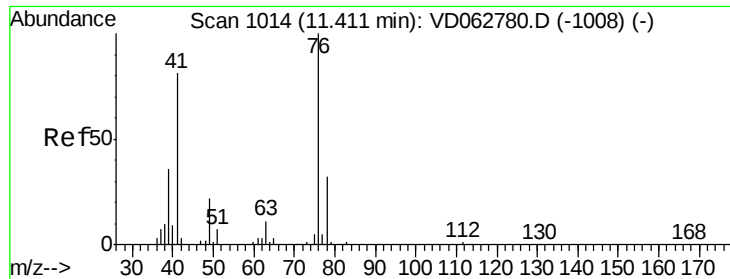
#56
 Ethyl methacrylate
 Concen: 19.733 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Tgt Ion: 69 Resp: 119325
 Ion Ratio Lower Upper
 69 100
 41 93.9 72.0 108.0
 39 65.6 49.5 74.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.709 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

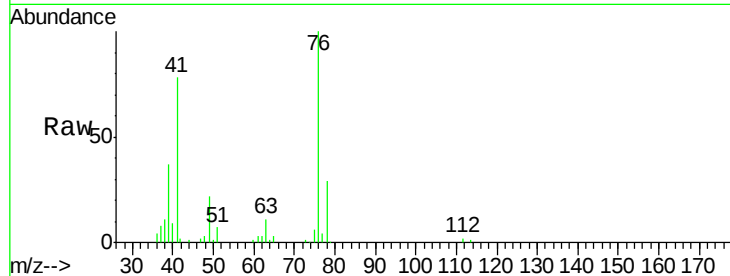
VD0624SBS01

Tot Ion: 76 Resp: 162093

Ion Ratio Lower Upper

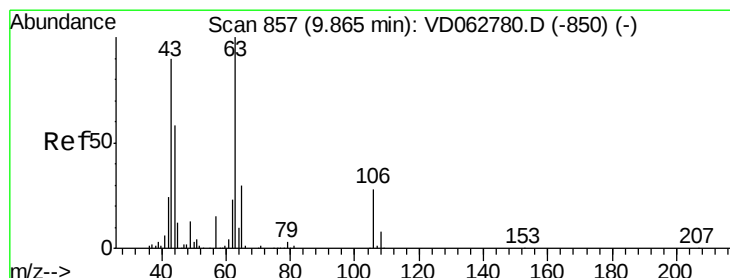
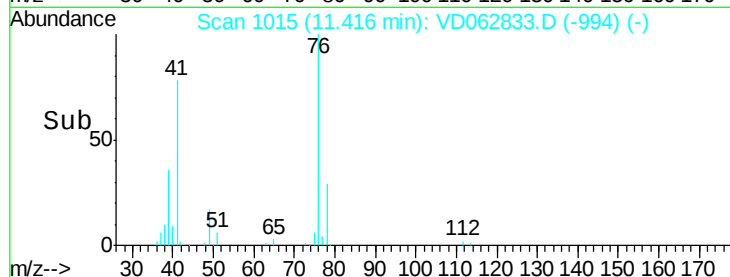
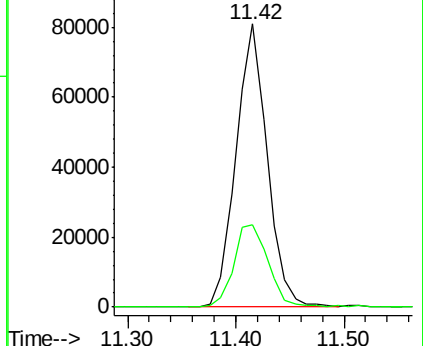
76 100

78 29.0 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 105.185 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062833.D

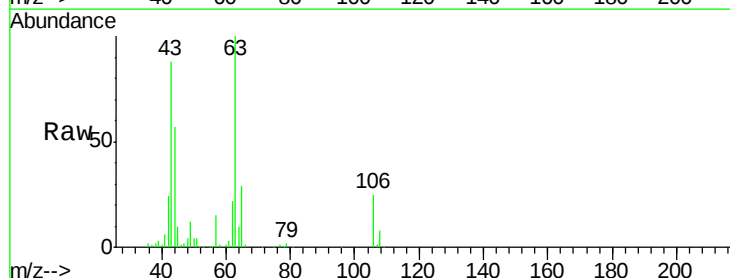
Acq: 24 Jun 2019 11:59

Tgt Ion: 63 Resp: 326541

Ion Ratio Lower Upper

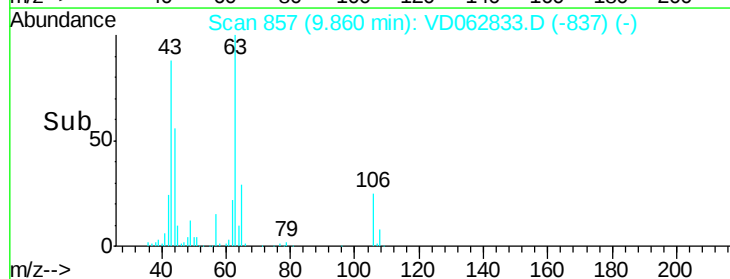
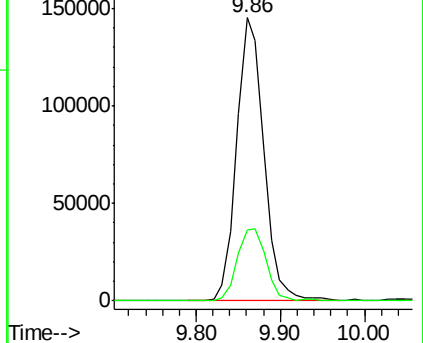
63 100

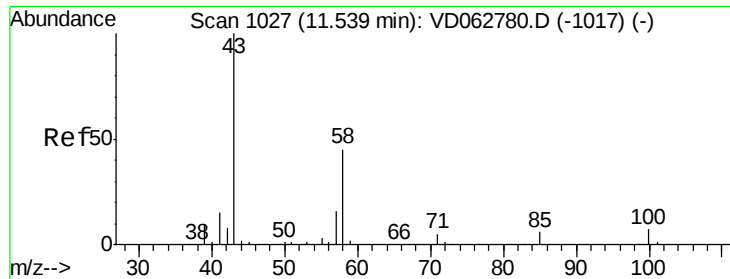
106 25.0 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

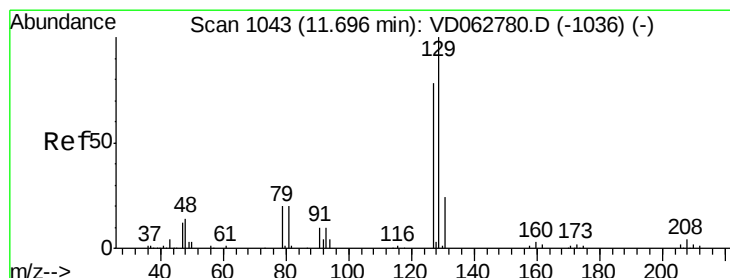
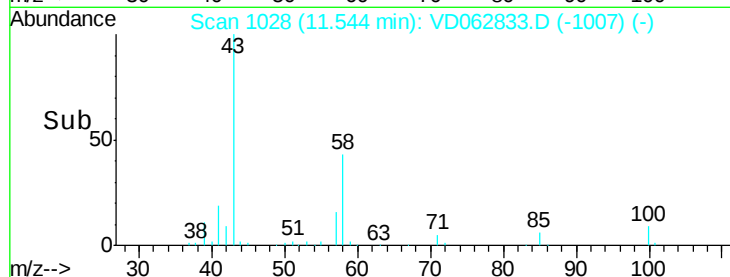
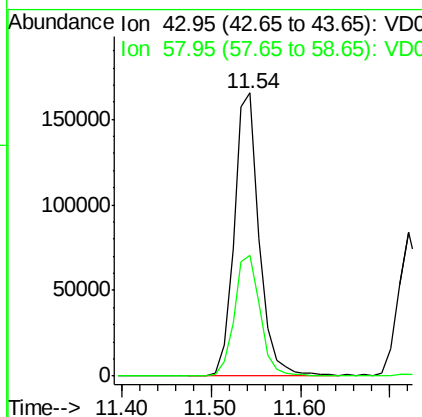
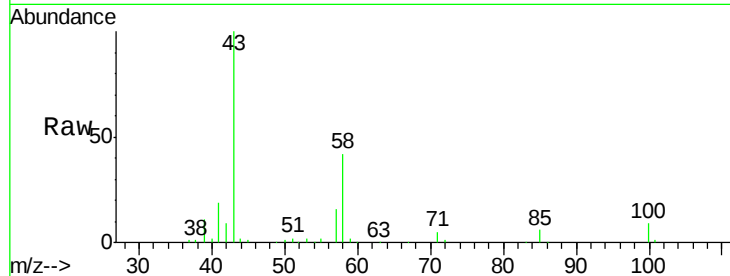




#59
2-Hexanone
Concen: 100.325 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

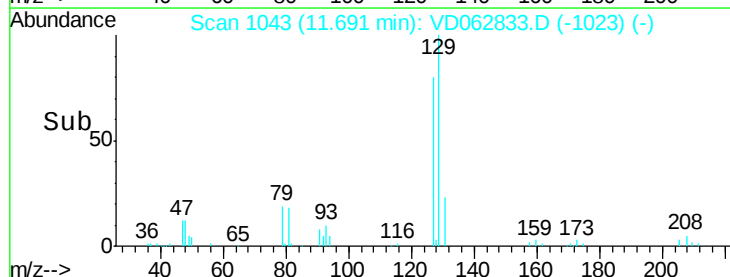
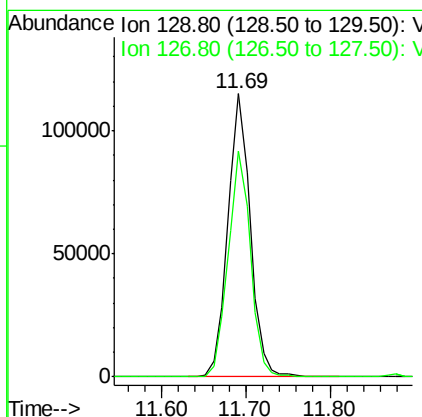
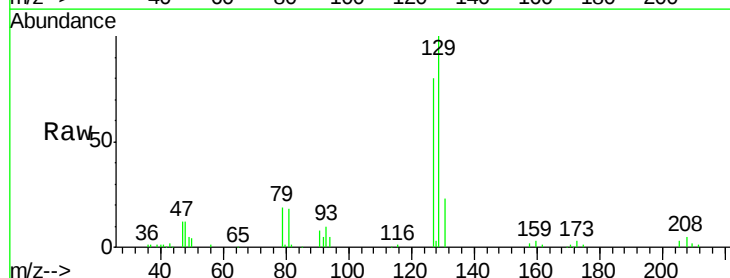
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

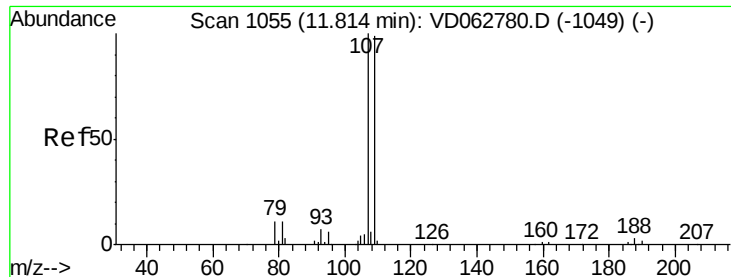
Tot Ion: 43 Resp: 324167
Ion Ratio Lower Upper
43 100
58 42.5 22.4 67.2



#60
Dibromochloromethane
Concen: 20.245 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion:129 Resp: 213376
Ion Ratio Lower Upper
129 100
127 79.5 38.9 116.6

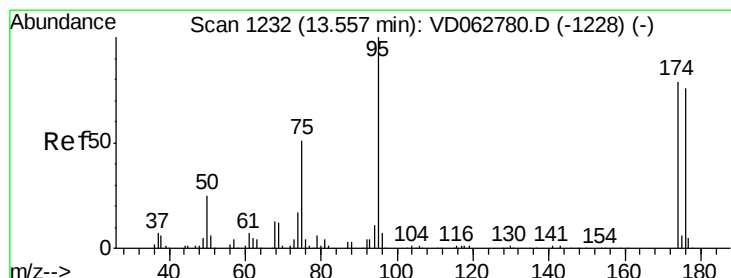
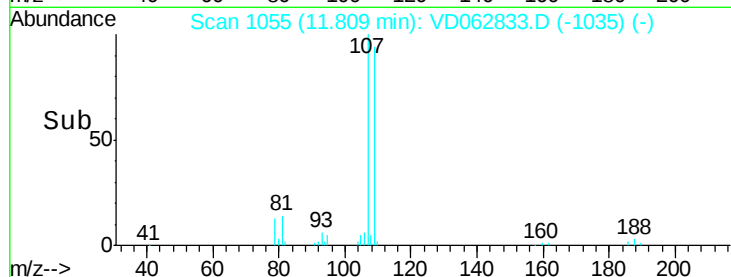
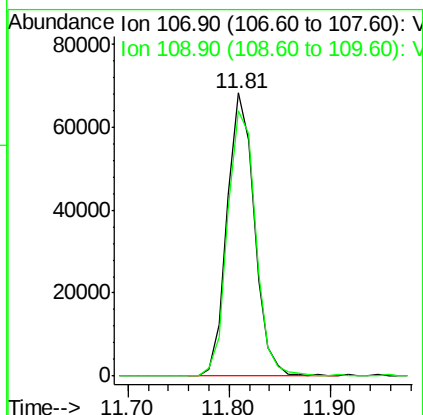
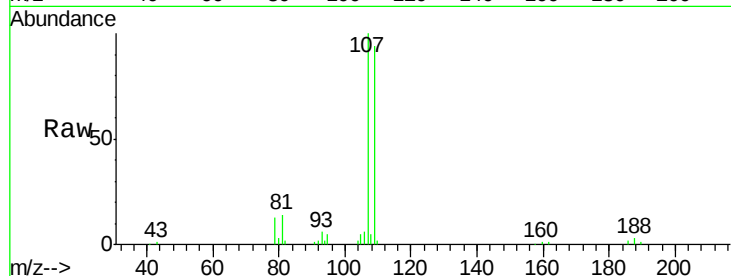




