

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062875.D
 Acq On : 25 Jun 2019 13:25
 Operator : VA/AP
 Sample : VD0625SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Quant Time: Jun 26 05:33:57 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	973998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1384905	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1079379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	603095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	509164	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	6.93	113	542725	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	10.42	98	1198985	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	13.56	95	542447	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	257301	20.414	ug/l	98
3) Chloromethane	1.77	50	186542	19.680	ug/l	93
4) Vinyl Chloride	1.84	62	185988	19.790	ug/l	99
5) Bromomethane	2.15	94	64463	14.646	ug/l	97
6) Chloroethane	2.26	64	81683	19.197	ug/l #	82
7) Trichlorofluoromethane	2.52	101	360081	18.931	ug/l	95
8) Diethyl Ether	2.88	74	43846	18.143	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	195870	19.009	ug/l	97
10) Methyl Iodide	3.30	142	231849	17.055	ug/l	94
11) Tert butyl alcohol	4.11	59	44558	92.407	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	152656	19.749	ug/l	97
13) Acrolein	3.04	56	38660	78.536	ug/l	99
14) Allyl chloride	3.62	41	231552	20.273	ug/l	98
15) Acrylonitrile	4.21	53	112392	99.197	ug/l	89
16) Acetone	3.23	43	202145	89.666	ug/l	100
17) Carbon Disulfide	3.37	76	443161	17.938	ug/l	96
18) Methyl Acetate	3.66	43	80947	25.327	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	353714	21.137	ug/l	93
20) Methylene Chloride	3.81	84	171291	21.214	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	151017	18.348	ug/l	98
22) Diisopropyl ether	5.13	45	466286	20.074	ug/l #	94
23) Vinyl Acetate	5.06	43	1509804	103.875	ug/l	99
24) 1,1-Dichloroethane	4.99	63	298927	19.766	ug/l	98
25) 2-Butanone	6.09	43	213822	107.984	ug/l	97
26) 2,2-Dichloropropane	6.04	77	323198	20.162	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	169415	19.464	ug/l	92
28) Bromochloromethane	6.44	49	120169	22.561	ug/l	88
29) Tetrahydrofuran	6.47	42	104477	111.516	ug/l	96
30) Chloroform	6.68	83	354789	19.290	ug/l	94
31) Cyclohexane	6.95	56	201545	20.272	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	376142	19.635	ug/l	98
36) 1,1-Dichloropropene	7.15	75	241505	18.421	ug/l	98
37) Ethyl Acetate	6.20	43	113390	19.927	ug/l #	90
38) Carbon Tetrachloride	7.11	117	344558	17.475	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062875.D
 Acq On : 25 Jun 2019 13:25
 Operator : VA/AP
 Sample : VD0625SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0625SBS01

Quant Time: Jun 26 05:33:57 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	8.87	83	218059	18.896	ug/l	95
40) Benzene	7.47	78	502594	19.098	ug/l	98
41) Methacrylonitrile	6.47	41	133447	19.302	ug/l #	86
42) 1,2-Dichloroethane	7.59	62	269733	18.789	ug/l	99
43) Isopropyl Acetate	9.25	43	143380	20.861	ug/l #	89
44) Trichloroethene	8.55	130	186744	18.101	ug/l	95
45) 1,2-Dichloropropane	8.95	63	119372	18.242	ug/l	99
46) Dibromomethane	9.07	93	105306	18.734	ug/l	94
47) Bromodichloromethane	9.38	83	270541	18.532	ug/l	97
48) Methyl methacrylate	9.13	41	96457	19.748	ug/l	90
49) 1,4-Dioxane	9.09	88	16786	413.086	ug/l	89
51) 4-Methyl-2-Pentanone	10.31	43	501402	102.893	ug/l	98
52) Toluene	10.52	92	333676	18.863	ug/l	92
53) t-1,3-Dichloropropene	10.92	75	244884	20.495	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	242924	18.705	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	117091	19.266	ug/l	88
56) Ethyl methacrylate	11.05	69	134641	20.730	ug/l	92
57) 1,3-Dichloropropane	11.41	76	175247	18.832	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	335539	100.629	ug/l	100
59) 2-Hexanone	11.54	43	366333	105.555	ug/l	99
60) Dibromochloromethane	11.69	129	207797	18.356	ug/l	98
61) 1,2-Dibromoethane	11.81	107	143848	20.041	ug/l	98
64) Tetrachloroethene	11.26	164	186449	20.988	ug/l	96
65) Chlorobenzene	12.41	112	424144	21.173	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	198289	21.166	ug/l	91
67) Ethyl Benzene	12.53	91	768387	21.365	ug/l	100
68) m/p-Xylenes	12.67	106	526953	42.067	ug/l	99
69) o-Xylene	13.06	106	247919	21.650	ug/l	99
70) Styrene	13.08	104	435568	21.656	ug/l	94
71) Bromoform	13.24	173	136734	21.303	ug/l	93
73) Isopropylbenzene	13.41	105	800194	20.693	ug/l	100
74) N-amyl acetate	13.27	43	205039	21.834	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	131528	20.876	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	149829	21.520	ug/l	97
77) Bromobenzene	13.68	156	205150	19.724	ug/l	97
78) n-propylbenzene	13.78	91	890862	19.794	ug/l	94
79) 2-Chlorotoluene	13.84	91	492850	19.161	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	648959	19.980	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	40643	22.274	ug/l	98
82) 4-Chlorotoluene	13.95	91	621292	20.064	ug/l	99
83) tert-Butylbenzene	14.19	119	751477	20.756	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	626805	18.828	ug/l	95
85) sec-Butylbenzene	14.37	105	761446	19.351	ug/l	94
86) p-Isopropyltoluene	14.49	119	676661	18.797	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	394100	21.138	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	384821	20.550	ug/l	95
89) n-Butylbenzene	14.80	91	676112	20.067	ug/l	98
90) Hexachloroethane	15.01	117	182712	18.877	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	341903	21.434	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	26657	21.677	ug/l	91

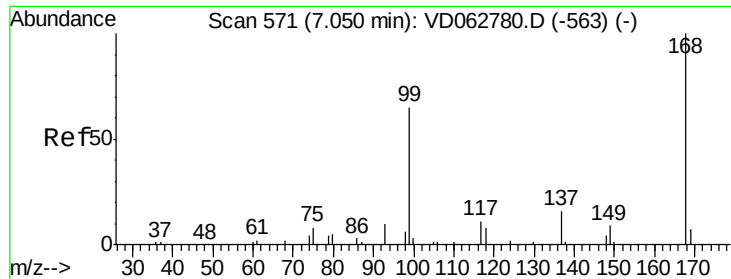
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
Data File : VD062875.D
Acq On : 25 Jun 2019 13:25
Operator : VA/AP
Sample : VD0625SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Quant Time: Jun 26 05:33:57 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.95	180	250030	20.065	ug/l	97
94) Hexachlorobutadiene	16.04	225	168269	17.676	ug/l	94
95) Naphthalene	16.13	128	356337	20.403	ug/l	97
96) 1,2,3-Trichlorobenzene	16.28	180	202100	21.109	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

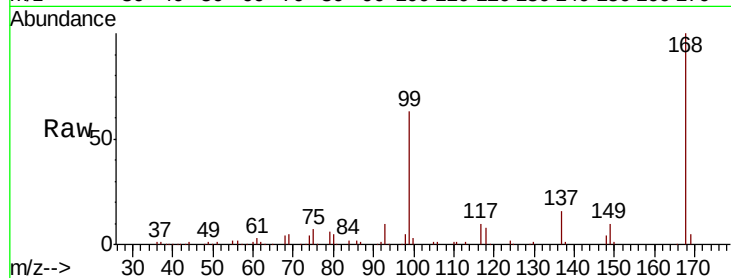
VD0625SBSD01

Tot Ion:168 Resp: 973998

Ion Ratio Lower Upper

168 100

99 63.0 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

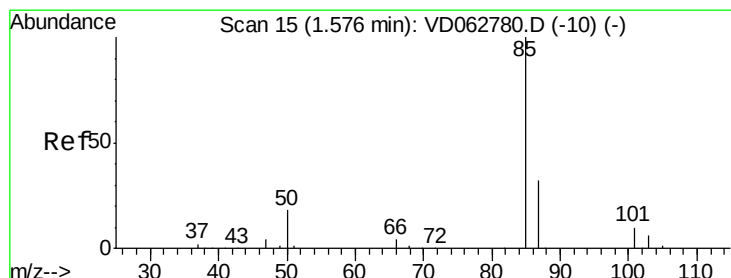
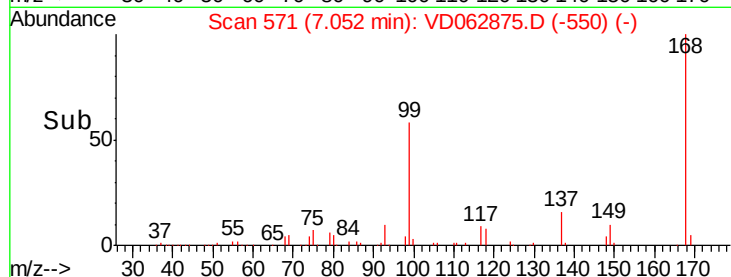
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 20.414 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062875.D

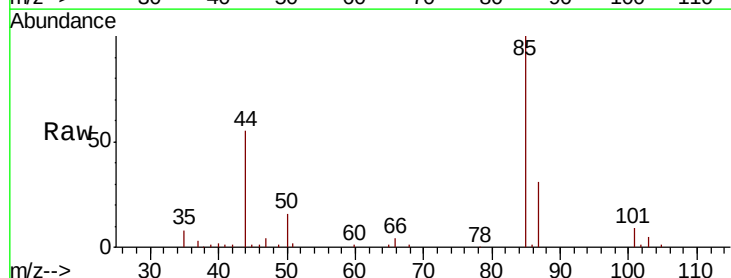
Acq: 25 Jun 2019 13:25

Tgt Ion: 85 Resp: 257301

Ion Ratio Lower Upper

85 100

87 30.6 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

100000

80000

60000

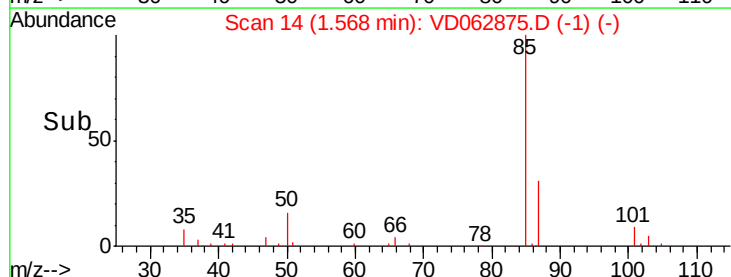
40000

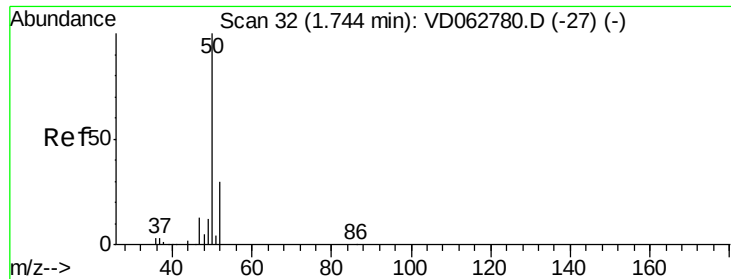
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 19.680 ug/l

RT: 1.77 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

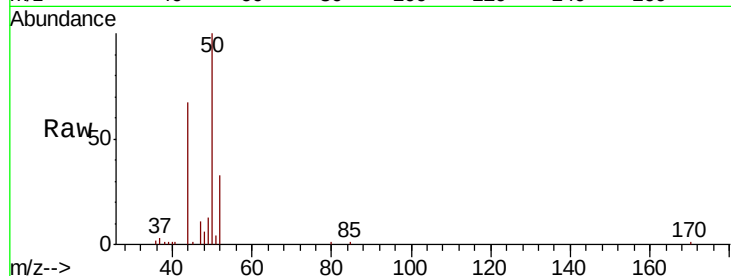
VD0625SBSD01

Tot Ion: 50 Resp: 186542

Ion Ratio Lower Upper

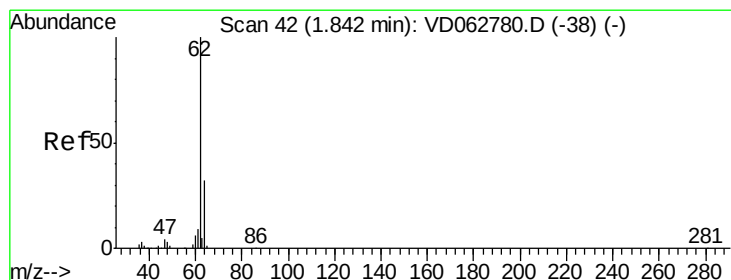
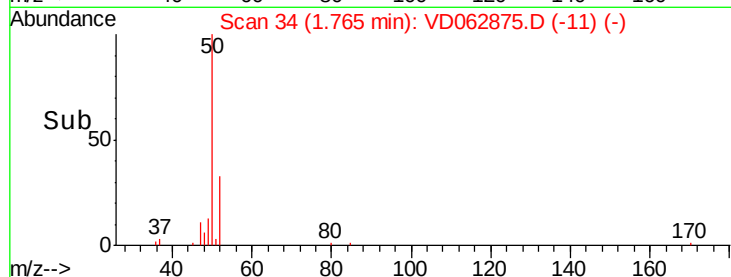
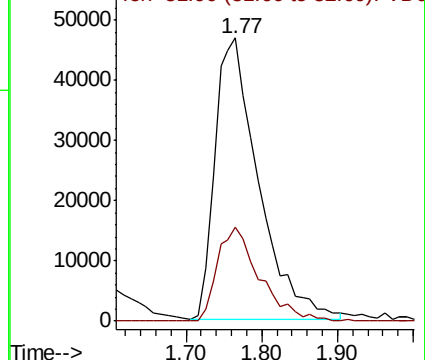
50 100

52 33.3 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: 19.790 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062875.D

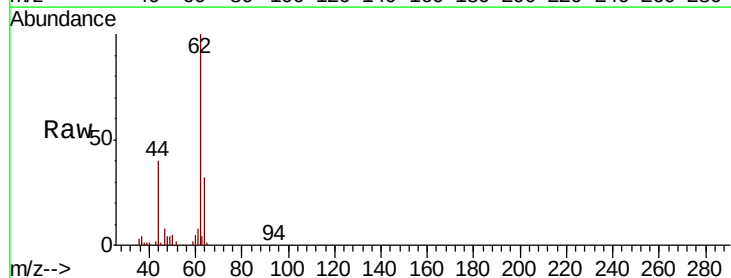
Acq: 25 Jun 2019 13:25

Tgt Ion: 62 Resp: 185988

Ion Ratio Lower Upper

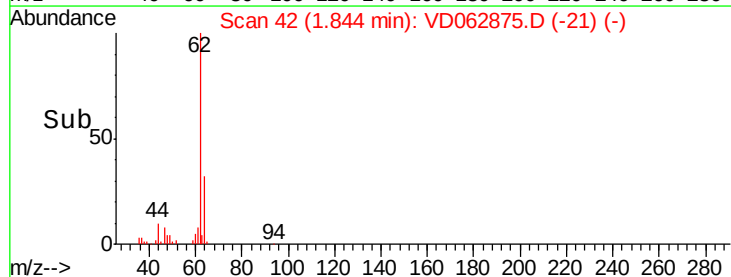
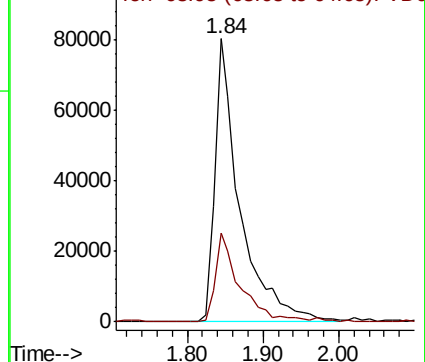
62 100

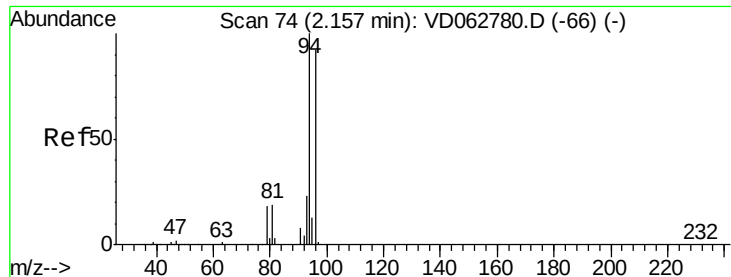
64 31.6 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.646 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

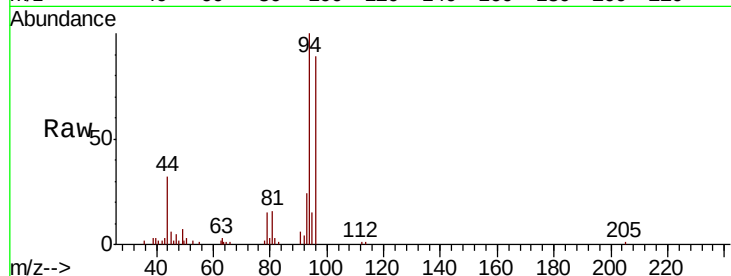
Tot Ion: 94 Resp: 64463

Ion Ratio Lower Upper

94 100

96 89.4 73.4 110.2

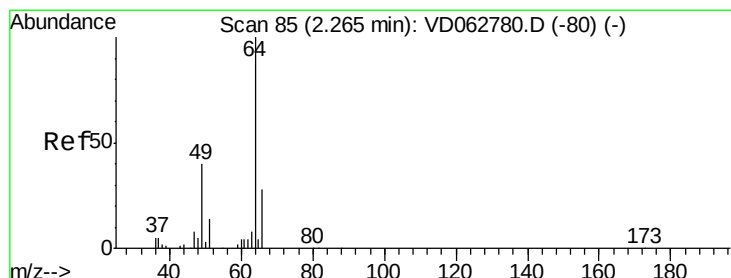
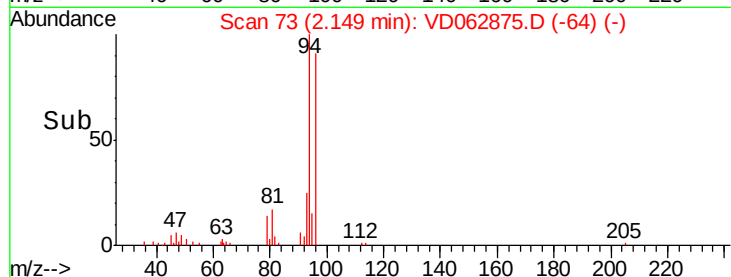
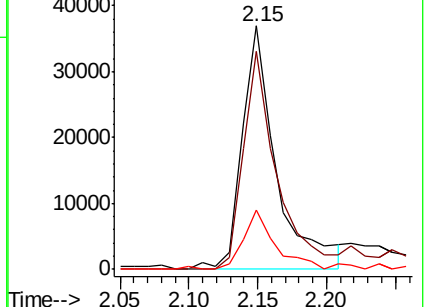
93 24.4 18.2 27.4



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: 19.197 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062875.D

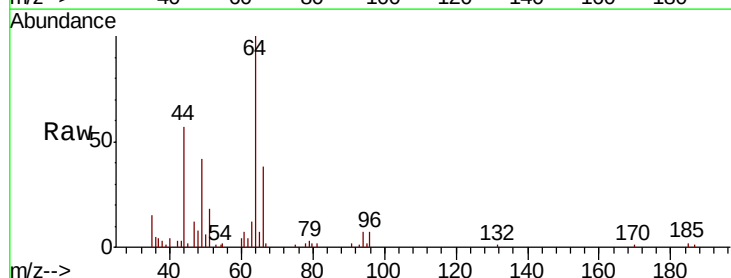
Acq: 25 Jun 2019 13:25

Tgt Ion: 64 Resp: 81683

Ion Ratio Lower Upper

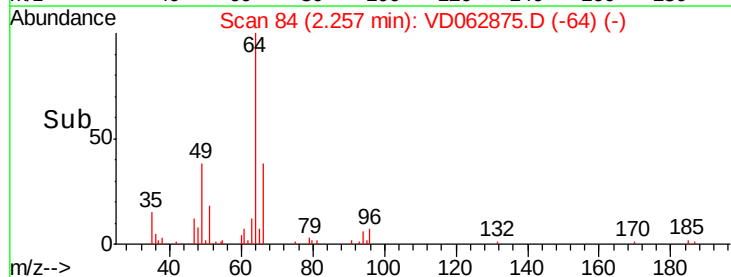
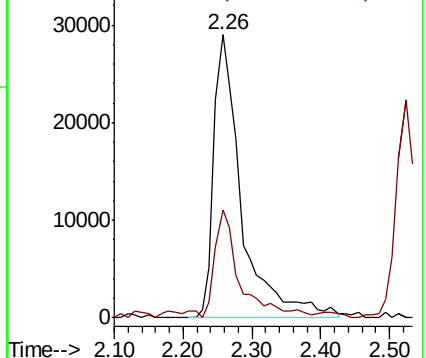
64 100

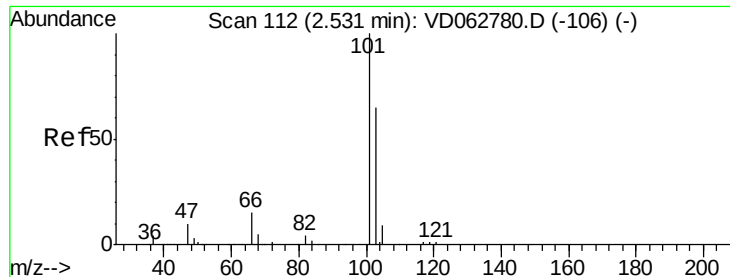
66 38.3 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



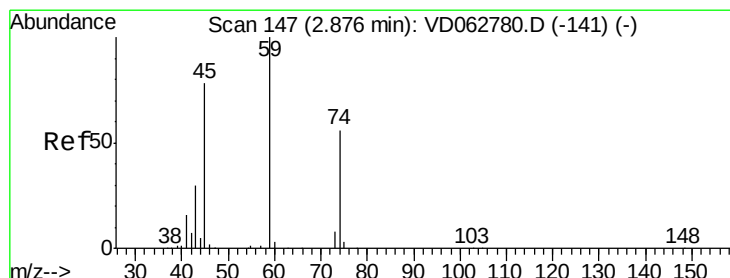
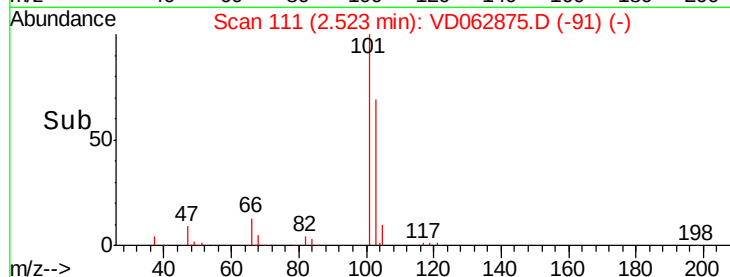
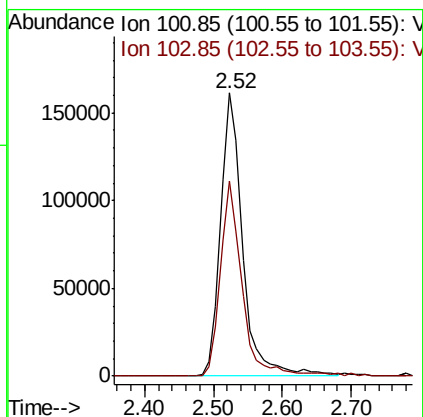
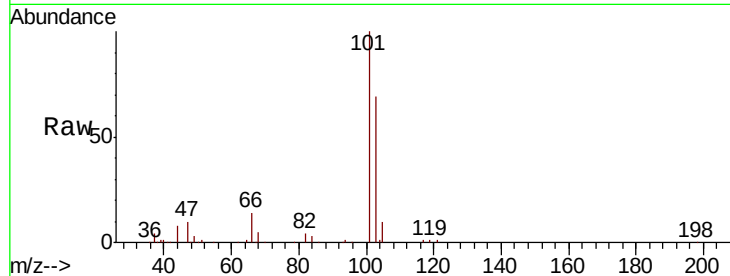


#7

Trichlorofluoromethane
Concen: 18.931 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

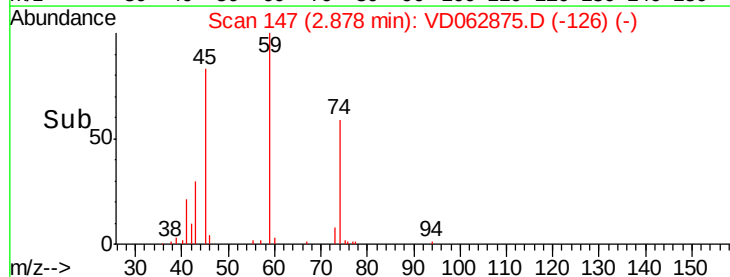
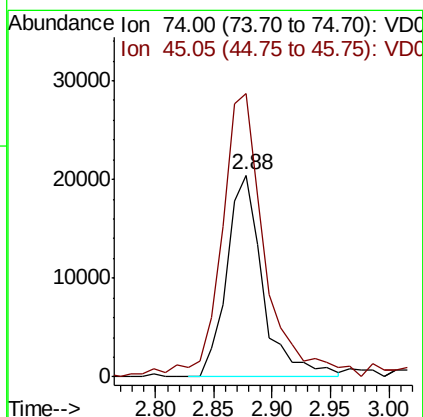
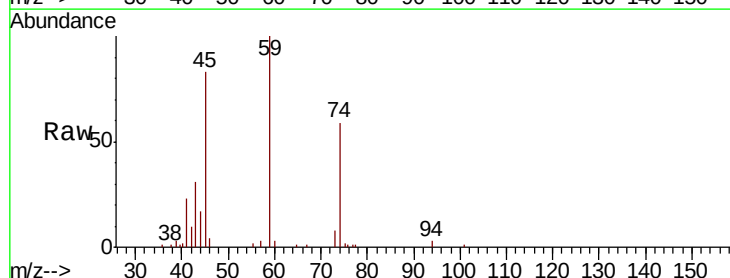
Tot Ion:101 Resp: 360081
Ion Ratio Lower Upper
101 100
103 69.0 51.8 77.8

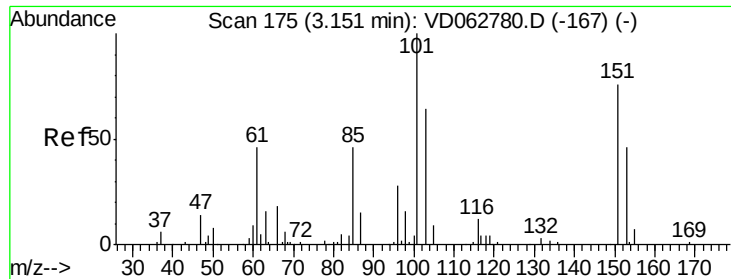


#8

Diethyl Ether
Concen: 18.143 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion: 74 Resp: 43846
Ion Ratio Lower Upper
74 100
45 140.2 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.009 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

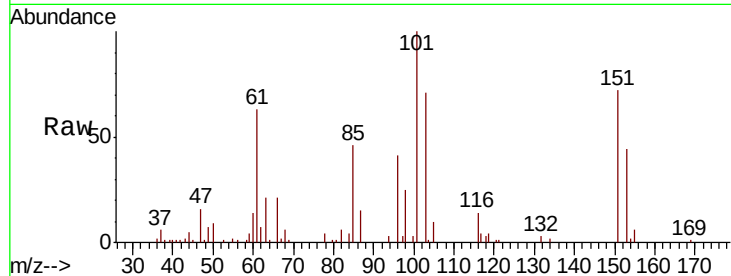
Tot Ion:101 Resp: 195870

Ion Ratio Lower Upper

101 100

85 46.1 37.0 55.4

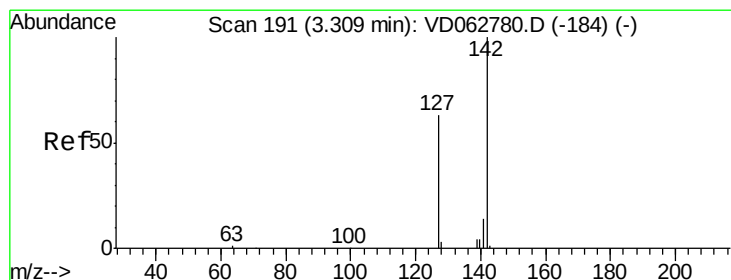
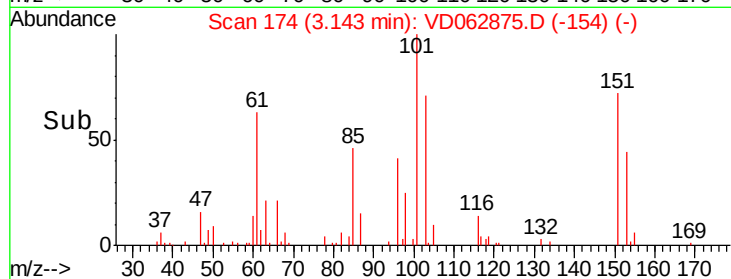
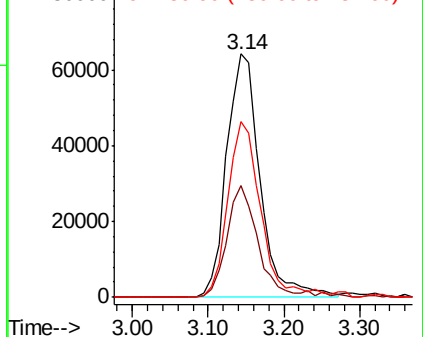
151 72.0 60.5 90.7



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: 17.055 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

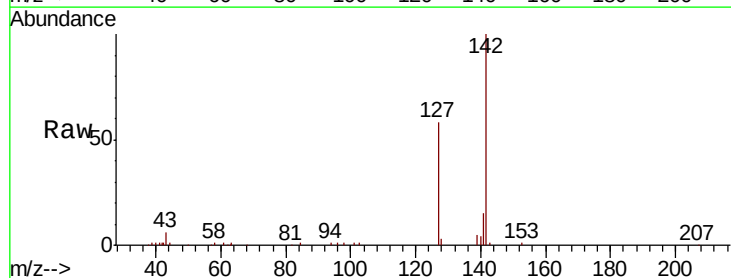
Tgt Ion:142 Resp: 231849

Ion Ratio Lower Upper

142 100

127 57.9 50.1 75.1

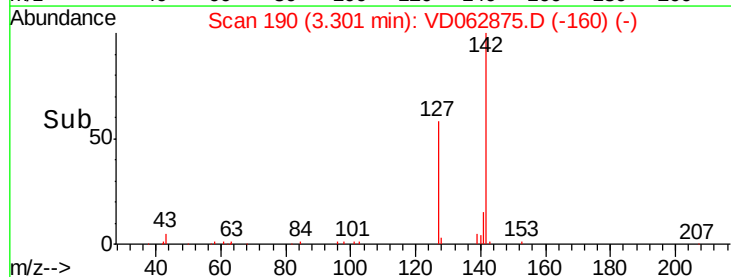
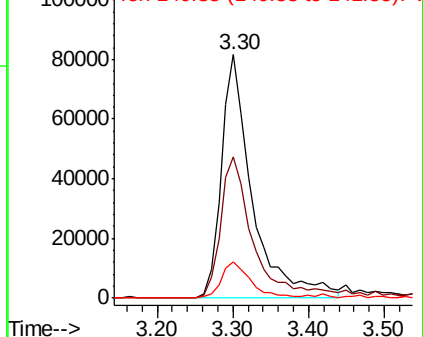
141 15.1 11.0 16.4

