

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062872.D
 Acq On : 25 Jun 2019 12:04
 Operator : VA/AP
 Sample : VD0625SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Quant Time: Jun 26 05:32:44 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	930568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1264944	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	1055371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	570400	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	501283	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	6.93	113	523745	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.42	98	1133218	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	13.56	95	526446	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	263309	21.866	ug/l	96
3) Chloromethane	1.74	50	172077	19.001	ug/l	91
4) Vinyl Chloride	1.84	62	173357	19.306	ug/l	97
5) Bromomethane	2.15	94	60255	14.329	ug/l	90
6) Chloroethane	2.27	64	83633	20.573	ug/l	96
7) Trichlorofluoromethane	2.52	101	349979	19.259	ug/l	97
8) Diethyl Ether	2.88	74	46881	20.304	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	203954	20.717	ug/l #	85
10) Methyl Iodide	3.30	142	244271	18.807	ug/l	99
11) Tert butyl alcohol	4.10	59	42605	92.481	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	157202	21.286	ug/l	95
13) Acrolein	3.04	56	43676	92.866	ug/l	83
14) Allyl chloride	3.61	41	212754	19.496	ug/l	90
15) Acrylonitrile	4.20	53	115860	107.030	ug/l	94
16) Acetone	3.23	43	202759	94.495	ug/l	98
17) Carbon Disulfide	3.37	76	460267	19.500	ug/l	96
18) Methyl Acetate	3.64	43	87061	28.512	ug/l #	85
19) Methyl tert-butyl Ether	4.24	73	347129	21.712	ug/l	100
20) Methylene Chloride	3.81	84	167374	21.697	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	166417	21.163	ug/l	98
22) Diisopropyl ether	5.13	45	468302	21.102	ug/l #	96
23) Vinyl Acetate	5.06	43	1425990	102.687	ug/l	98
24) 1,1-Dichloroethane	4.99	63	295627	20.460	ug/l	99
25) 2-Butanone	6.09	43	199568	105.489	ug/l #	91
26) 2,2-Dichloropropane	6.03	77	298486	19.490	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	171779	20.657	ug/l	91
28) Bromochloromethane	6.44	49	114094	22.420	ug/l	95
29) Tetrahydrofuran	6.47	42	93977	104.990	ug/l	98
30) Chloroform	6.68	83	362355	20.621	ug/l	89
31) Cyclohexane	6.96	56	195471	20.579	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	357571	19.537	ug/l	95
36) 1,1-Dichloropropene	7.15	75	244910	20.453	ug/l	91
37) Ethyl Acetate	6.19	43	100530	19.310	ug/l	96
38) Carbon Tetrachloride	7.12	117	356645	19.804	ug/l	95

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Jun 26 05:32:44 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	194987	18.499	ug/l	92
40) Benzene	7.46	78	497957	20.717	ug/l	99
41) Methacrylonitrile	6.47	41	134241	21.258	ug/l #	87
42) 1,2-Dichloroethane	7.58	62	262555	20.023	ug/l	98
43) Isopropyl Acetate	9.25	43	132487	21.104	ug/l #	96
44) Trichloroethene	8.55	130	184947	19.626	ug/l	89
45) 1,2-Dichloropropane	8.95	63	125365	20.975	ug/l	93
46) Dibromomethane	9.07	93	106203	20.686	ug/l	98
47) Bromodichloromethane	9.38	83	269433	20.207	ug/l	99
48) Methyl methacrylate	9.13	41	84211	18.876	ug/l	100
49) 1,4-Dioxane	9.09	88	15270	411.416	ug/l #	88
51) 4-Methyl-2-Pentanone	10.31	43	473364	106.352	ug/l	97
52) Toluene	10.52	92	341229	21.119	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	227671	20.861	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	235951	19.891	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	111136	20.021	ug/l	92
56) Ethyl methacrylate	11.05	69	120279	20.275	ug/l	97
57) 1,3-Dichloropropane	11.41	76	174802	20.566	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.87	63	335700	110.226	ug/l	95
59) 2-Hexanone	11.54	43	337021	106.319	ug/l	99
60) Dibromochloromethane	11.70	129	198734	19.221	ug/l	92
61) 1,2-Dibromoethane	11.81	107	135752	20.706	ug/l	98
64) Tetrachloroethene	11.26	164	178617	20.564	ug/l	97
65) Chlorobenzene	12.41	112	407141	20.787	ug/l	92
66) 1,1,1,2-Tetrachloroethane	12.52	131	182507	19.925	ug/l	91
67) Ethyl Benzene	12.53	91	717249	20.396	ug/l	98
68) m/p-Xylenes	12.67	106	528844	43.179	ug/l	96
69) o-Xylene	13.05	106	236993	21.167	ug/l	96
70) Styrene	13.07	104	405545	20.622	ug/l	97
71) Bromoform	13.24	173	128100	20.412	ug/l #	92
73) Isopropylbenzene	13.41	105	688042	18.813	ug/l	100
74) N-amyl acetate	13.27	43	186046	20.947	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	116340	19.524	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	139349	21.162	ug/l	98
77) Bromobenzene	13.68	156	198271	20.155	ug/l	97
78) n-propylbenzene	13.77	91	839220	19.715	ug/l	92
79) 2-Chlorotoluene	13.84	91	477162	19.615	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	655720	21.345	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	33900	19.643	ug/l	92
82) 4-Chlorotoluene	13.95	91	628449	21.458	ug/l	94
83) tert-Butylbenzene	14.20	119	678467	19.814	ug/l	96
84) 1,2,4-Trimethylbenzene	14.25	105	657801	20.891	ug/l	95
85) sec-Butylbenzene	14.37	105	759203	20.400	ug/l	96
86) p-Isopropyltoluene	14.49	119	700846	20.585	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	353385	20.040	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	324480	18.321	ug/l	95
89) n-Butylbenzene	14.80	91	609746	19.134	ug/l	98
90) Hexachloroethane	15.01	117	167557	18.304	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	305661	20.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	23562	20.258	ug/l #	56

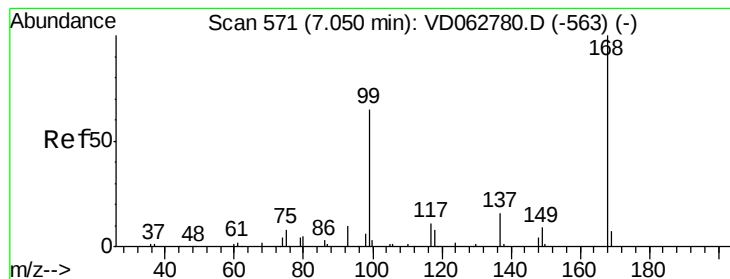
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062519\
Data File : VD062872.D
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	246456	20.912	ug/l	95
94) Hexachlorobutadiene	16.04	225	176871	19.645	ug/l	96
95) Naphthalene	16.13	128	344103	20.831	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	185359	20.470	ug/l	98

(#) = 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: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

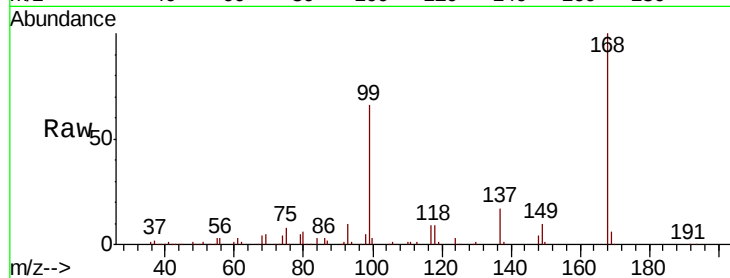
VD0625SBS01

Tot Ion:168 Resp: 930568

Ion Ratio Lower Upper

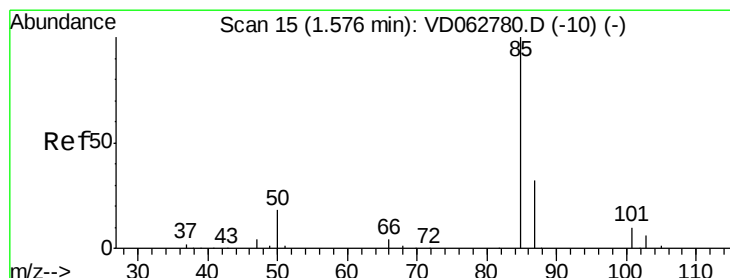
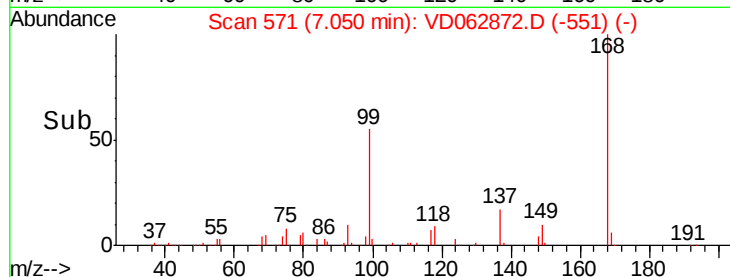
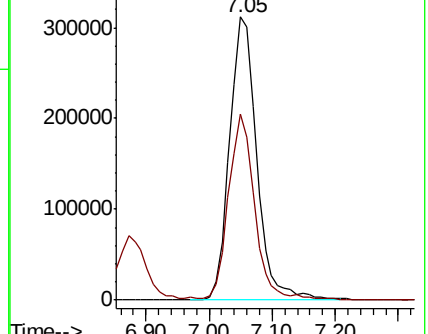
168 100

99 65.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.866 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062872.D