#61
 1,2-Dibromoethane
 Concen: 19.162 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

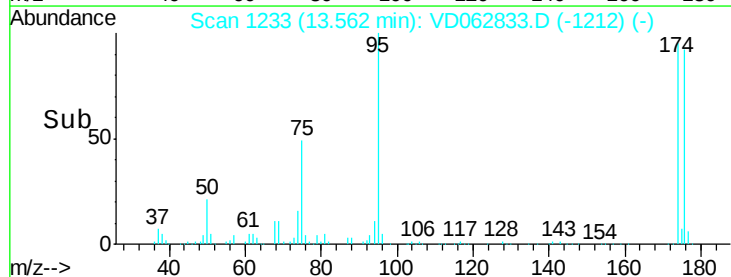
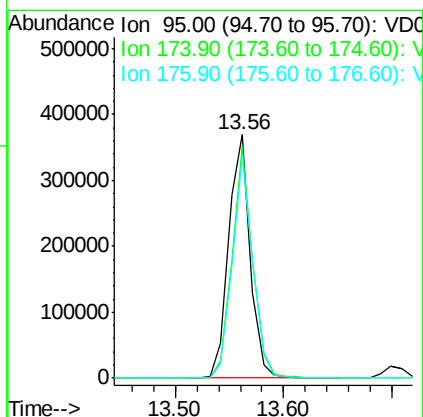
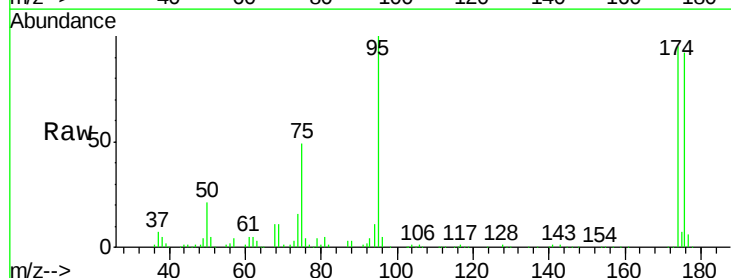
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

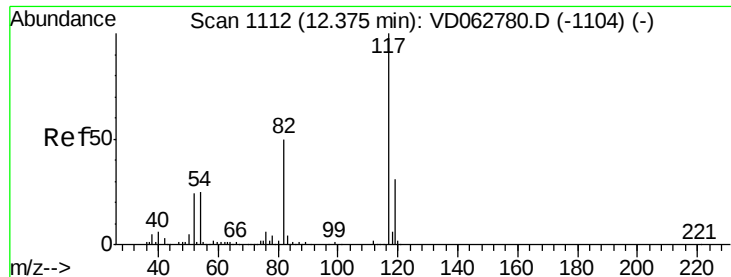
Tot Ion:107 Resp: 128054
 Ion Ratio Lower Upper
 107 100
 109 93.7 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 47.233 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Tgt Ion: 95 Resp: 508210
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 158.0
 176 91.8 0.0 151.6

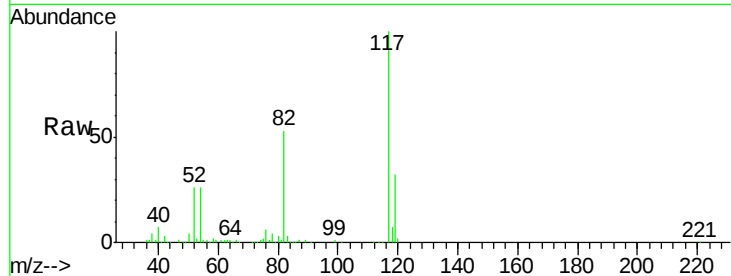




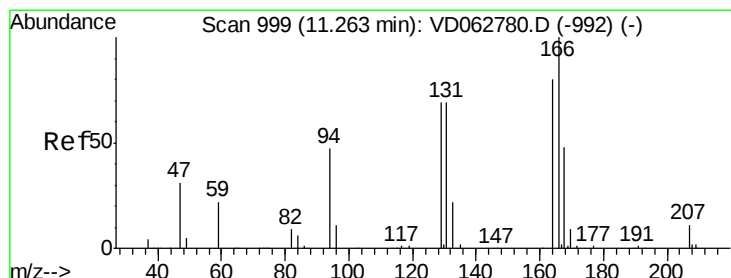
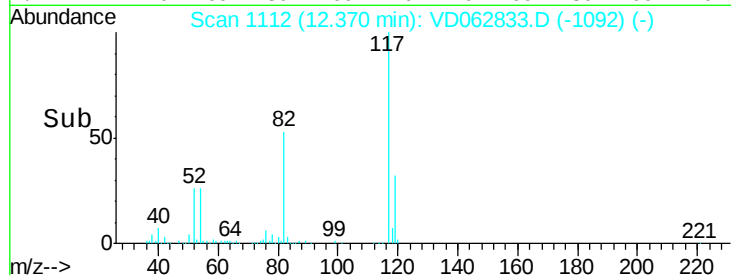
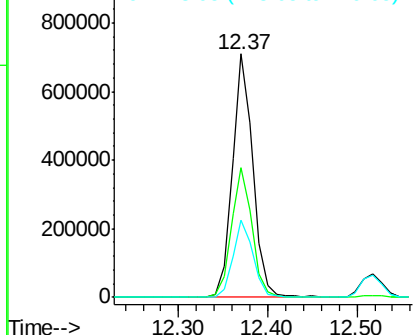
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion:117 Resp: 1146032
Ion Ratio Lower Upper
117 100
82 53.1 40.4 60.6
119 31.8 25.2 37.8

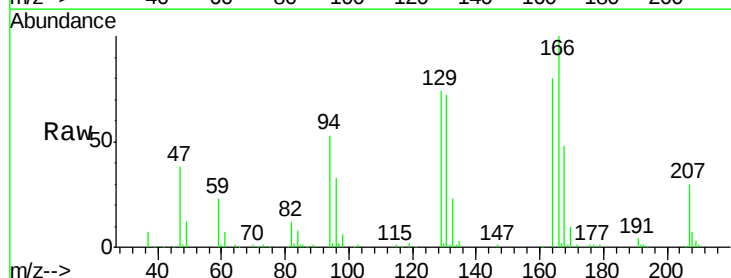


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

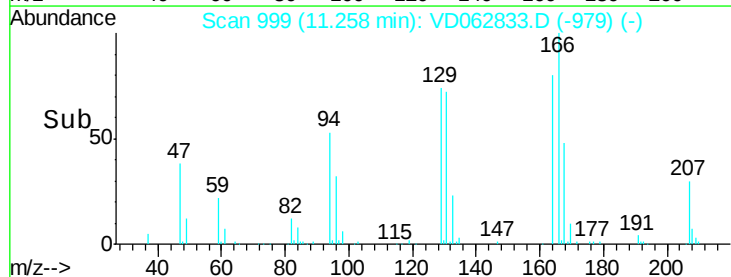
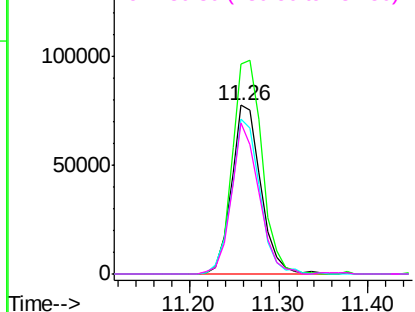


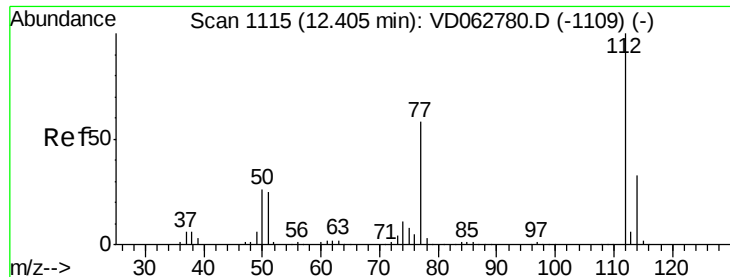
#64
Tetrachloroethene
Concen: 18.752 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion:164 Resp: 176870
Ion Ratio Lower Upper
164 100
166 124.7 100.6 150.8
129 92.1 69.4 104.0
131 89.7 69.3 103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

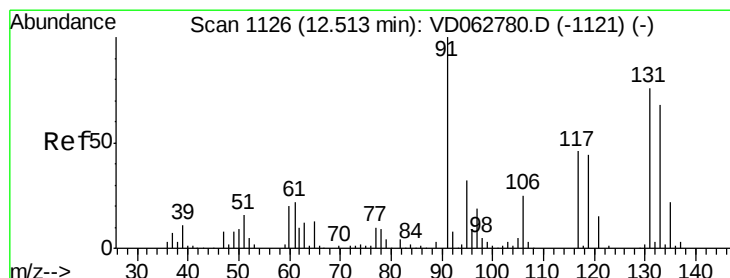
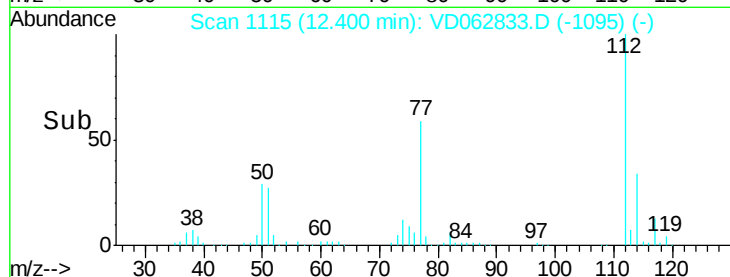
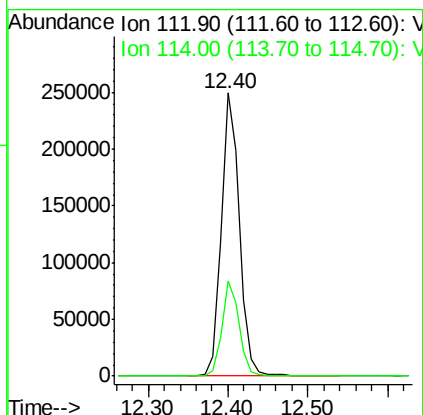
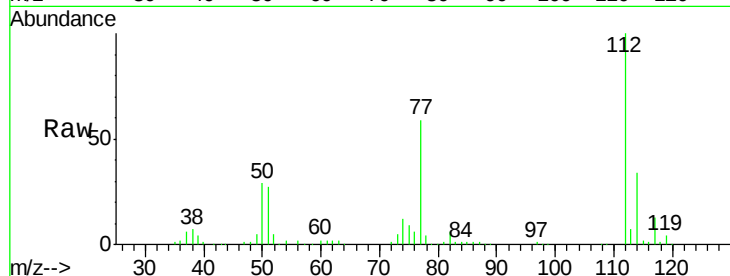




#65
Chlorobenzene
Concen: 18.768 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

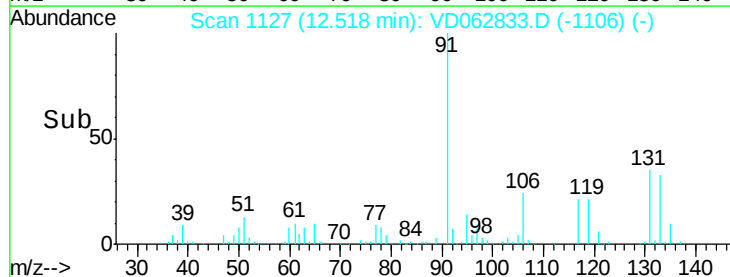
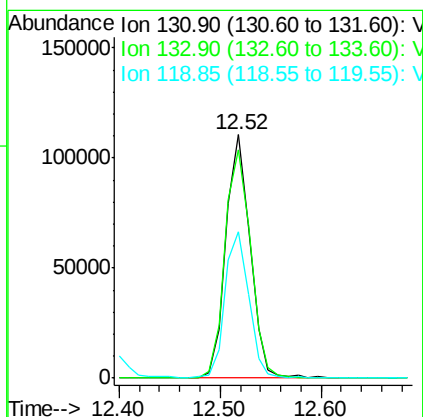
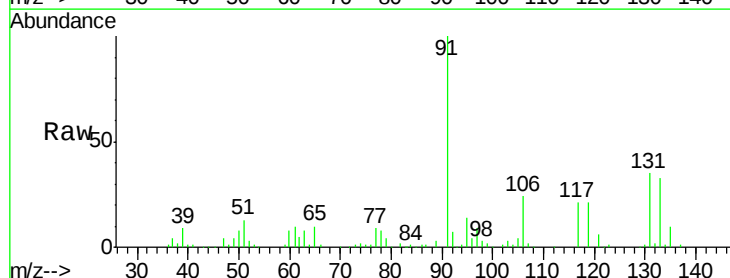
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