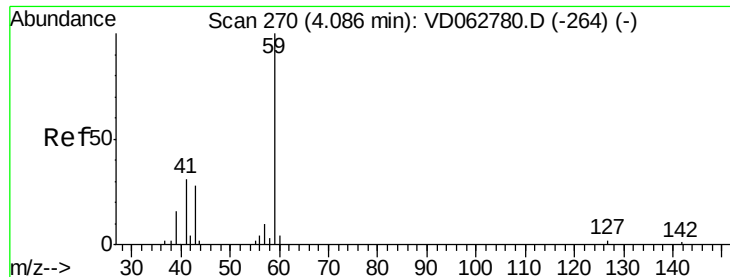


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



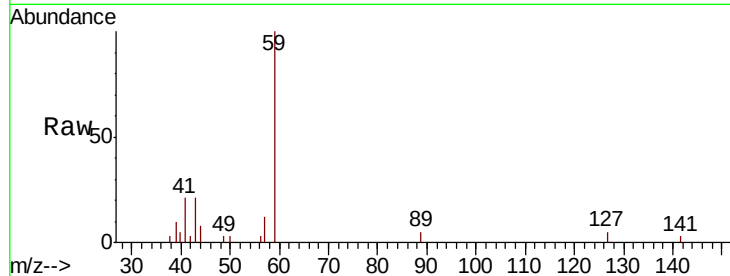


#11

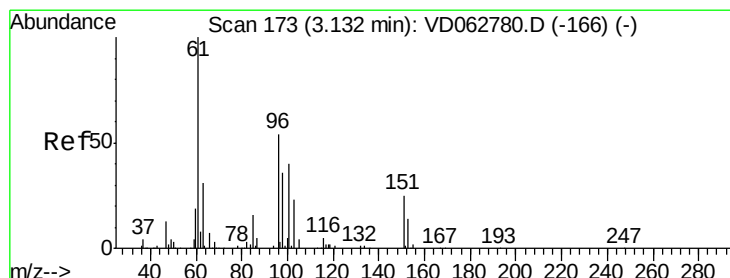
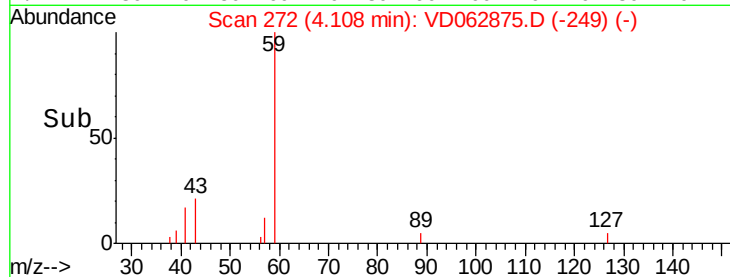
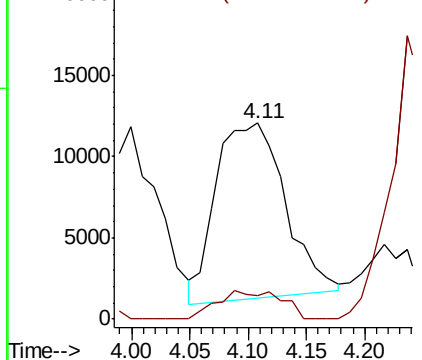
Tert butyl alcohol
Concen: 92.407 ug/l
RT: 4.11 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion: 59 Resp: 44558
Ion Ratio Lower Upper
59 100
57 12.1 6.6 10.0#



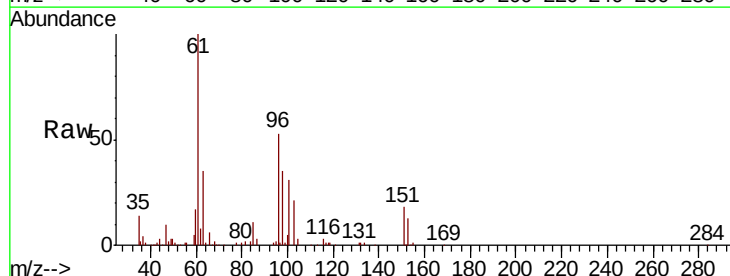
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



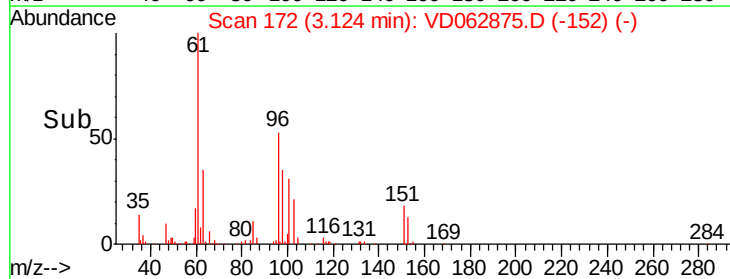
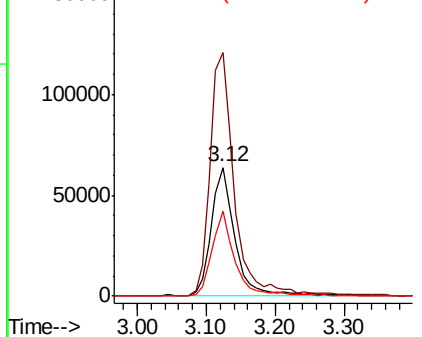
#12

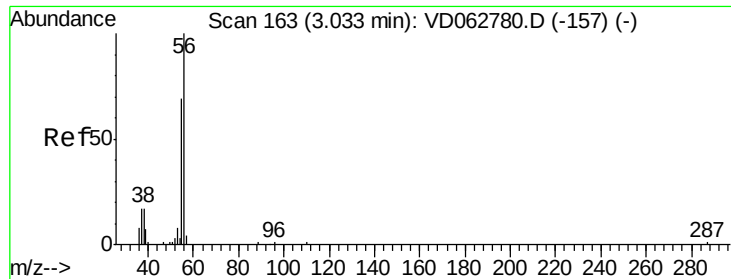
1,1-Dichloroethene
Concen: 19.749 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion: 96 Resp: 152656
Ion Ratio Lower Upper
96 100
61 189.6 147.1 220.7
98 65.6 52.6 79.0



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





#13

Acrolein

Concen: 78.536 ug/l

RT: 3.04 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

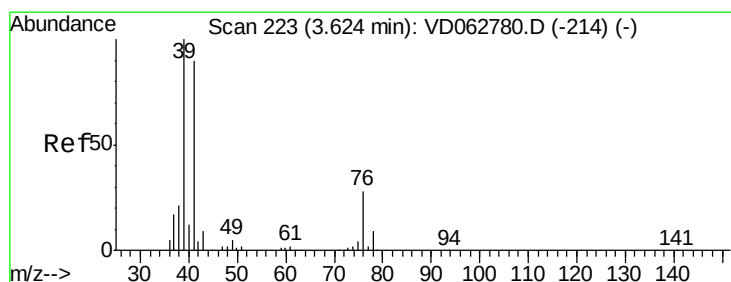
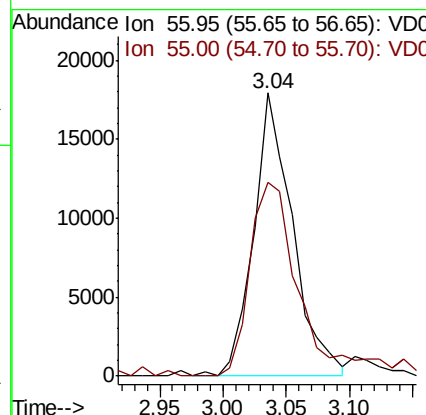
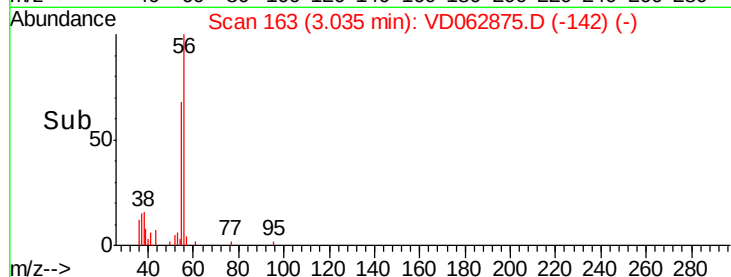
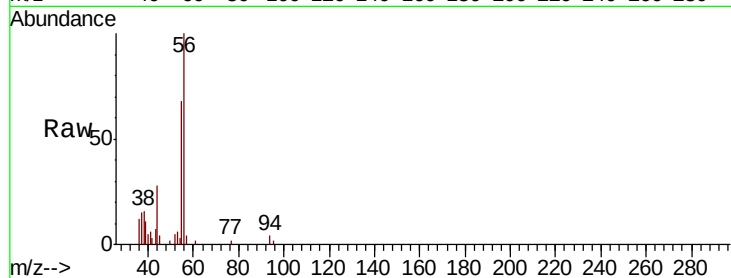
VD0625SBSD01

Tot Ion: 56 Resp: 38660

Ion Ratio Lower Upper

56 100

55 68.5 55.4 83.0



#14

Allyl chloride

Concen: 20.273 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

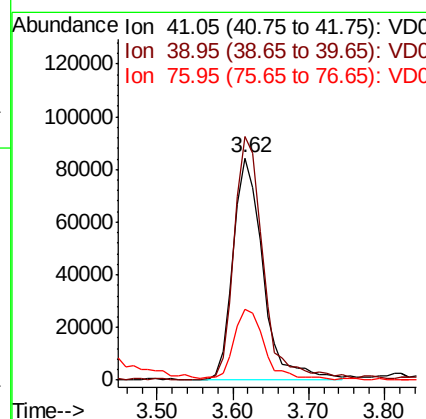
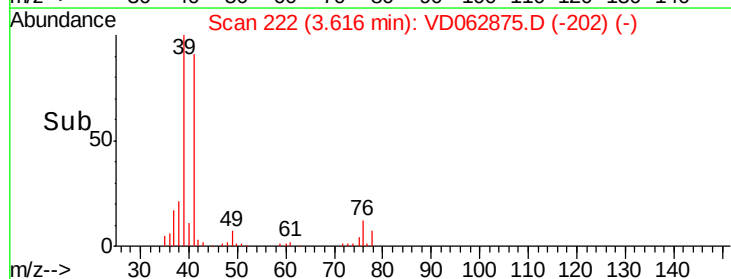
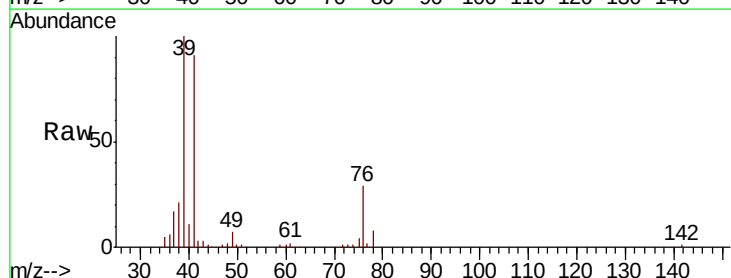
Tgt Ion: 41 Resp: 231552

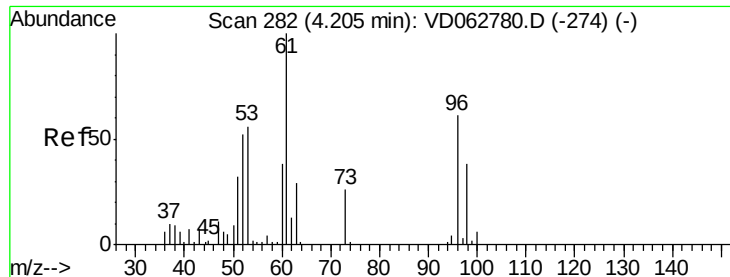
Ion Ratio Lower Upper

41 100

39 109.6 88.8 133.2

76 32.0 26.7 40.1





#15

Acrylonitrile

Concen: 99.197 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

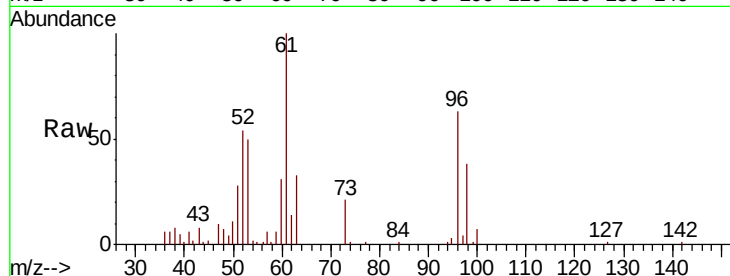
Tot Ion: 53 Resp: 112392

Ion Ratio Lower Upper

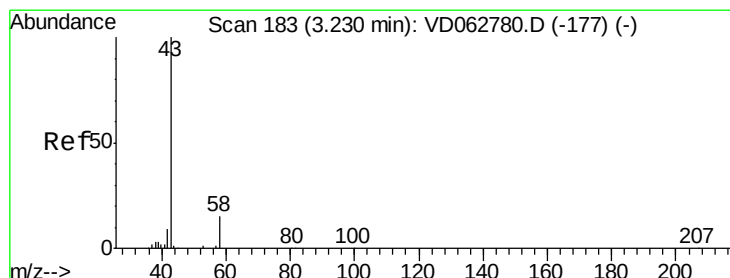
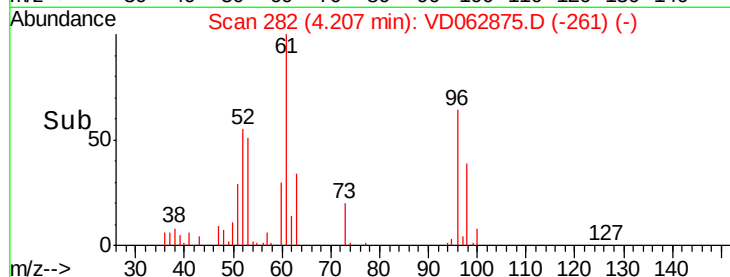
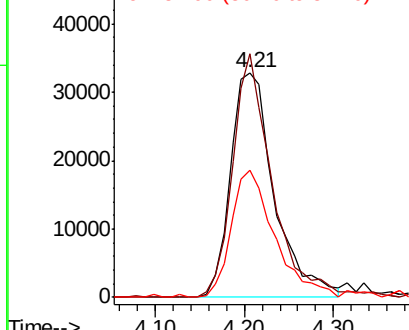
53 100

52 108.2 73.3 109.9

51 56.5 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 89.666 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062875.D

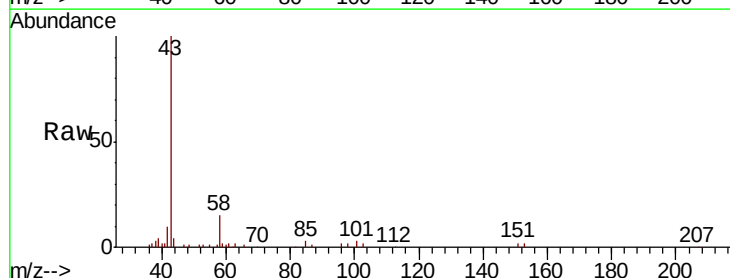
Acq: 25 Jun 2019 13:25

Tgt Ion: 43 Resp: 202145

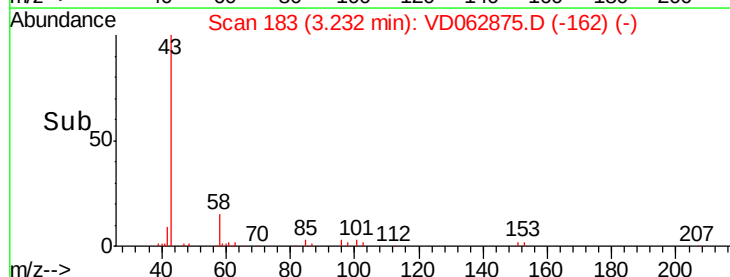
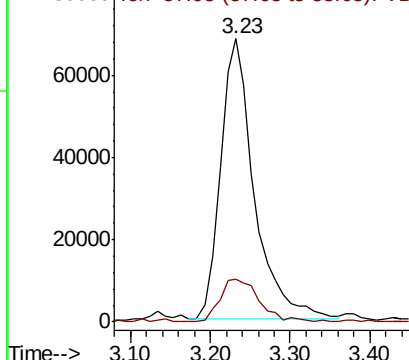
Ion Ratio Lower Upper

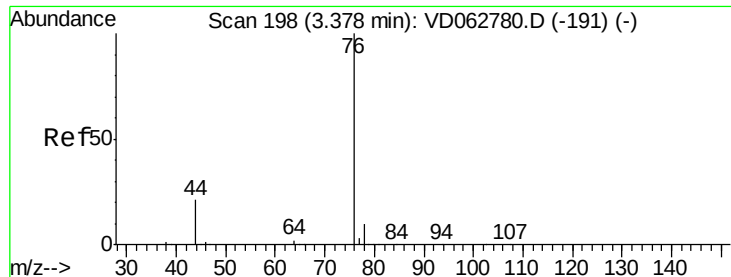
43 100

58 14.9 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.938 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

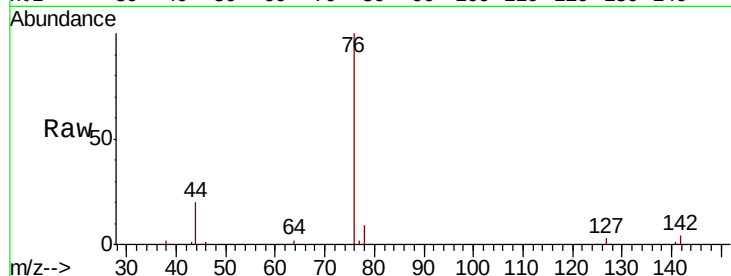
VD0625SBSD01

Tot Ion: 76 Resp: 443161

Ion Ratio Lower Upper

76 100

78 8.6 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

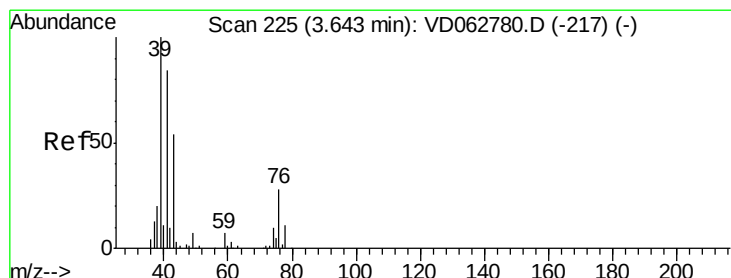
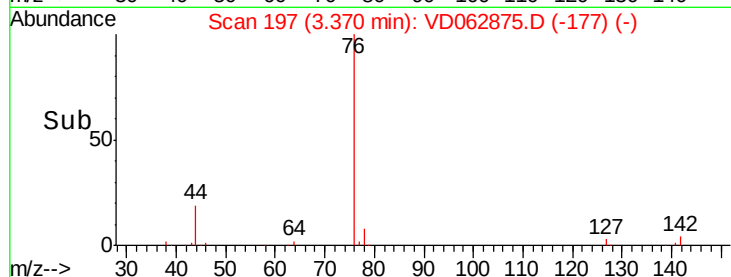
100000

50000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 25.327 ug/l

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062875.D

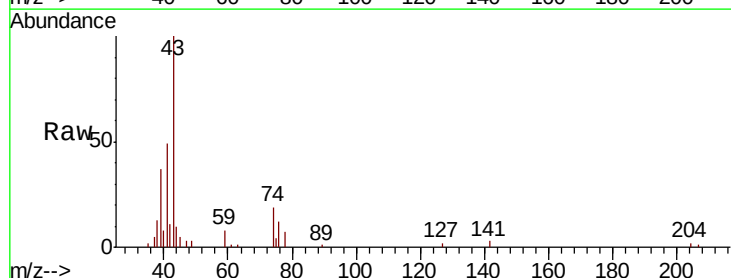
Acq: 25 Jun 2019 13:25

Tgt Ion: 43 Resp: 80947

Ion Ratio Lower Upper

43 100

74 19.1 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

30000

25000

20000

15000

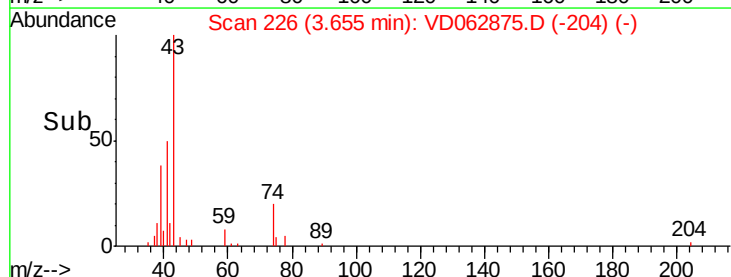
10000

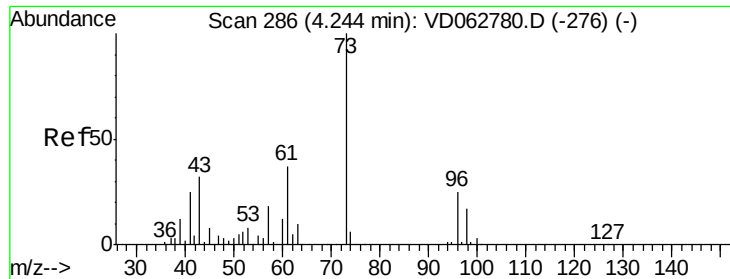
5000

0

3.50 3.60 3.70 3.80

Time-->

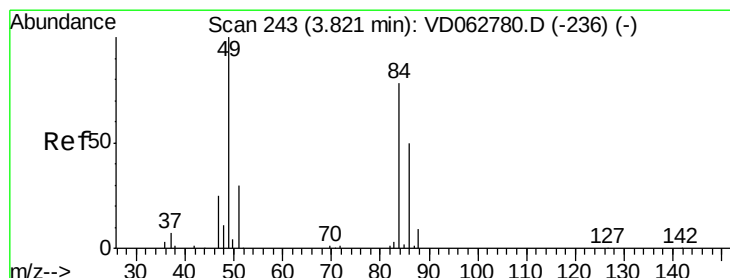
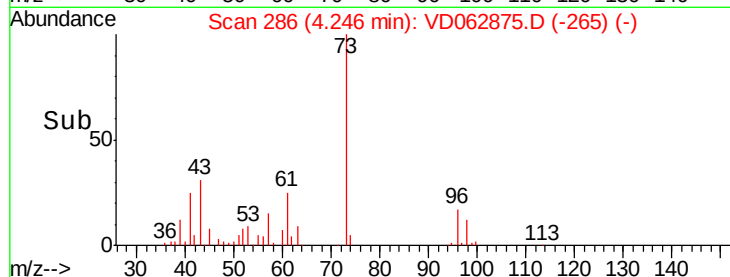
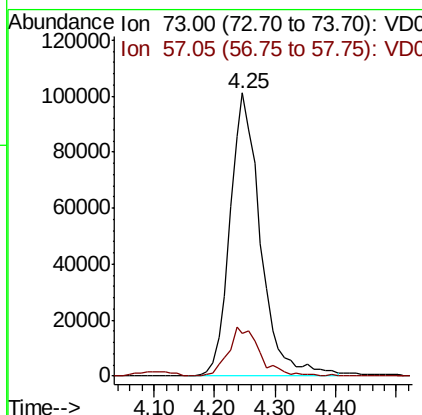
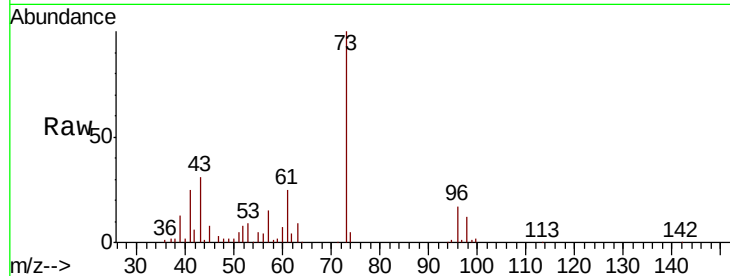




#19
Methyl tert-butyl Ether
Concen: 21.137 ug/l
RT: 4.25 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

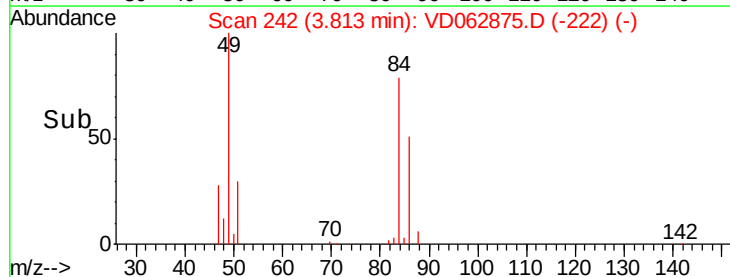
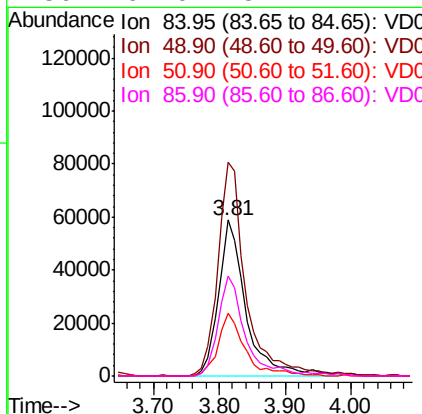
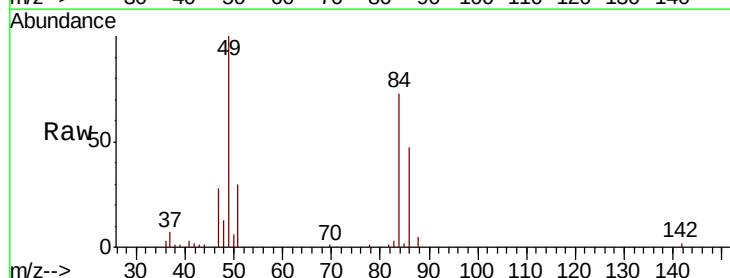
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

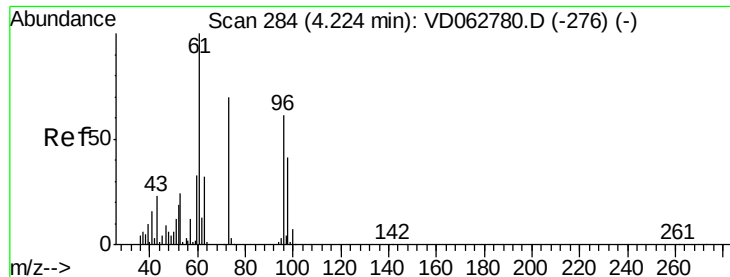
Tot Ion: 73 Resp: 353714
Ion Ratio Lower Upper
73 100
57 15.0 14.3 21.5



#20
Methylene Chloride
Concen: 21.214 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion: 84 Resp: 171291
Ion Ratio Lower Upper
84 100
49 137.1 102.9 154.3
51 40.6 31.2 46.8
86 64.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 18.348 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

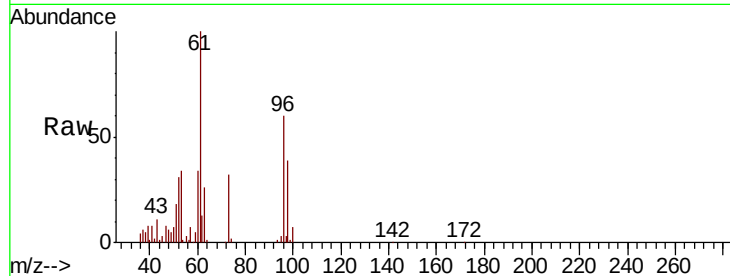
Tot Ion: 96 Resp: 151017

Ion Ratio Lower Upper

96 100

61 165.6 131.0 196.4

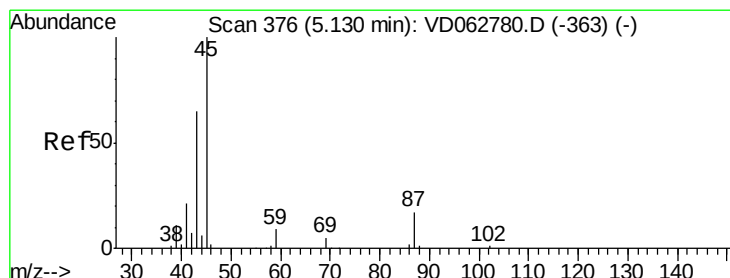
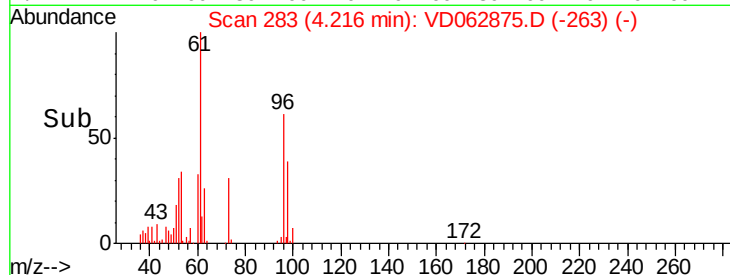
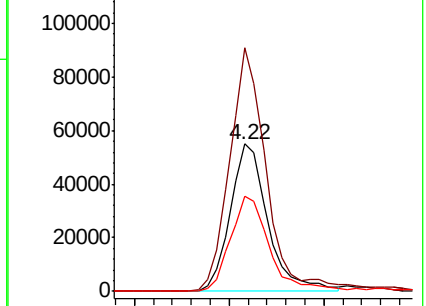
98 64.8 53.2 79.8



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: 20.074 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Tgt Ion: 45 Resp: 466286

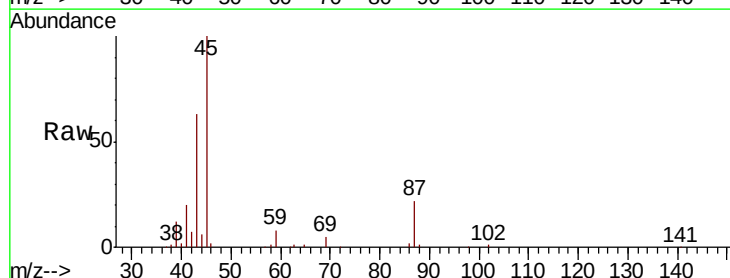
Ion Ratio Lower Upper

45 100

43 62.6 53.4 80.0

87 21.8 14.6 22.0

59 7.7 7.8 11.8#

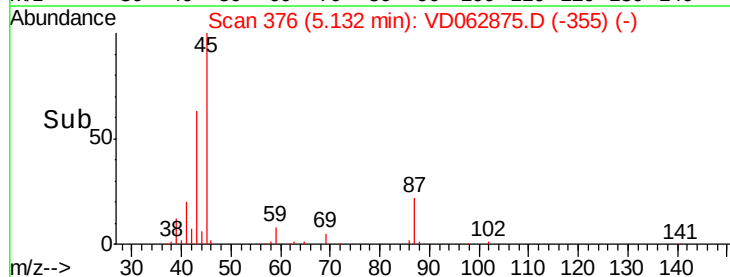
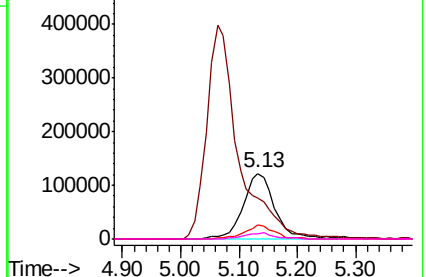


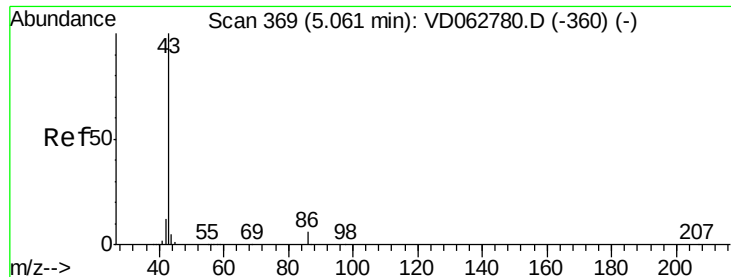
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 103.875 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