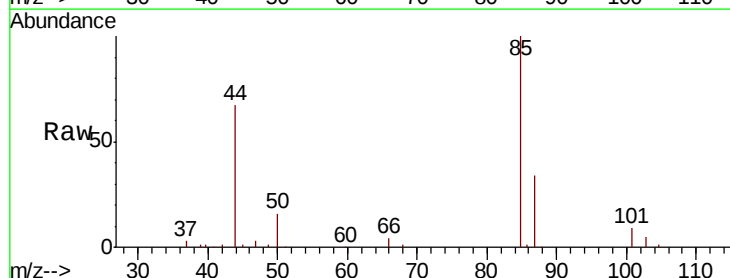
Acq: 25 Jun 2019 12:04

Tgt Ion: 85 Resp: 263309

Ion Ratio Lower Upper

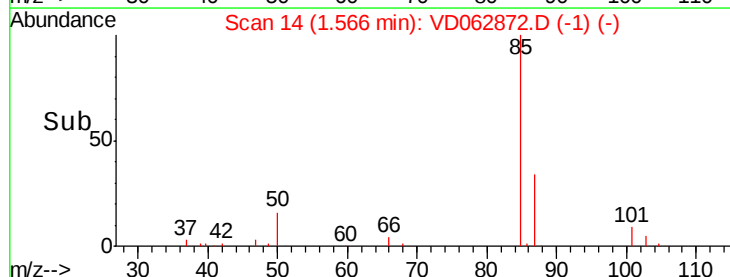
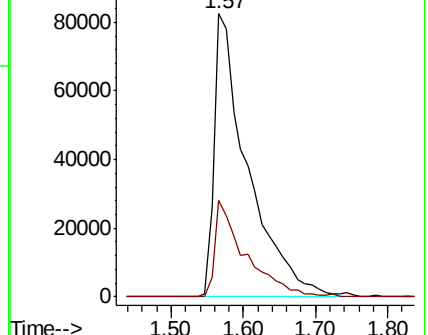
85 100

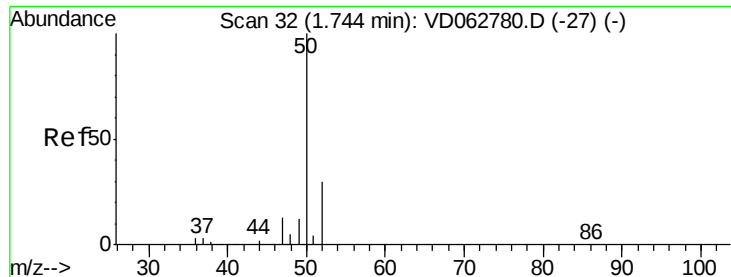
87 34.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.001 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

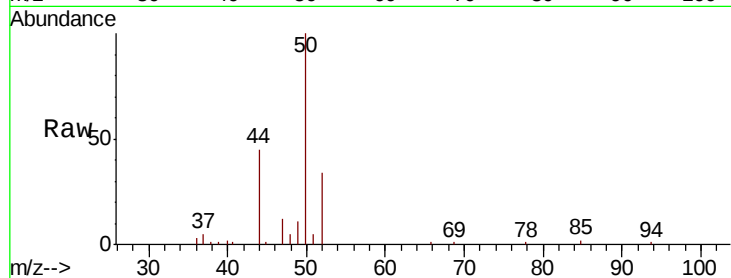
VD0625SBS01

Tot Ion: 50 Resp: 172077

Ion Ratio Lower Upper

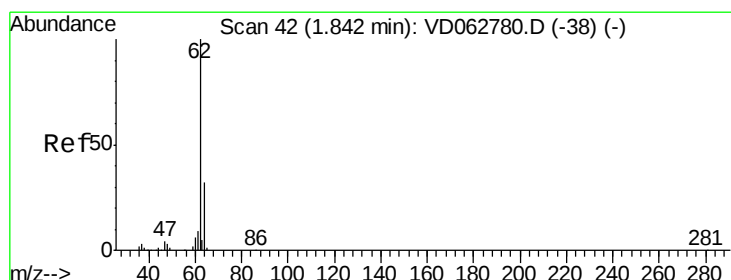
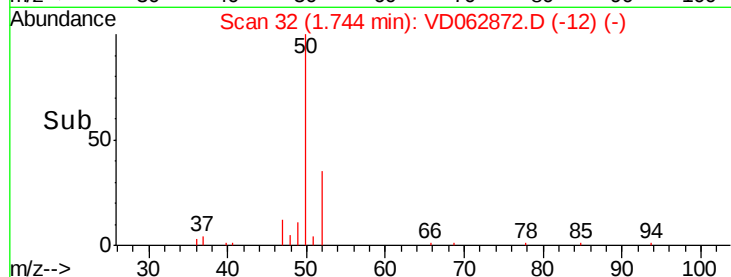
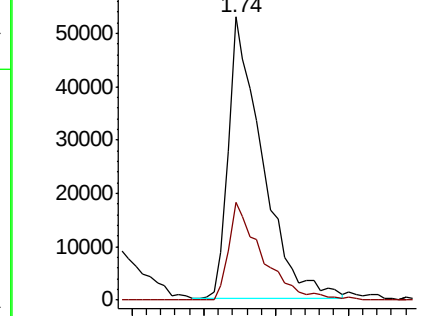
50 100

52 34.4 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: 19.306 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062872.D

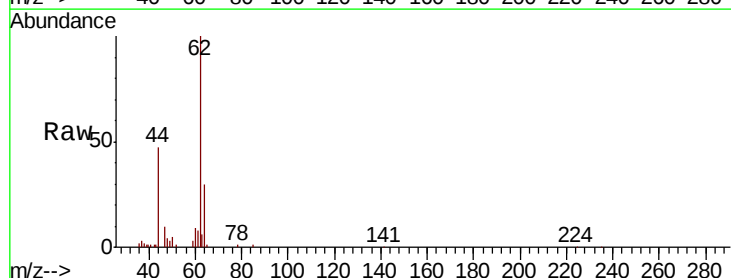
Acq: 25 Jun 2019 12:04

Tgt Ion: 62 Resp: 173357

Ion Ratio Lower Upper

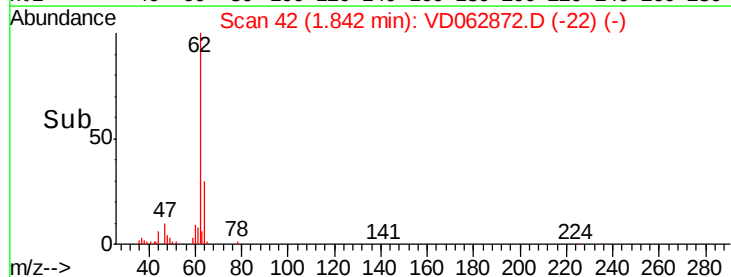
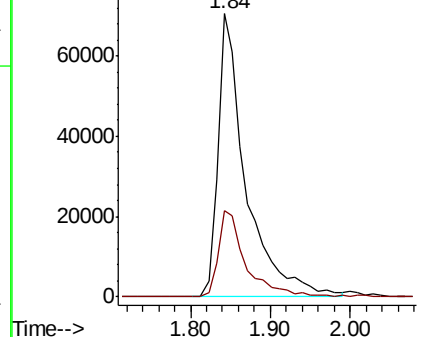
62 100

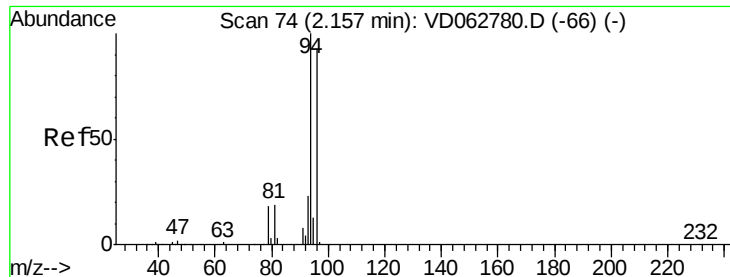
64 30.4 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.329 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

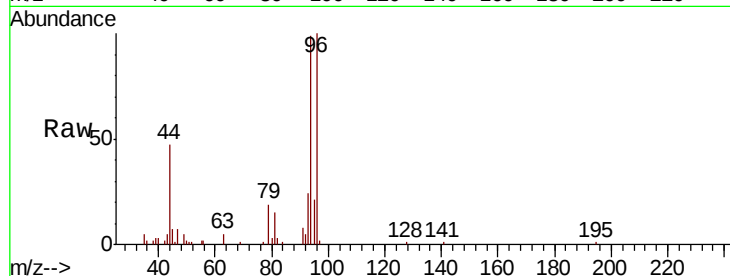
Tot Ion: 94 Resp: 60255

Ion Ratio Lower Upper

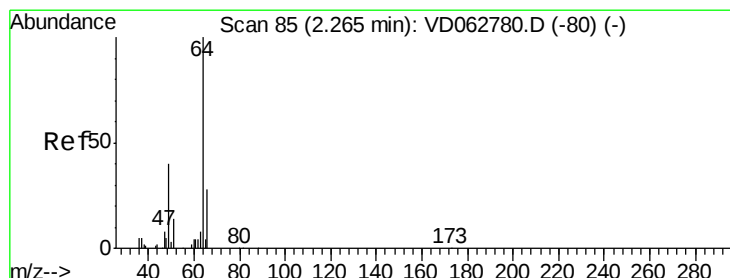
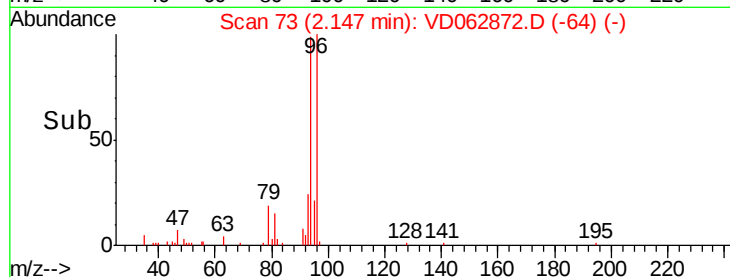
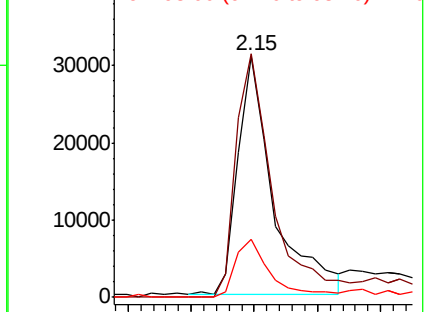
94 100