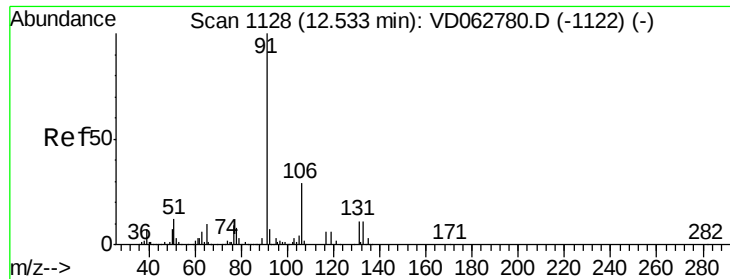
Tot Ion:112 Resp: 399174
Ion Ratio Lower Upper
112 100
114 33.7 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.545 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion:131 Resp: 184460
Ion Ratio Lower Upper
131 100
133 93.9 44.5 133.3
119 60.1 28.6 85.9

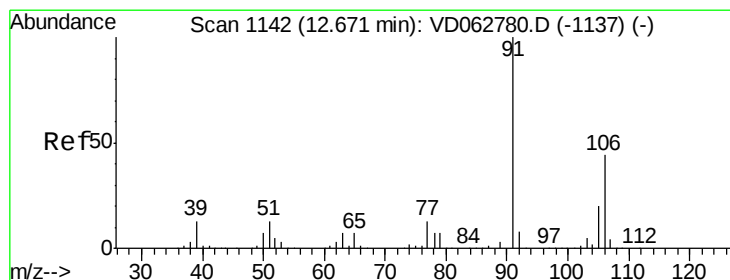
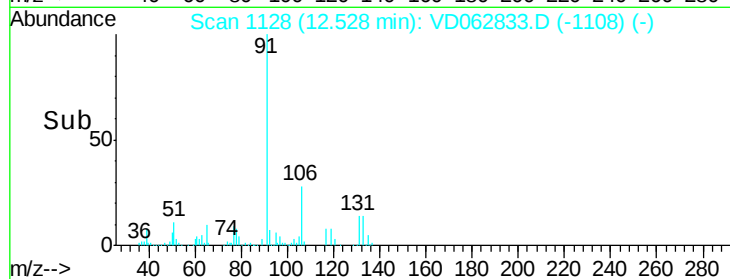
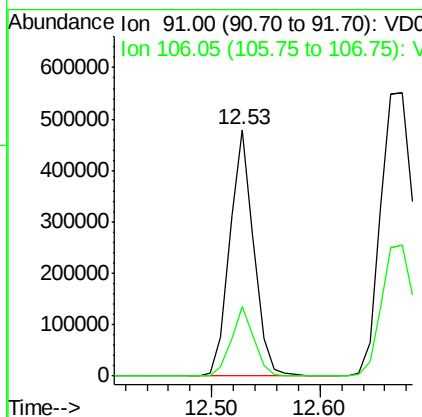
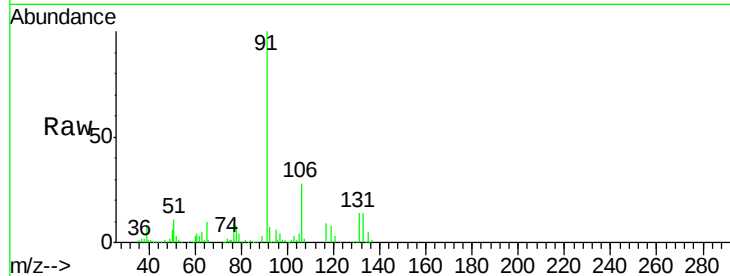




#67
Ethyl Benzene
Concen: 19.358 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

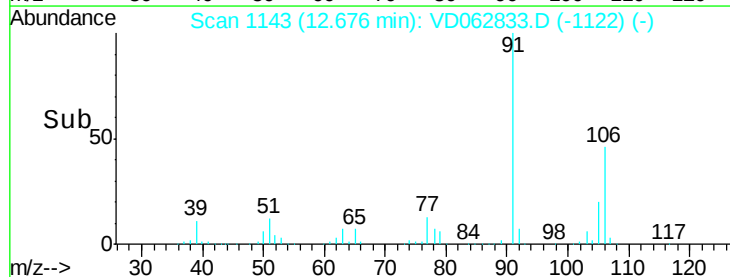
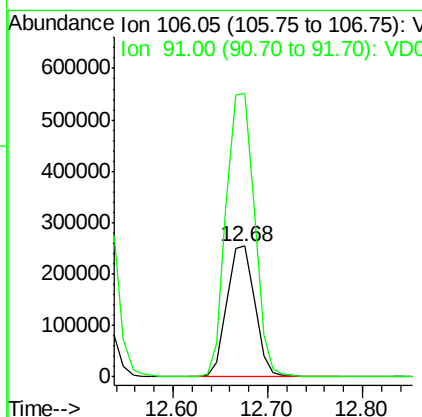
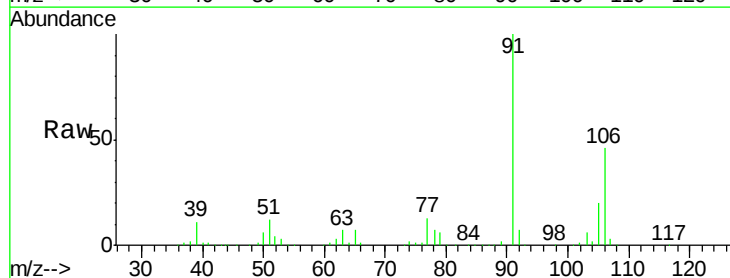
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

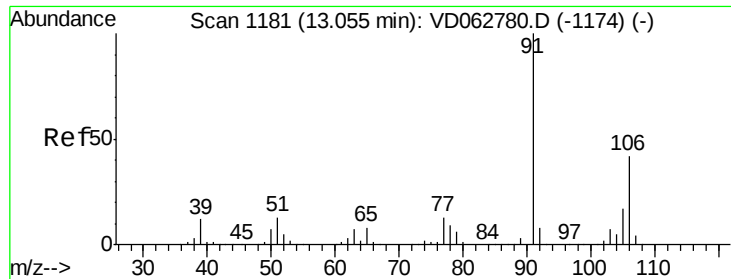
Tot Ion: 91 Resp: 739222
Ion Ratio Lower Upper
91 100
106 28.2 23.1 34.7



#68
m/p-Xylenes
Concen: 39.221 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion: 106 Resp: 521638
Ion Ratio Lower Upper
106 100
91 216.7 183.0 274.6

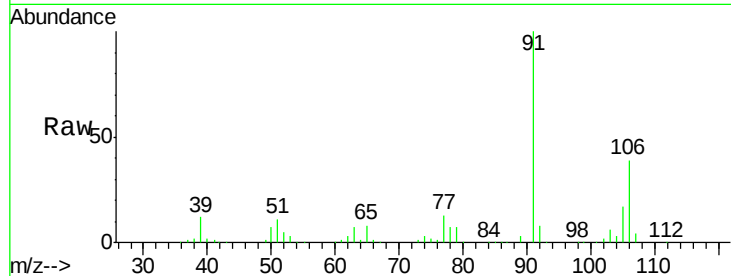




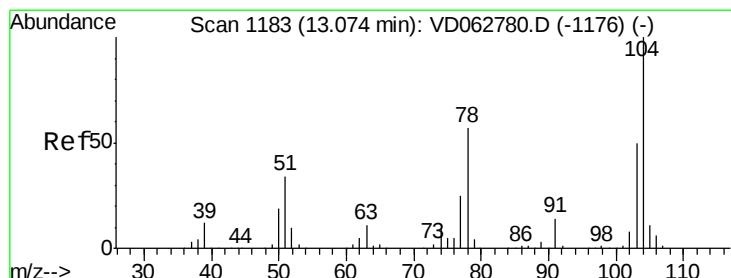
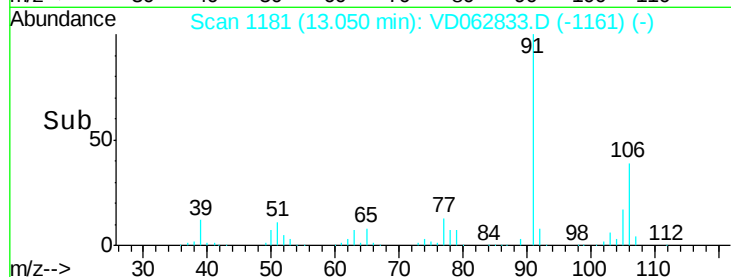
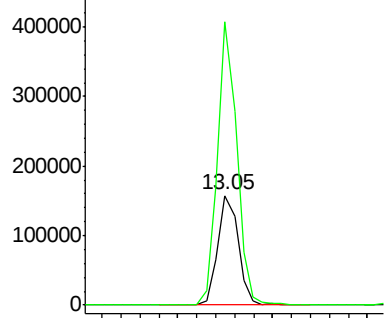
#69
o-Xylene
Concen: 19.614 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion:106 Resp: 238476
Ion Ratio Lower Upper
106 100
91 258.8 117.9 353.6

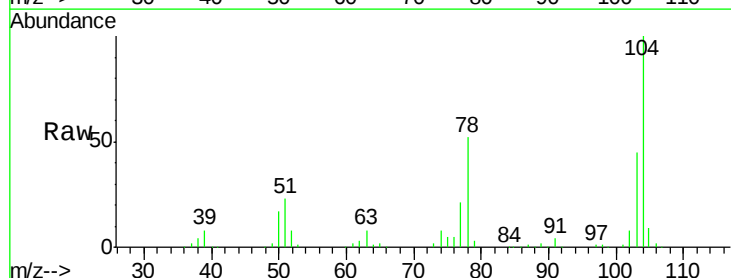


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

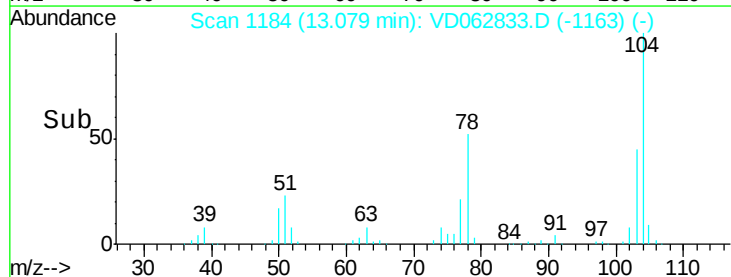
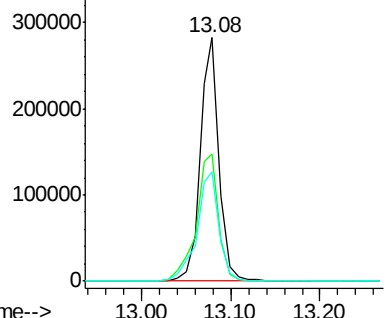


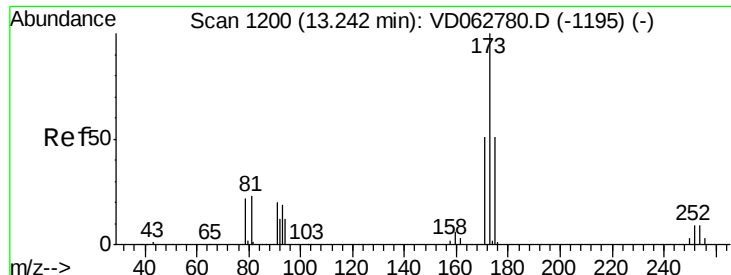
#70
Styrene
Concen: 19.491 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion:104 Resp: 416232
Ion Ratio Lower Upper
104 100
78 52.0 45.4 68.2
103 44.9 39.7 59.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 18.444 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