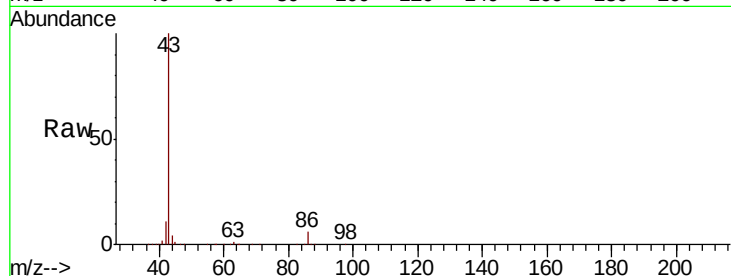
VD0625SBSD01

Tot Ion: 43 Resp: 1509804

Ion Ratio Lower Upper

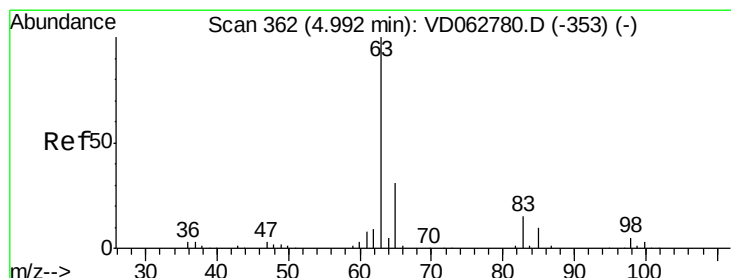
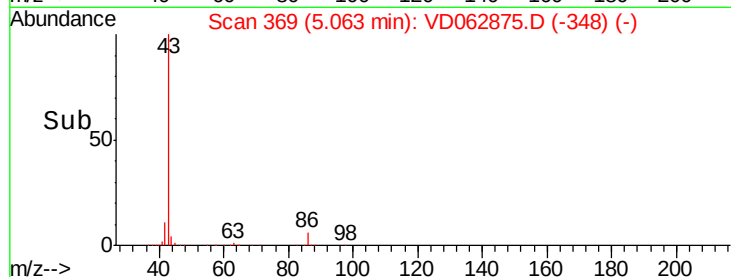
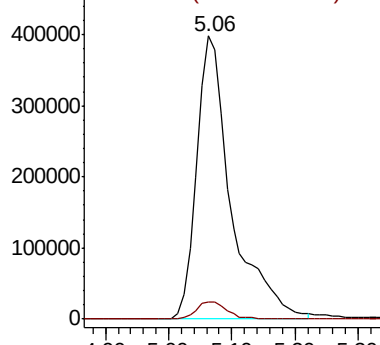
43 100

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



#24

1,1-Dichloroethane

Concen: 19.766 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

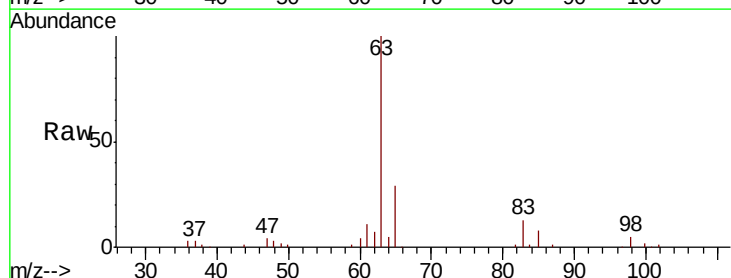
Tgt Ion: 63 Resp: 298927

Ion Ratio Lower Upper

63 100

98 5.3 2.3 6.9

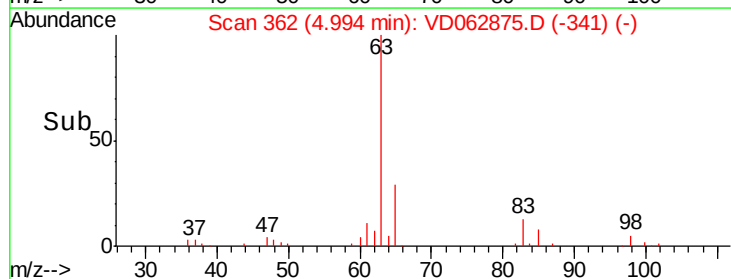
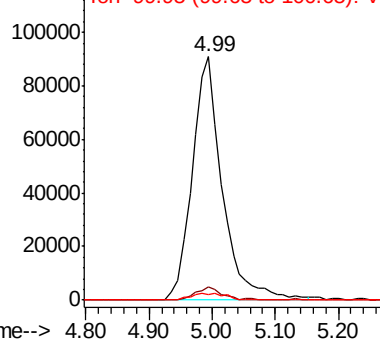
100 2.8 1.7 5.1

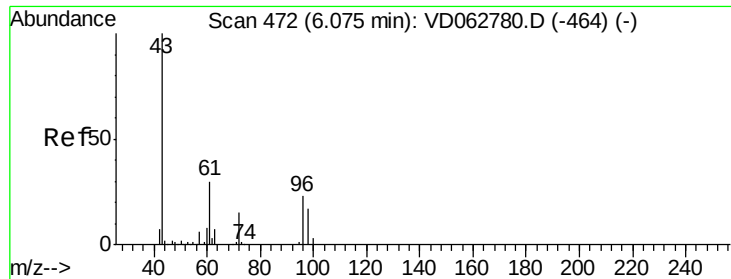


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 107.984 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

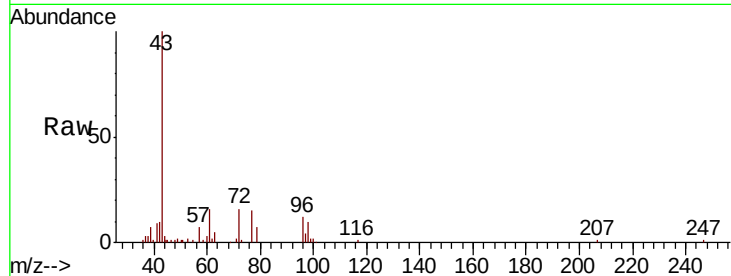
VD0625SBS01

Tot Ion: 43 Resp: 213822

Ion Ratio Lower Upper

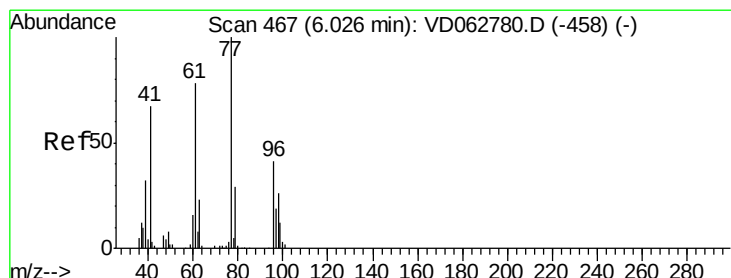
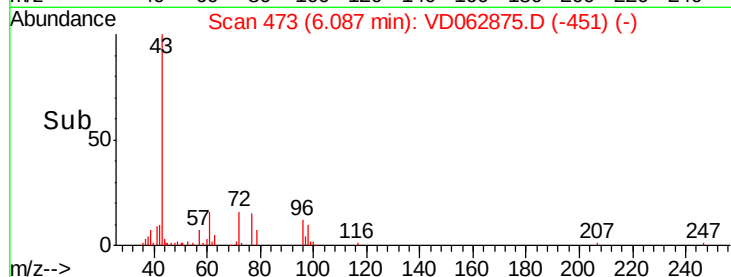
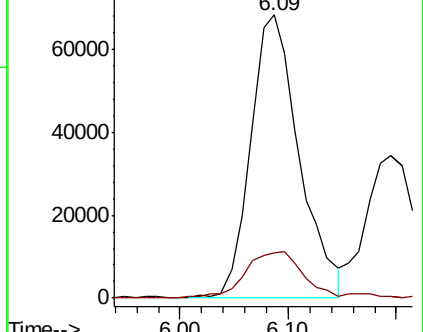
43 100

72 16.1 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: 20.162 ug/l

RT: 6.04 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062875.D

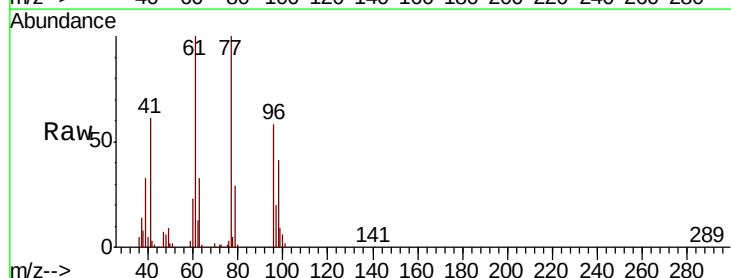
Acq: 25 Jun 2019 13:25

Tgt Ion: 77 Resp: 323198

Ion Ratio Lower Upper

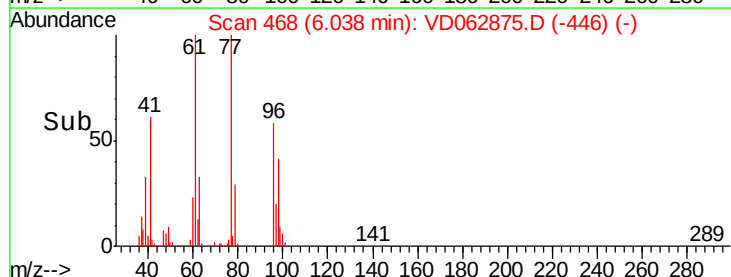
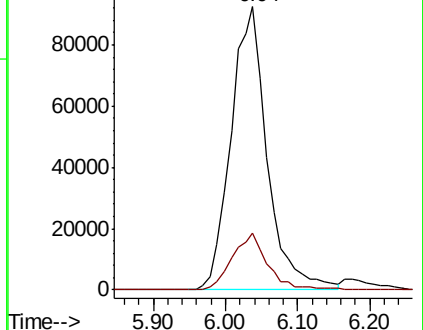
77 100

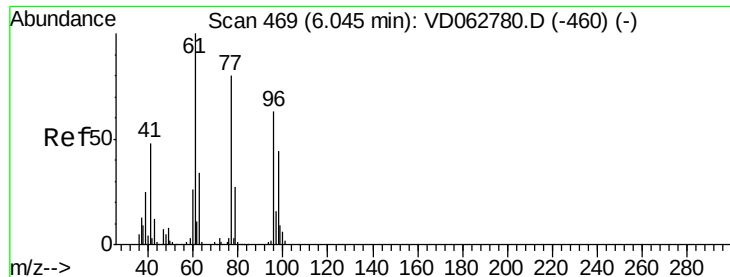
97 20.2 9.5 28.5



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: 19.464 ug/l

RT: 6.04 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

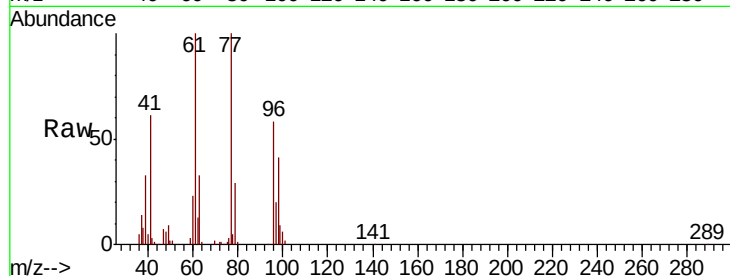
Tot Ion: 96 Resp: 169415

Ion Ratio Lower Upper

96 100

61 171.9 0.0 316.0

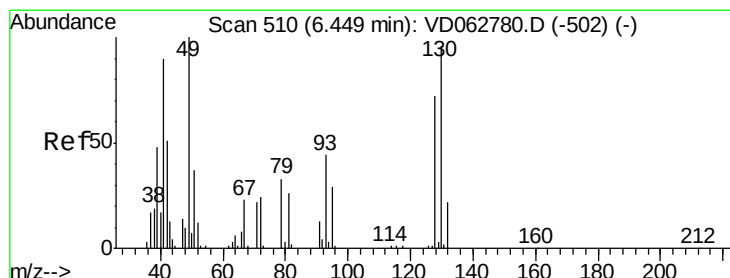
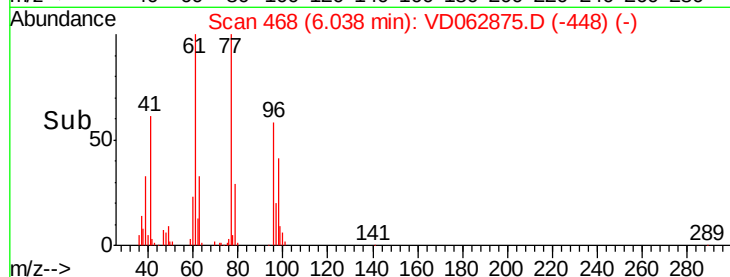
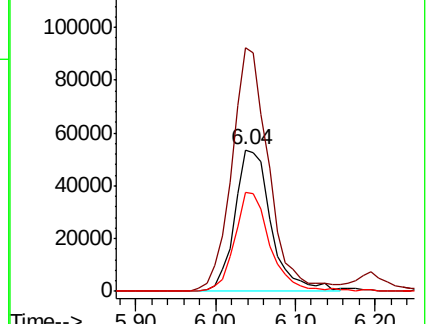
98 69.8 0.0 138.4



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: 22.561 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

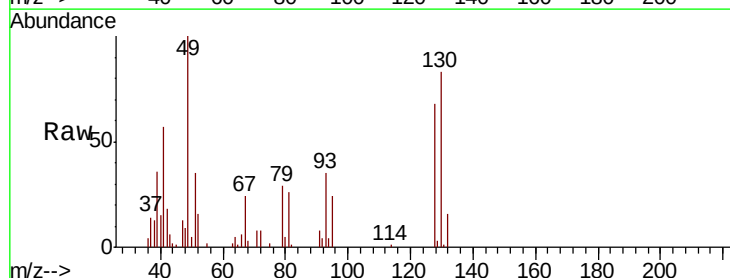
Tgt Ion: 49 Resp: 120169

Ion Ratio Lower Upper

49 100

129 2.8 0.0 5.6

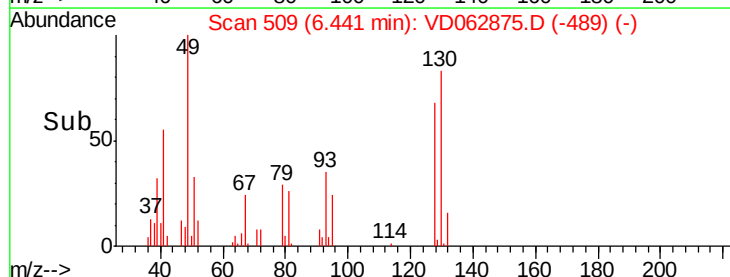
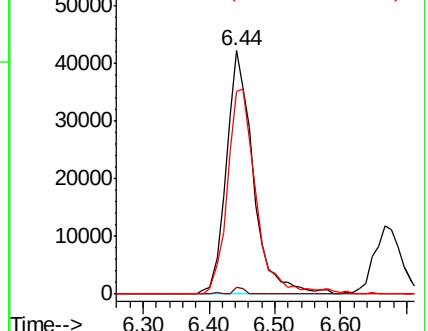
130 83.5 76.6 114.8

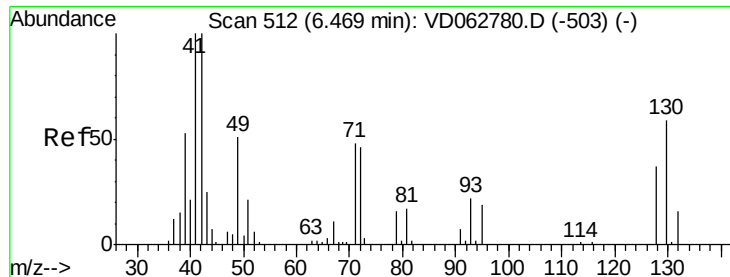


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 111.516 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

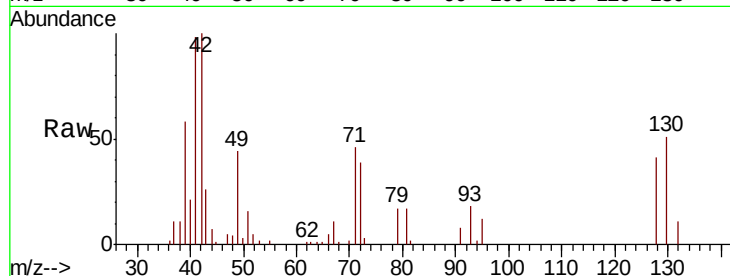
Tot Ion: 42 Resp: 104477

Ion Ratio Lower Upper

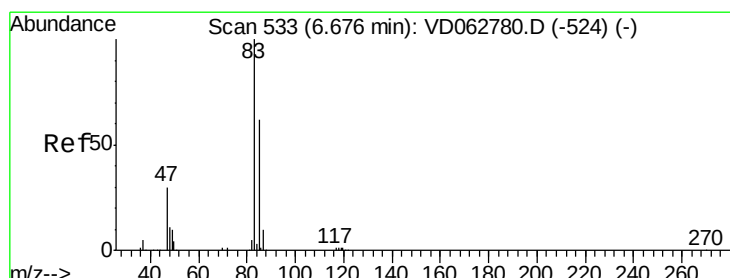
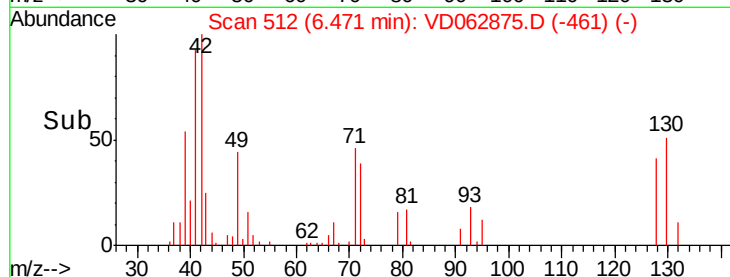
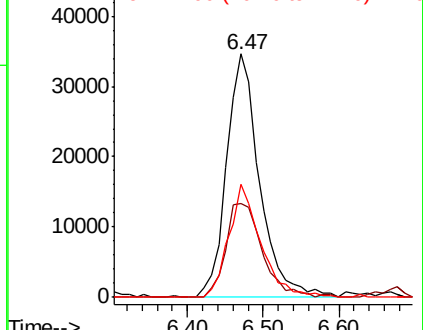
42 100

72 42.3 35.0 52.6

71 44.8 33.3 49.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.290 ug/l

RT: 6.68 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD062875.D

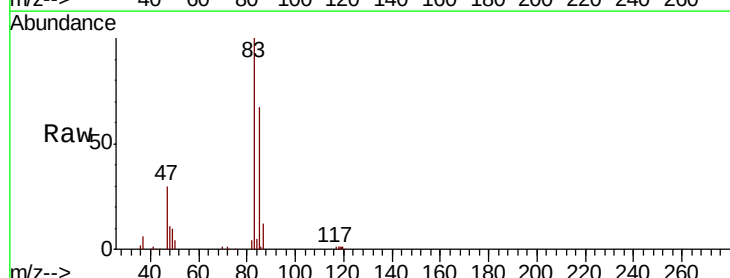
Acq: 25 Jun 2019 13:25

Tgt Ion: 83 Resp: 354789

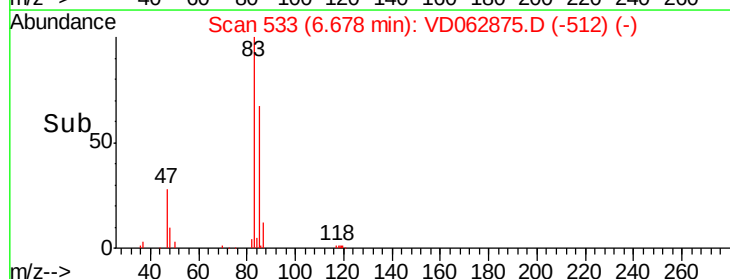
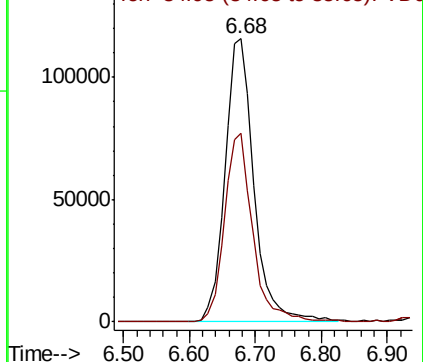
Ion Ratio Lower Upper

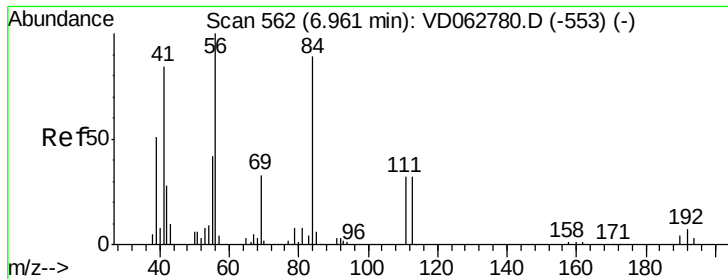
83 100

85 66.5 49.8 74.6



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

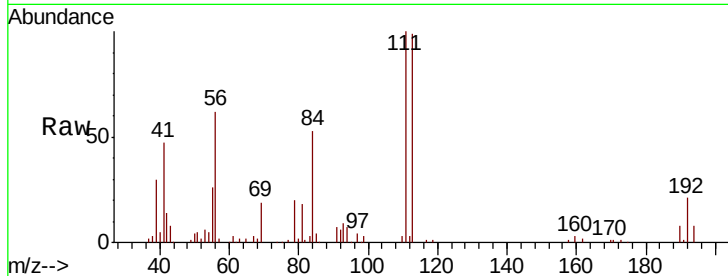




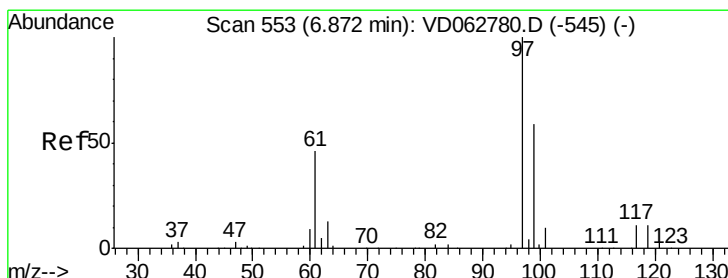
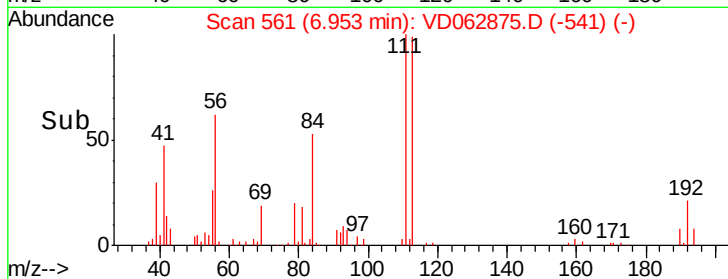
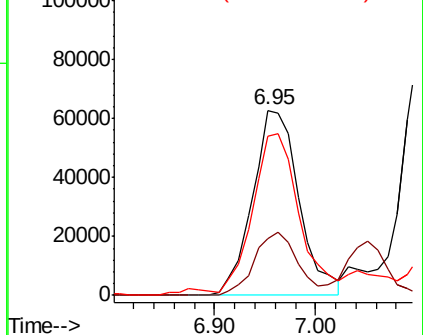
#31
Cyclohexane
Concen: 20.272 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion: 56 Resp: 201545
Ion Ratio Lower Upper
56 100
69 30.5 26.6 39.8
84 86.0 75.5 113.3

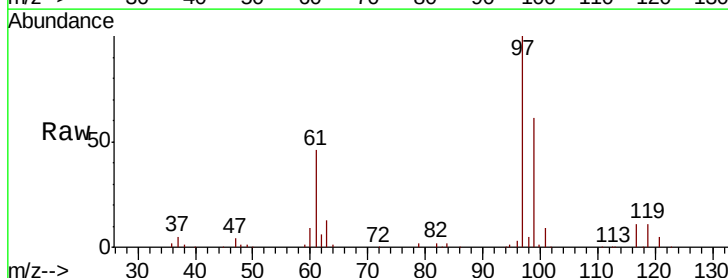


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

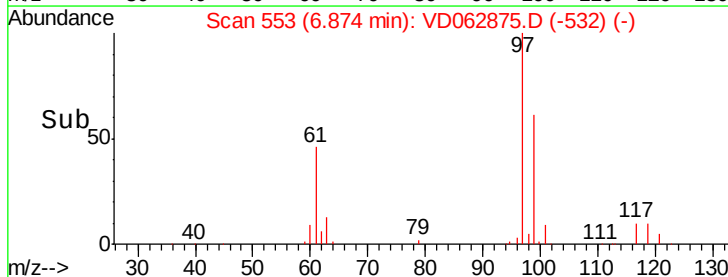
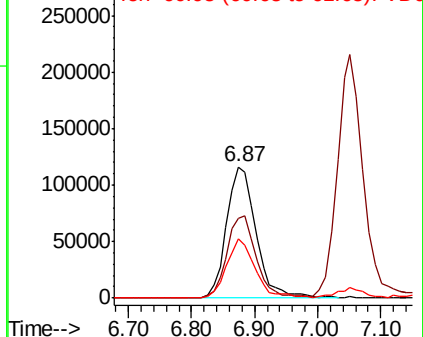


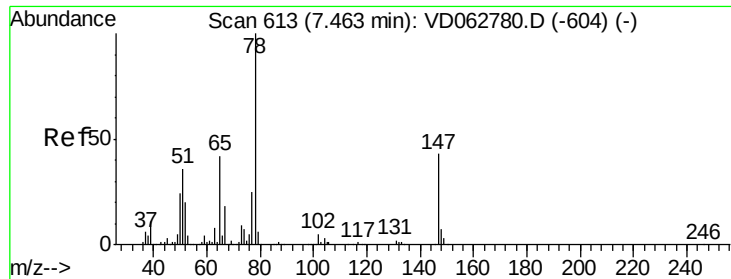
#32
1,1,1-Trichloroethane
Concen: 19.635 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion: 97 Resp: 376142
Ion Ratio Lower Upper
97 100
99 61.1 47.4 71.2
61 45.6 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

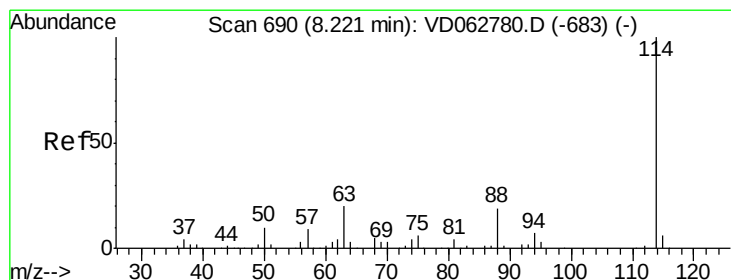
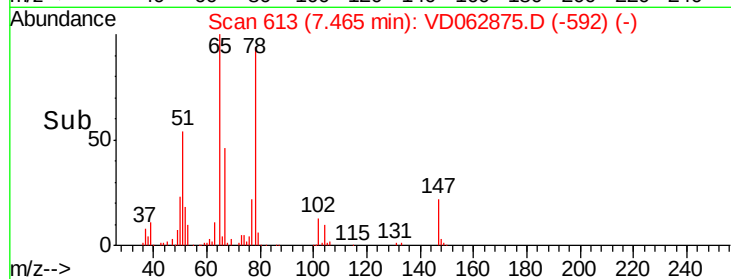
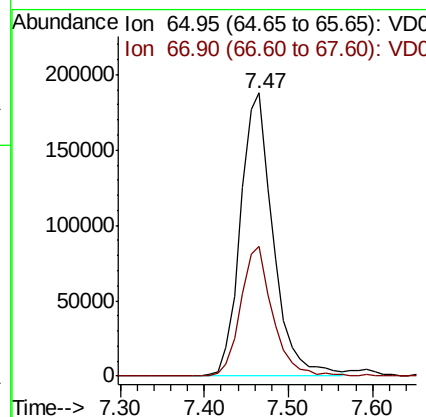
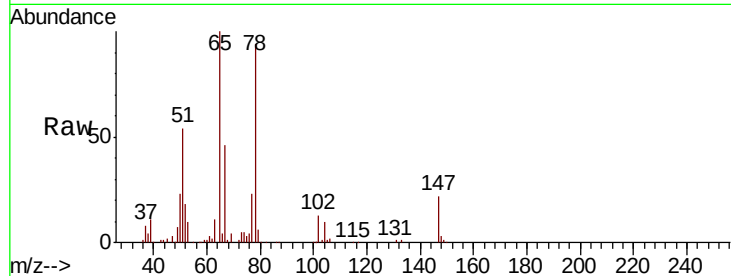




#33
 1,2-Dichloroethane-d4
 Concen: 48.092 ug/l
 RT: 7.47 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

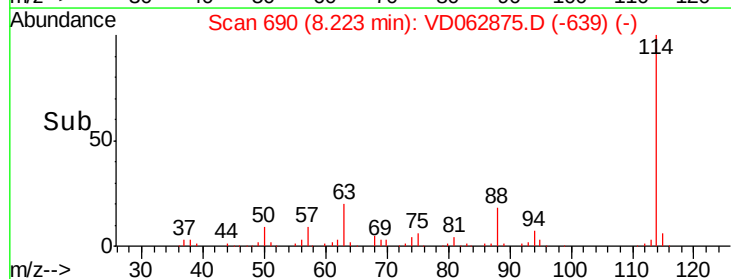
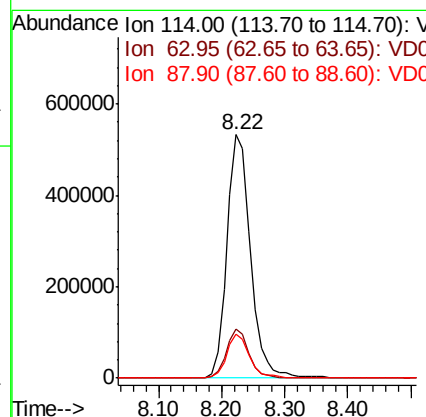
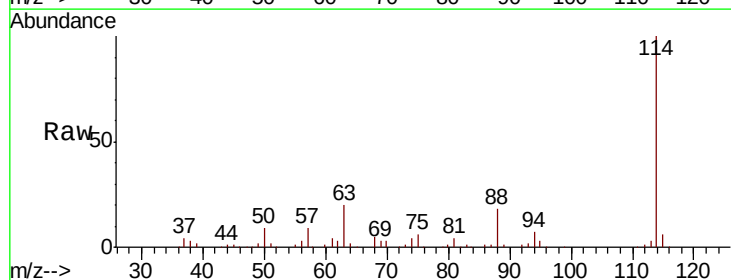
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

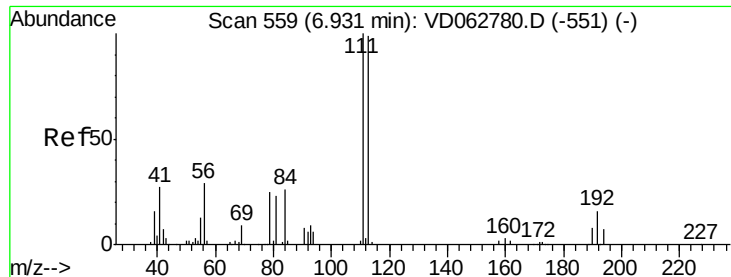
Tot Ion: 65 Resp: 509164
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Tgt Ion: 114 Resp: 1384905
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 18.3 0.0 38.8

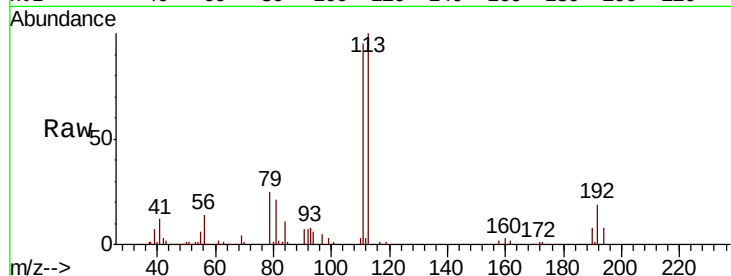




#35
 Dibromofluoromethane
 Concen: 46.476 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	94.6	81.2	121.8
192	19.0	12.9	19.3