96 103.1 73.4 110.2

93 23.8 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: 20.573 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062872.D

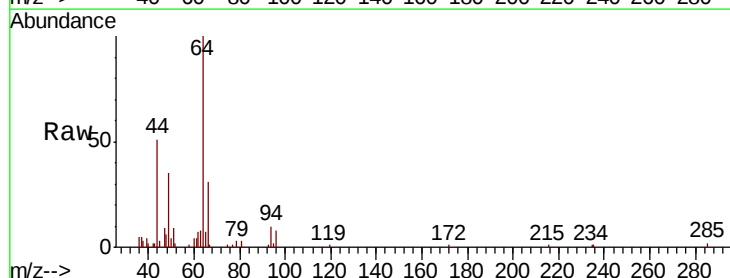
Acq: 25 Jun 2019 12:04

Tgt Ion: 64 Resp: 83633

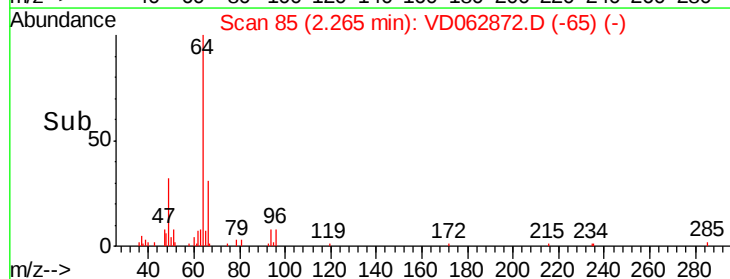
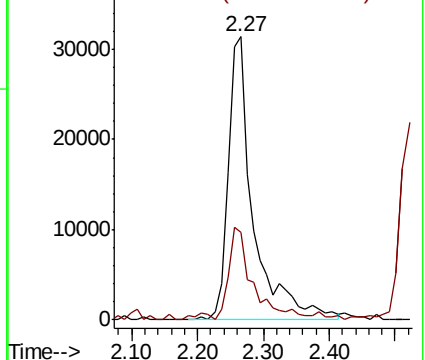
Ion Ratio Lower Upper

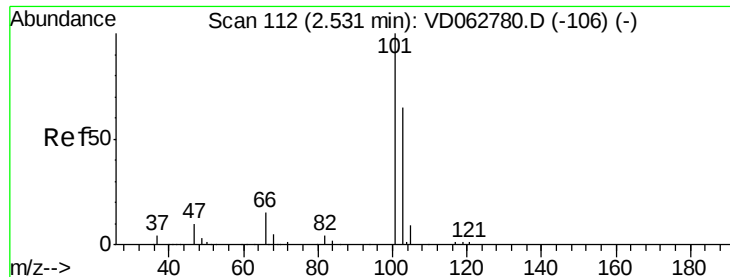
64 100

66 30.8 23.0 34.4



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



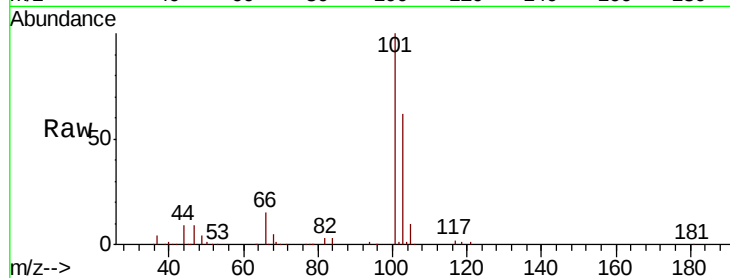


#7

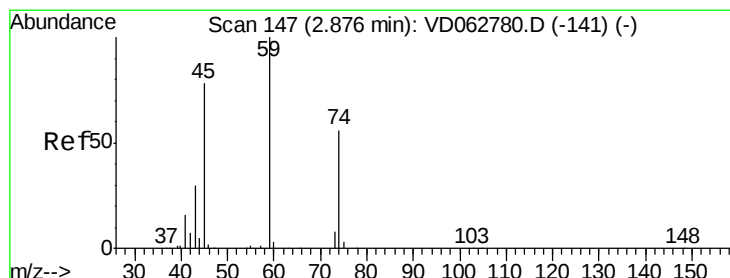
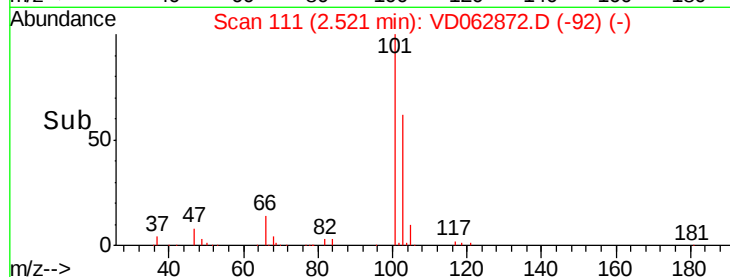
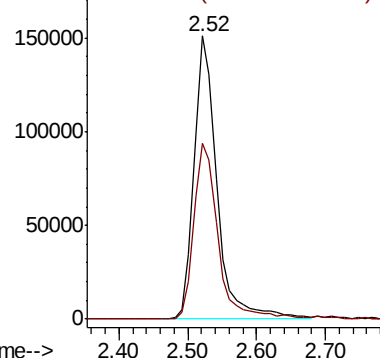
Trichlorofluoromethane
 Concen: 19.259 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Tot Ion:101 Resp: 349979
 Ion Ratio Lower Upper
 101 100
 103 62.2 51.8 77.8



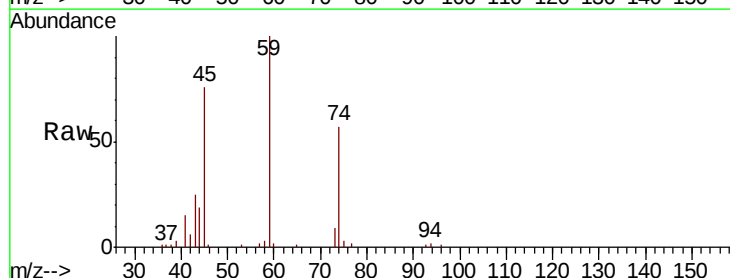
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



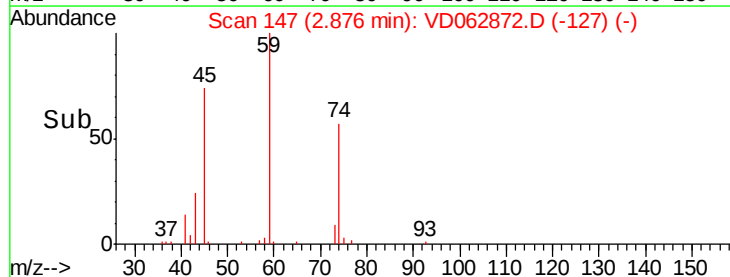
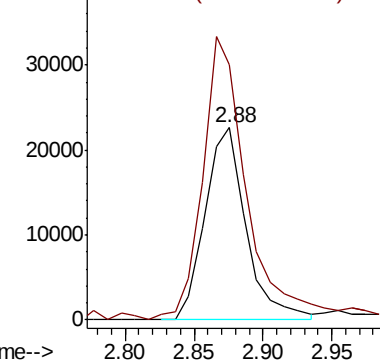
#8

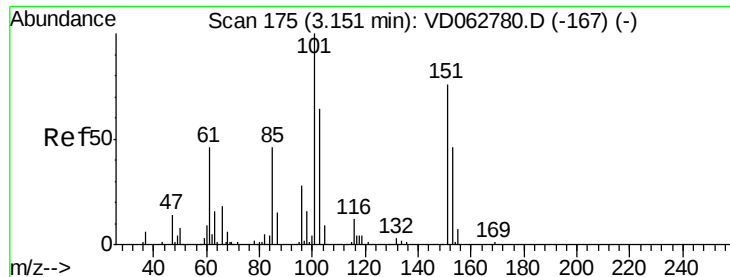
Diethyl Ether
 Concen: 20.304 ug/l
 RT: 2.88 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Tgt Ion: 74 Resp: 46881
 Ion Ratio Lower Upper
 74 100
 45 132.8 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.717 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