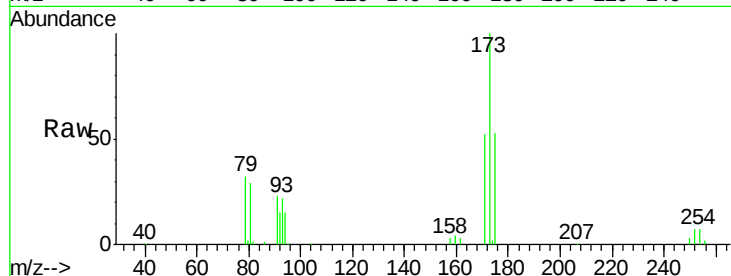
Tot Ion:173 Resp: 125697

Ion Ratio Lower Upper

173 100

175 53.4 25.3 75.9

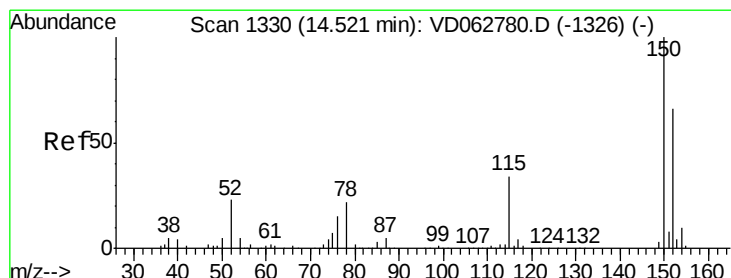
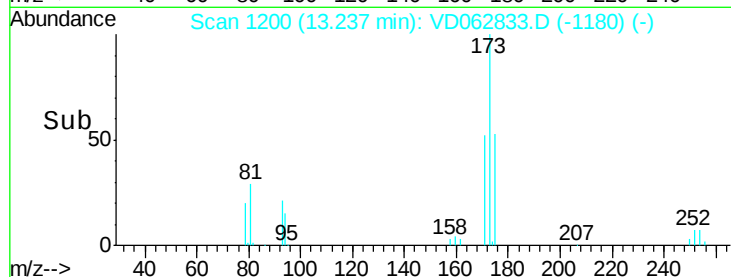
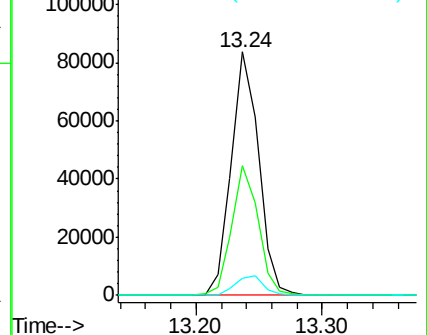
254 7.2 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

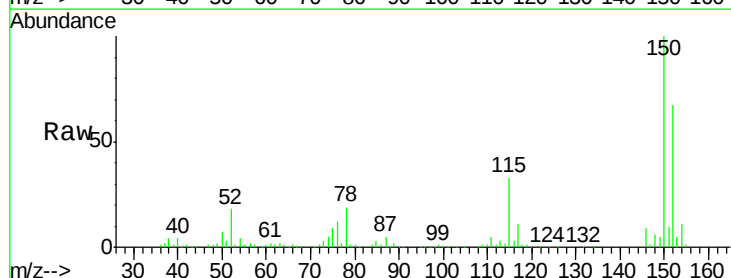
Tgt Ion:152 Resp: 604941

Ion Ratio Lower Upper

152 100

115 48.7 29.2 87.6

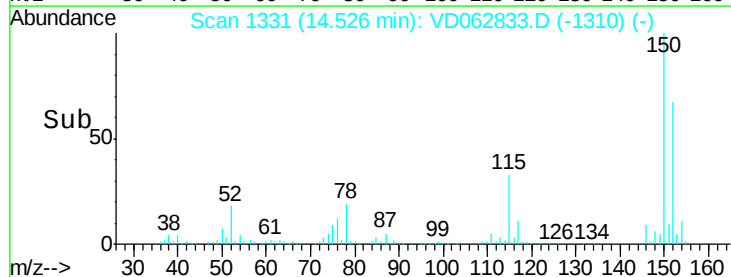
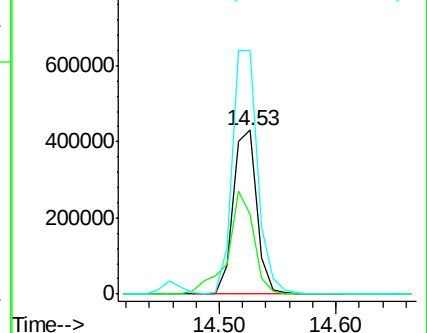
150 148.6 0.0 305.8

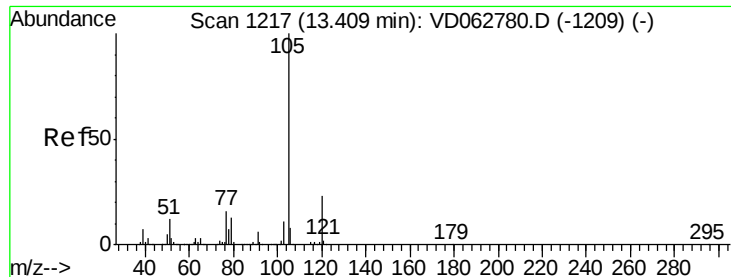


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.305 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

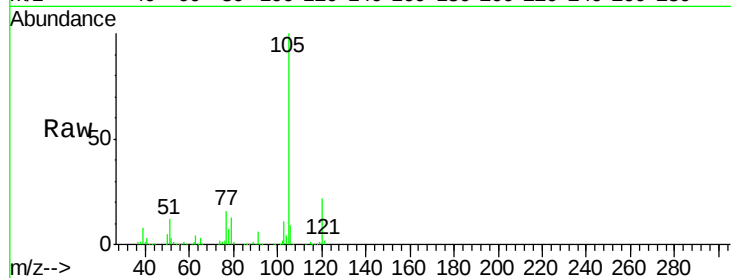
VD0624SBS01

Tot Ion:105 Resp: 748797

Ion Ratio Lower Upper

105 100

120 22.0 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

600000

500000

400000

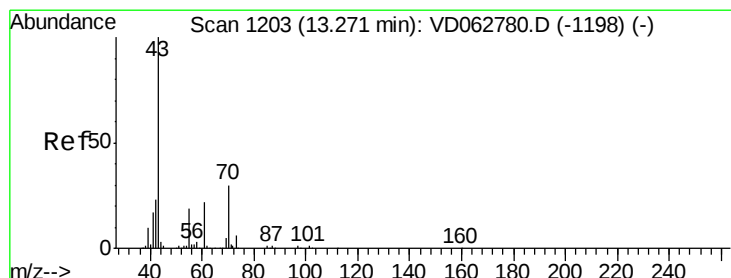
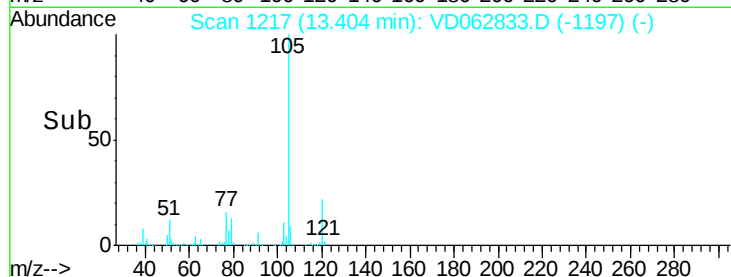
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.917 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Tgt Ion: 43 Resp: 178192

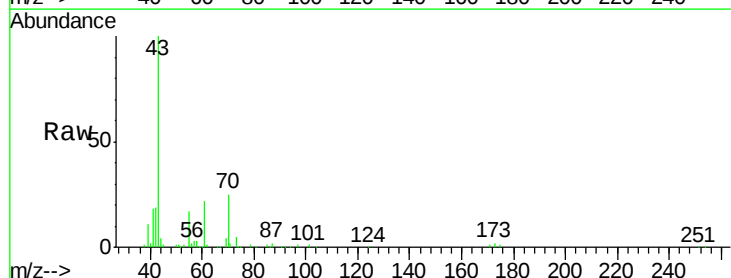
Ion Ratio Lower Upper

43 100

70 24.8 24.4 36.6

55 17.2 15.2 22.8

61 22.4 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

200000

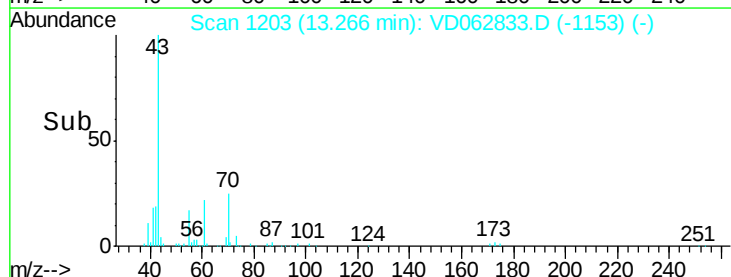
150000

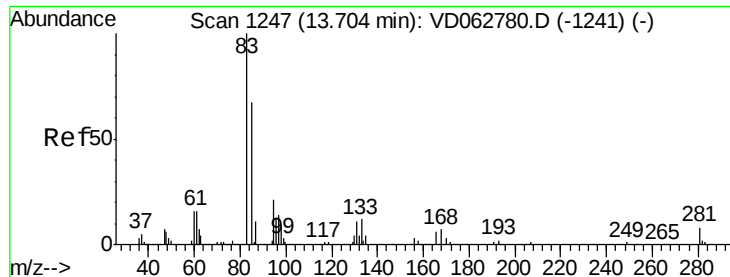
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 18.912 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

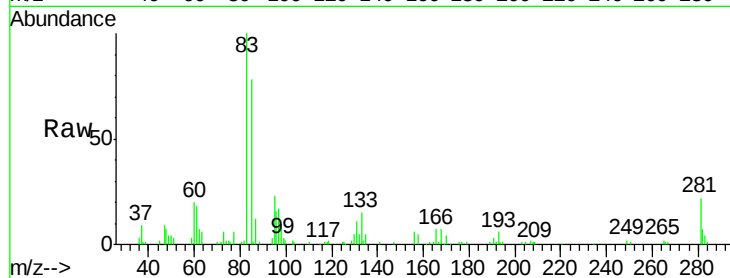
Tot Ion: 83 Resp: 119520

Ion Ratio Lower Upper

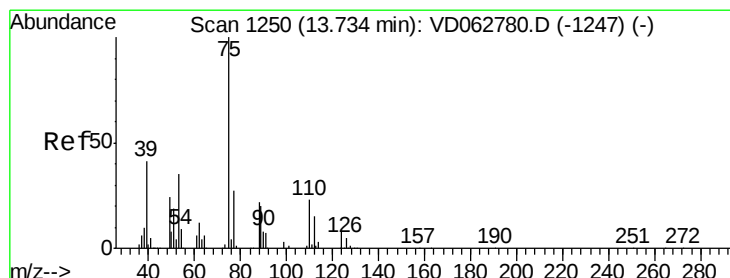
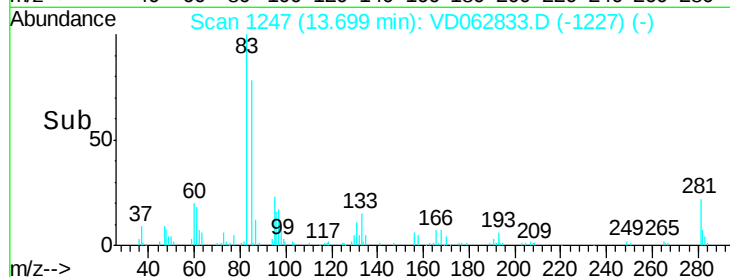
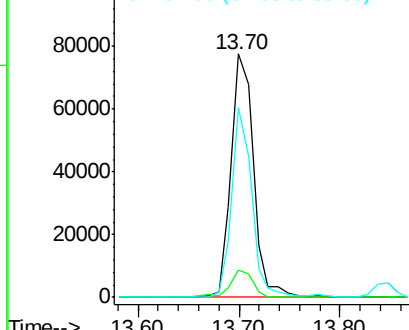
83 100

131 11.2 5.3 16.1

85 78.2 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.536 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062833.D

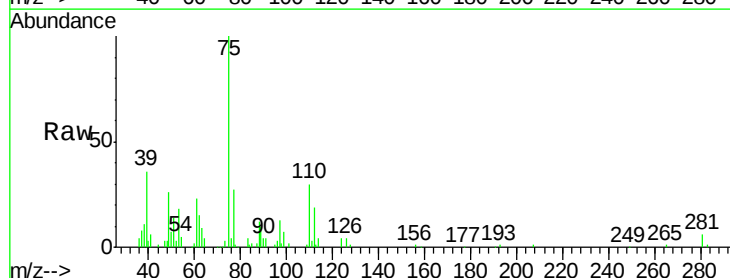
Acq: 24 Jun 2019 11:59

Tgt Ion: 75 Resp: 143417

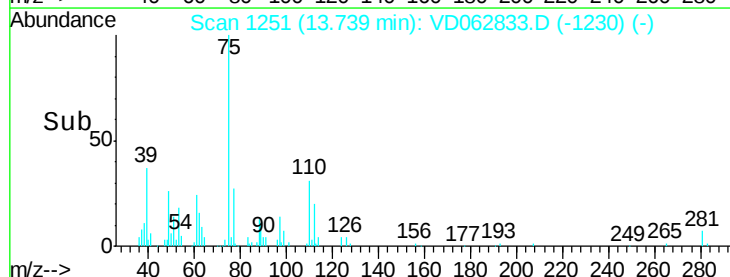
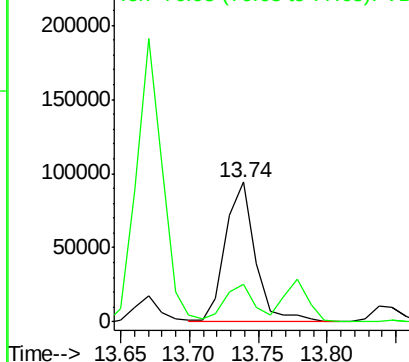
Ion Ratio Lower Upper