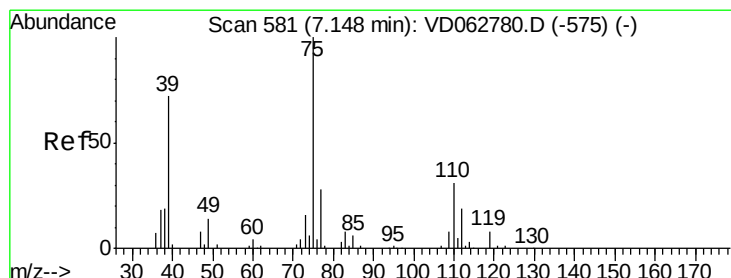
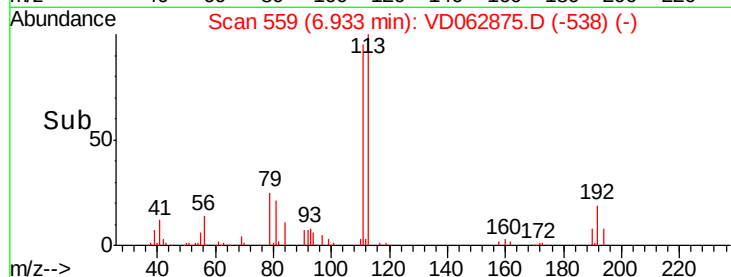
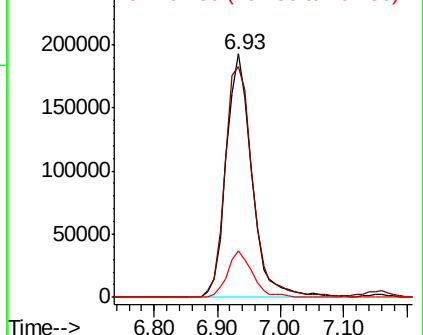


Abundance

Ion 112.90 (112.60 to 113.60): V

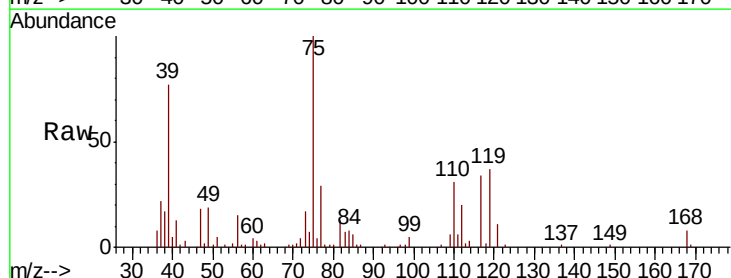
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36
 1,1-Dichloropropene
 Concen: 18.421 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.6	15.0	45.1
77	29.5	22.2	33.2

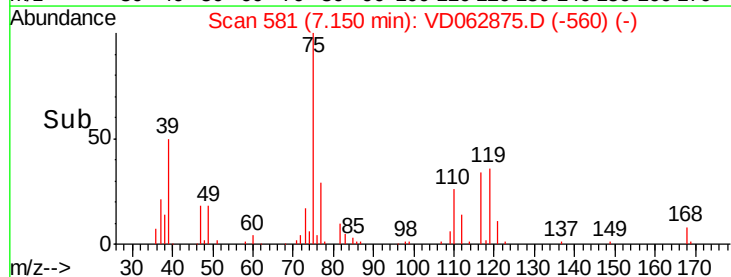
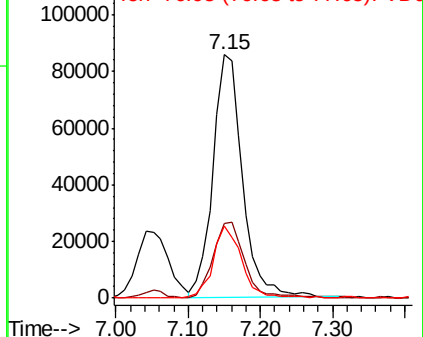


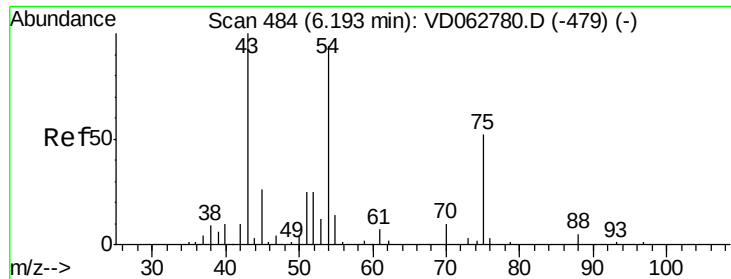
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 19.927 ug/l

RT: 6.20 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

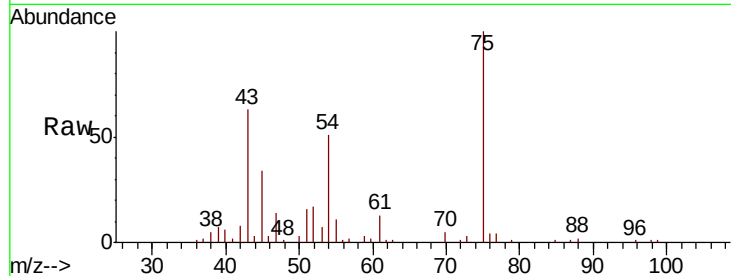
Tot Ion: 43 Resp: 113390

Ion Ratio Lower Upper

43 100

61 21.0 11.6 17.4#

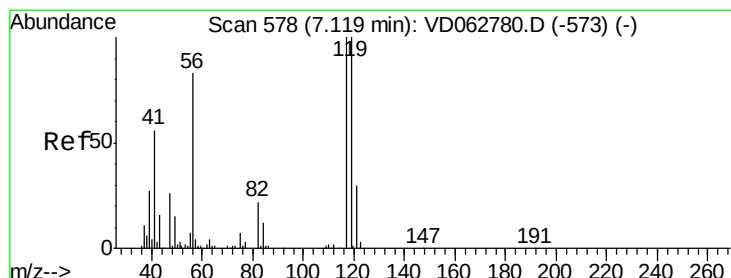
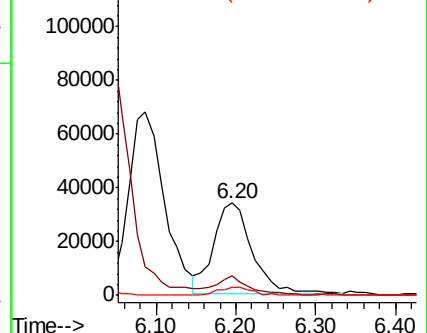
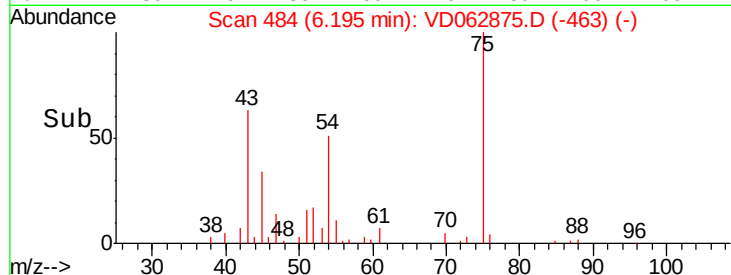
70 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062875.D (-463) (-)

Ion 60.95 (60.65 to 61.65): VD062875.D (-463) (-)

Ion 70.00 (69.70 to 70.70): VD062875.D (-463) (-)



#38

Carbon Tetrachloride

Concen: 17.475 ug/l

RT: 7.11 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

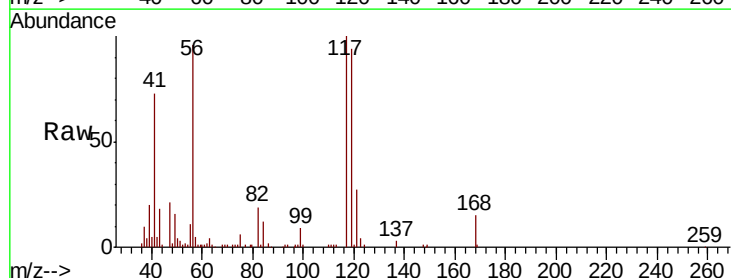
Tgt Ion: 117 Resp: 344558

Ion Ratio Lower Upper

117 100

119 93.6 75.4 113.2

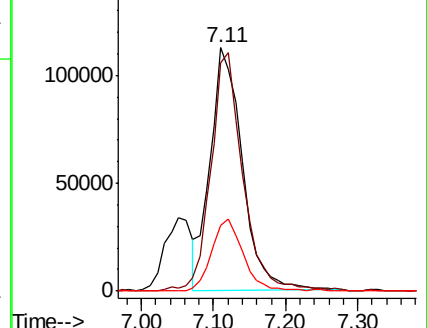
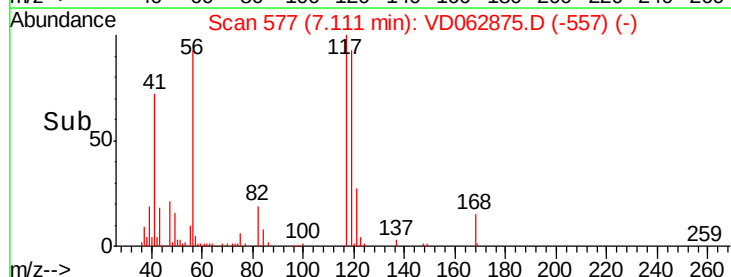
121 27.2 22.3 33.5

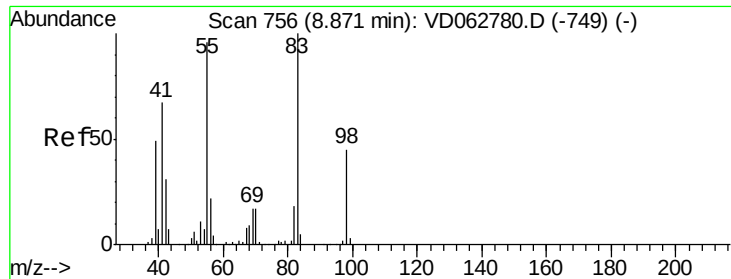


Abundance Ion 116.85 (116.55 to 117.55): VD062875.D (-557) (-)

Ion 118.85 (118.55 to 119.55): VD062875.D (-557) (-)

Ion 120.85 (120.55 to 121.55): VD062875.D (-557) (-)

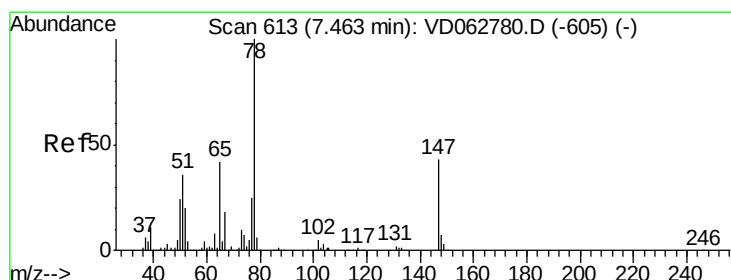
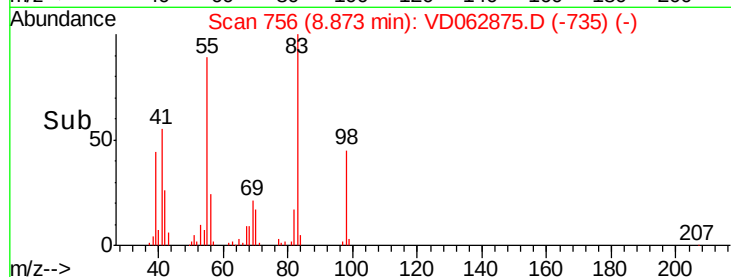
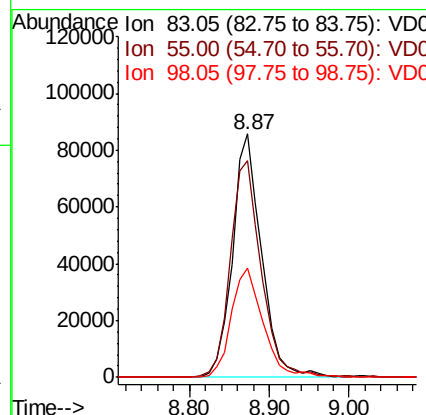
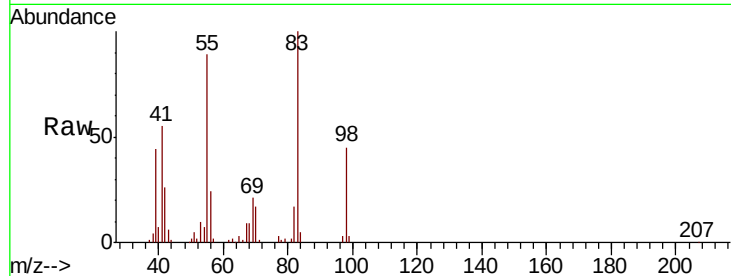




#39
Methylvlcyclohexane
Concen: 18.896 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

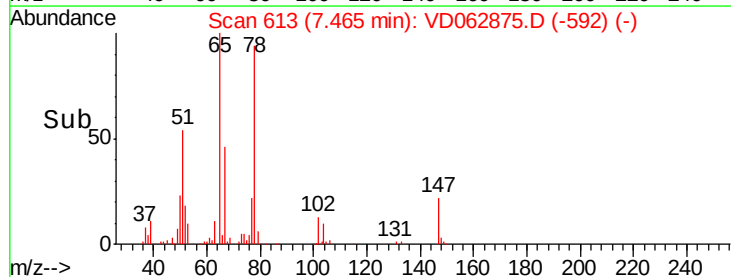
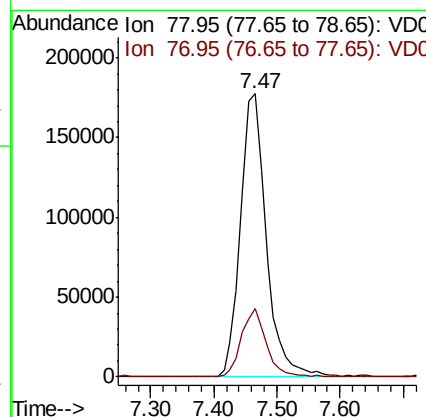
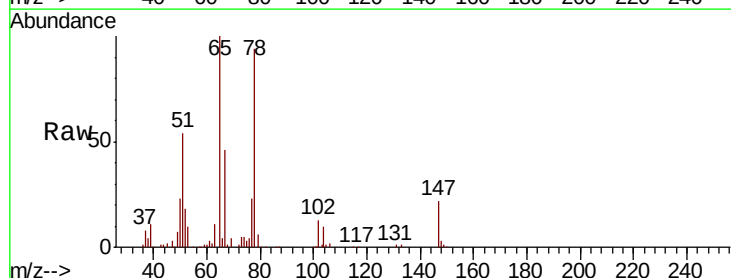
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

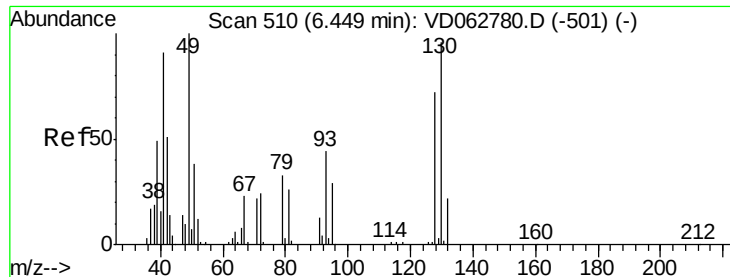
Tot Ion: 83 Resp: 218059
Ion Ratio Lower Upper
83 100
55 89.2 76.6 115.0
98 45.1 35.7 53.5



#40
Benzene
Concen: 19.098 ug/l
RT: 7.47 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion: 78 Resp: 502594
Ion Ratio Lower Upper
78 100
77 24.0 20.2 30.2





#41

Methacrylonitrile

Concen: 19.302 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

Tot Ion: 41 Resp: 133447

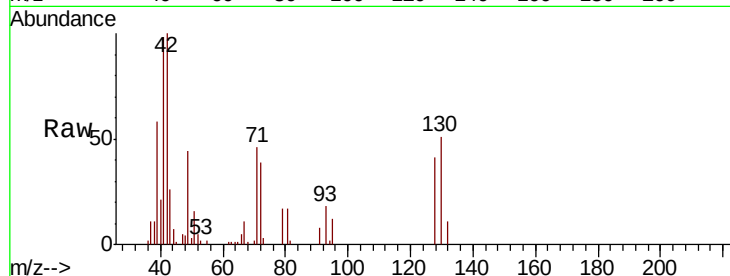
Ion Ratio Lower Upper

41 100

39 58.9 43.2 64.8

67 10.9 19.9 29.9#

52 5.2 10.2 15.4#

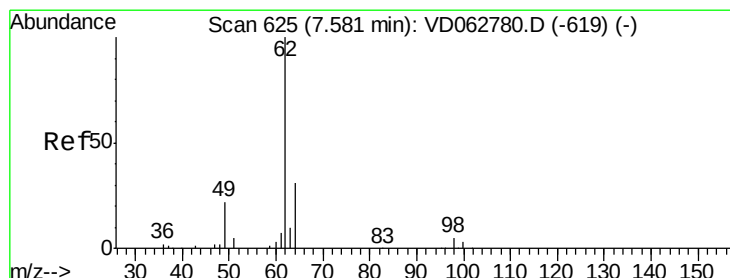
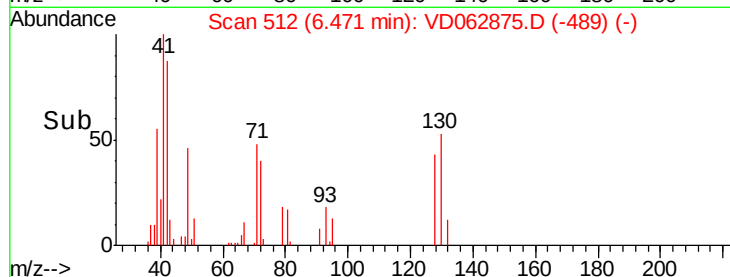
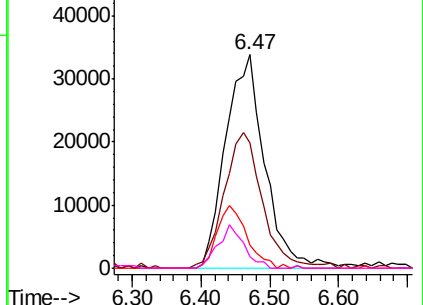


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.789 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD062875.D

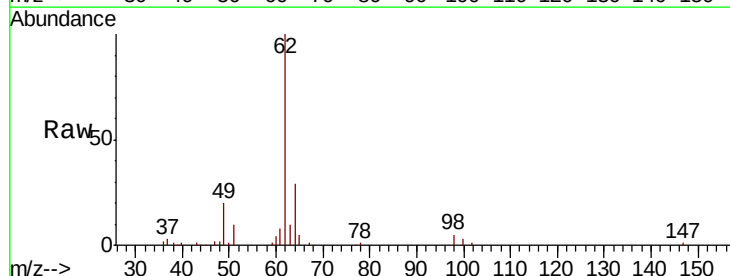
Acq: 25 Jun 2019 13:25

Tgt Ion: 62 Resp: 269733

Ion Ratio Lower Upper

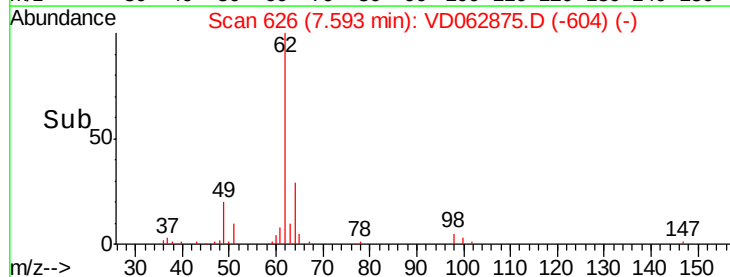
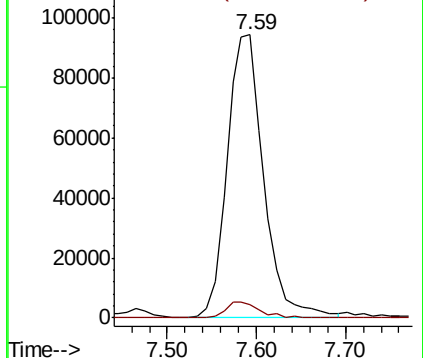
62 100

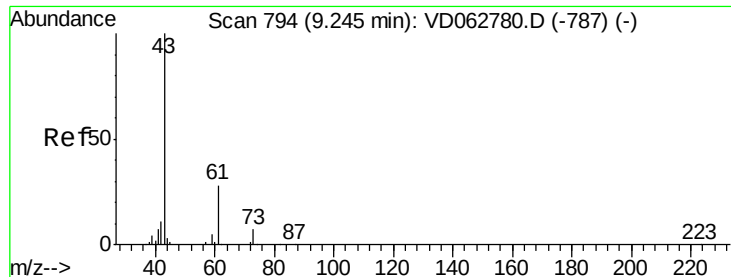
98 4.6 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



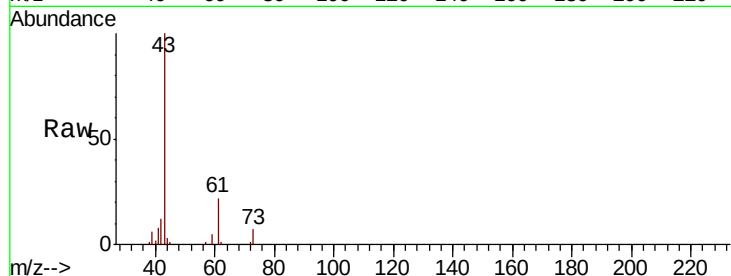


#43

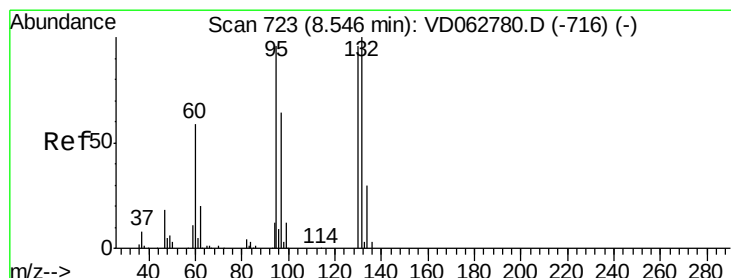
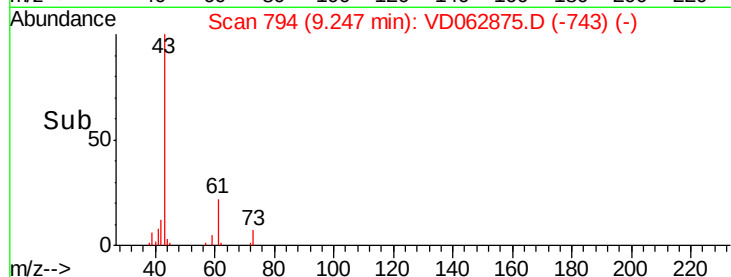
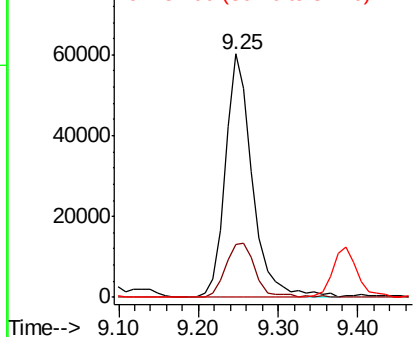
Isopropyl Acetate
 Concen: 20.861 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

Tot Ion	43	Resp	143380
Ion Ratio	Lower	Upper	
43	100		
61	22.0	22.4	33.6#
87	0.0	0.3	0.5#



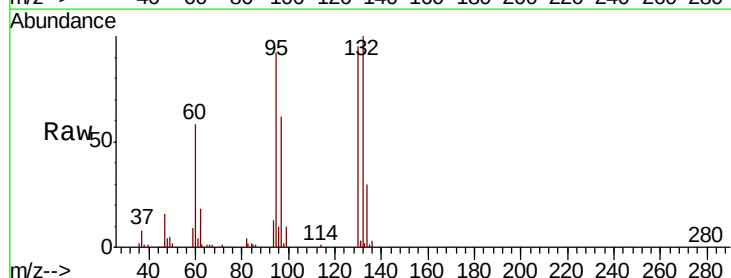
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



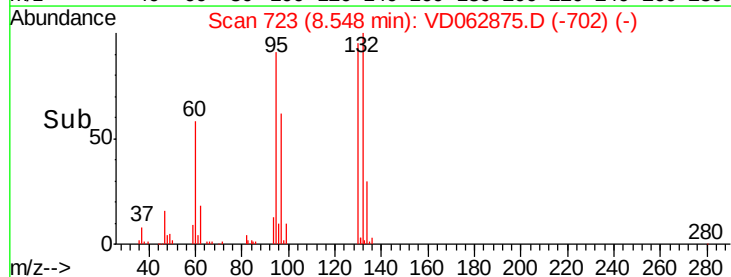
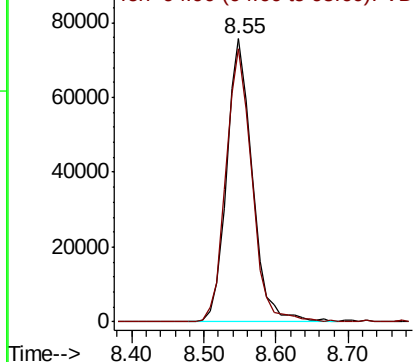
#44

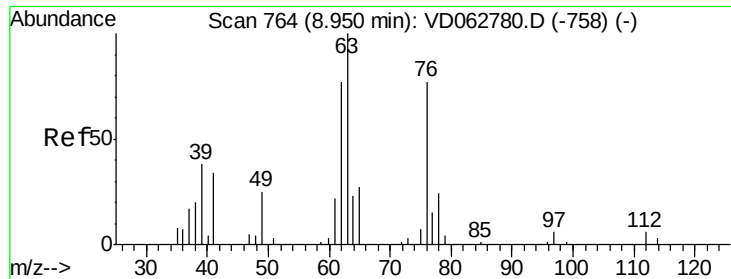
Trichloroethene
 Concen: 18.101 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Tgt Ion	130	Resp	186744
Ion Ratio	Lower	Upper	
130	100		
95	96.3	0.0	201.6



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

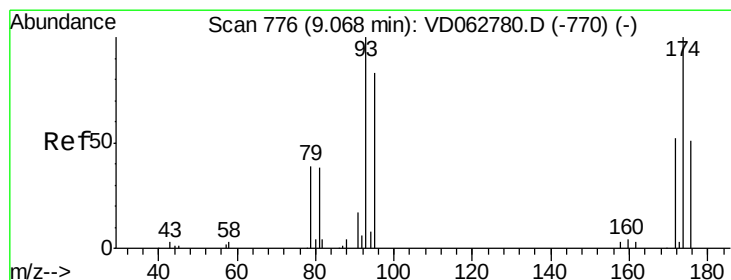
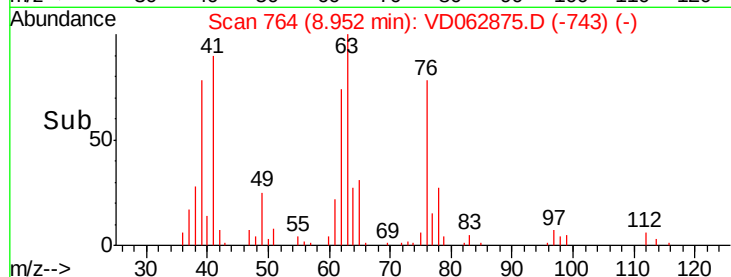
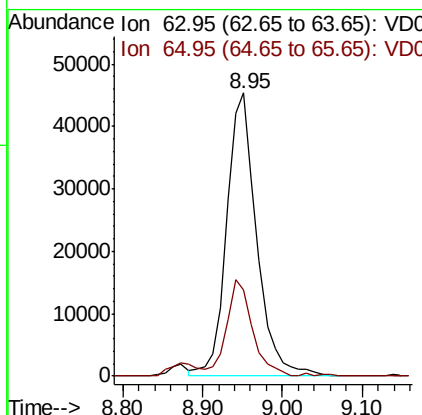
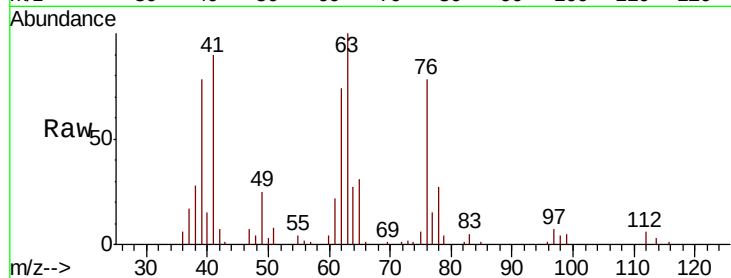




#45
 1,2-Dichloropropane
 Concen: 18.242 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

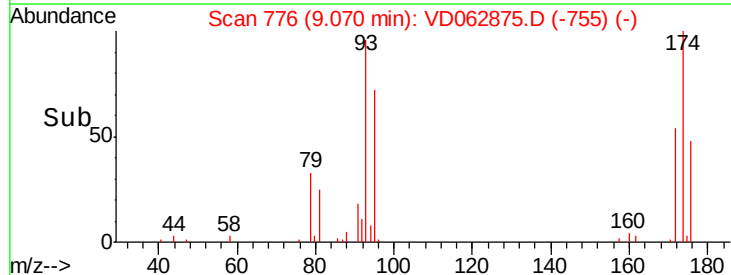
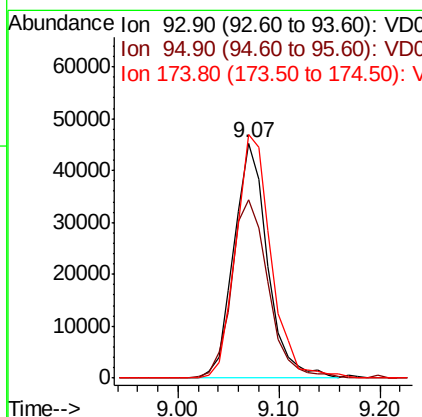
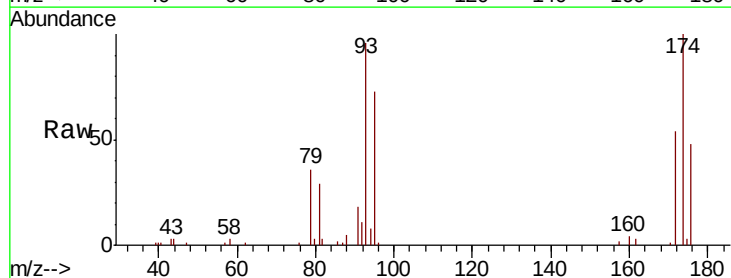
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

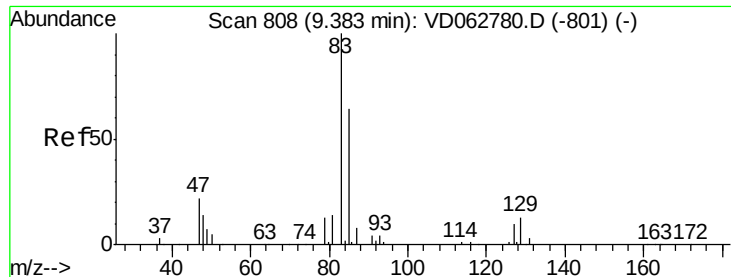
Tot Ion: 63 Resp: 119372
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.2 36.2



#46
 Dibromomethane
 Concen: 18.734 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Tgt Ion: 93 Resp: 105306
 Ion Ratio Lower Upper
 93 100
 95 76.0 66.6 100.0
 174 103.8 79.7 119.5