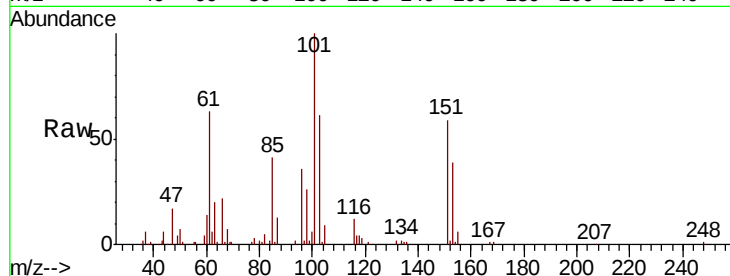
Tot Ion:101 Resp: 203954

Ion Ratio Lower Upper

101 100

85 41.0 37.0 55.4

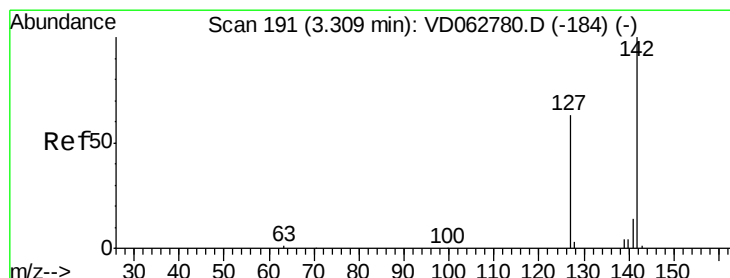
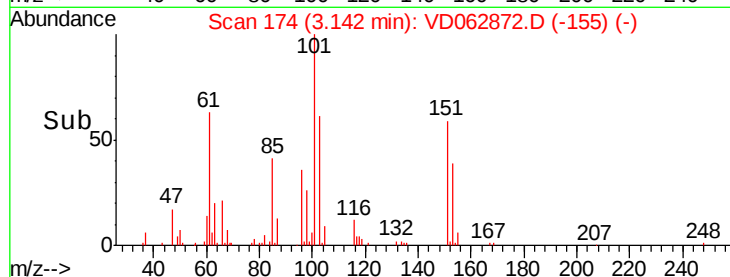
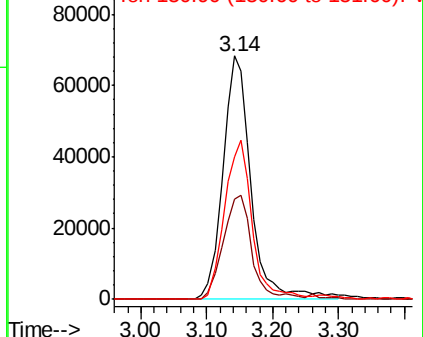
151 58.6 60.5 90.7#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.807 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

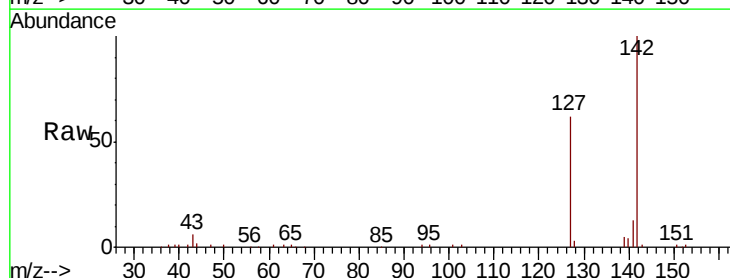
Tgt Ion:142 Resp: 244271

Ion Ratio Lower Upper

142 100

127 62.2 50.1 75.1

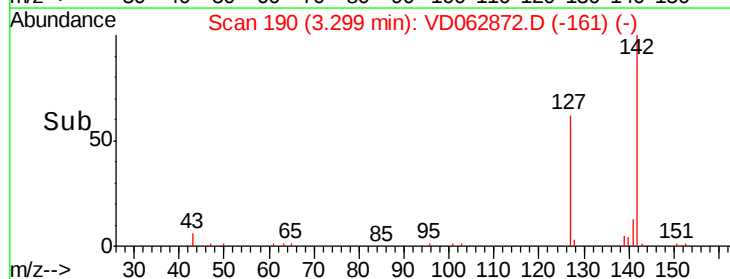
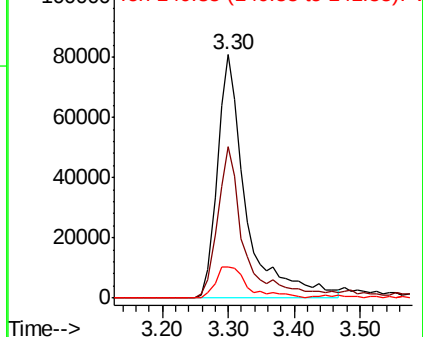
141 12.6 11.0 16.4



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



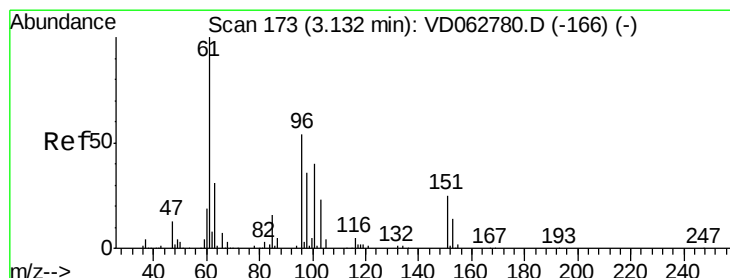
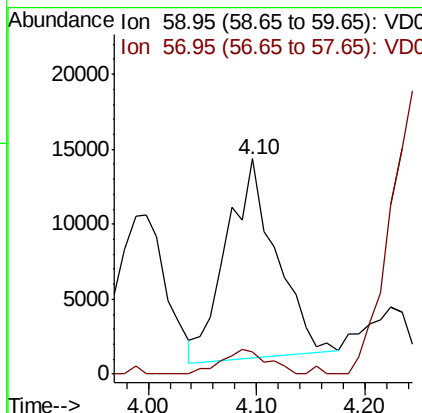
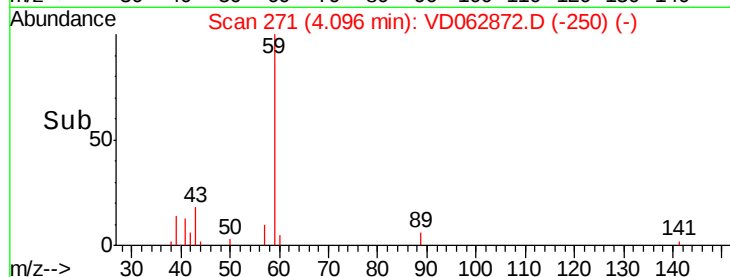
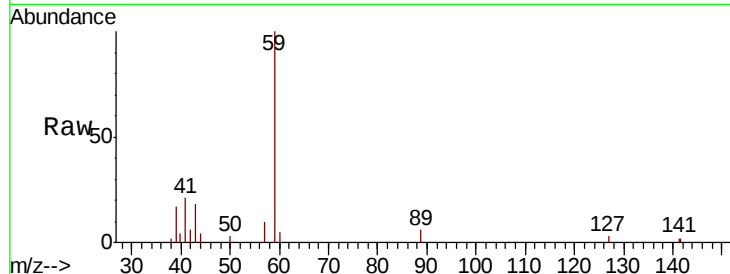


#11

Tert butyl alcohol
 Concen: 92.481 ug/l
 RT: 4.10 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

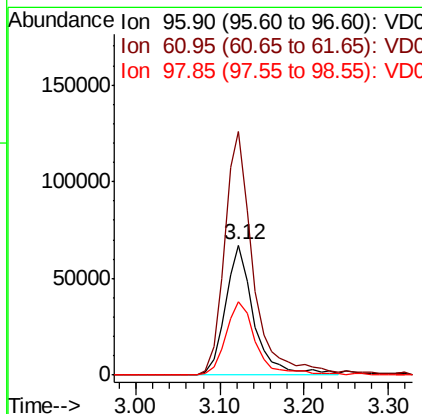
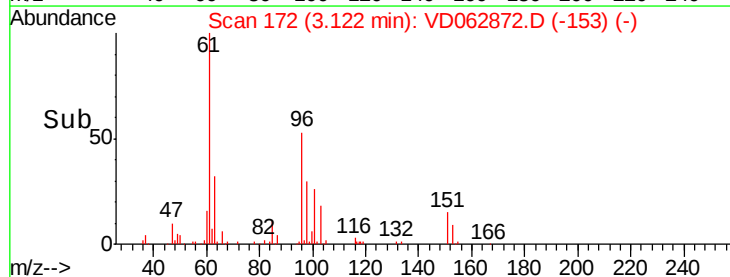
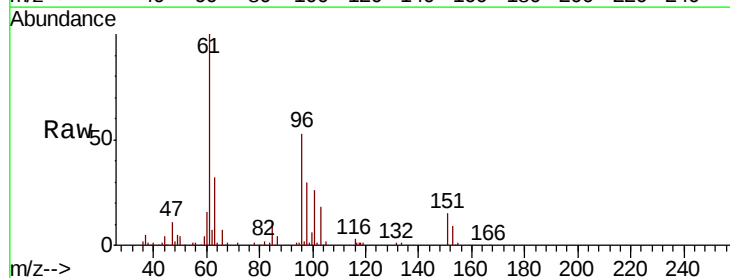
Tot Ion: 59 Resp: 42605
 Ion Ratio Lower Upper
 59 100
 57 10.3 6.6 10.0#