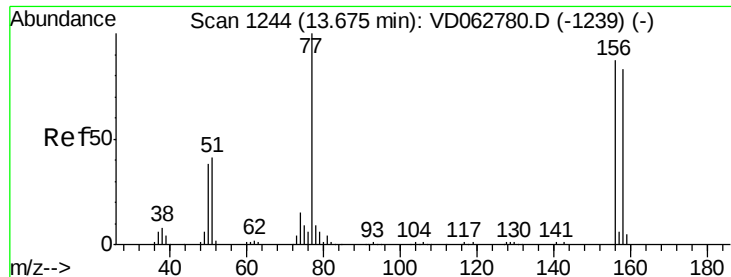
75 100

77 26.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.190 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

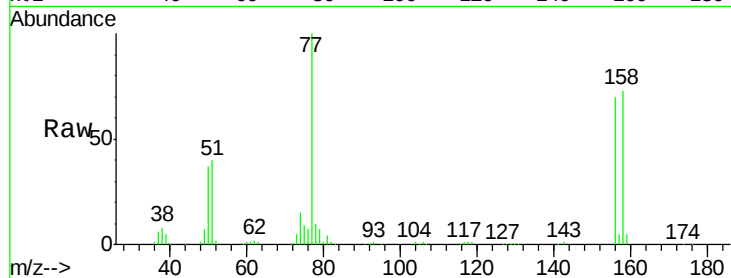
Tot Ion:156 Resp: 200203

Ion Ratio Lower Upper

156 100

77 141.9 57.7 173.1

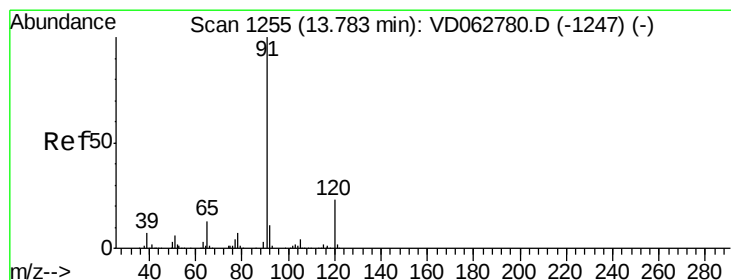
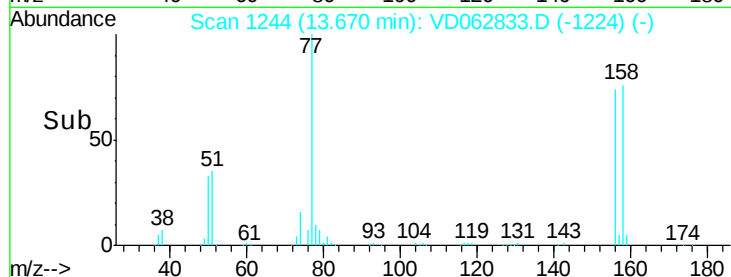
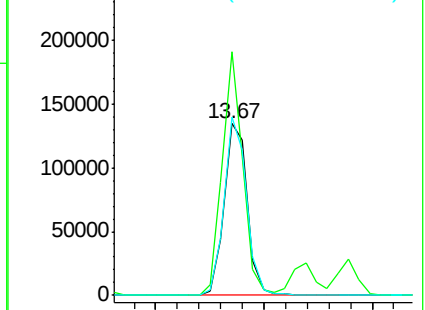
158 103.7 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.922 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062833.D

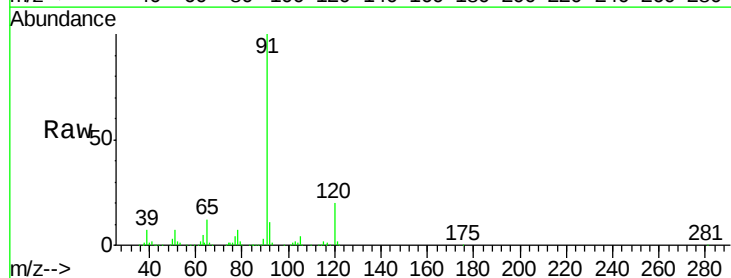
Acq: 24 Jun 2019 11:59

Tgt Ion: 91 Resp: 854236

Ion Ratio Lower Upper

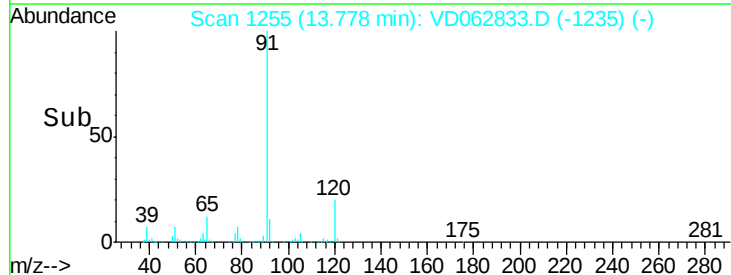
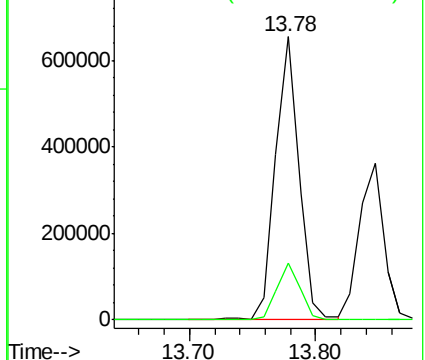
91 100

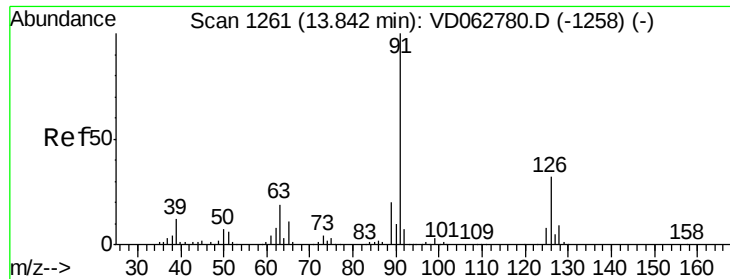
120 20.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

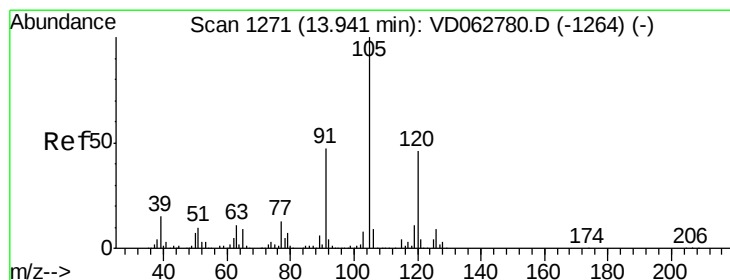
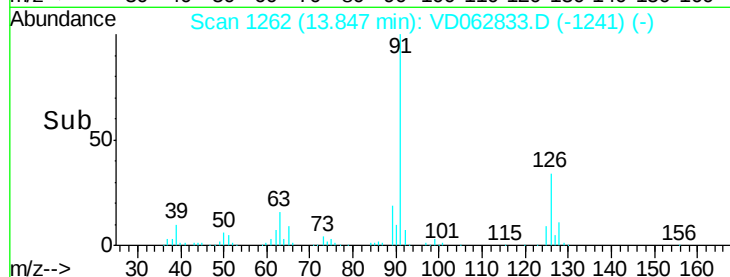
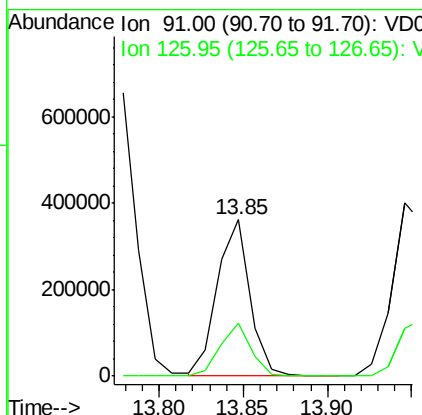
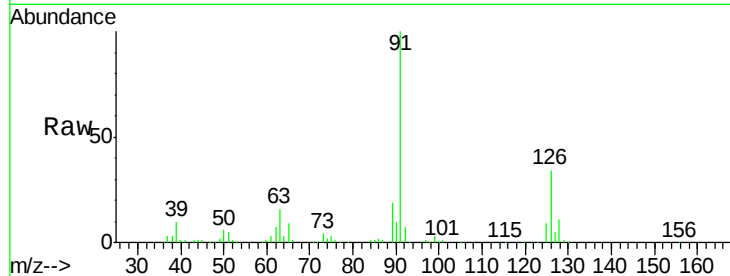




#79
2-Chlorotoluene
Concen: 18.860 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

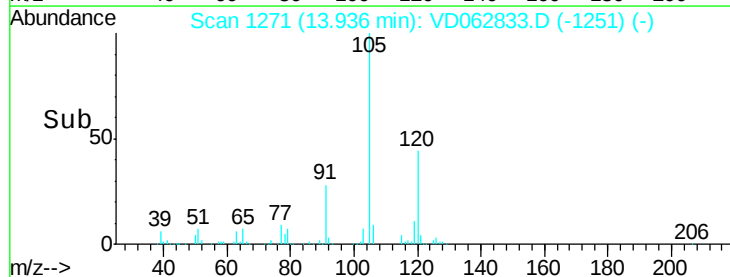
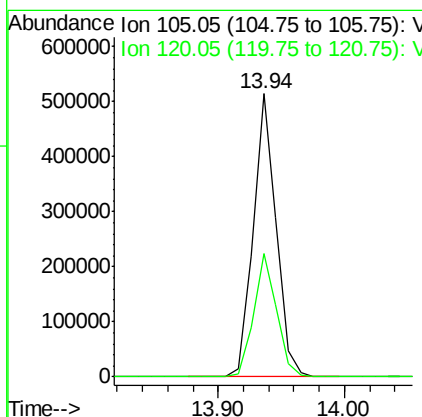
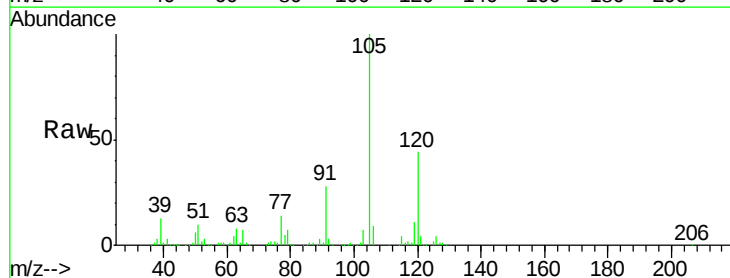
Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

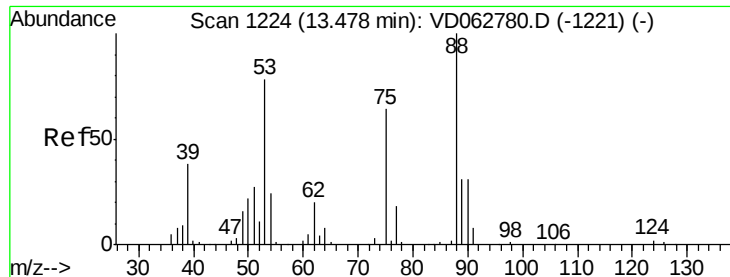
Tot Ion: 91 Resp: 486588
Ion Ratio Lower Upper
91 100
126 34.1 15.7 47.1



#80
1,3,5-Trimethylbenzene
Concen: 19.954 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion:105 Resp: 650118
Ion Ratio Lower Upper
105 100
120 43.8 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.060 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