#47

Bromodichloromethane

Concen: 18.532 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

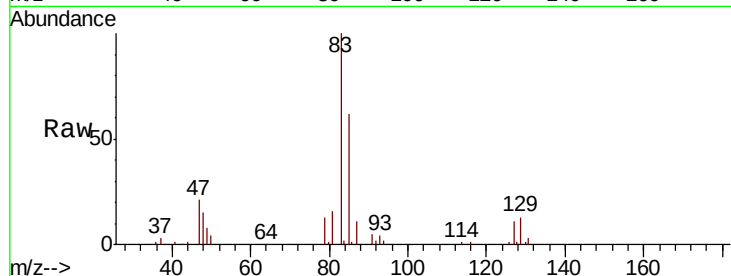
Tot Ion: 83 Resp: 270541

Ion Ratio Lower Upper

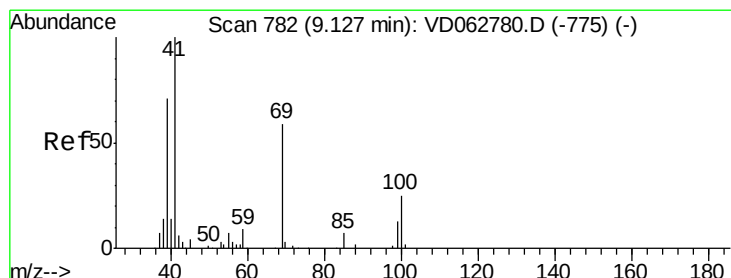
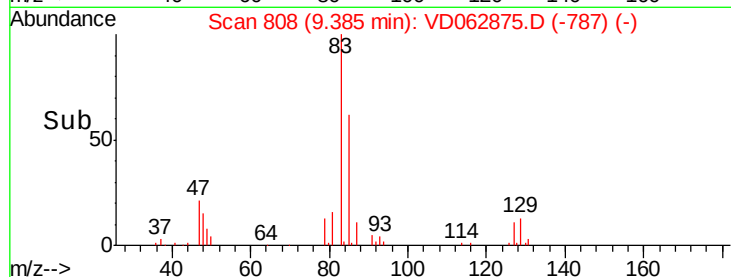
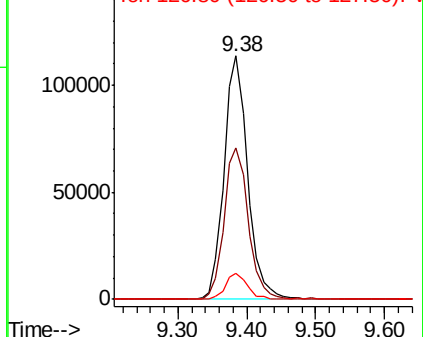
83 100

85 62.4 51.6 77.4

127 10.7 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: 19.748 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

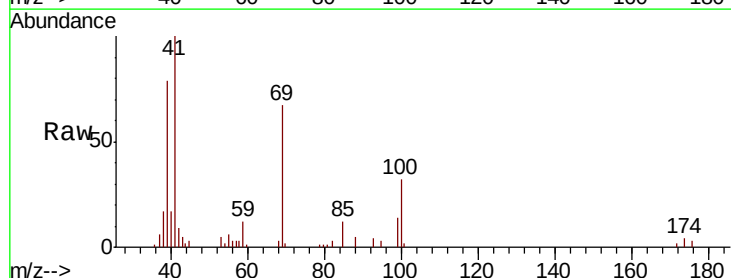
Tgt Ion: 41 Resp: 96457

Ion Ratio Lower Upper

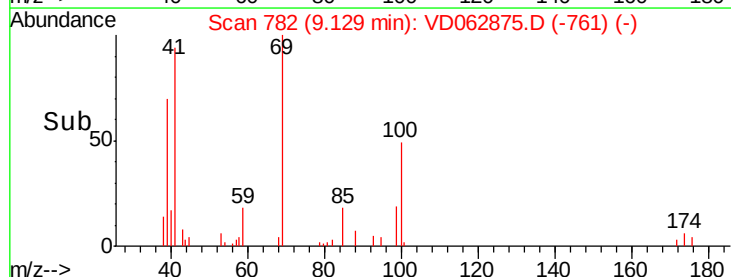
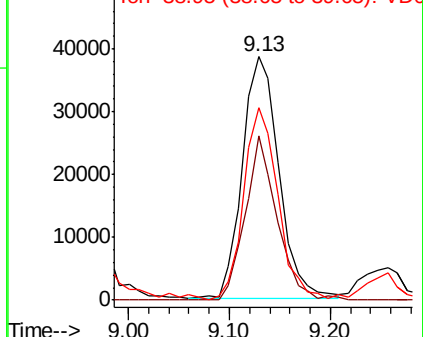
41 100

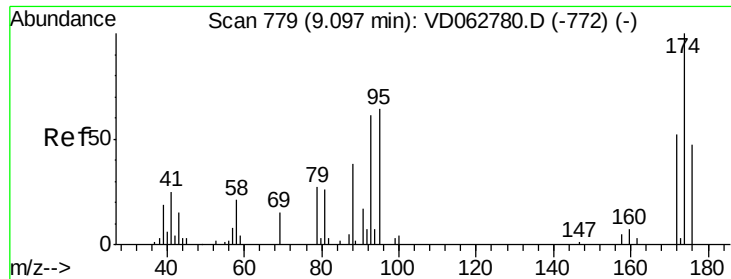
69 67.5 47.2 70.8

39 79.2 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

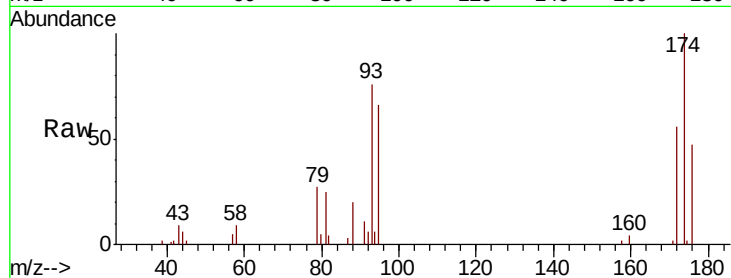




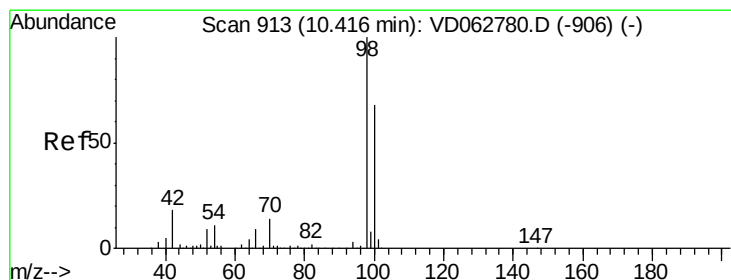
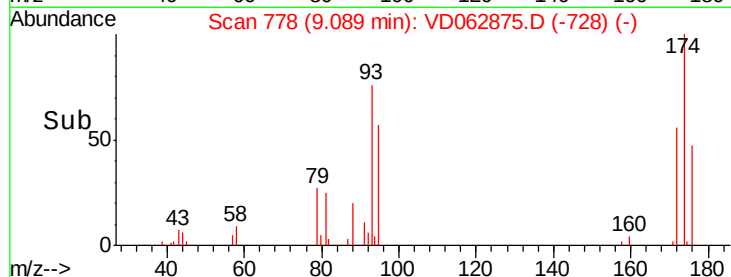
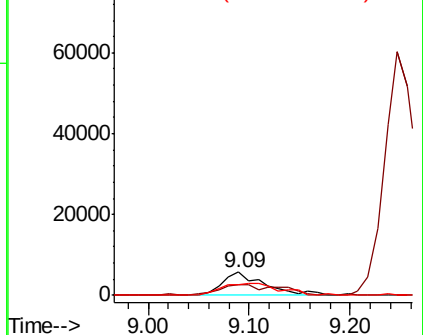
#49
 1,4-Dioxane
 Concen: 413.086 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

Tot Ion: 88 Resp: 16786
 Ion Ratio Lower Upper
 88 100
 43 44.3 32.1 48.1
 58 44.3 44.1 66.1

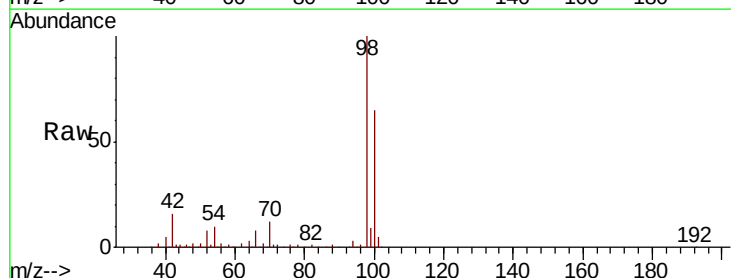


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

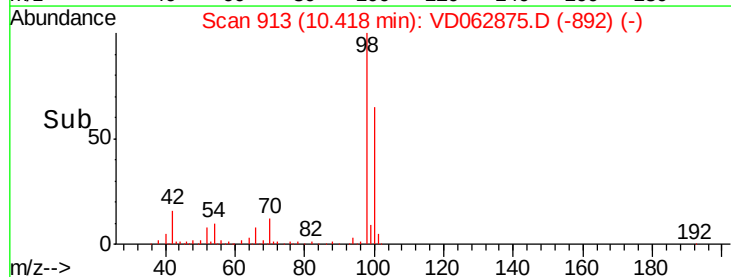
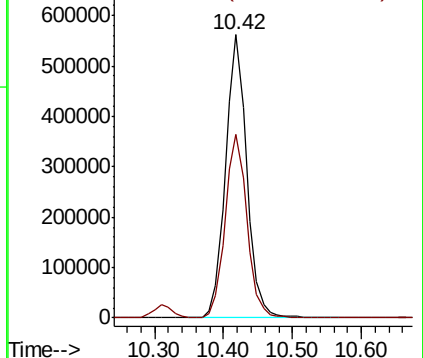


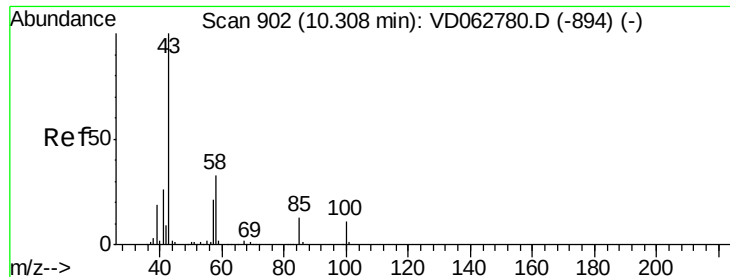
#50
 Toluene-d8
 Concen: 47.175 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Tgt Ion: 98 Resp: 1198985
 Ion Ratio Lower Upper
 98 100
 100 64.7 54.7 82.1



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

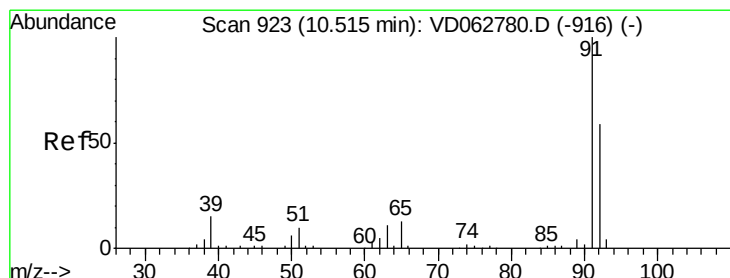
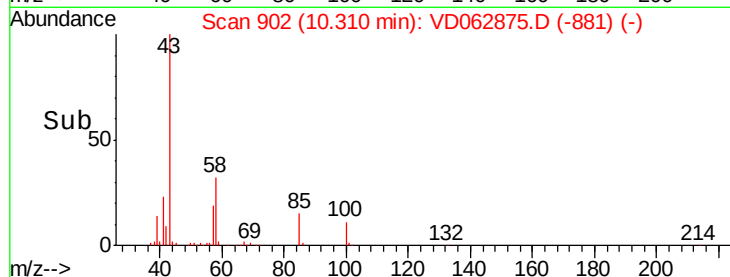
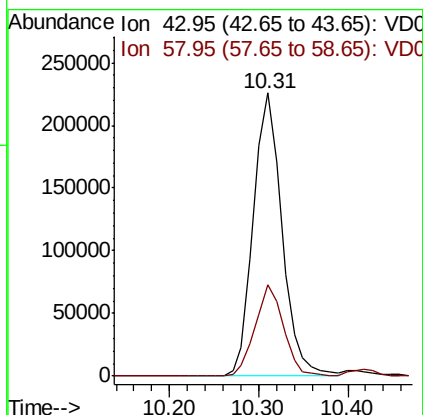
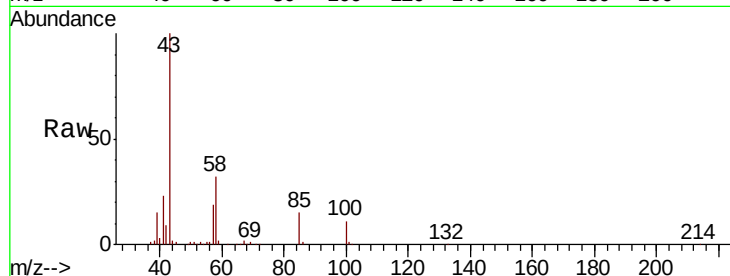




#51
4-Methyl-2-Pentanone
Concen: 102.893 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

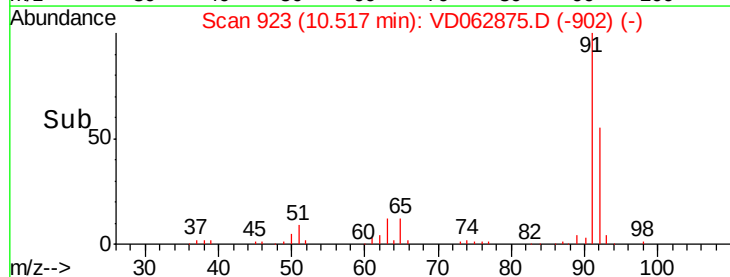
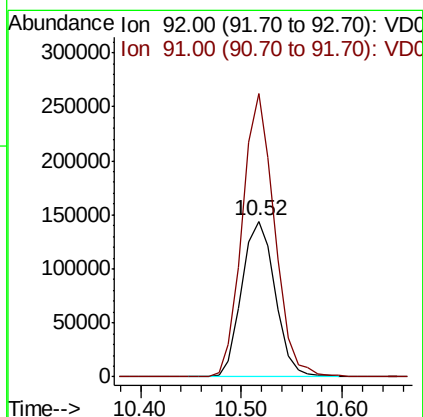
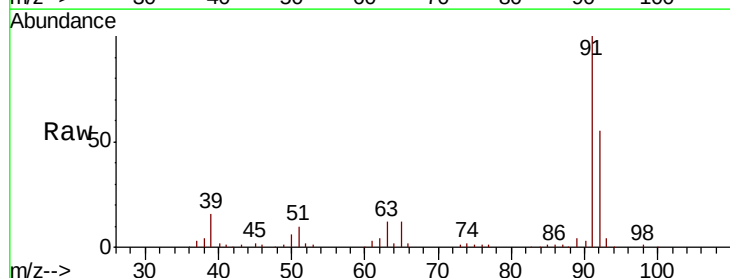
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

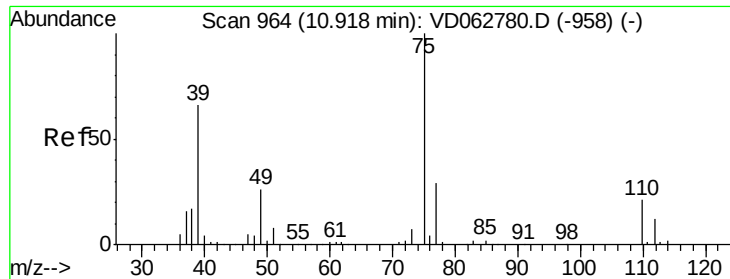
Tot Ion: 43 Resp: 501402
Ion Ratio Lower Upper
43 100
58 32.4 26.6 40.0



#52
Toluene
Concen: 18.863 ug/l
RT: 10.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion: 92 Resp: 333676
Ion Ratio Lower Upper
92 100
91 181.7 136.3 204.5

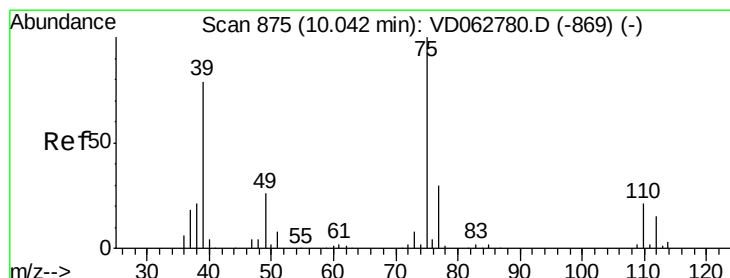
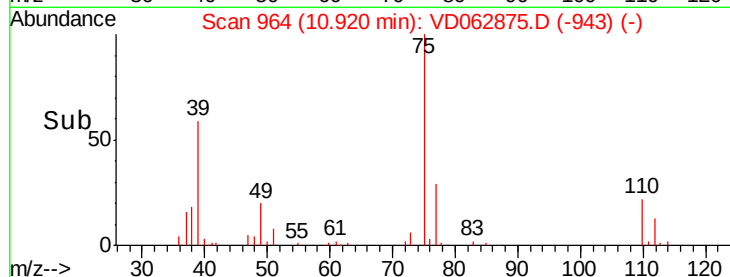
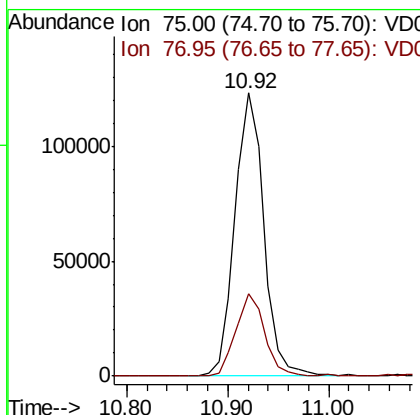
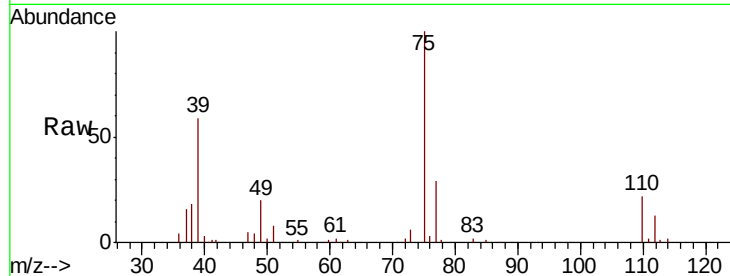




#53
 t-1,3-Dichloropropene
 Concen: 20.495 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

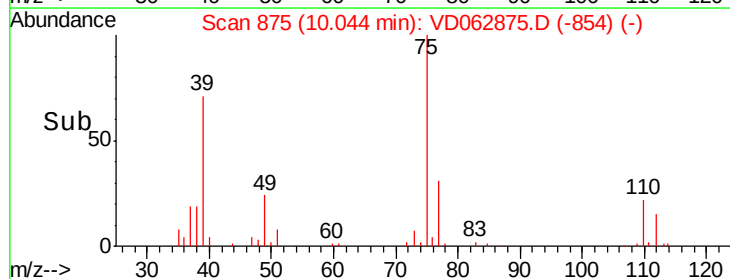
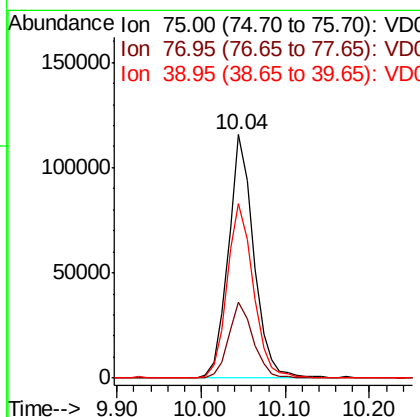
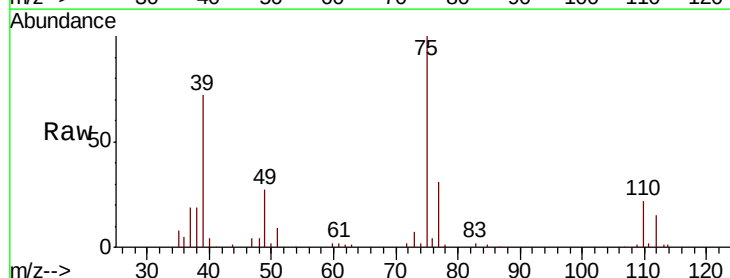
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

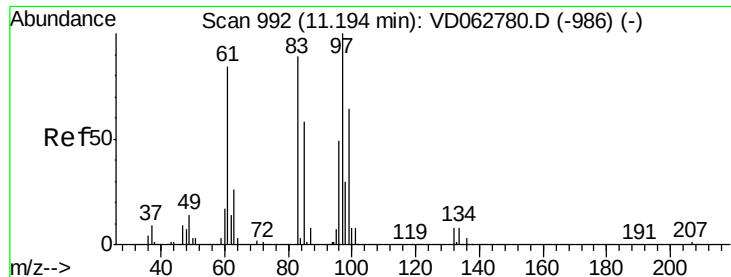
Tot Ion: 75 Resp: 244884
 Ion Ratio Lower Upper
 75 100
 77 29.1 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.705 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Tgt Ion: 75 Resp: 242924
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.2 36.2
 39 71.5 63.5 95.3

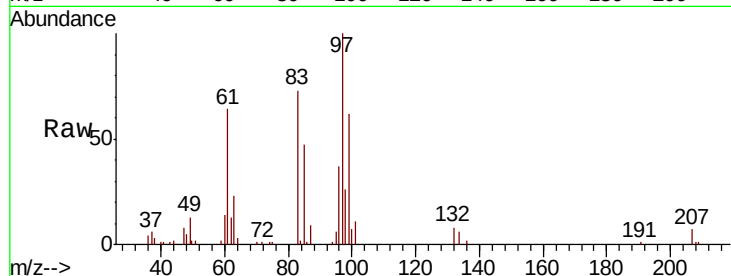




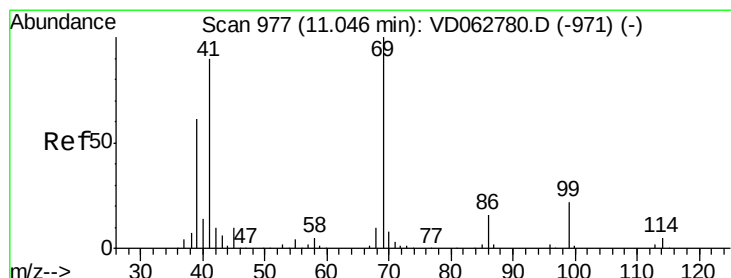
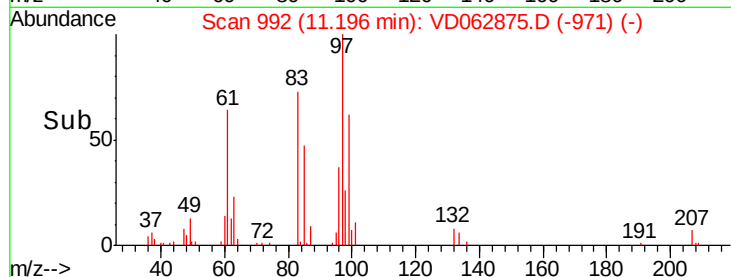
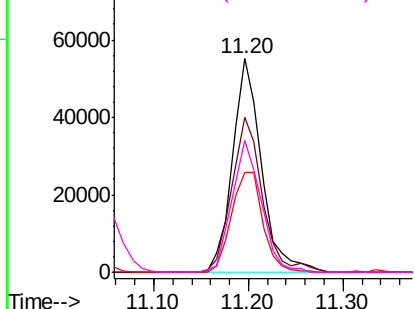
#55
 1,1,2-Trichloroethane
 Concen: 19.266 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

Tot Ion:	97	Resp:	117091
Ion	Ratio	Lower	Upper
97	100		
83	72.8	71.0	106.4
85	46.6	46.6	69.8
99	61.8	51.4	77.0

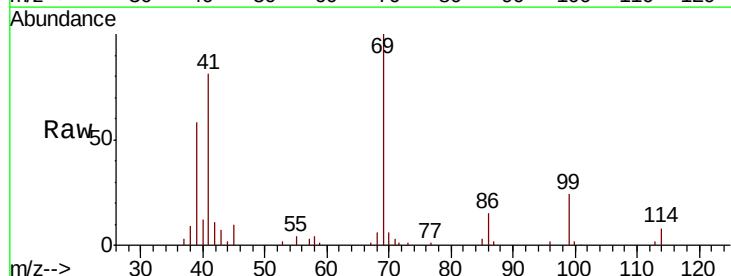


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

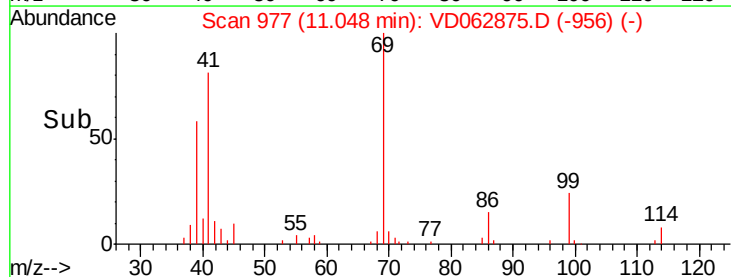
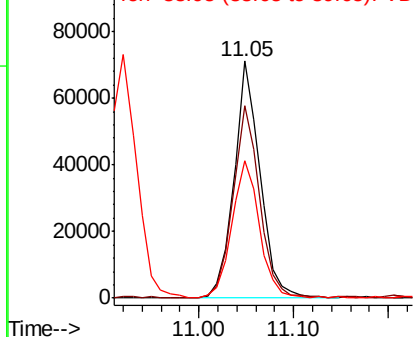


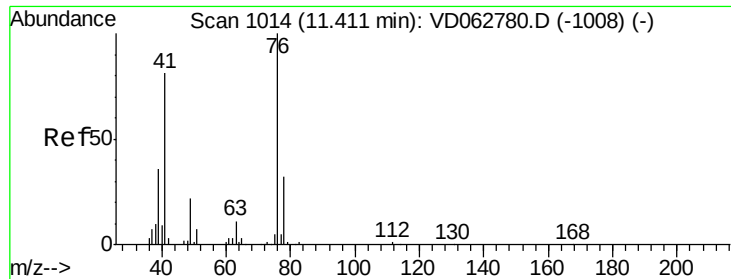
#56
 Ethyl methacrylate
 Concen: 20.730 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Tgt Ion:	69	Resp:	134641
Ion	Ratio	Lower	Upper
69	100		
41	81.3	72.0	108.0
39	58.0	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: 18.832 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

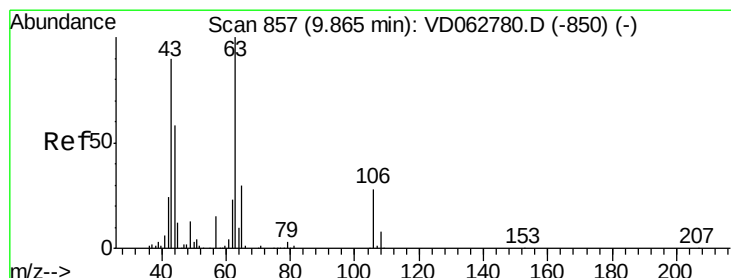
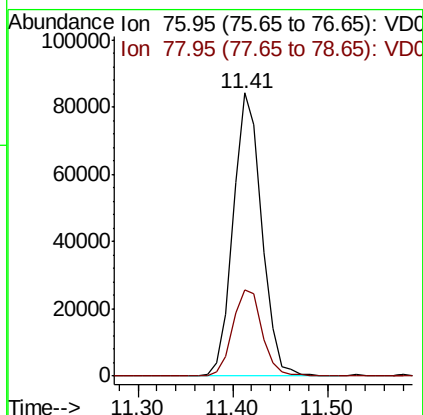
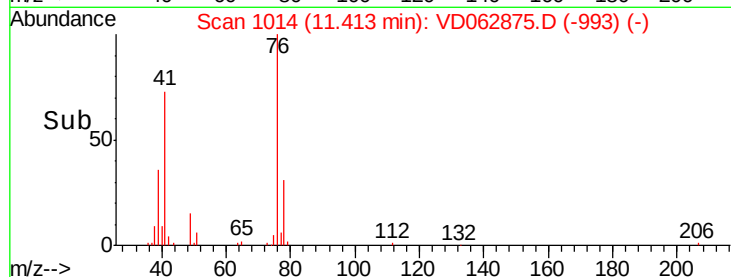
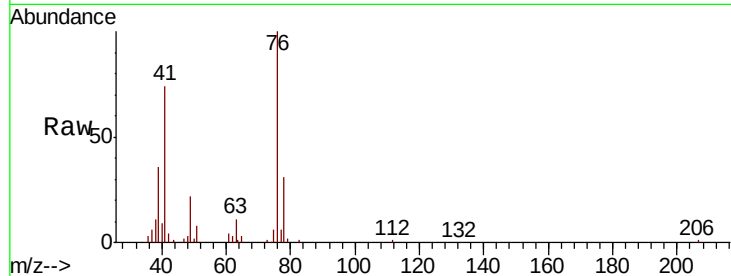
VD0625SBSD01

Tot Ion: 76 Resp: 175247

Ion Ratio Lower Upper

76 100

78 30.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 100.629 ug/l

RT: 9.87 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD062875.D

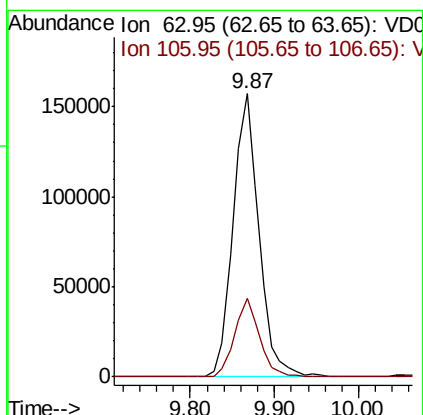
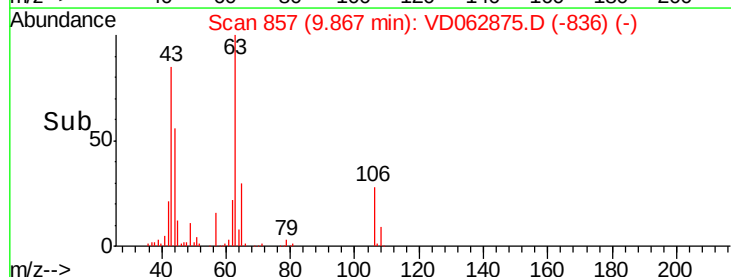
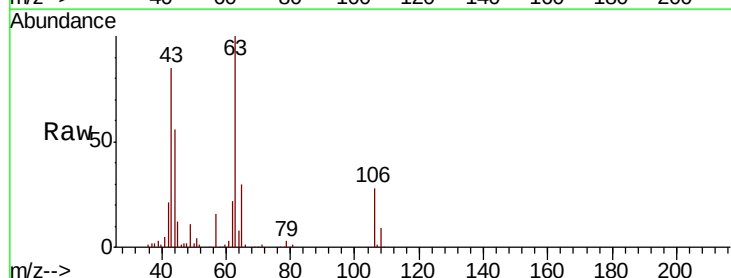
Acq: 25 Jun 2019 13:25

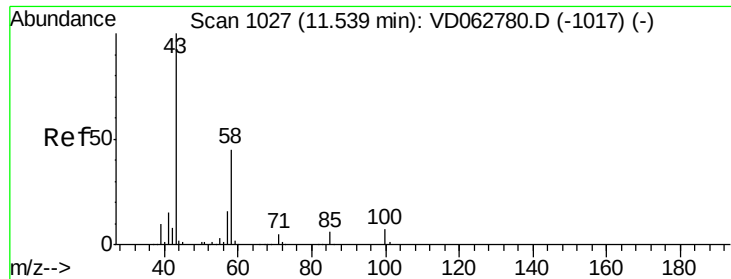
Tgt Ion: 63 Resp: 335539

Ion Ratio Lower Upper

63 100

106 27.7 22.1 33.1

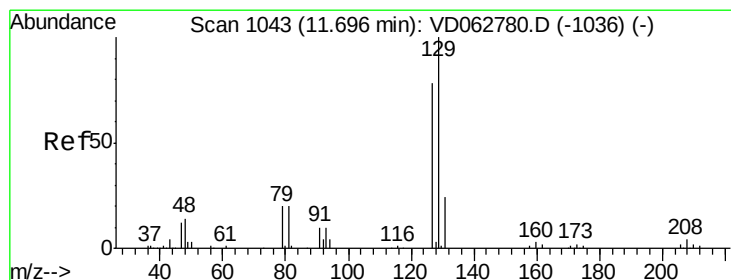
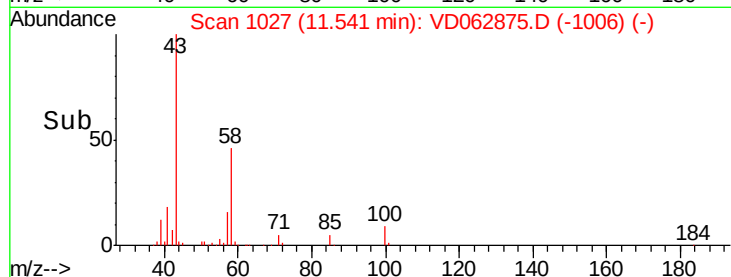
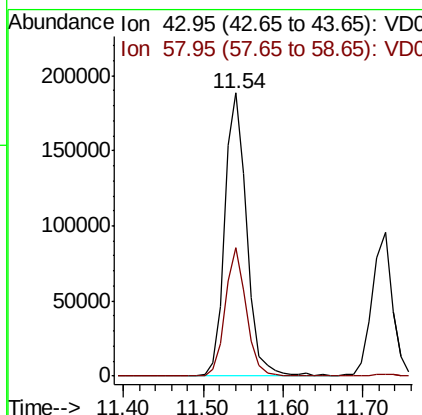
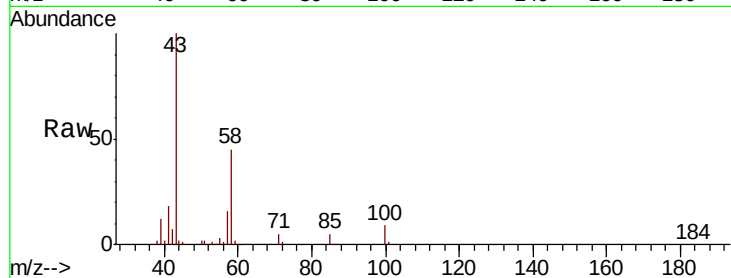