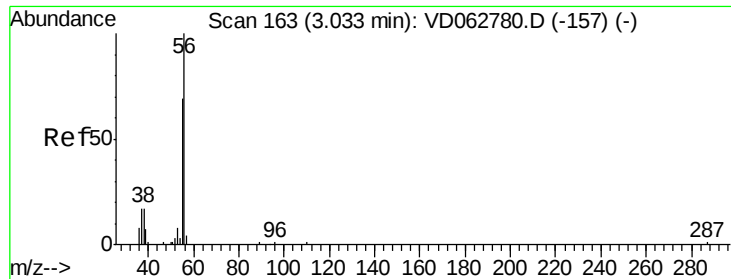


#12

1,1-Dichloroethene
 Concen: 21.286 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Tgt Ion: 96 Resp: 157202
 Ion Ratio Lower Upper
 96 100
 61 187.1 147.1 220.7
 98 56.7 52.6 79.0





#13

Acrolein

Concen: 92.866 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

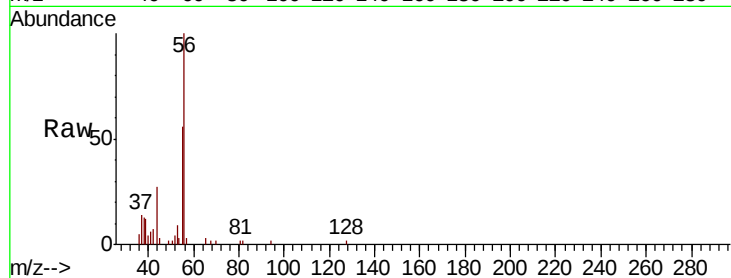
VD0625SBS01

Tot Ion: 56 Resp: 43676

Ion Ratio Lower Upper

56 100

55 55.7 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

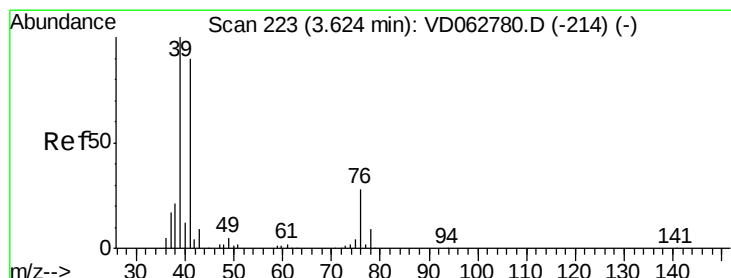
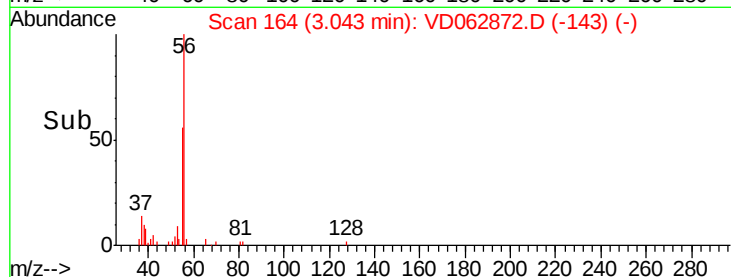
15000

10000

5000

0

Time--> 2.90 3.00 3.10



#14

Allyl chloride

Concen: 19.496 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

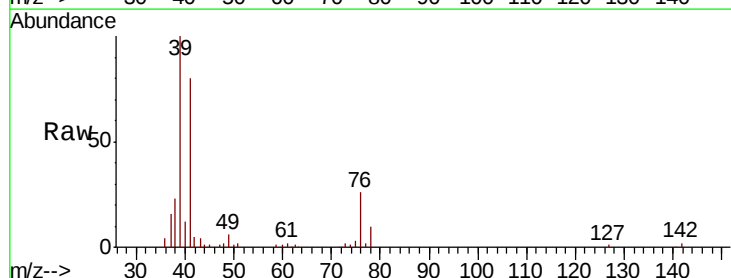
Tgt Ion: 41 Resp: 212754

Ion Ratio Lower Upper

41 100

39 124.6 88.8 133.2

76 32.3 26.7 40.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

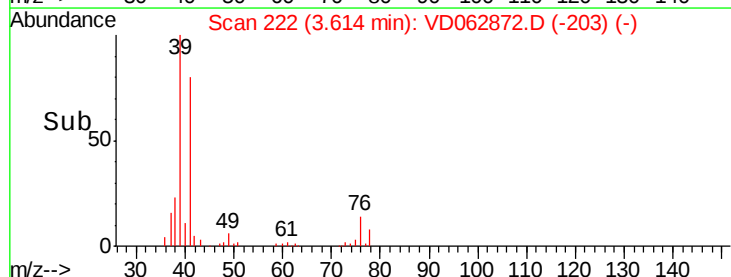
60000

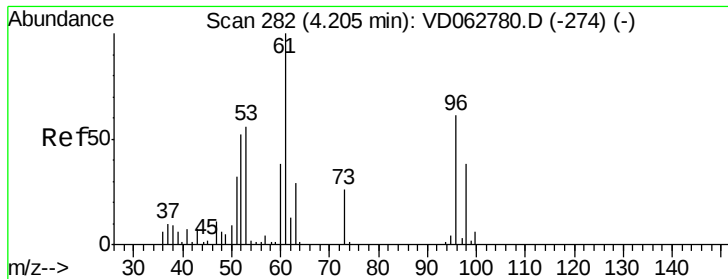
40000

20000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 107.030 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

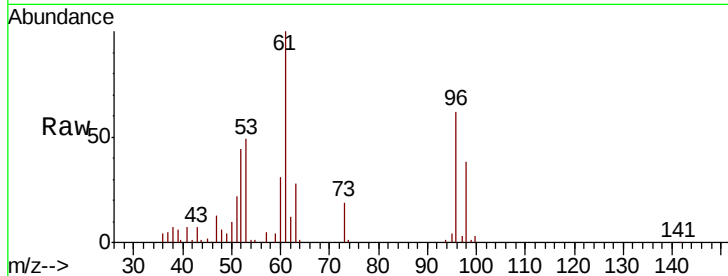
Tot Ion: 53 Resp: 115860

Ion Ratio Lower Upper

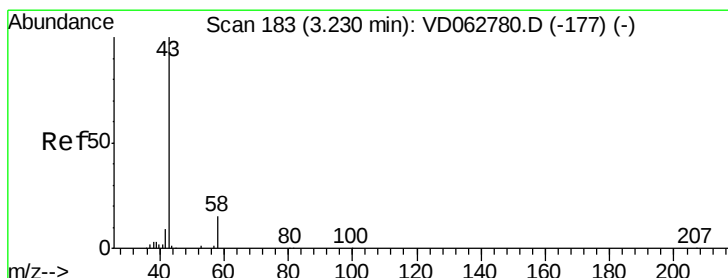
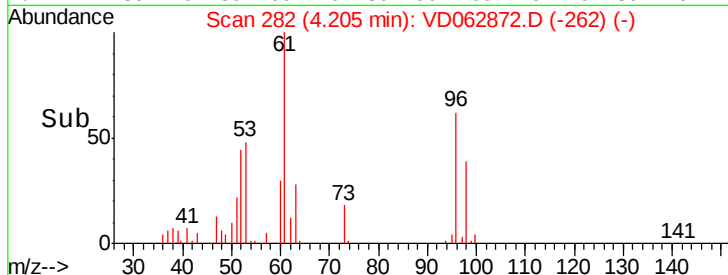
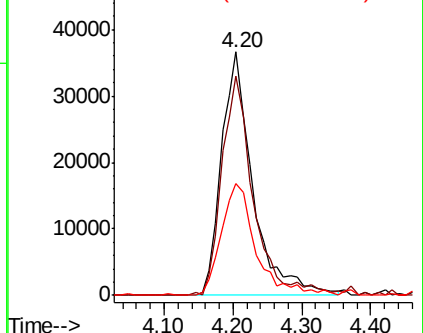
53 100

52 90.3 73.3 109.9

51 45.7 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: 94.495 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062872.D

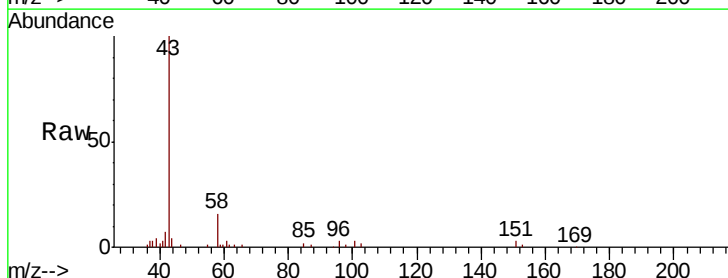
Acq: 25 Jun 2019 12:04

Tgt Ion: 43 Resp: 202759

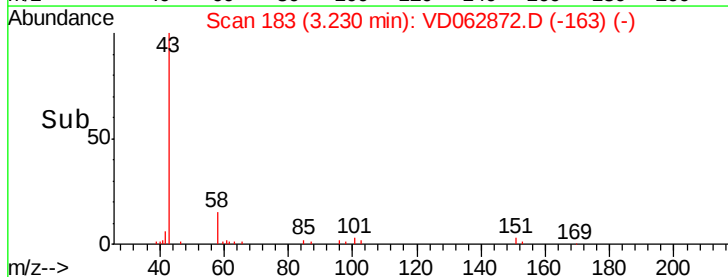
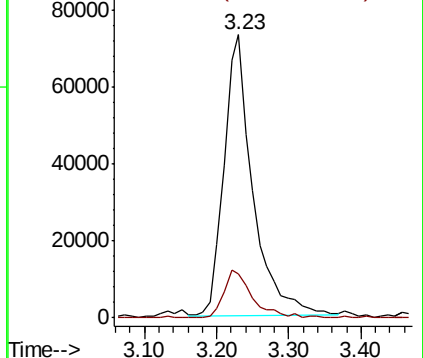
Ion Ratio Lower Upper