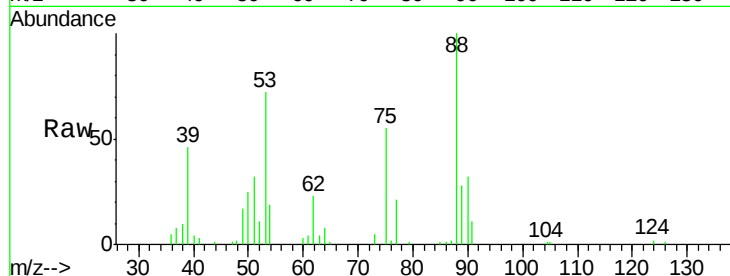
Tot Ion: 75 Resp: 33056

Ion Ratio Lower Upper

75 100

53 129.6 97.8 146.8

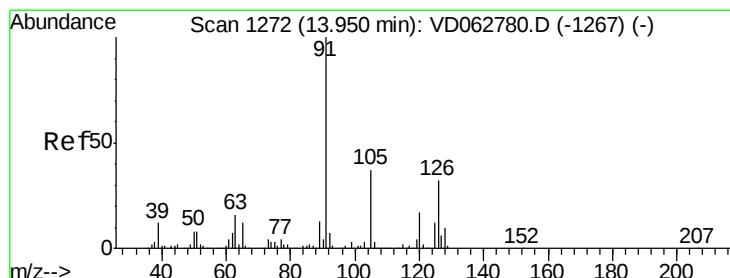
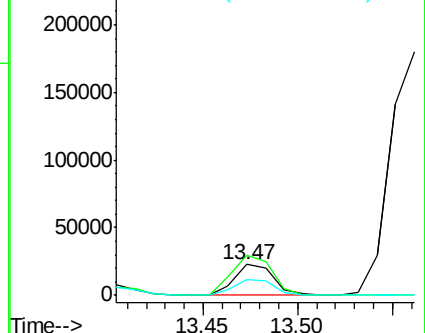
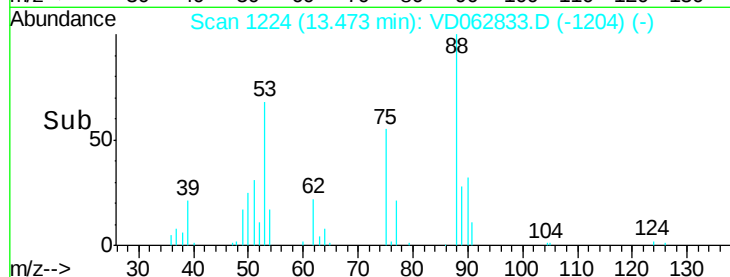
89 49.8 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.674 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062833.D

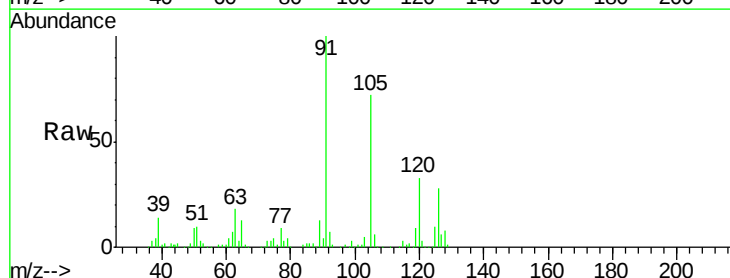
Acq: 24 Jun 2019 11:59

Tgt Ion: 91 Resp: 611086

Ion Ratio Lower Upper

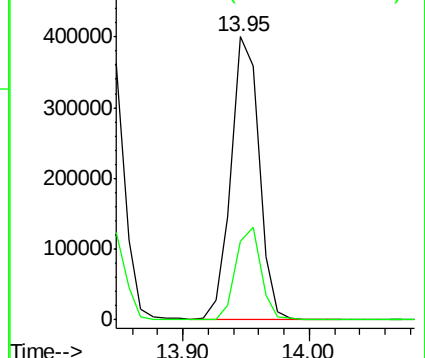
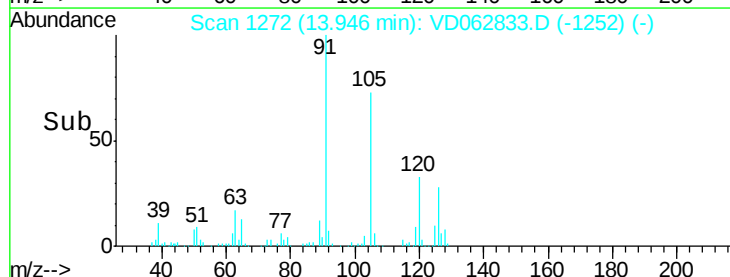
91 100

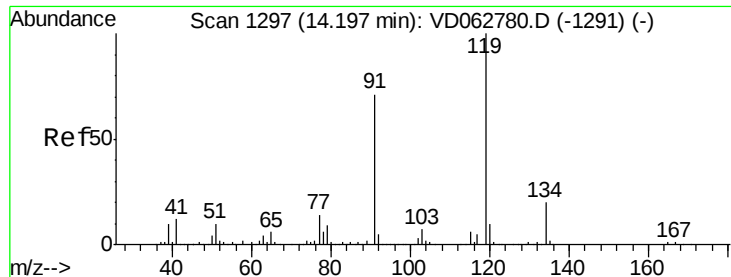
126 27.5 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 19.855 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

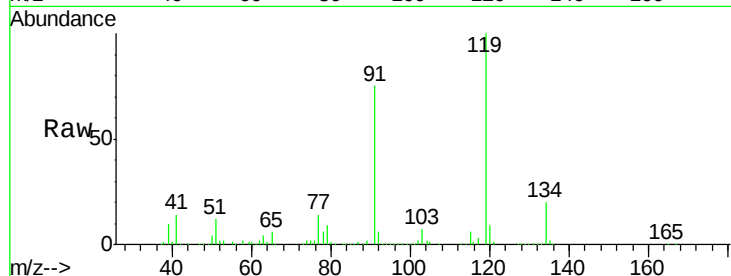
Tot Ion:119 Resp: 721058

Ion Ratio Lower Upper

119 100

91 75.1 35.5 106.5

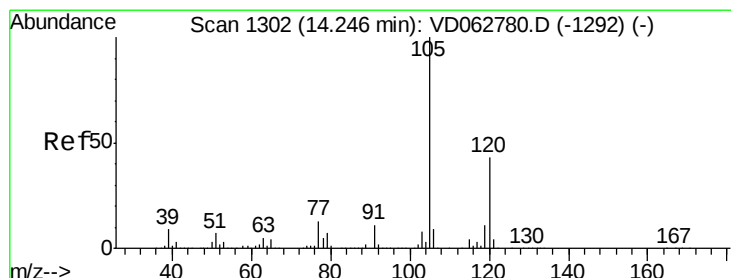
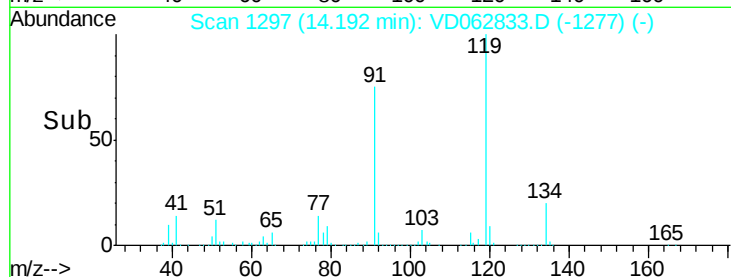
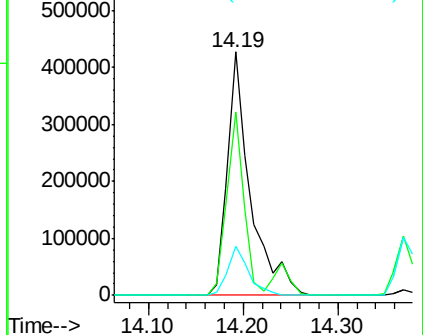
134 20.3 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.399 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD062833.D

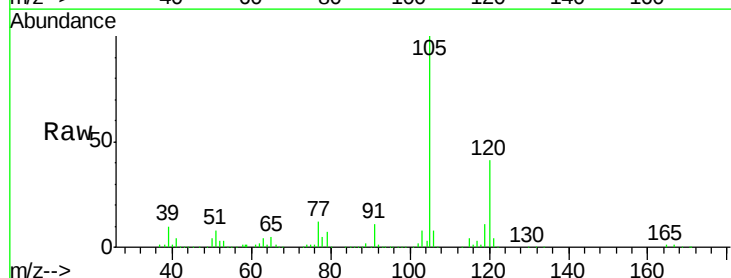
Acq: 24 Jun 2019 11:59

Tgt Ion:105 Resp: 647799

Ion Ratio Lower Upper

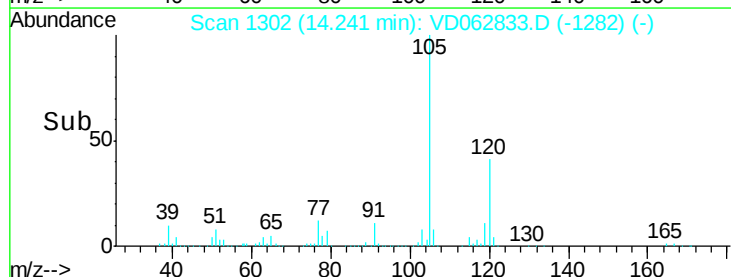
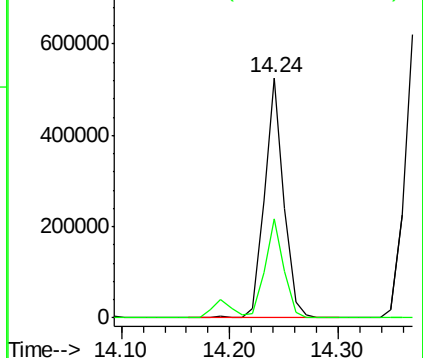
105 100

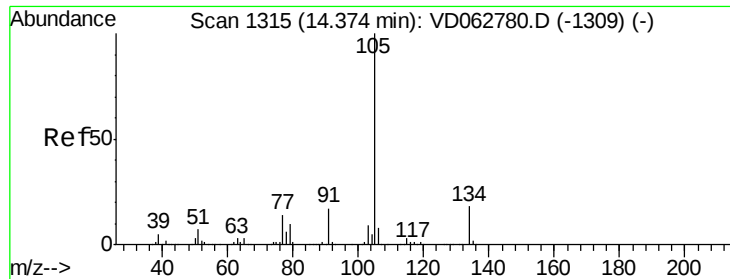
120 41.3 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.557 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

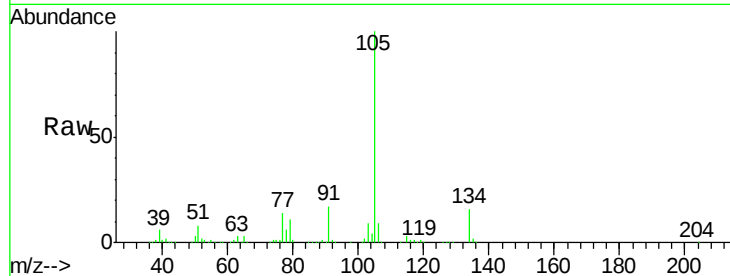
VD0624SBS01

Tot Ion:105 Resp: 771897

Ion Ratio Lower Upper

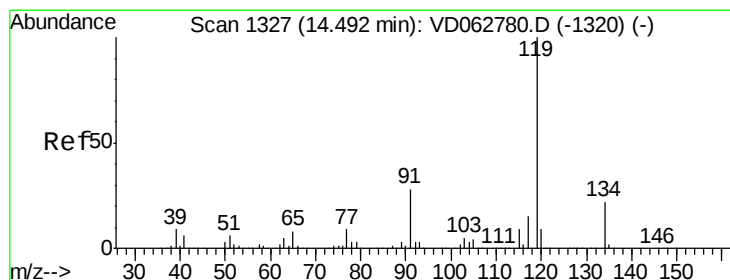
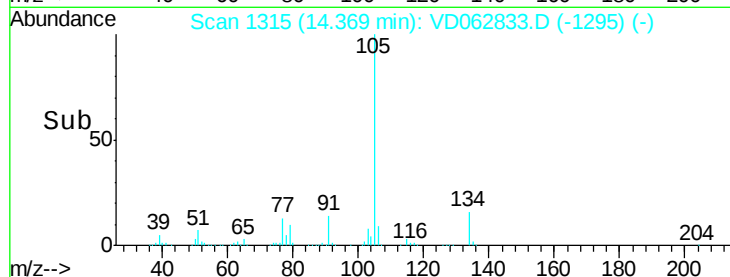
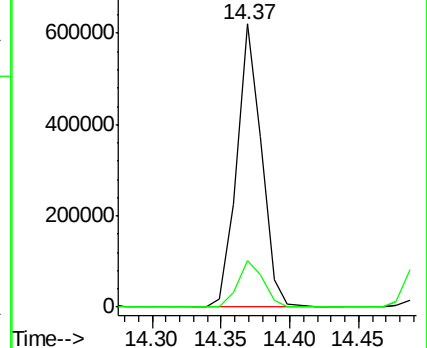
105 100

134 16.5 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.162 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

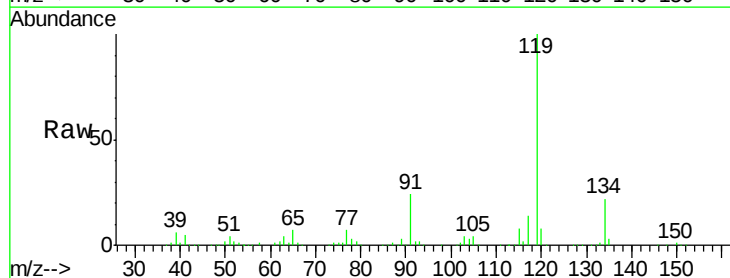
Tgt Ion:119 Resp: 728037

Ion Ratio Lower Upper

119 100

134 21.7 11.1 33.1

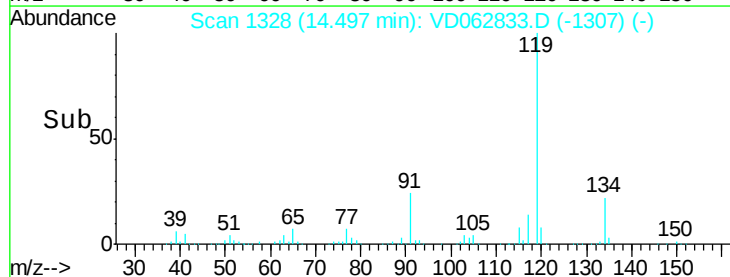
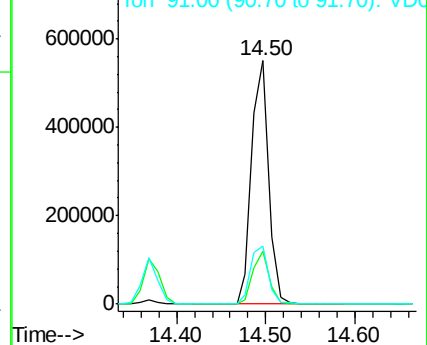
91 23.7 14.0 41.9