#59
2-Hexanone
Concen: 105.555 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

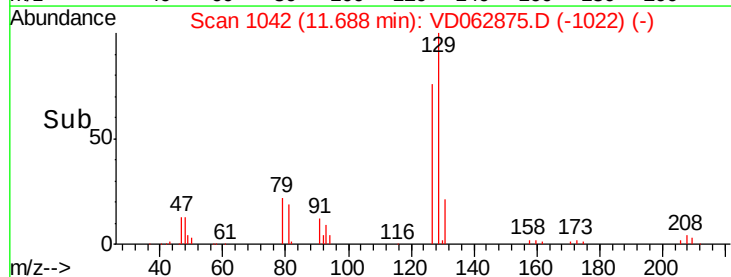
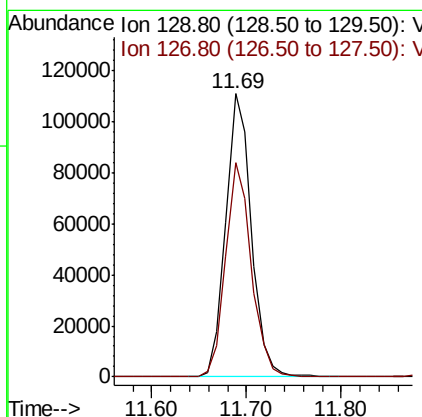
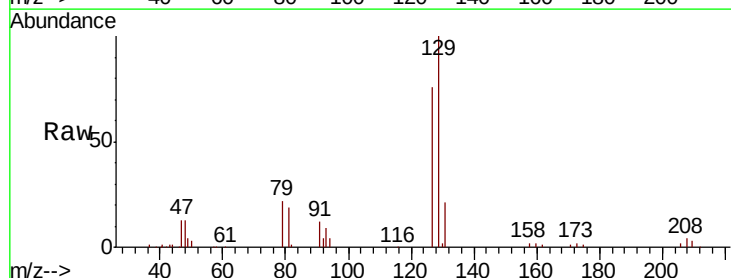
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

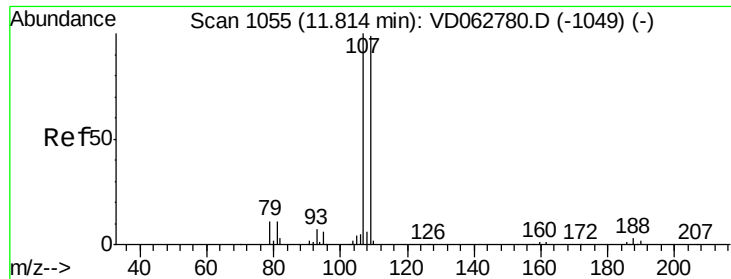
Tot Ion: 43 Resp: 366333
Ion Ratio Lower Upper
43 100
58 45.4 22.4 67.2



#60
Dibromochloromethane
Concen: 18.356 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion: 129 Resp: 207797
Ion Ratio Lower Upper
129 100
127 75.6 38.9 116.6

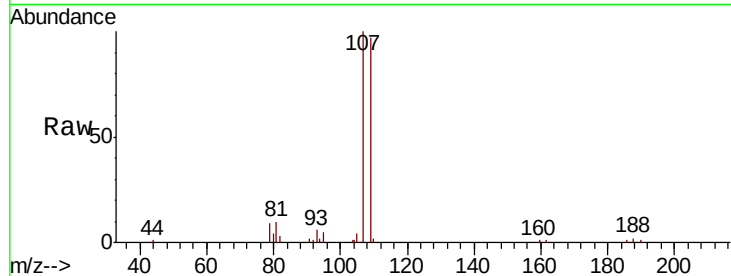




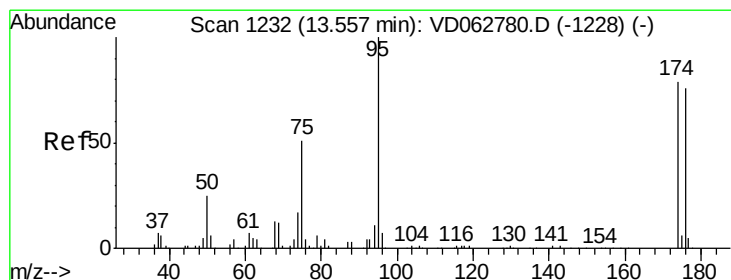
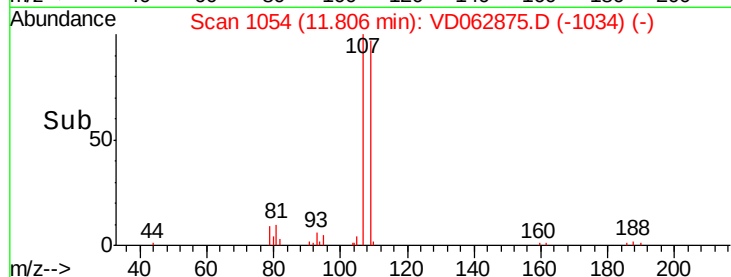
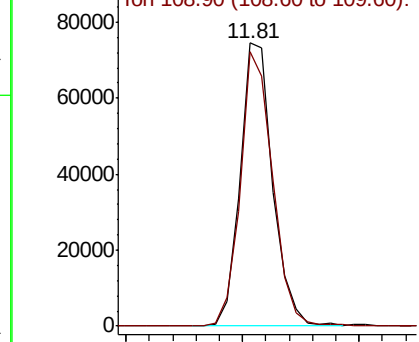
#61
 1,2-Dibromoethane
 Concen: 20.041 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

Tot Ion:107 Resp: 143848
 Ion Ratio Lower Upper
 107 100
 109 96.8 79.3 118.9

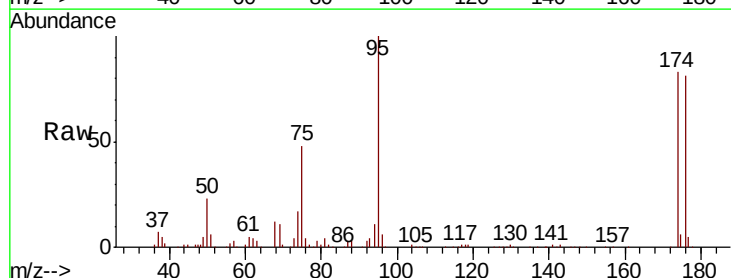


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

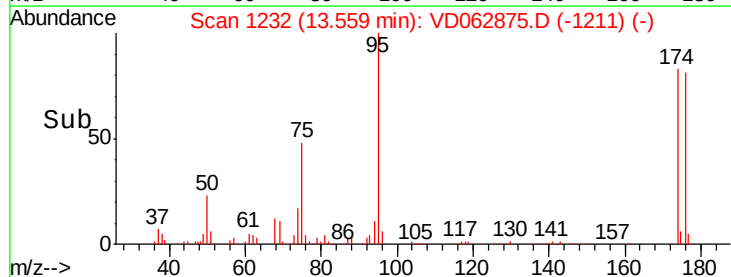
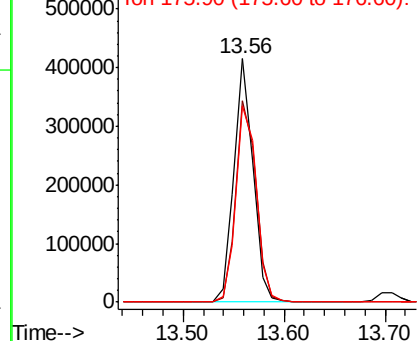


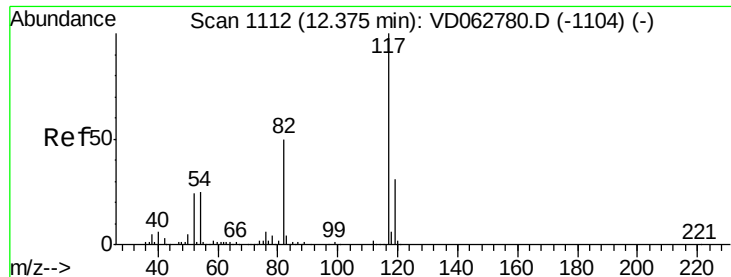
#62
 4-Bromofluorobenzene
 Concen: 46.938 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Tgt Ion: 95 Resp: 542447
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 158.0
 176 80.6 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

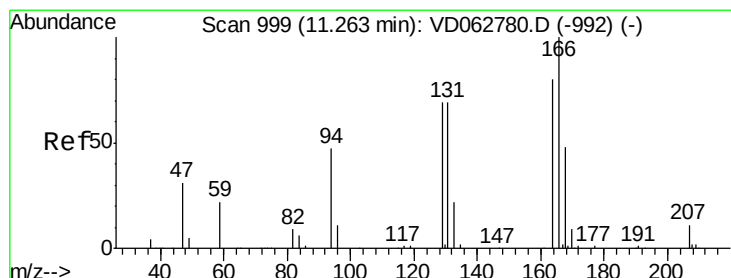
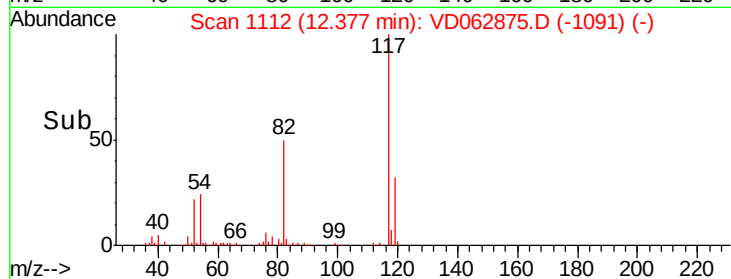
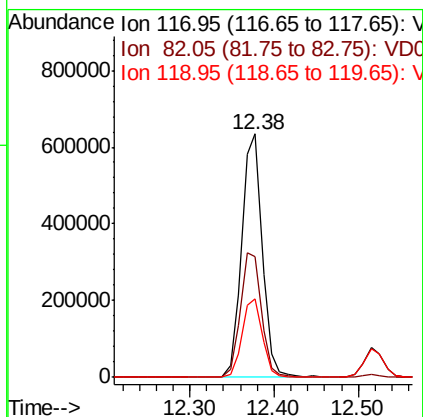
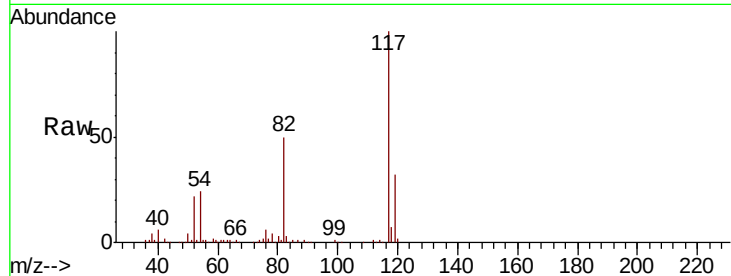




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

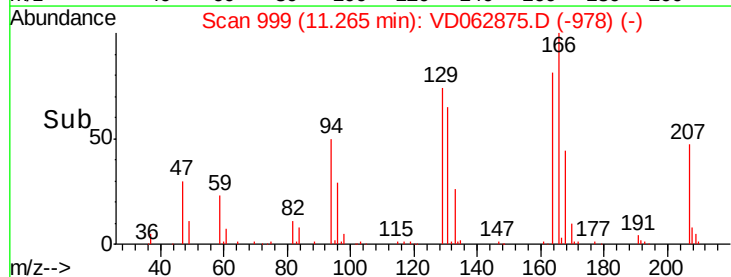
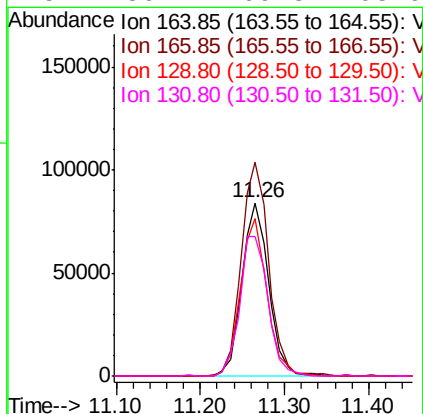
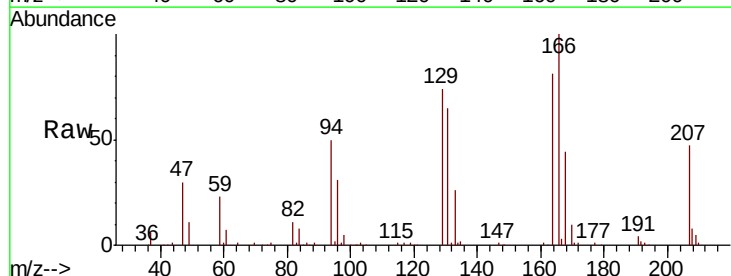
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

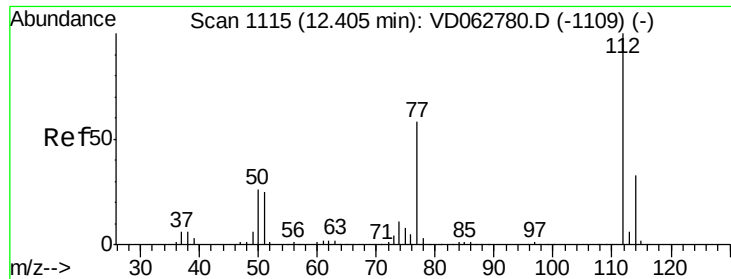
Tot Ion:117 Resp: 1079379
Ion Ratio Lower Upper
117 100
82 49.6 40.4 60.6
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 20.988 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion:164 Resp: 186449
Ion Ratio Lower Upper
164 100
166 123.3 100.6 150.8
129 91.0 69.4 104.0
131 80.4 69.3 103.9

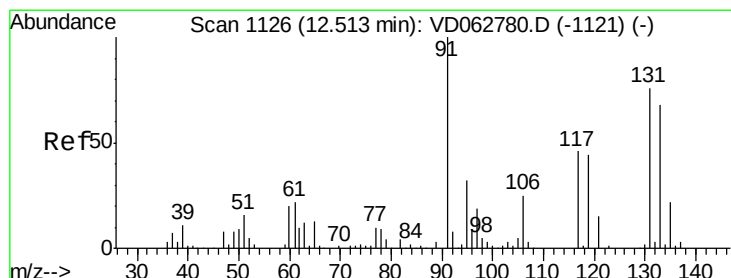
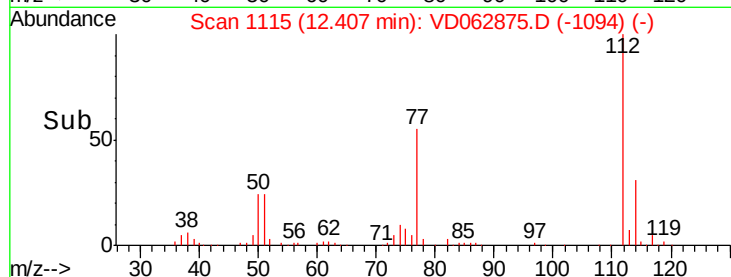
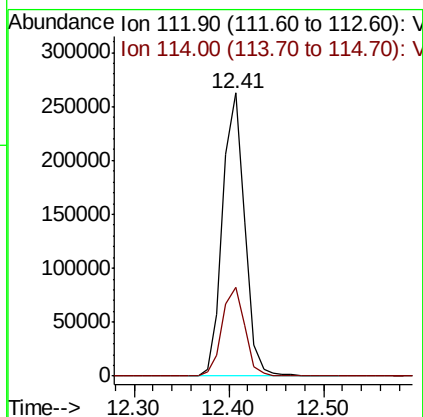
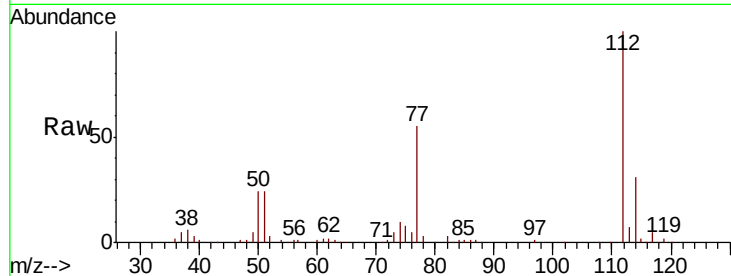




#65
Chlorobenzene
Concen: 21.173 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

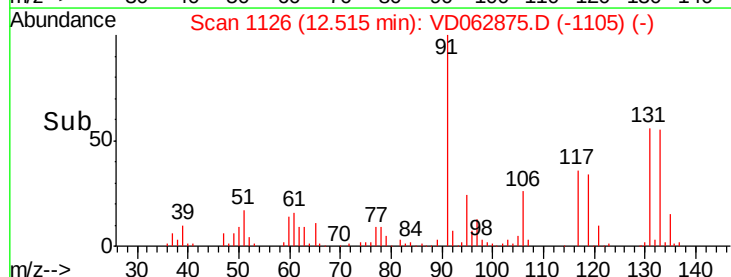
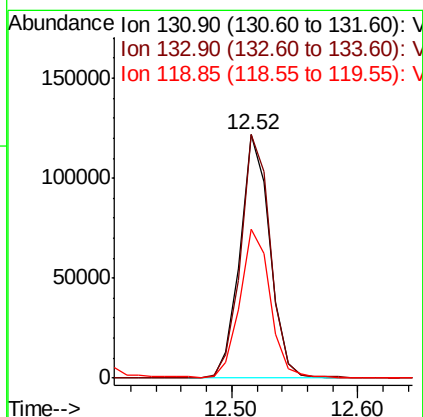
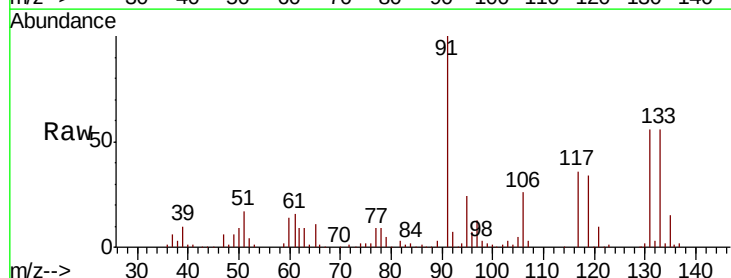
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

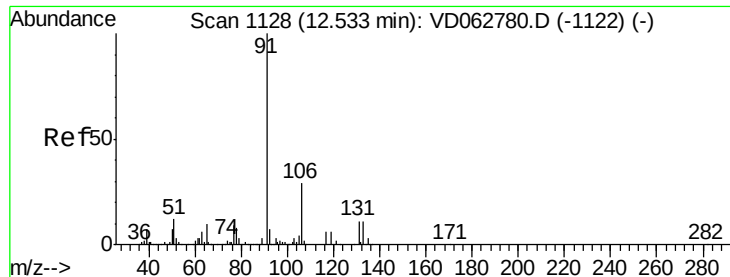
Tot Ion:112 Resp: 424144
Ion Ratio Lower Upper
112 100
114 31.2 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 21.166 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion:131 Resp: 198289
Ion Ratio Lower Upper
131 100
133 100.2 44.5 133.3
119 61.3 28.6 85.9

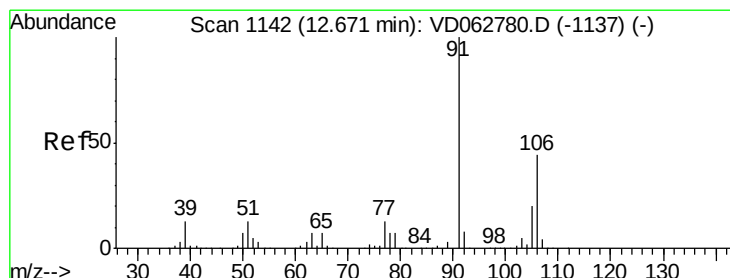
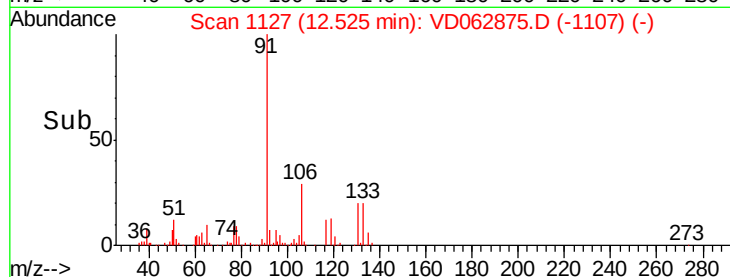
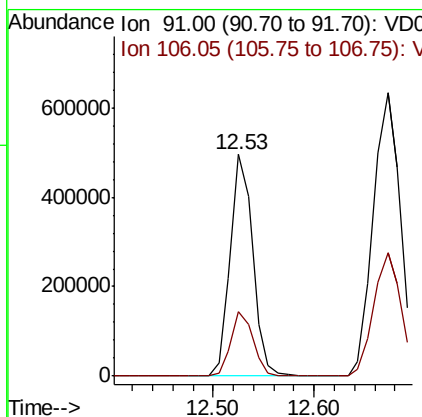
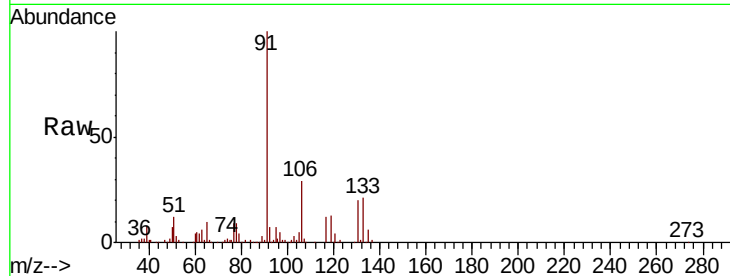




#67
Ethyl Benzene
Concen: 21.365 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

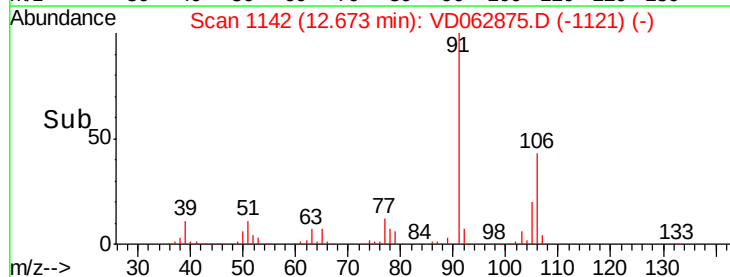
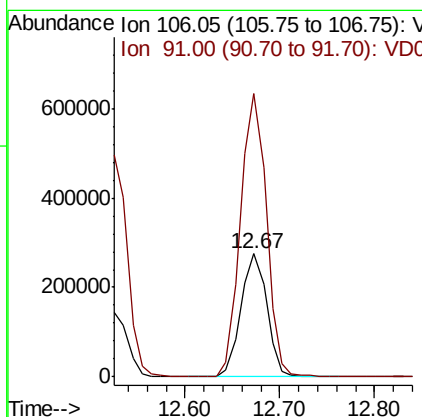
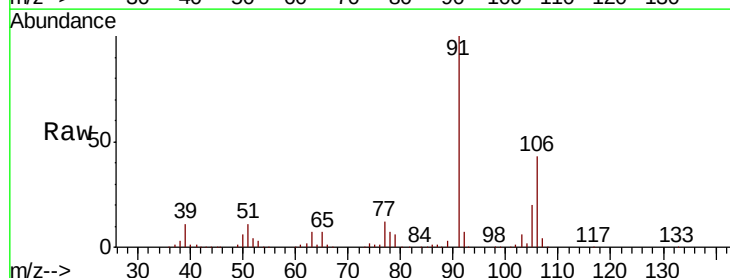
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

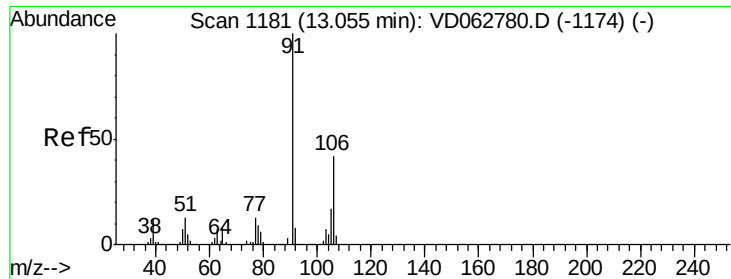
Tot Ion: 91 Resp: 768387
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7



#68
m/p-Xylenes
Concen: 42.067 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion: 106 Resp: 526953
Ion Ratio Lower Upper
106 100
91 230.2 183.0 274.6

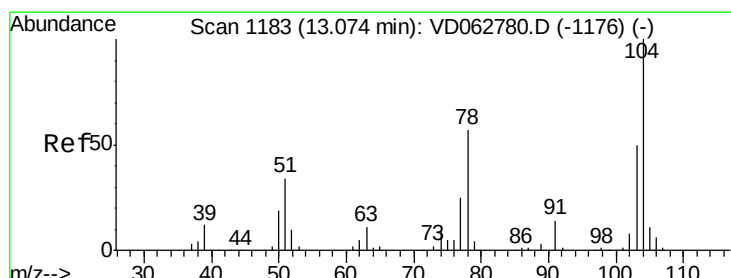
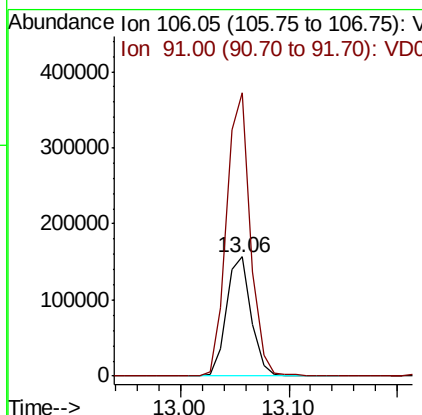
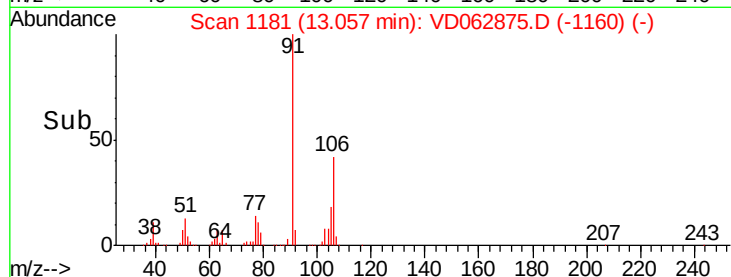
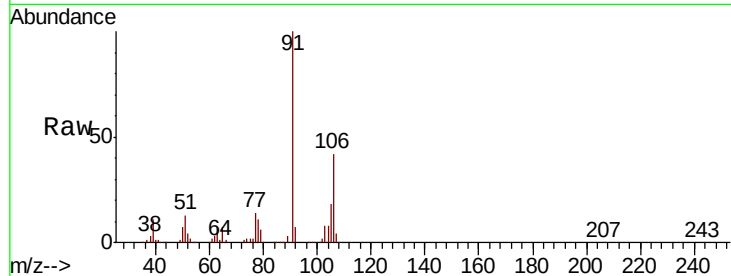




#69
o-Xylene
Concen: 21.650 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

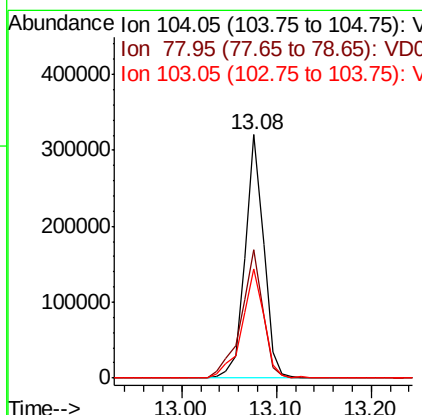
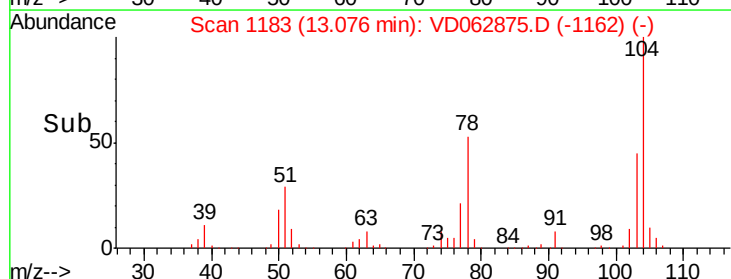
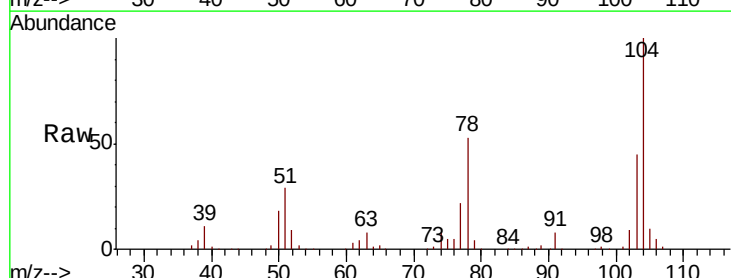
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

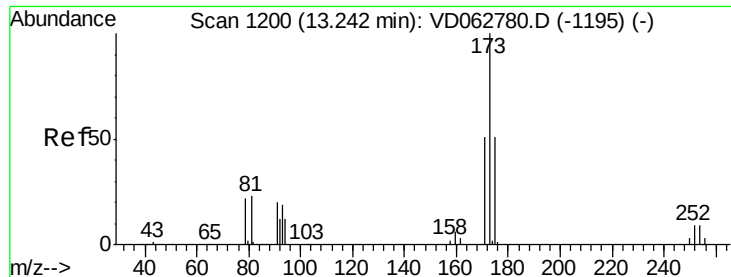
Tot Ion:106 Resp: 247919
Ion Ratio Lower Upper
106 100
91 237.9 117.9 353.6



#70
Styrene
Concen: 21.656 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion:104 Resp: 435568
Ion Ratio Lower Upper
104 100
78 52.8 45.4 68.2
103 44.8 39.7 59.5