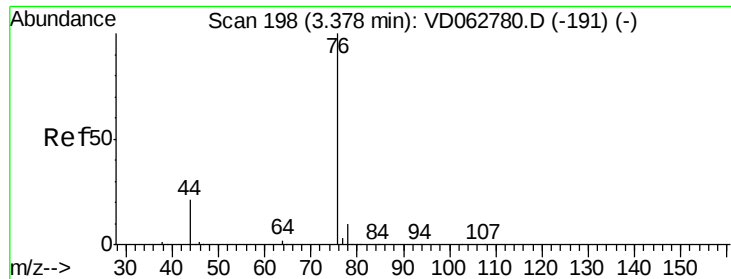
43 100

58 15.7 11.9 17.9



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

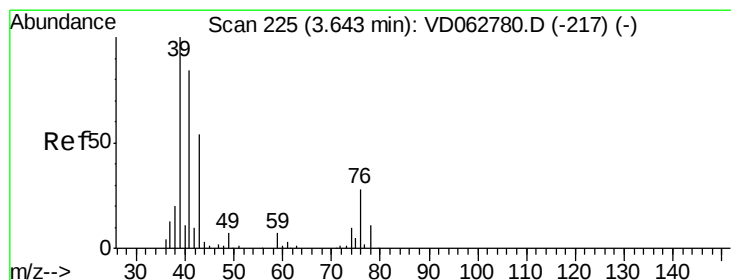
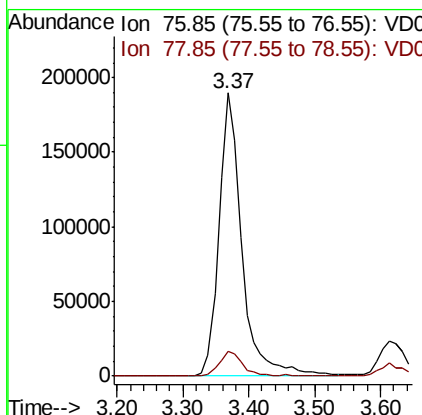
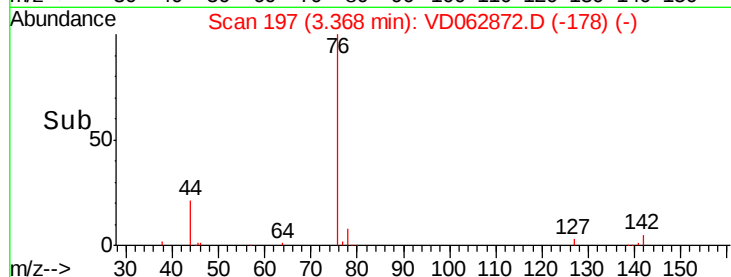
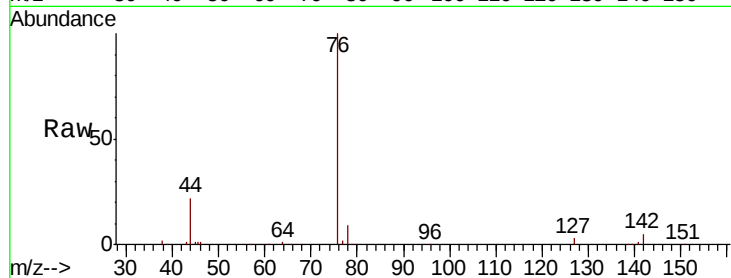




#17
Carbon Disulfide
Concen: 19.500 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

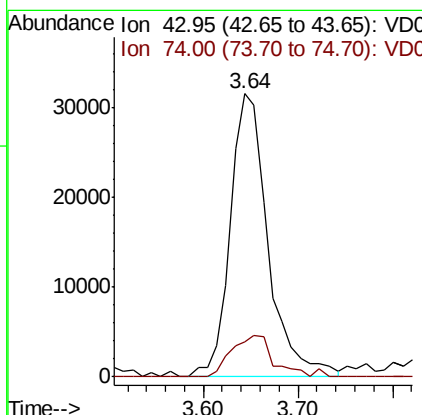
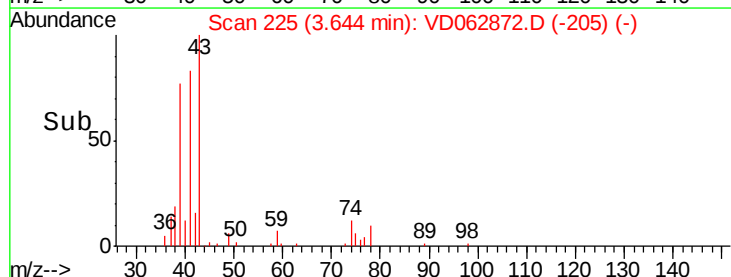
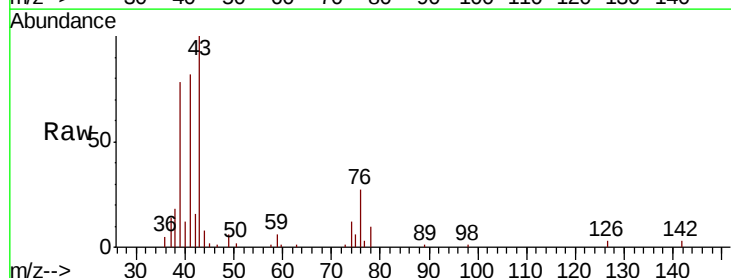
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

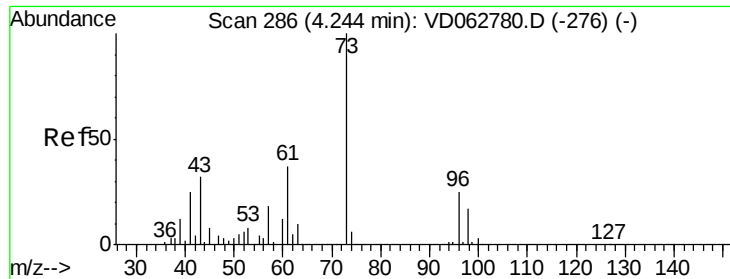
Tot Ion: 76 Resp: 460267
Ion Ratio Lower Upper
76 100
78 8.7 8.0 12.0



#18
Methyl Acetate
Concen: 28.512 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion: 43 Resp: 87061
Ion Ratio Lower Upper
43 100
74 12.3 15.2 22.8#

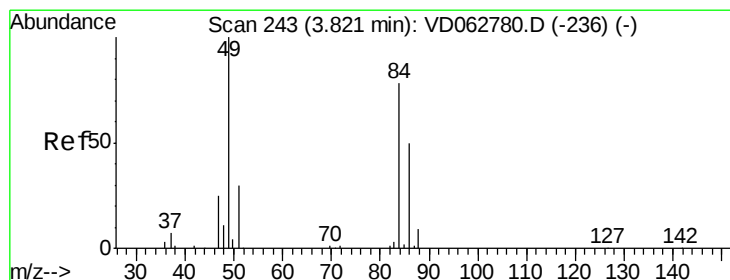
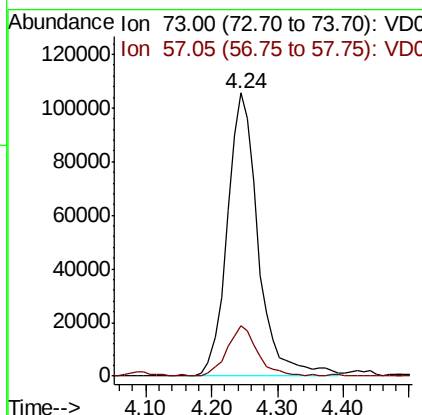
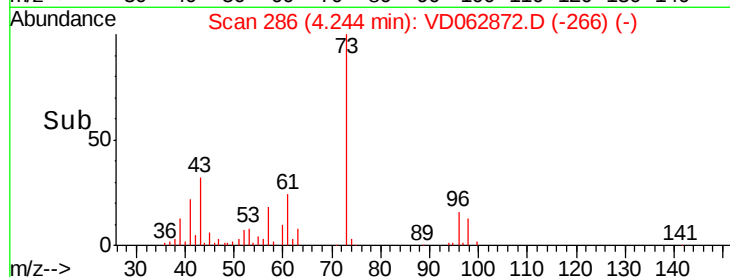
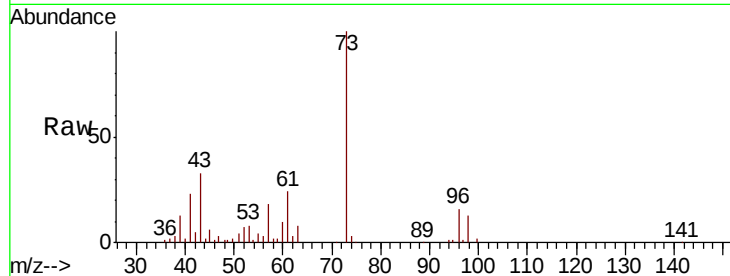




#19
Methyl tert-butyl Ether
Concen: 21.712 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