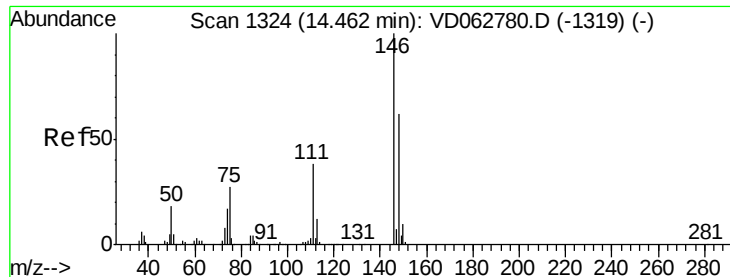


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

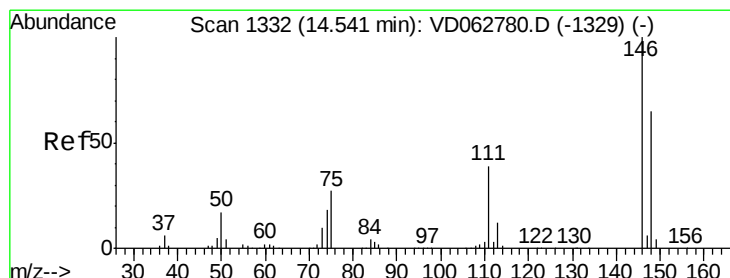
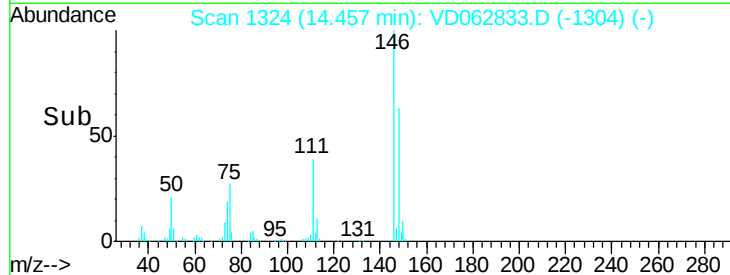
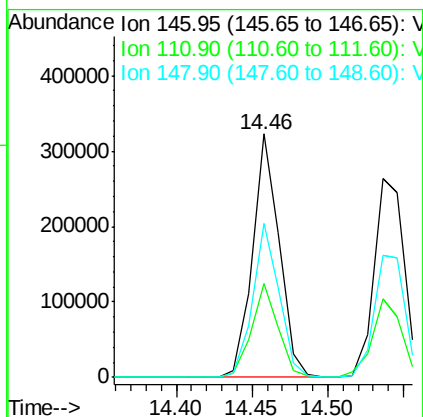
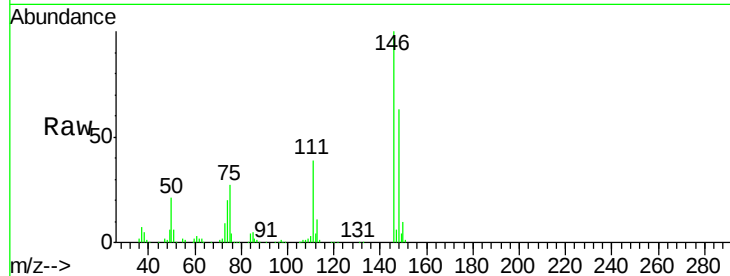




#87
 1,3-Dichlorobenzene
 Concen: 21.225 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

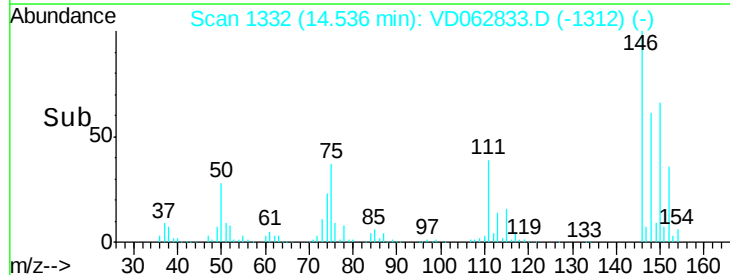
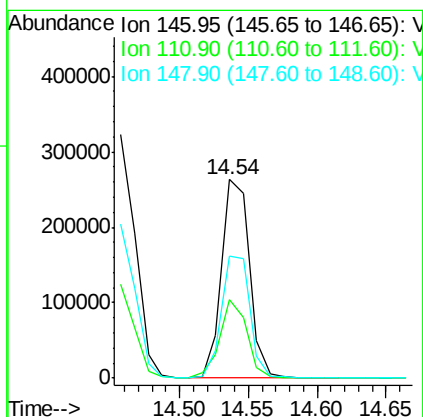
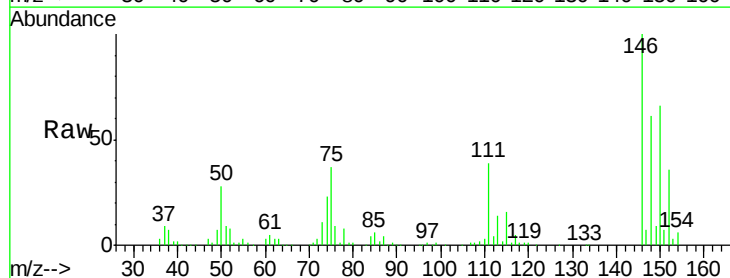
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

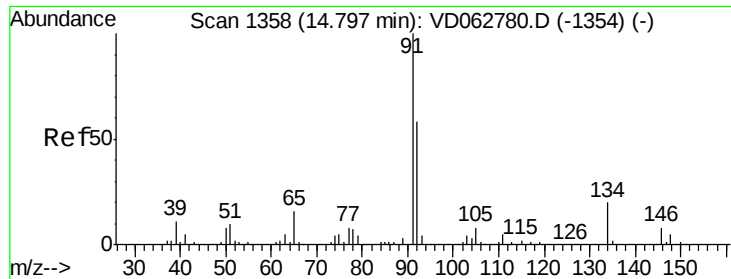
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.0	57.0
148	63.1	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 19.746 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	61.2	32.8	98.3





#89

n-Butylbenzene

Concen: 18.852 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

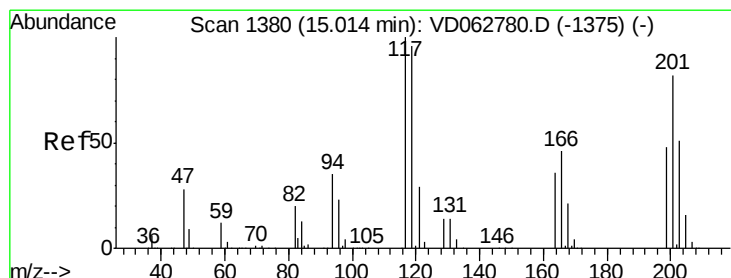
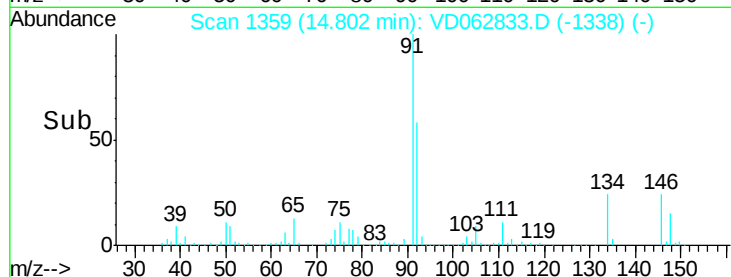
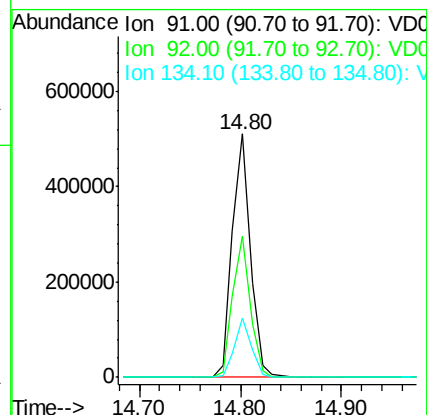
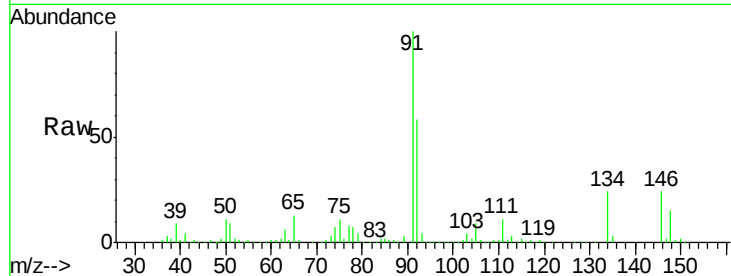
Tot Ion: 91 Resp: 637130

Ion Ratio Lower Upper

91 100

92 58.2 28.9 86.7

134 24.2 10.1 30.3



#90

Hexachloroethane

Concen: 19.408 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062833.D

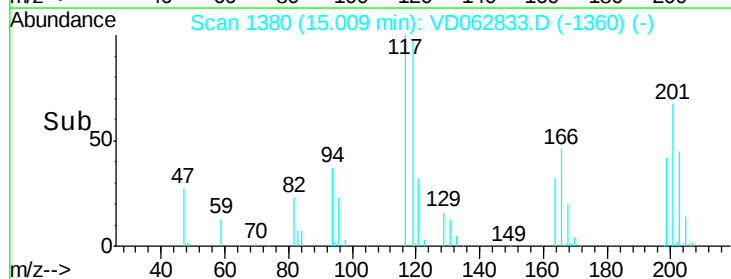
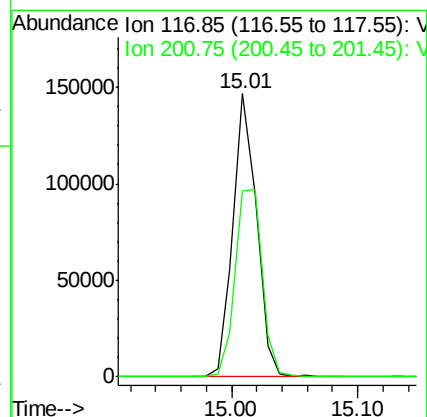
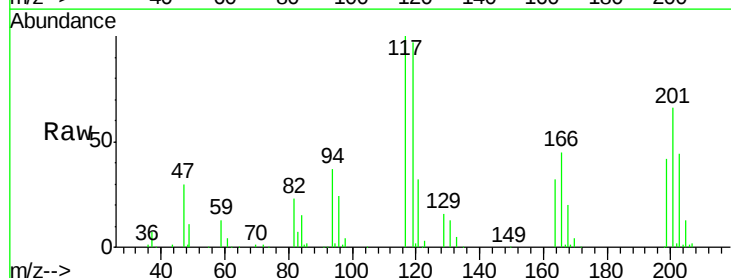
Acq: 24 Jun 2019 11:59

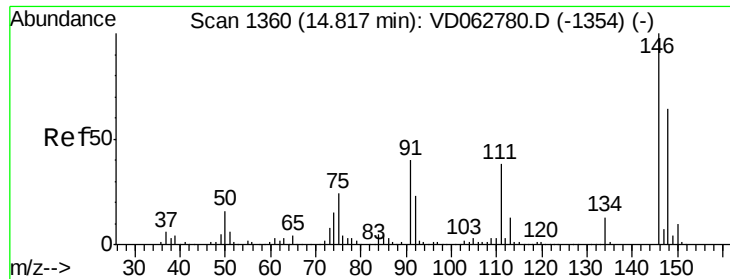
Tgt Ion: 117 Resp: 188429

Ion Ratio Lower Upper

117 100

201 65.9 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 19.106 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

Instrument :

MSVOA_D

ClientSampleId :