#71

Bromoform

Concen: 21.303 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

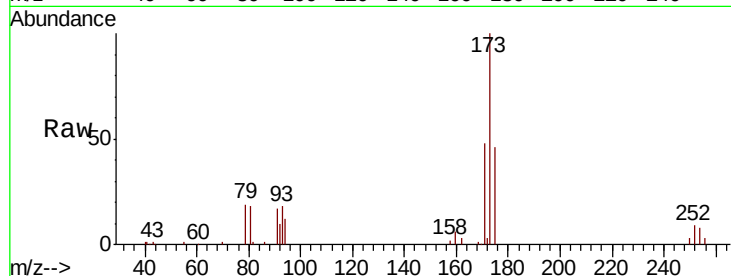
Tot Ion:173 Resp: 136734

Ion Ratio Lower Upper

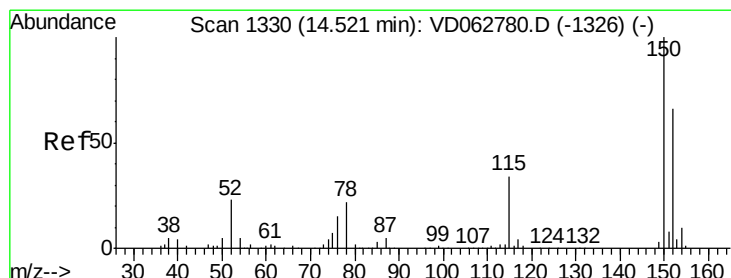
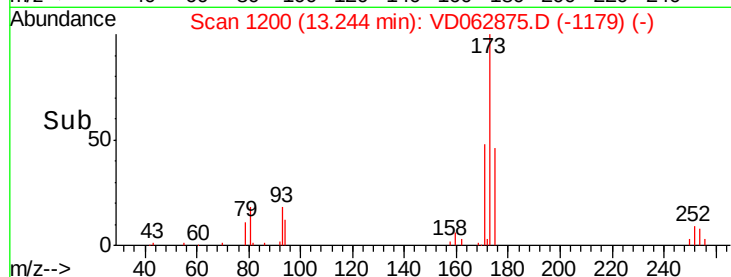
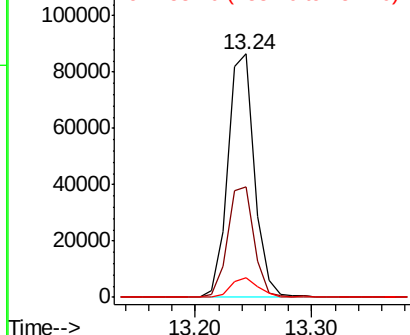
173 100

175 45.6 25.3 75.9

254 8.0 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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

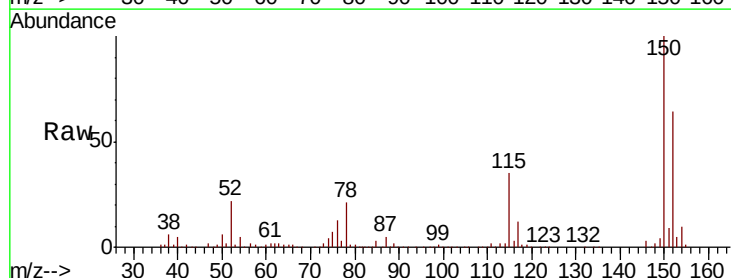
Tgt Ion:152 Resp: 603095

Ion Ratio Lower Upper

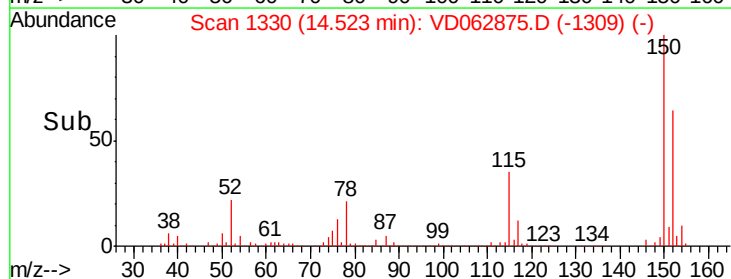
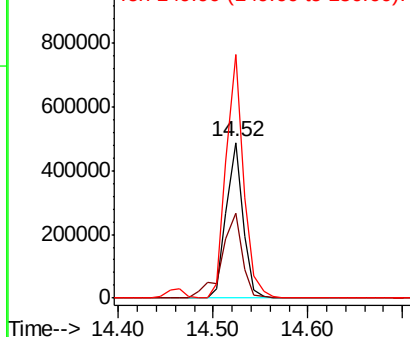
152 100

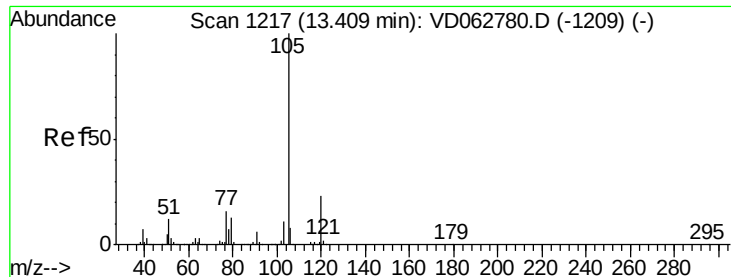
115 54.4 29.2 87.6

150 156.5 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: 20.693 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

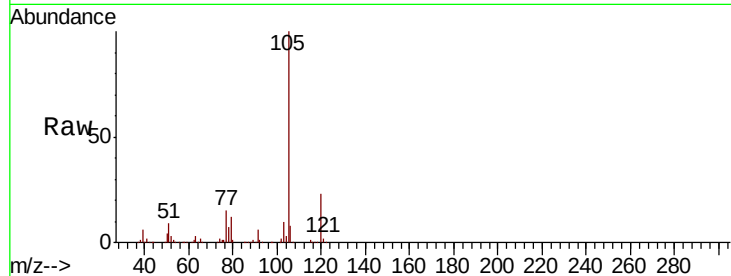
VD0625SBS01

Tot Ion:105 Resp: 800194

Ion Ratio Lower Upper

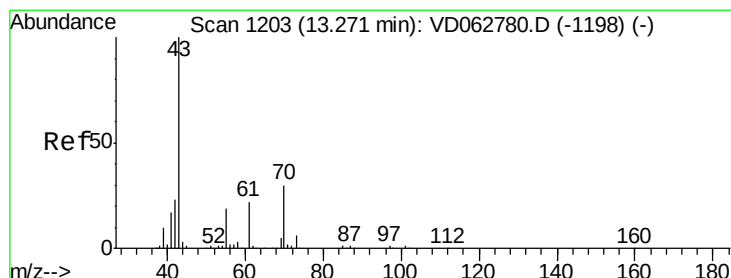
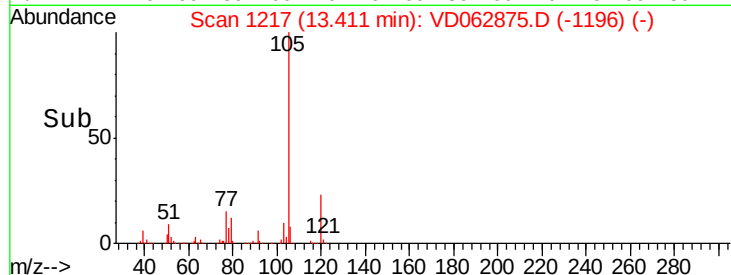
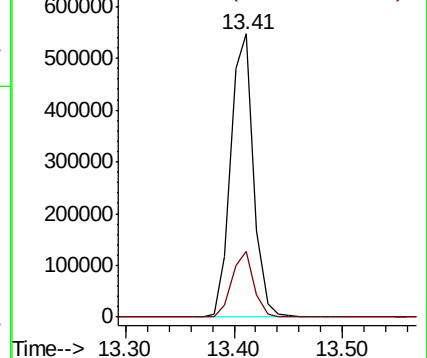
105 100

120 23.3 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.834 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Tgt Ion: 43 Resp: 205039

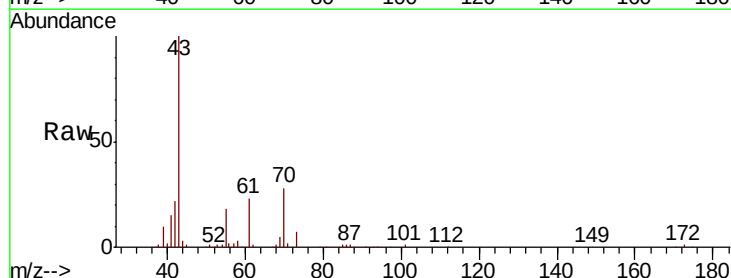
Ion Ratio Lower Upper

43 100

70 27.7 24.4 36.6

55 18.3 15.2 22.8

61 23.5 17.4 26.2

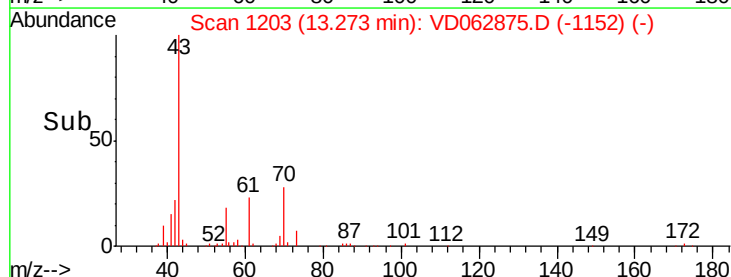
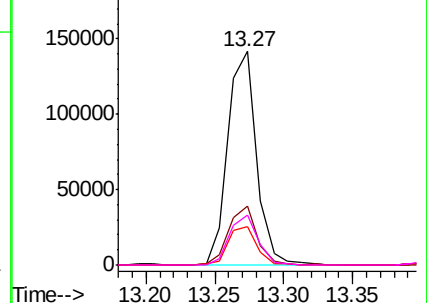


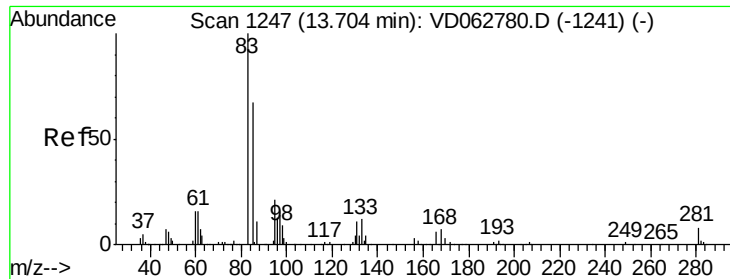
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.876 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

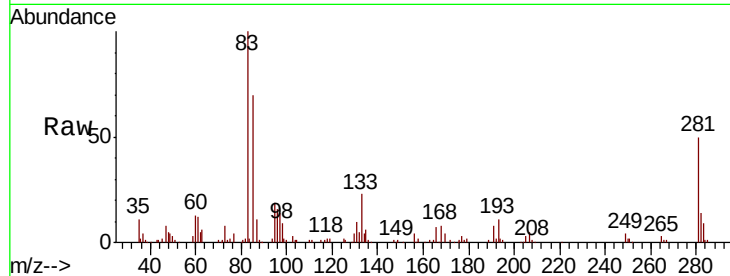
Tot Ion: 83 Resp: 131528

Ion Ratio Lower Upper

83 100

131 9.9 5.3 16.1

85 69.6 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

120000

100000

80000

60000

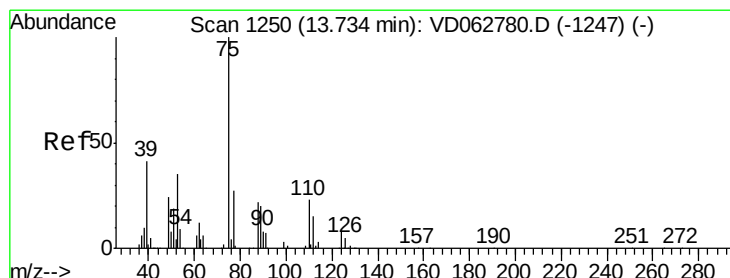
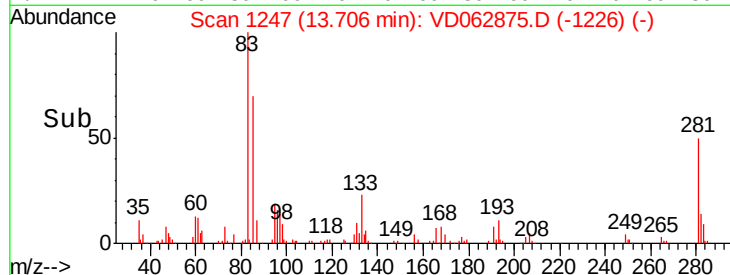
40000

20000

0

13.71

Time--> 13.60 13.70 13.80



#76

1,2,3-Trichloropropane

Concen: 21.520 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062875.D

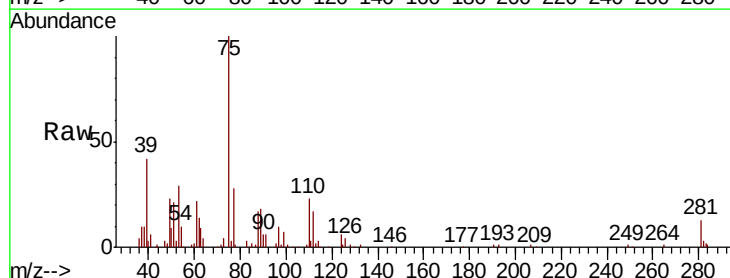
Acq: 25 Jun 2019 13:25

Tgt Ion: 75 Resp: 149829

Ion Ratio Lower Upper

75 100

77 28.5 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

200000

150000

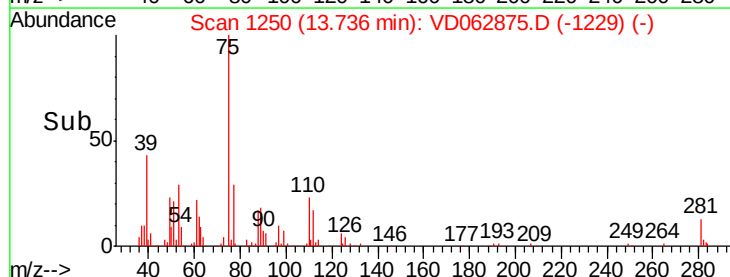
100000

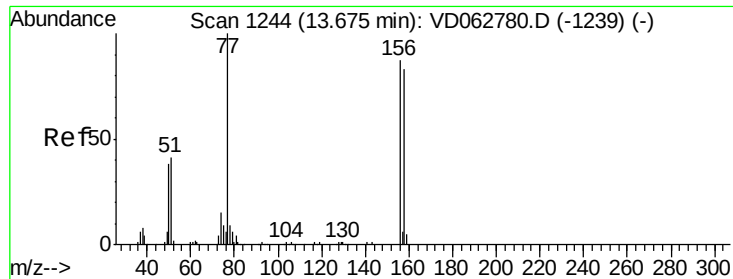
50000

0

13.74

Time--> 13.65 13.70 13.75 13.80





#77

Bromobenzene

Concen: 19.724 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

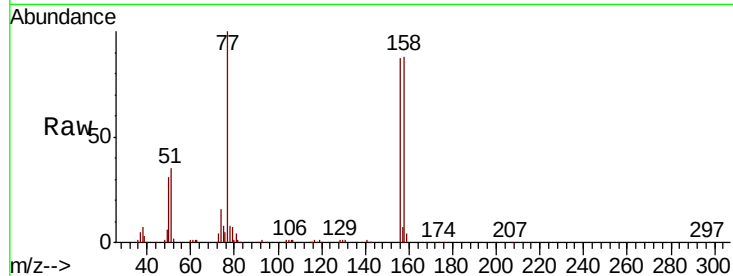
Tot Ion:156 Resp: 205150

Ion Ratio Lower Upper

156 100

77 114.5 57.7 173.1

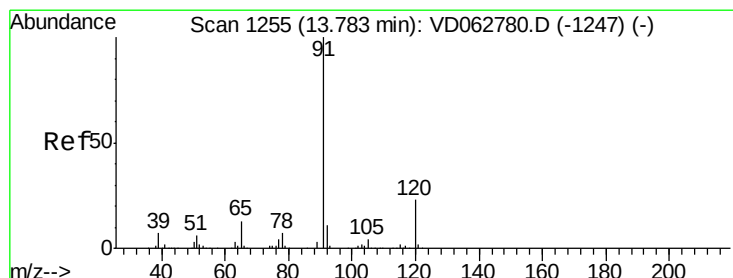
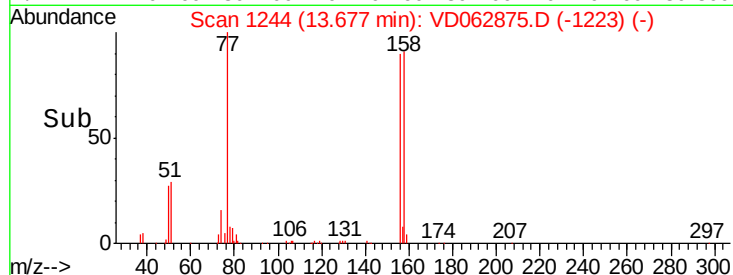
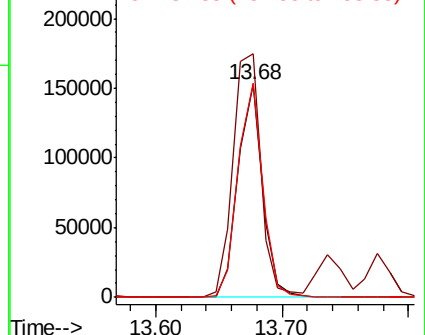
158 100.7 47.7 143.1



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: 19.794 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062875.D

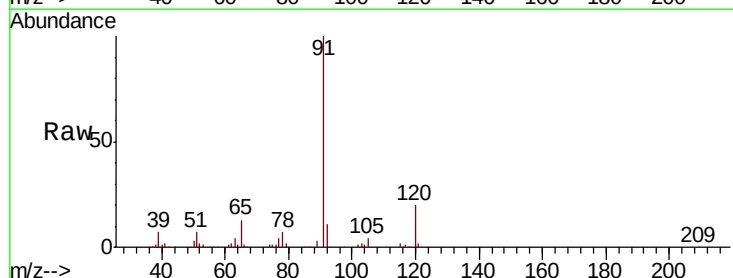
Acq: 25 Jun 2019 13:25

Tgt Ion: 91 Resp: 890862

Ion Ratio Lower Upper

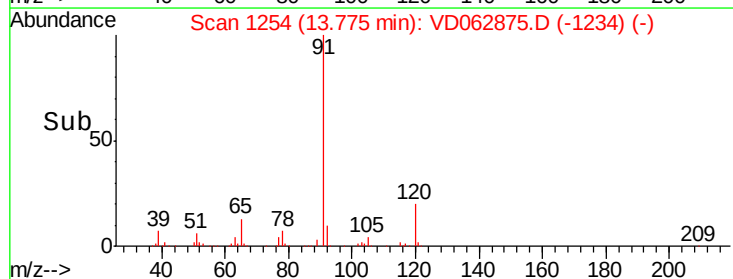
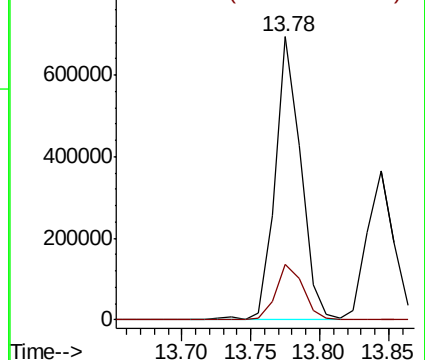
91 100

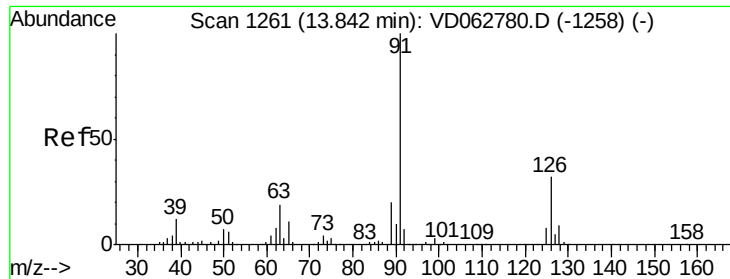
120 19.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

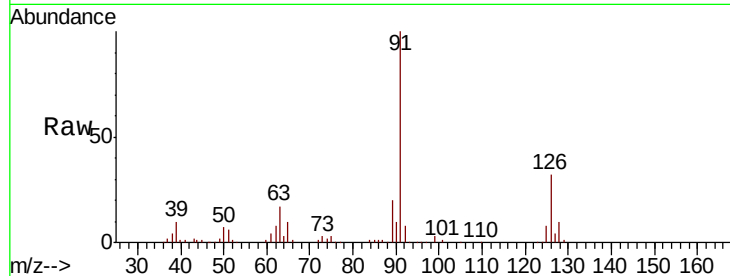




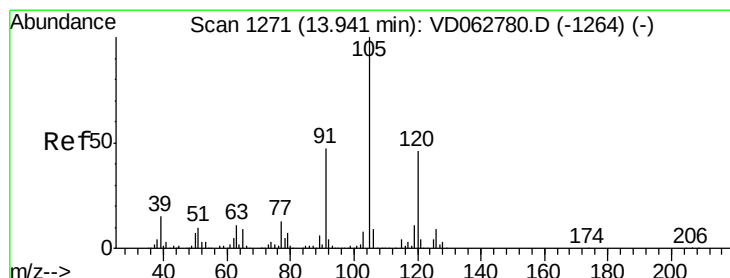
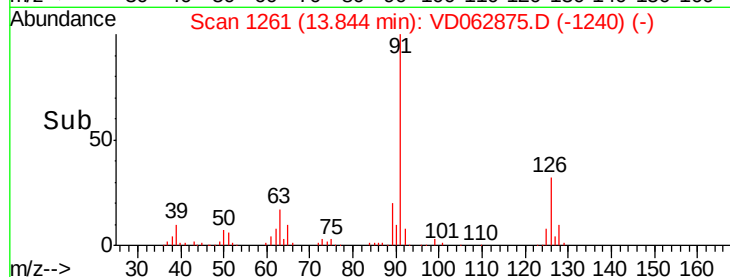
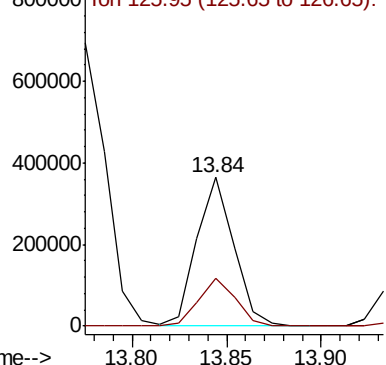
#79
2-Chlorotoluene
Concen: 19.161 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion: 91 Resp: 492850
Ion Ratio Lower Upper
91 100
126 32.4 15.7 47.1

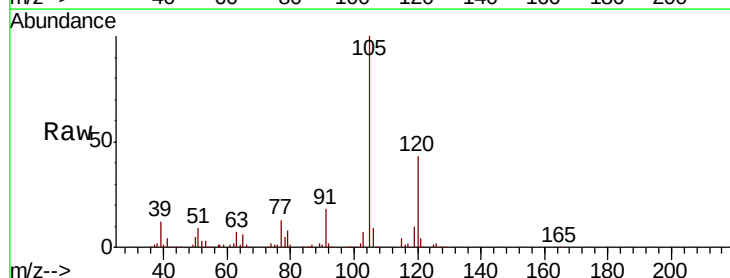


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

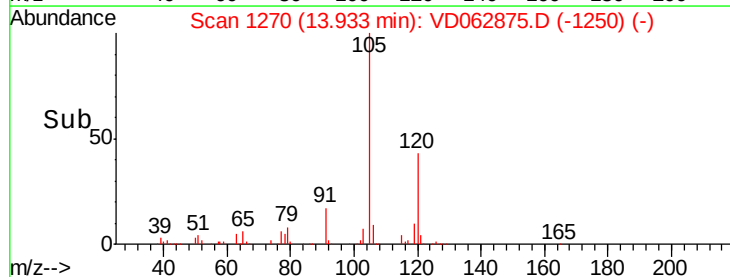
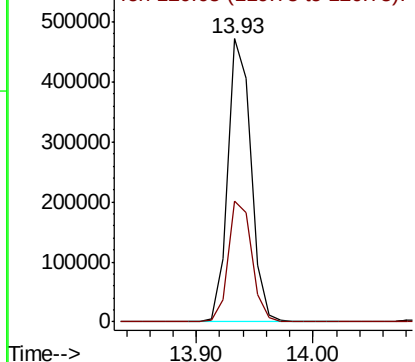


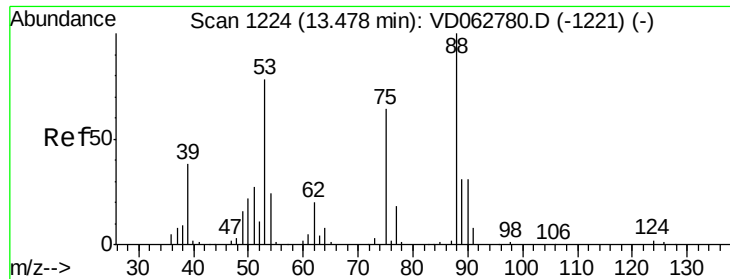
#80
1,3,5-Trimethylbenzene
Concen: 19.980 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion: 105 Resp: 648959
Ion Ratio Lower Upper
105 100
120 42.7 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

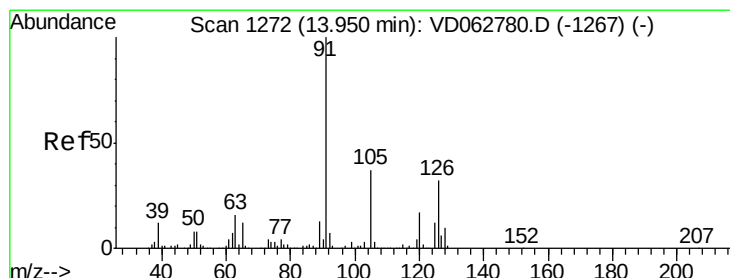
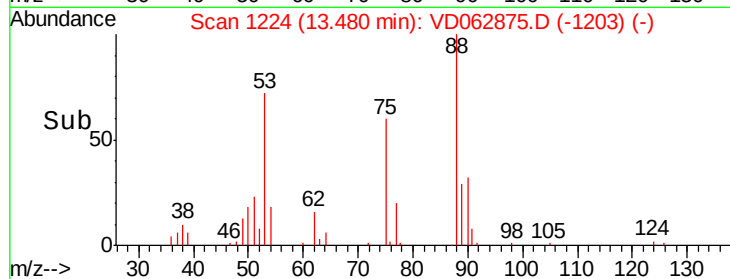
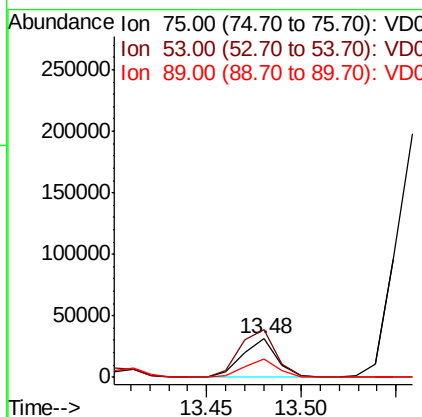
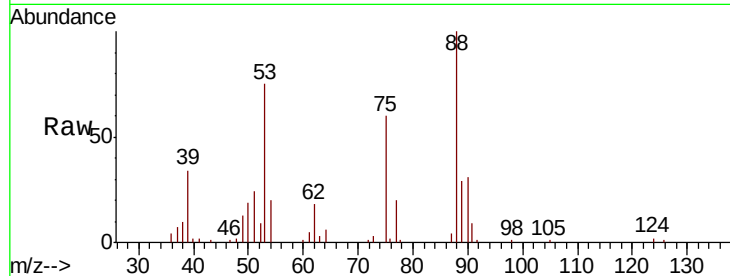




#81
trans-1,4-Dichloro-2-butene
Concen: 22.274 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

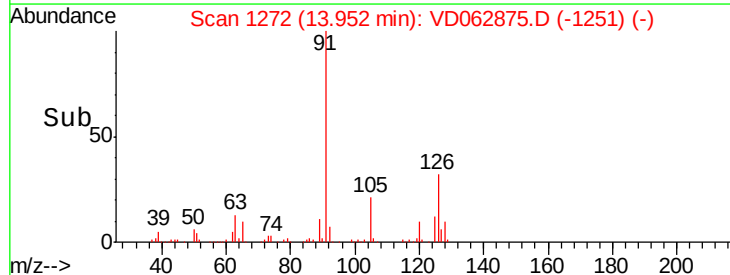
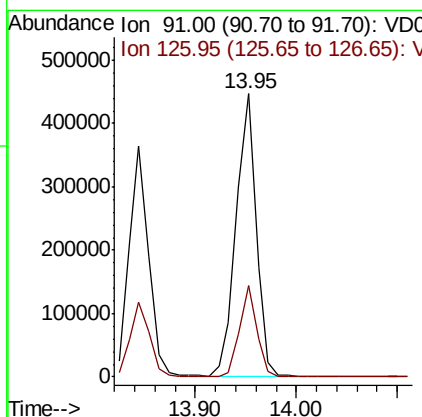
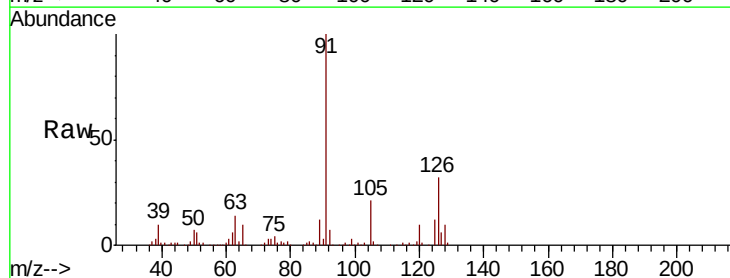
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

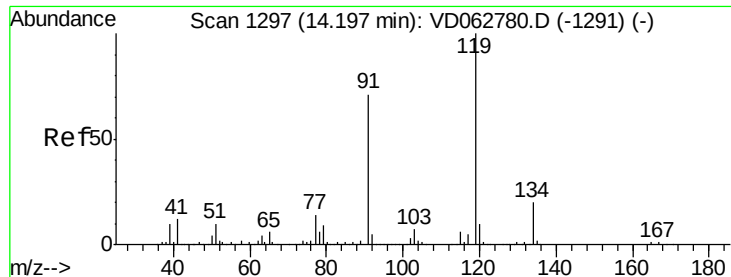
Tot Ion: 75 Resp: 40643
Ion Ratio Lower Upper
75 100
53 125.3 97.8 146.8
89 47.9 39.4 59.2



#82
4-Chlorotoluene
Concen: 20.064 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion: 91 Resp: 621292
Ion Ratio Lower Upper
91 100
126 32.4 16.0 47.9

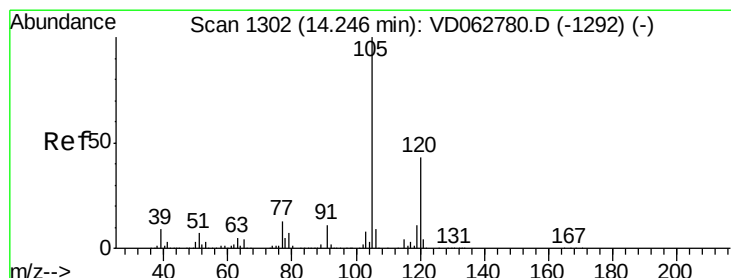
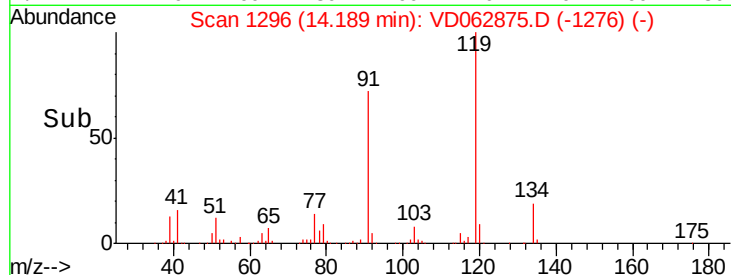
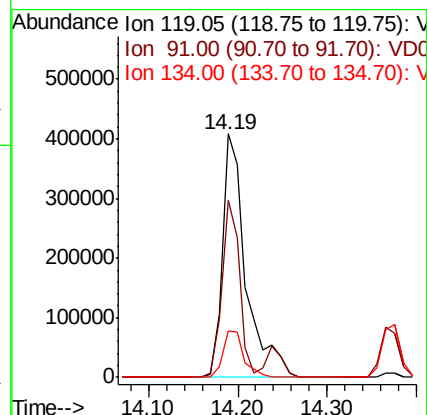
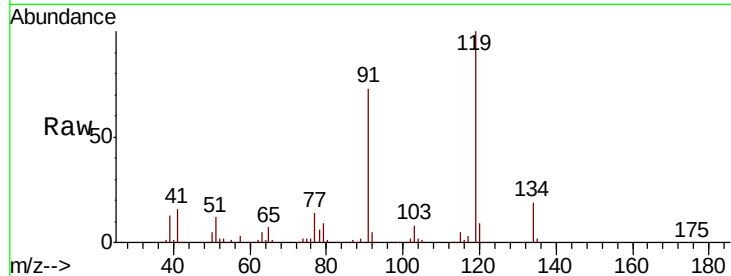