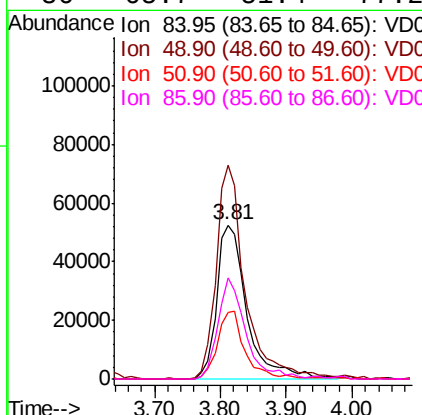
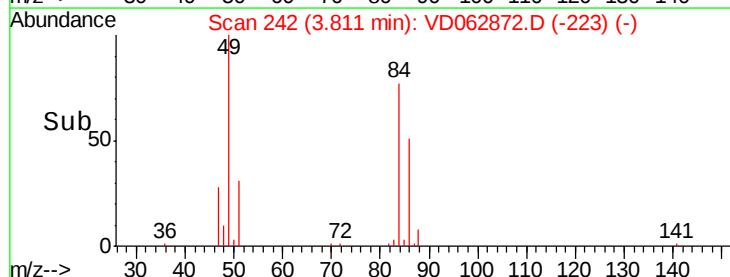
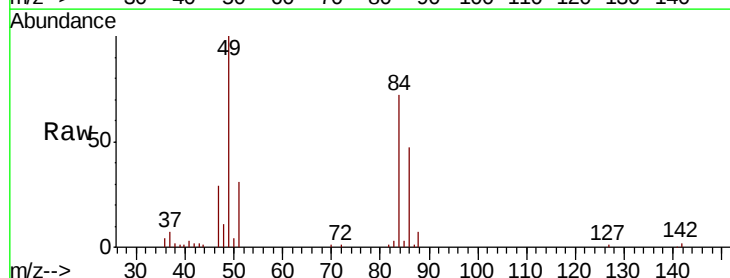
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

Tot Ion: 73 Resp: 347129
Ion Ratio Lower Upper
73 100
57 17.9 14.3 21.5



#20
Methylene Chloride
Concen: 21.697 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion: 84 Resp: 167374
Ion Ratio Lower Upper
84 100
49 138.7 102.9 154.3
51 43.1 31.2 46.8
86 65.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.163 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

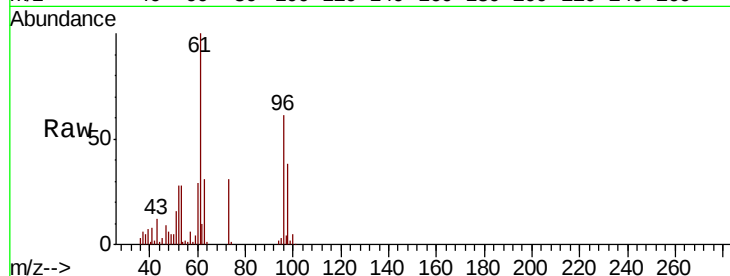
Tot Ion: 96 Resp: 166417

Ion Ratio Lower Upper

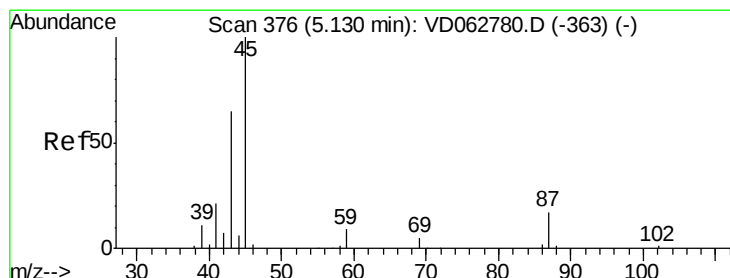
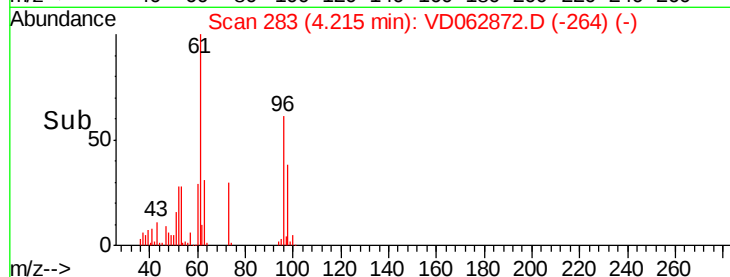
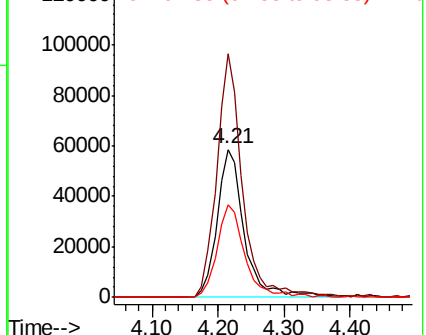
96 100

61 164.6 131.0 196.4

98 62.2 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: 21.102 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Tgt Ion: 45 Resp: 468302

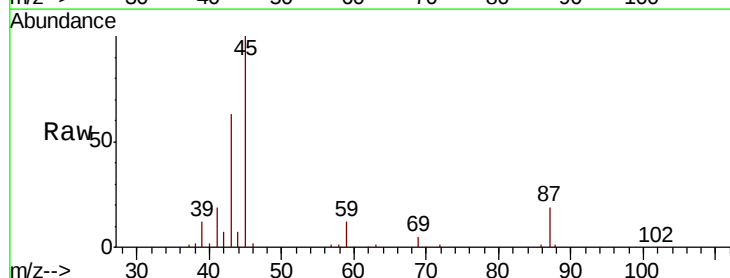
Ion Ratio Lower Upper

45 100

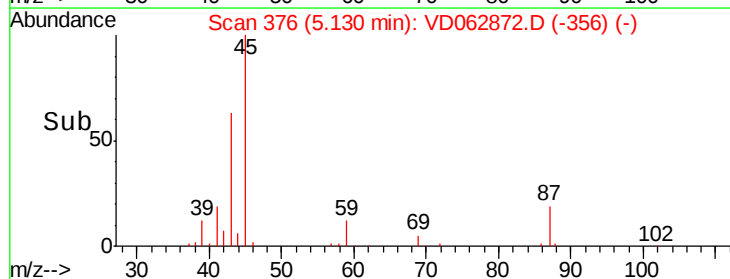
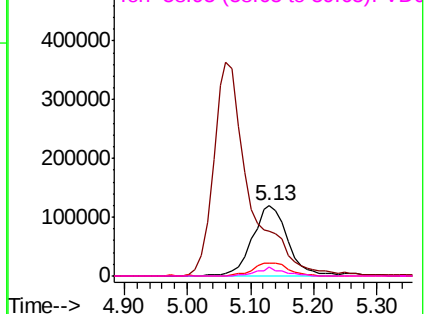
43 63.5 53.4 80.0

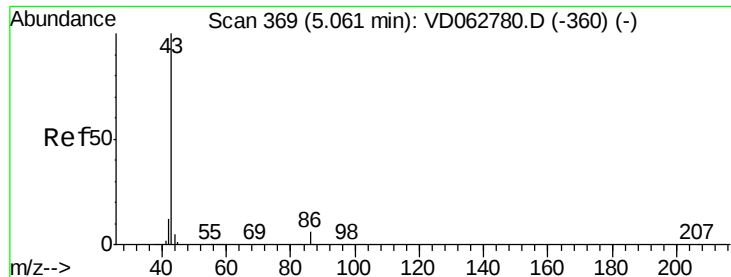
87 18.9 14.6 22.0

59 12.0 7.8 11.8#



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





#23

Vinyl Acetate

Concen: 102.687 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

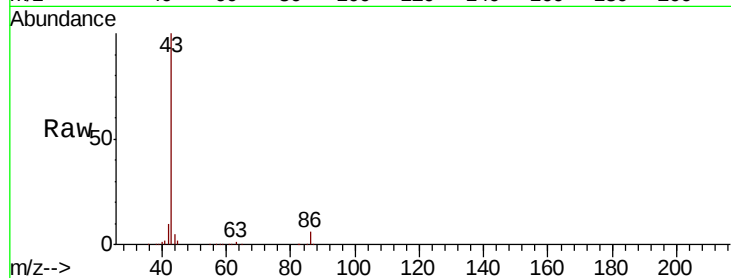
VD0625SBS01

Tot Ion: 43 Resp: 1425990

Ion Ratio Lower Upper

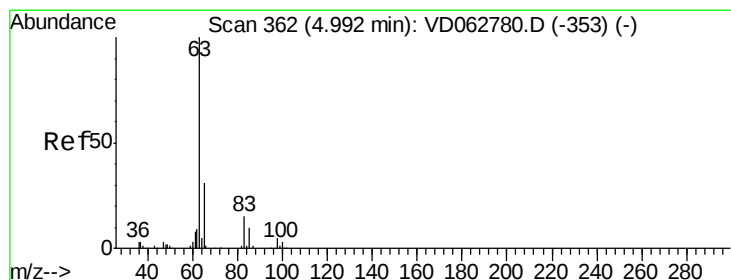
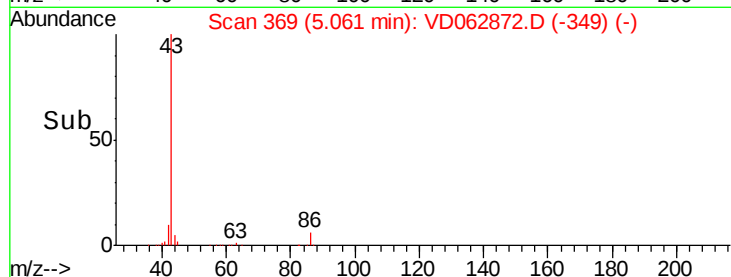
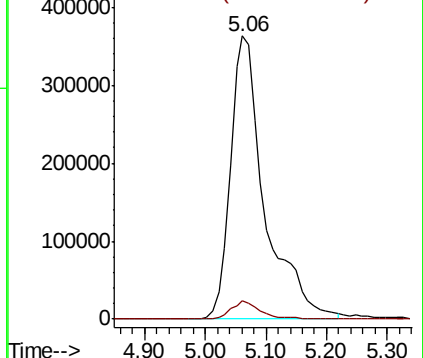
43 100