VD0624SBS01

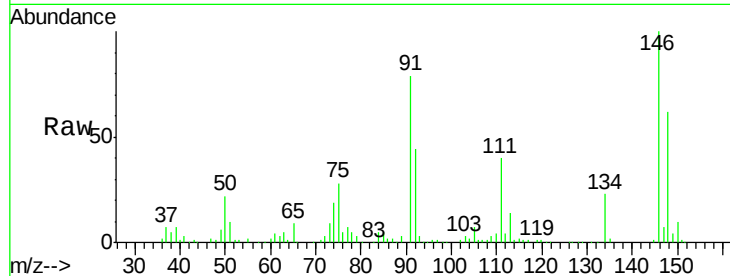
Tot Ion:146 Resp: 305712

Ion Ratio Lower Upper

146 100

111 39.6 19.1 57.1

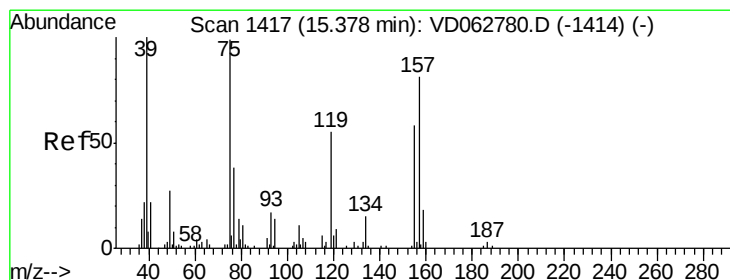
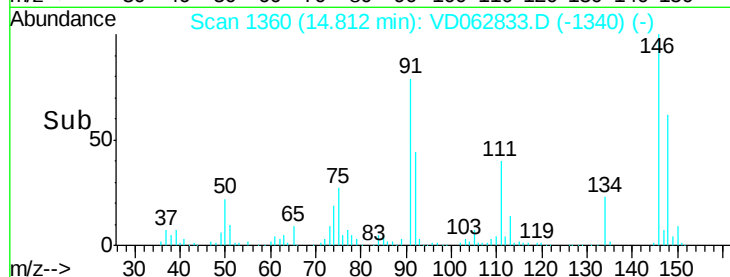
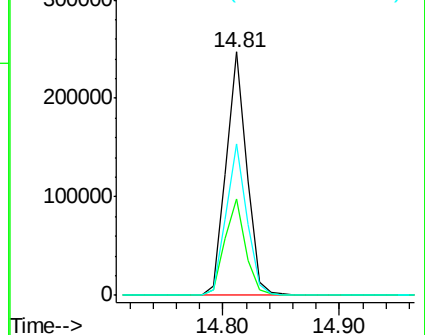
148 62.4 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.693 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD062833.D

Acq: 24 Jun 2019 11:59

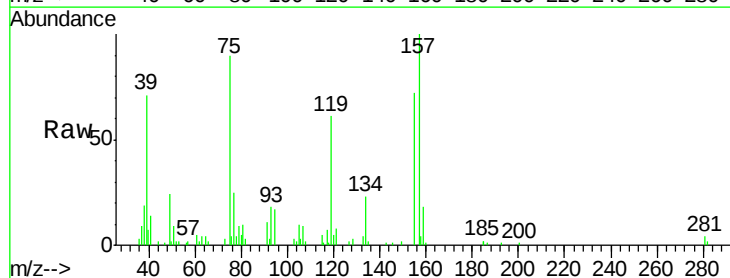
Tgt Ion: 75 Resp: 26759

Ion Ratio Lower Upper

75 100

155 79.8 29.3 87.8

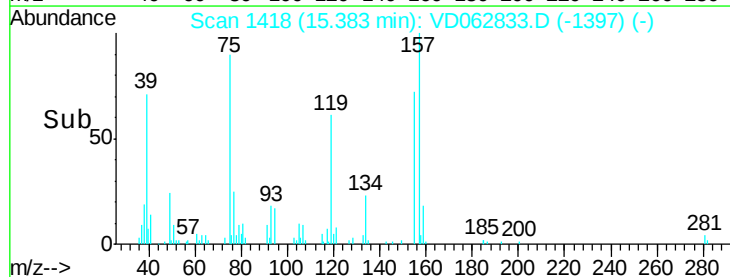
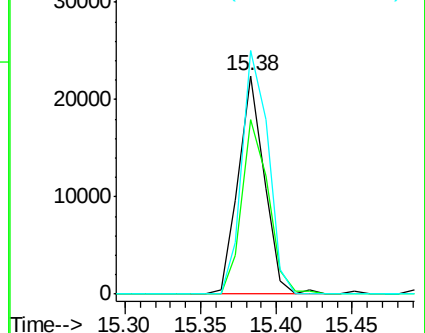
157 111.4 41.3 123.7

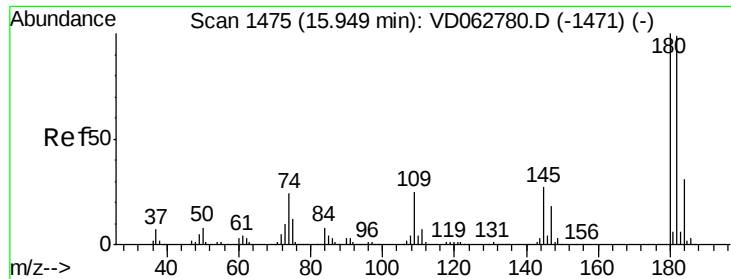


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

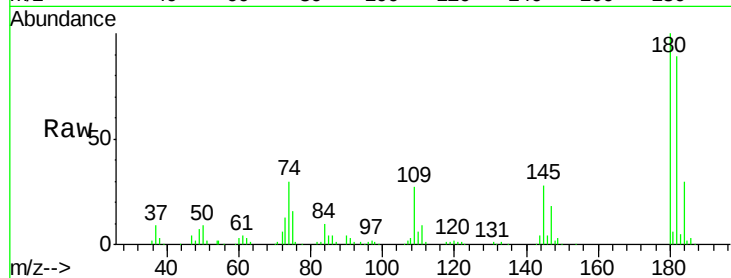




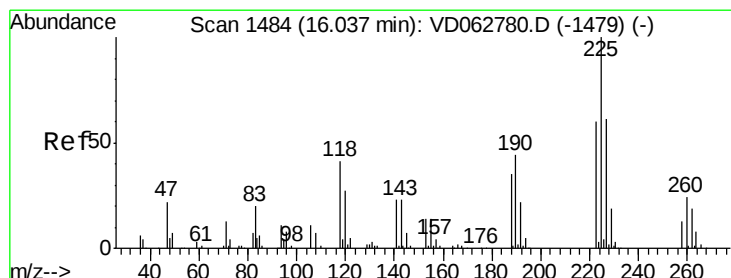
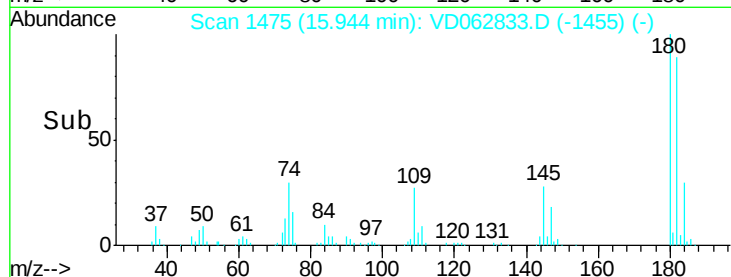
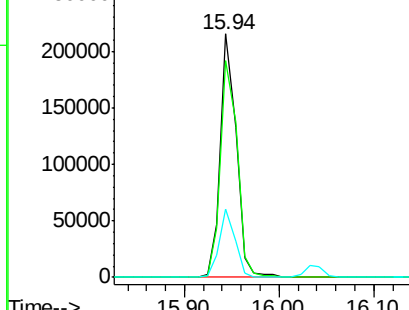
#93
 1,2,4-Trichlorobenzene
 Concen: 20.236 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBS01

Tot Ion:180 Resp: 252926
 Ion Ratio Lower Upper
 180 100
 182 89.2 49.5 148.5
 145 28.1 13.7 41.0

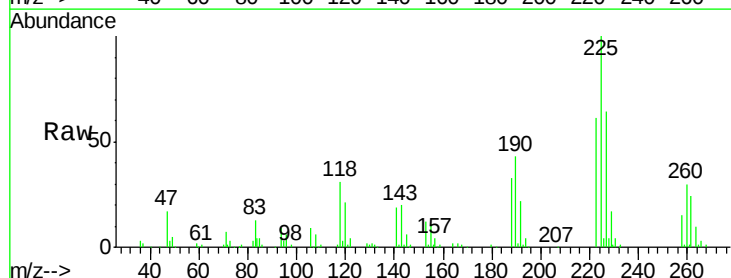


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

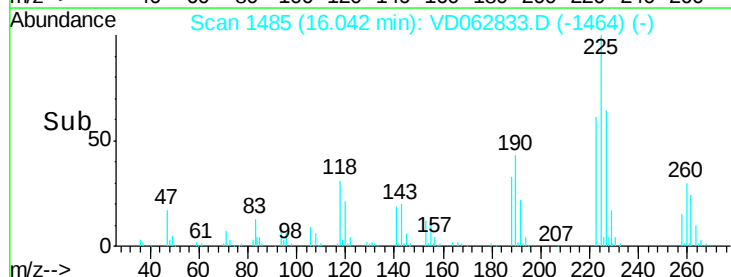
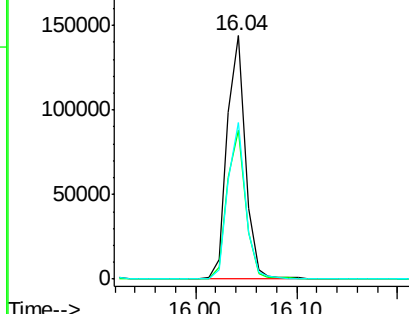


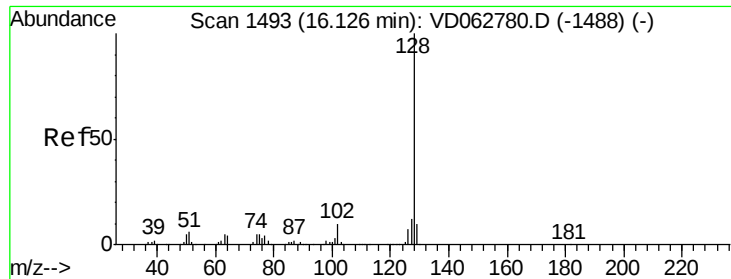
#94
 Hexachlorobutadiene
 Concen: 19.058 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062833.D
 Acq: 24 Jun 2019 11:59

Tgt Ion:225 Resp: 181978
 Ion Ratio Lower Upper
 225 100
 223 61.4 29.8 89.5
 227 64.3 30.6 91.6



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

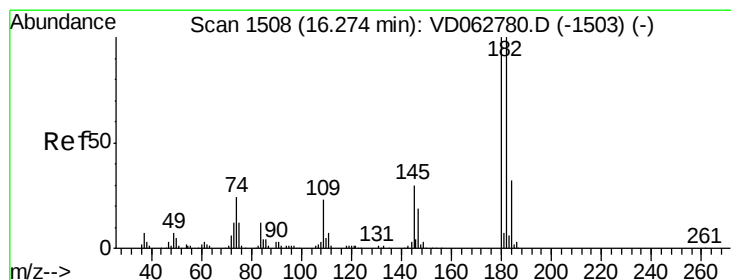
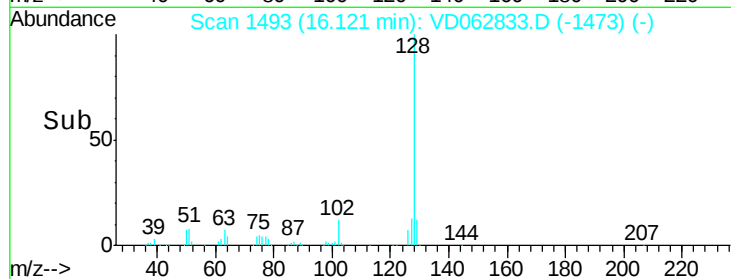
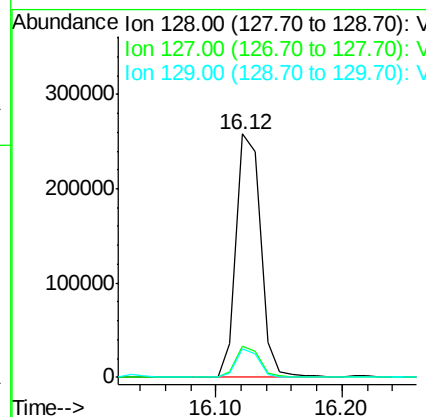
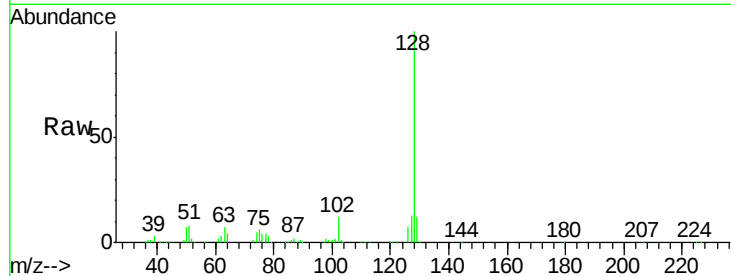




#95
Naphthalene
Concen: 19.758 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Instrument :
MSVOA_D
ClientSampleId :
VD0624SBS01

Tot Ion:128 Resp: 346132
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 11.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 19.553 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062833.D
Acq: 24 Jun 2019 11:59

Tgt Ion:180 Resp: 187775
Ion Ratio Lower Upper
180 100
182 94.2 49.9 149.6
145 31.7 15.2 45.5