#83
 tert-Butylbenzene
 Concen: 20.756 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

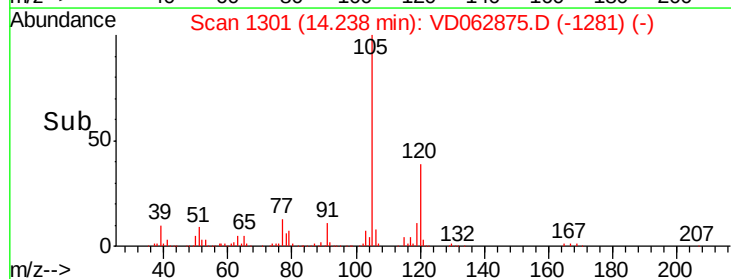
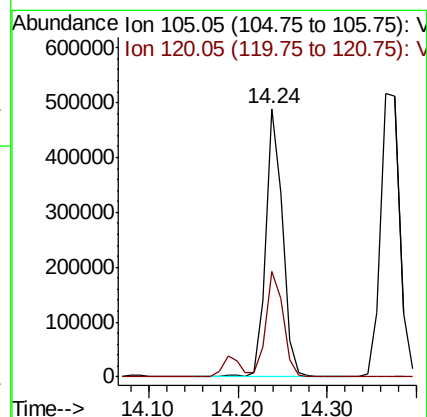
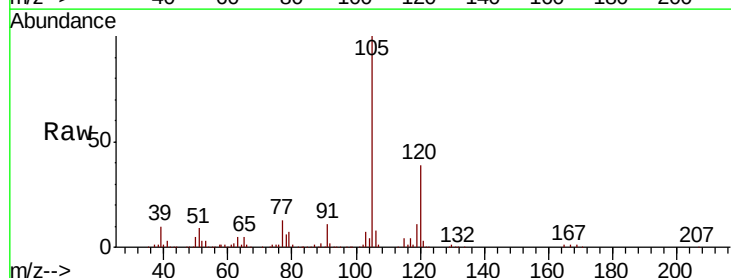
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

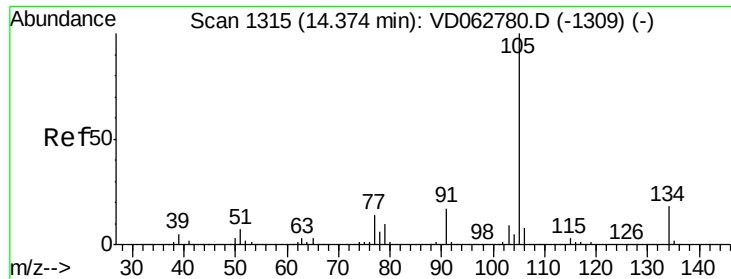
Tot Ion:119 Resp: 751477
 Ion Ratio Lower Upper
 119 100
 91 72.6 35.5 106.5
 134 19.1 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 18.828 ug/l
 RT: 14.24 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Tgt Ion:105 Resp: 626805
 Ion Ratio Lower Upper
 105 100
 120 39.1 21.3 63.9





#85

sec-Butylbenzene

Concen: 19.351 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

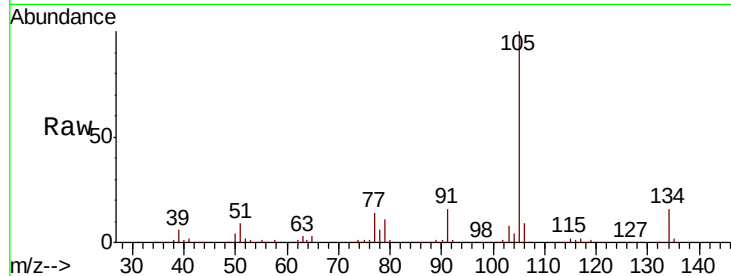
VD0625SBSD01

Tot Ion:105 Resp: 761446

Ion Ratio Lower Upper

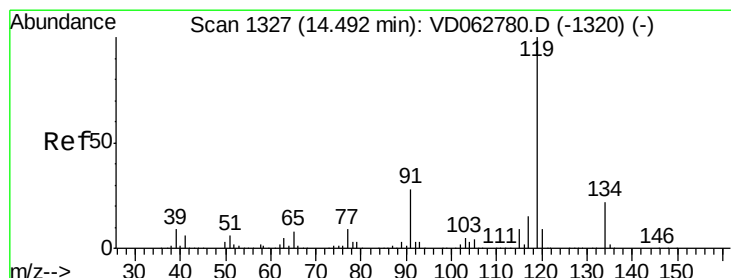
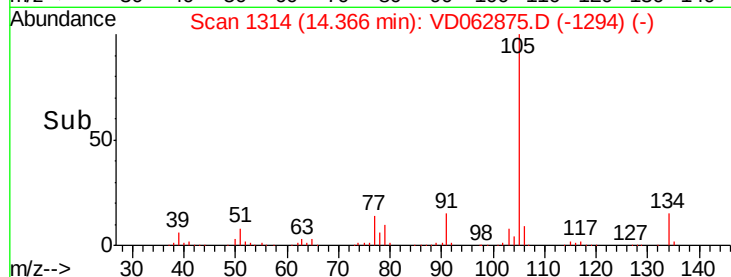
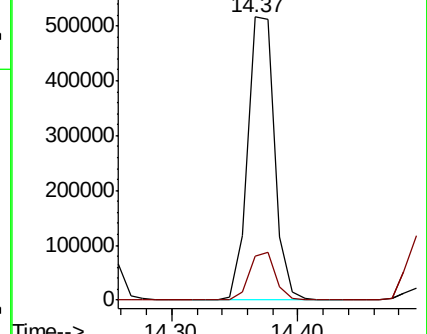
105 100

134 15.6 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: 18.797 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

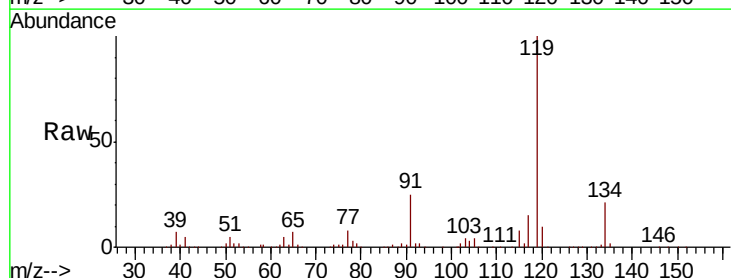
Tgt Ion:119 Resp: 676661

Ion Ratio Lower Upper

119 100

134 20.7 11.1 33.1

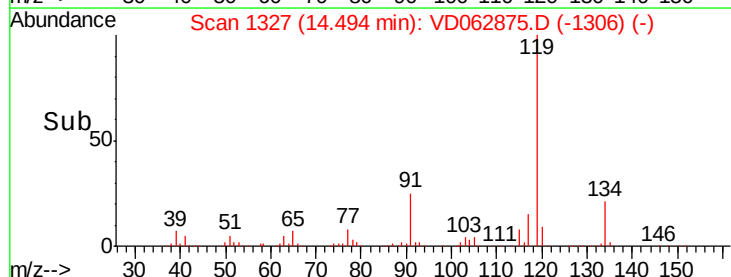
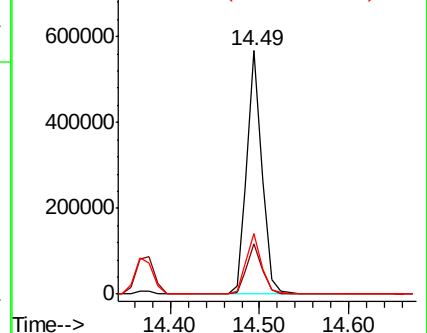
91 25.1 14.0 41.9

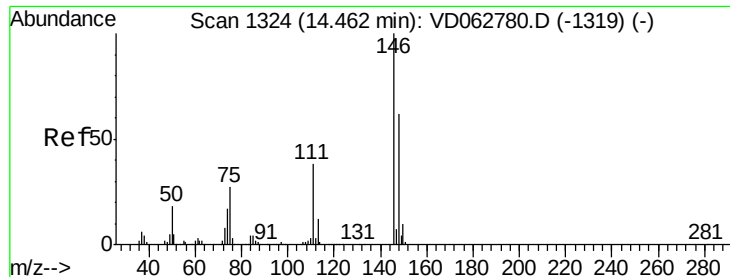


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.138 ug/l

RT: 14.45 min Scan# 1323

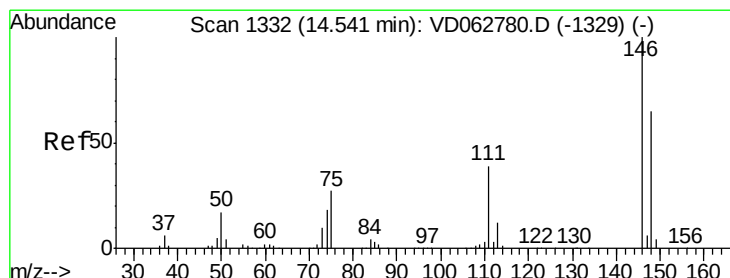
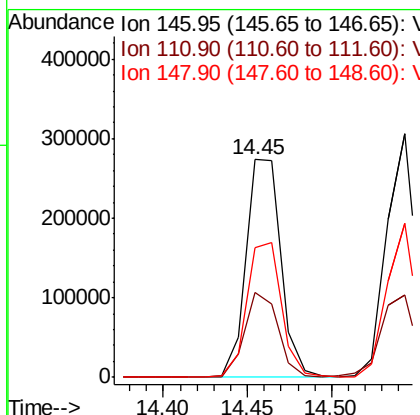
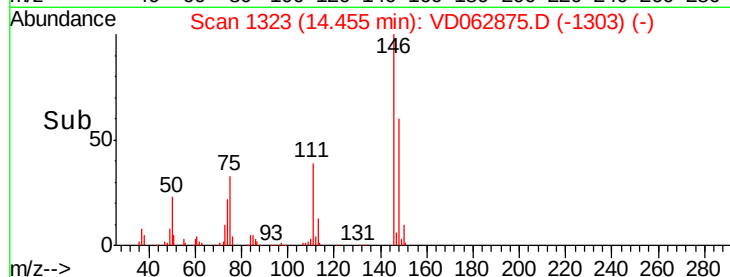
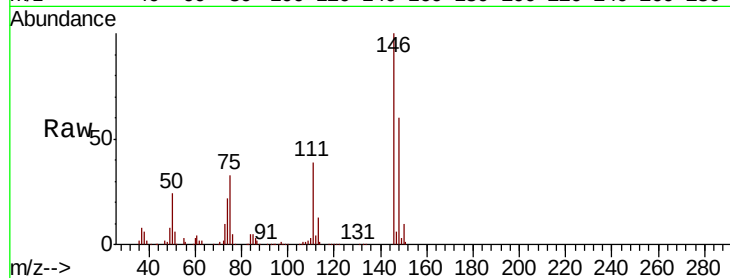
Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.0	57.0
148	59.9	30.8	92.3



#88

1,4-Dichlorobenzene

Concen: 20.550 ug/l

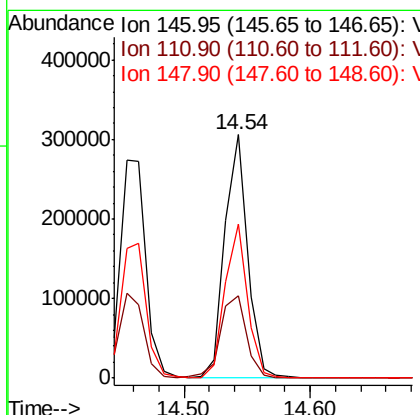
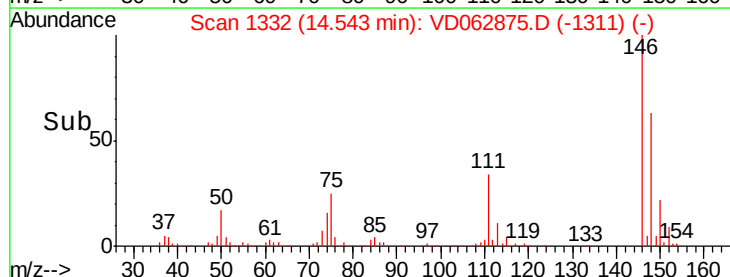
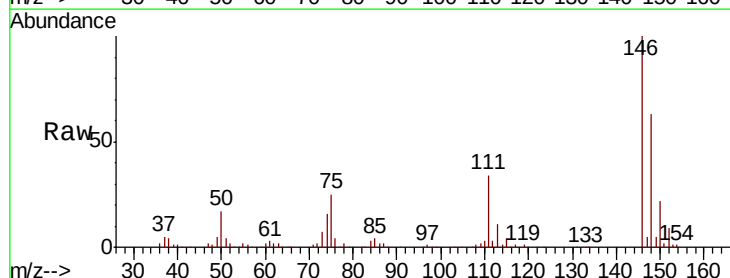
RT: 14.54 min Scan# 1332

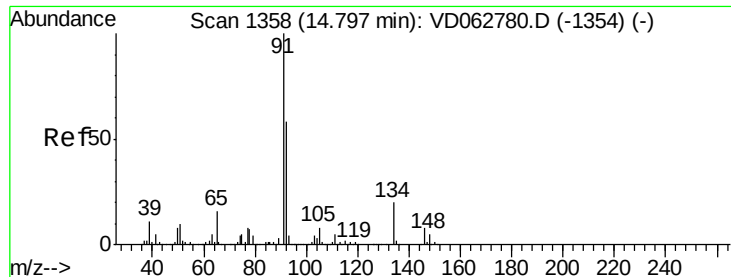
Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.7	19.7	59.1
148	63.2	32.8	98.3





#89

n-Butylbenzene

Concen: 20.067 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

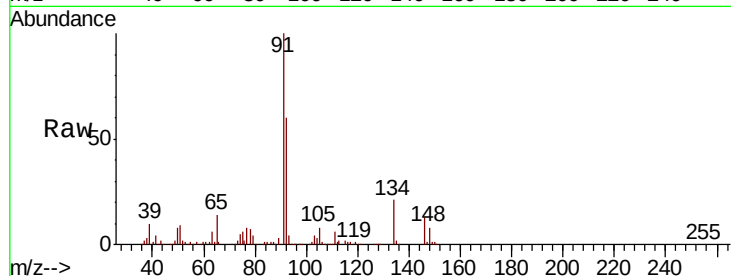
Tot Ion: 91 Resp: 676112

Ion Ratio Lower Upper

91 100

92 59.6 28.9 86.7

134 20.6 10.1 30.3

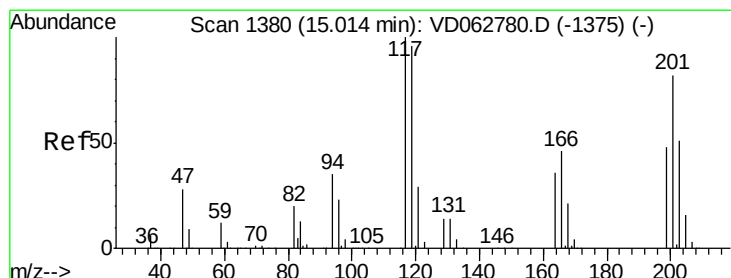
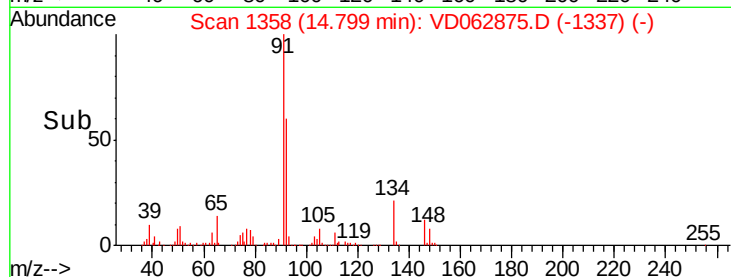


Abundance Ion 91.00 (90.70 to 91.70): VD062875.D (-1354) (-)

Ion 92.00 (91.70 to 92.70): VD062875.D (-1354) (-)

Ion 134.10 (133.80 to 134.80): VD062875.D (-1354) (-)

Time-->



#90

Hexachloroethane

Concen: 18.877 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062875.D

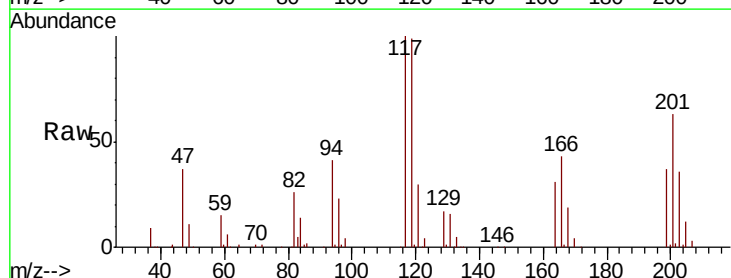
Acq: 25 Jun 2019 13:25

Tgt Ion: 117 Resp: 182712

Ion Ratio Lower Upper

117 100

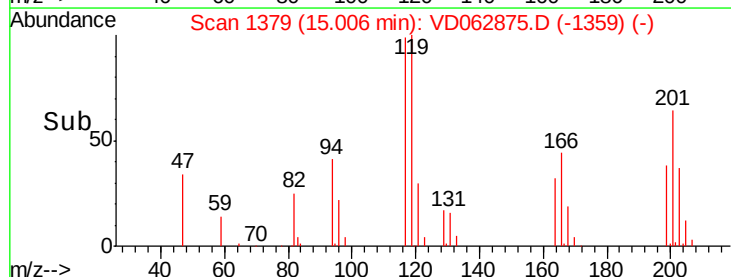
201 63.5 40.8 122.2

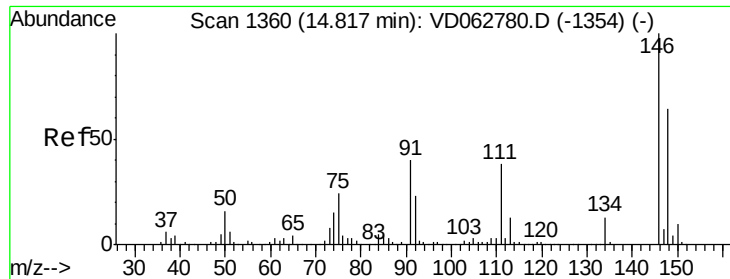


Abundance Ion 116.85 (116.55 to 117.55): VD062875.D (-1359) (-)

Ion 200.75 (200.45 to 201.45): VD062875.D (-1359) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 21.434 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBSD01

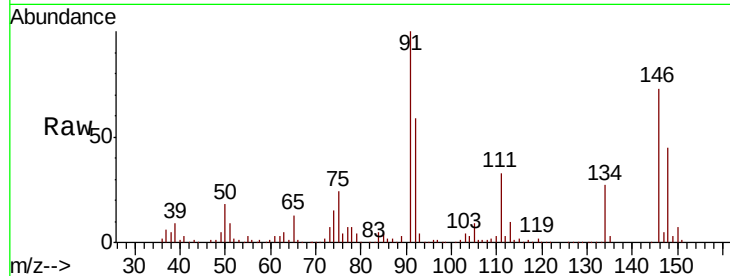
Tot Ion:146 Resp: 341903

Ion Ratio Lower Upper

146 100

111 45.5 19.1 57.1

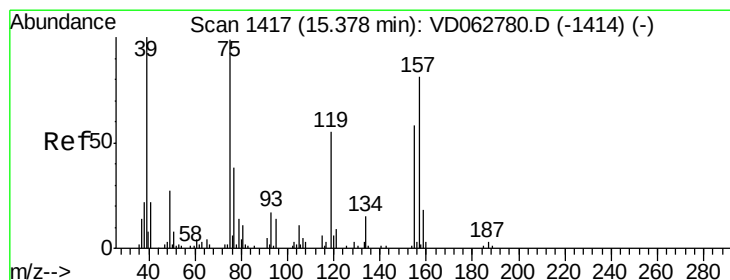
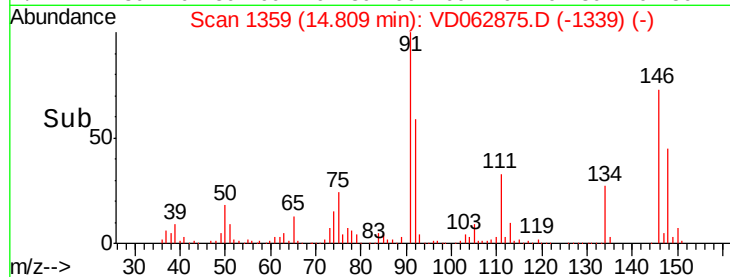
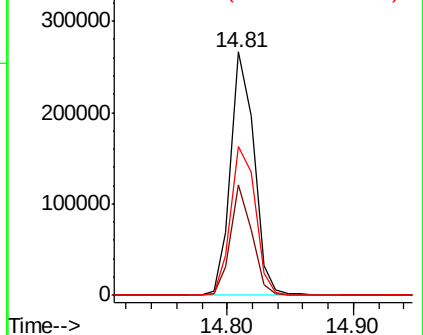
148 60.9 32.3 96.8



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: 21.677 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VD062875.D

Acq: 25 Jun 2019 13:25

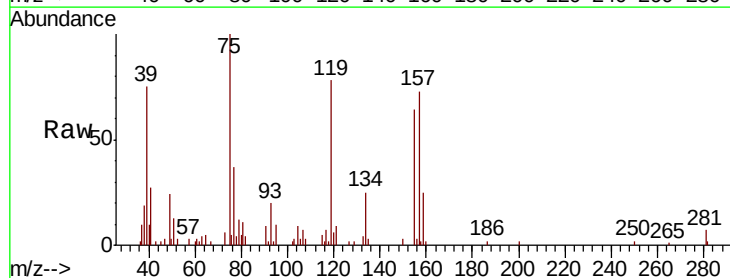
Tgt Ion: 75 Resp: 26657

Ion Ratio Lower Upper

75 100

155 63.8 29.3 87.8

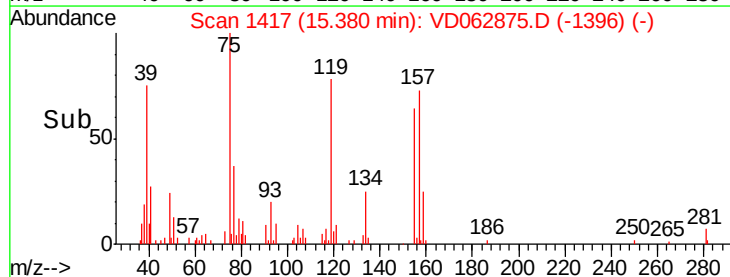
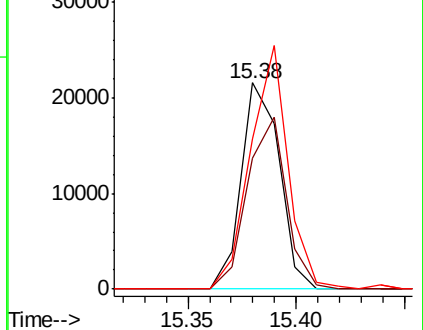
157 72.7 41.3 123.7

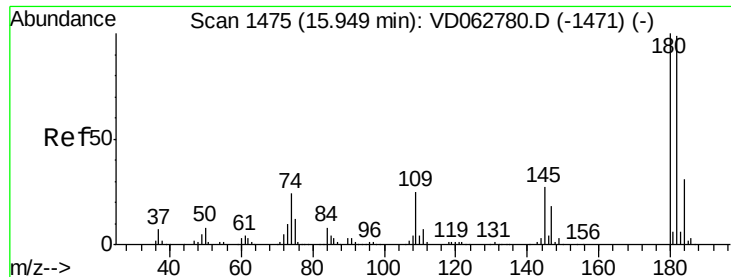


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

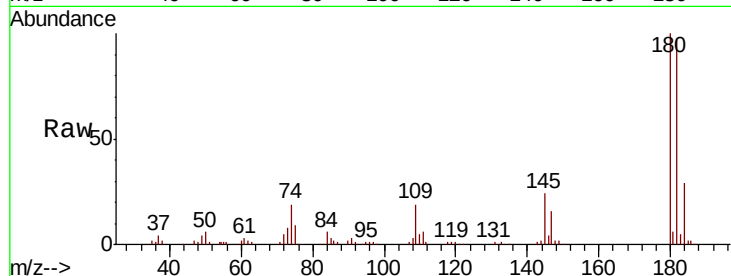




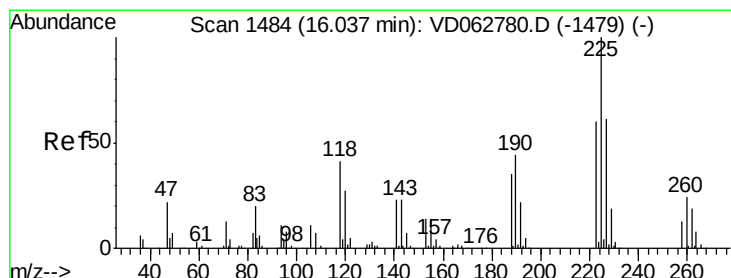
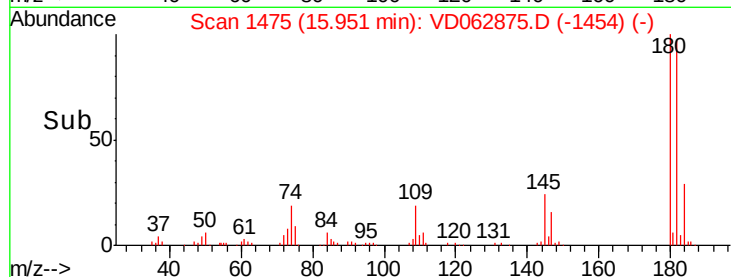
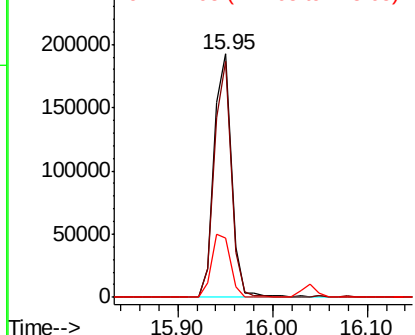
#93
 1,2,4-Trichlorobenzene
 Concen: 20.065 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBSD01

Tot Ion:180 Resp: 250030
 Ion Ratio Lower Upper
 180 100
 182 96.7 49.5 148.5
 145 24.2 13.7 41.0

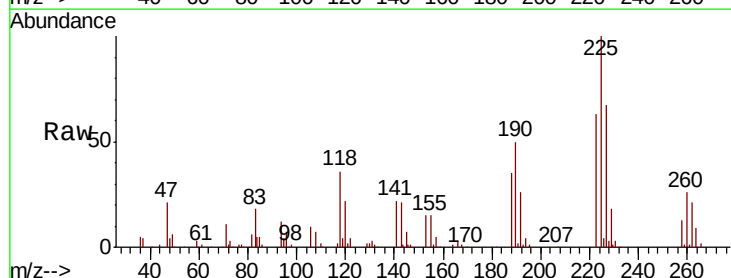


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

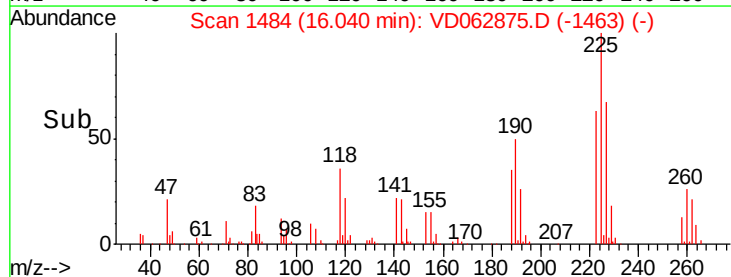
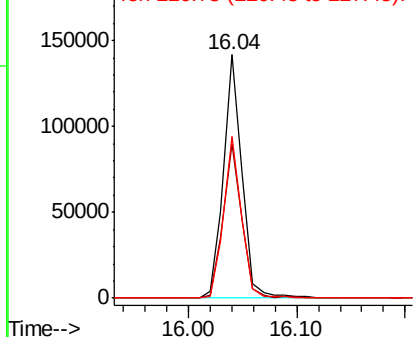


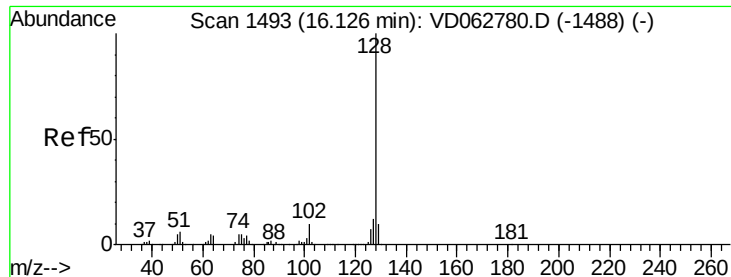
#94
 Hexachlorobutadiene
 Concen: 17.676 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062875.D
 Acq: 25 Jun 2019 13:25

Tgt Ion:225 Resp: 168269
 Ion Ratio Lower Upper
 225 100
 223 63.4 29.8 89.5
 227 66.6 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

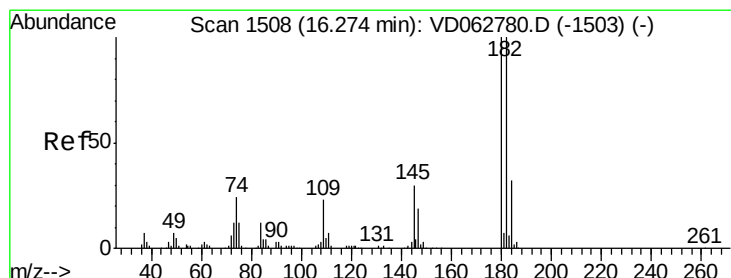
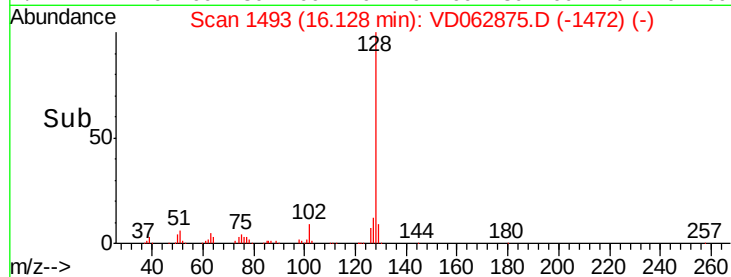
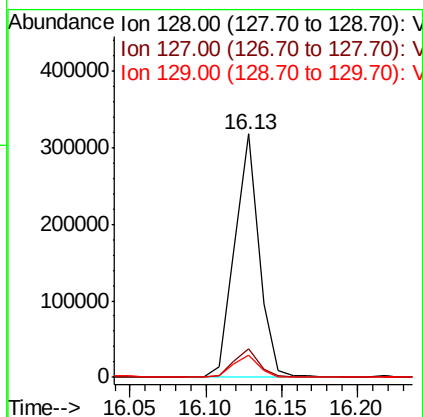
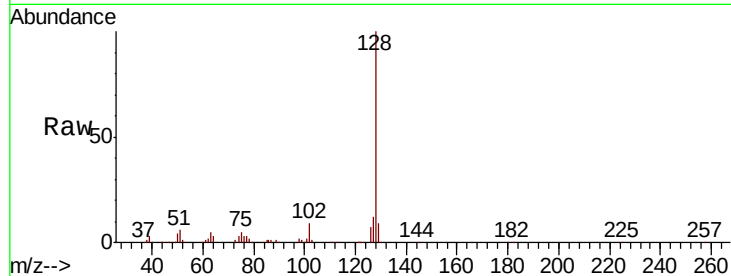




#95
Naphthalene
Concen: 20.403 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBSD01

Tot Ion:128 Resp: 356337
Ion Ratio Lower Upper
128 100
127 11.5 9.7 14.5
129 9.0 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 21.109 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062875.D
Acq: 25 Jun 2019 13:25

Tgt Ion:180 Resp: 202100
Ion Ratio Lower Upper
180 100
182 97.9 49.9 149.6
145 30.3 15.2 45.5