86 6.5 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: 20.460 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

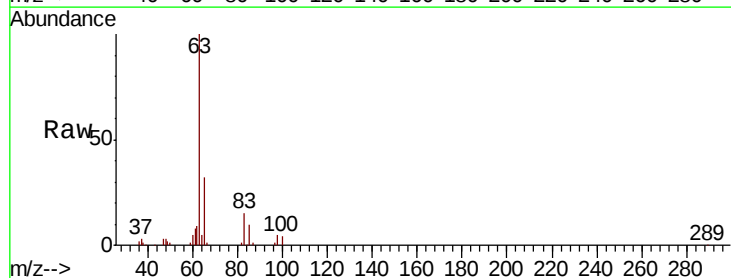
Tgt Ion: 63 Resp: 295627

Ion Ratio Lower Upper

63 100

98 5.0 2.3 6.9

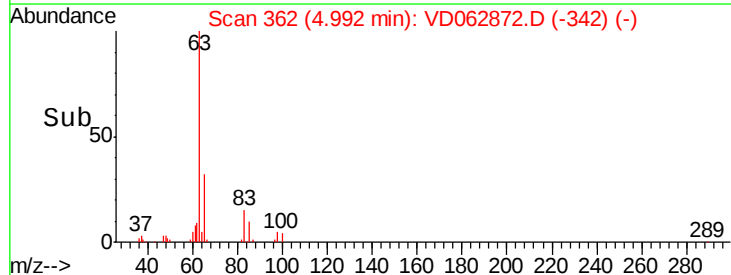
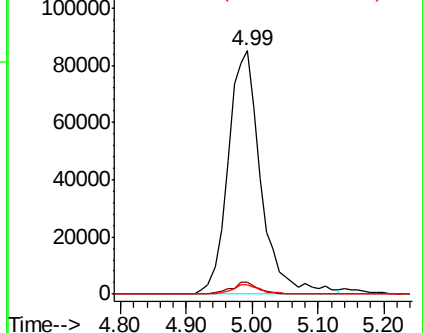
100 3.6 1.7 5.1

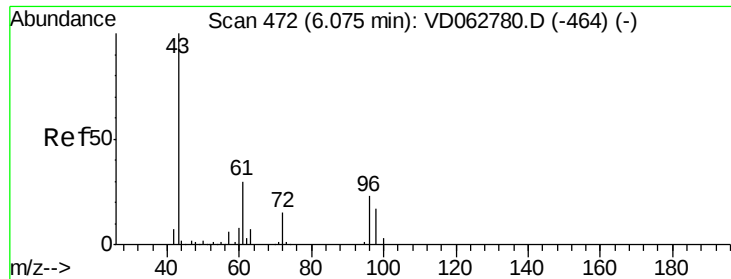


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 105.489 ug/l

RT: 6.09 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

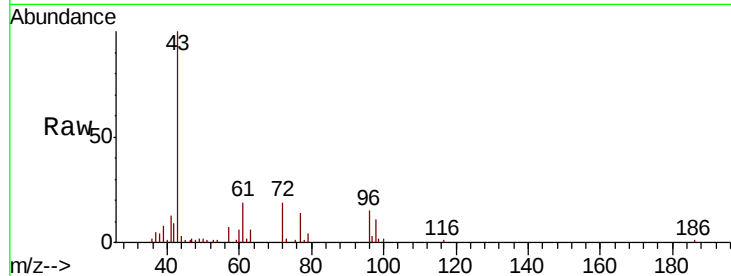
VD0625SBS01

Tot Ion: 43 Resp: 199568

Ion Ratio Lower Upper

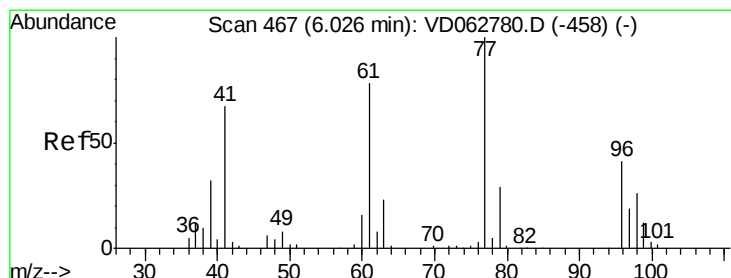
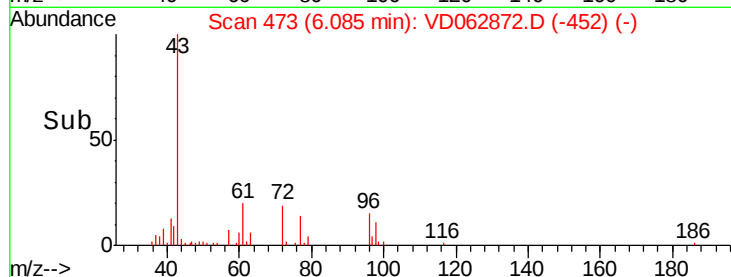
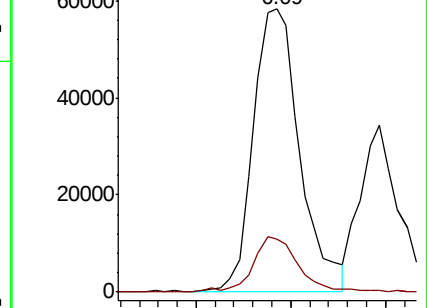
43 100

72 18.6 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.490 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062872.D

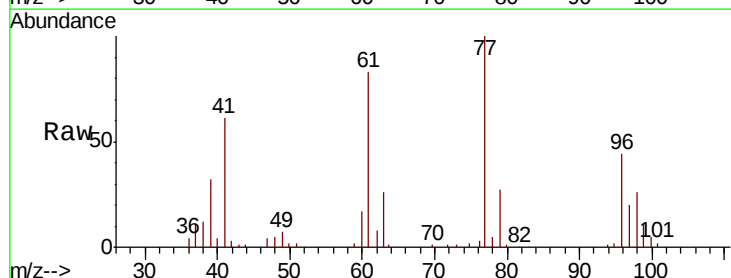
Acq: 25 Jun 2019 12:04

Tgt Ion: 77 Resp: 298486

Ion Ratio Lower Upper

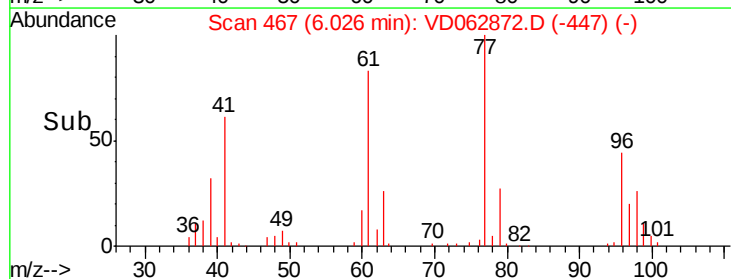
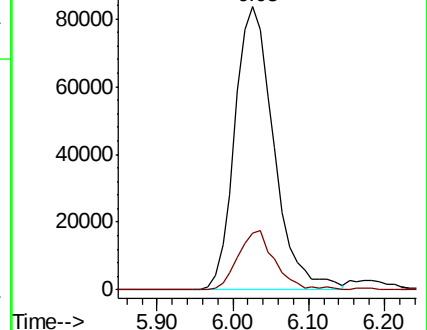
77 100

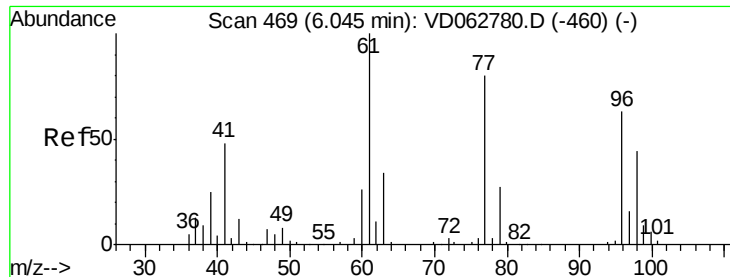
97 19.9 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



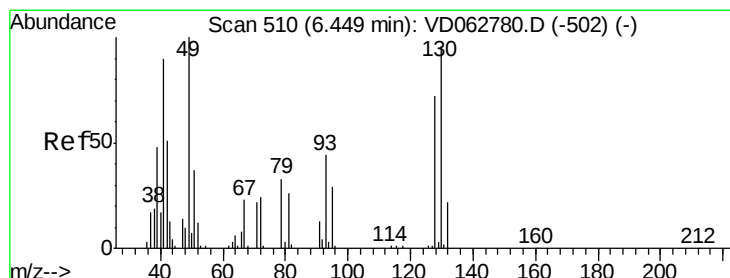
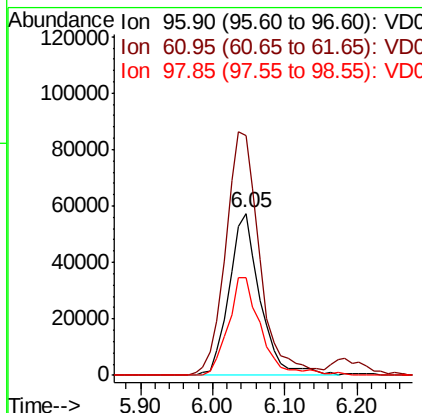
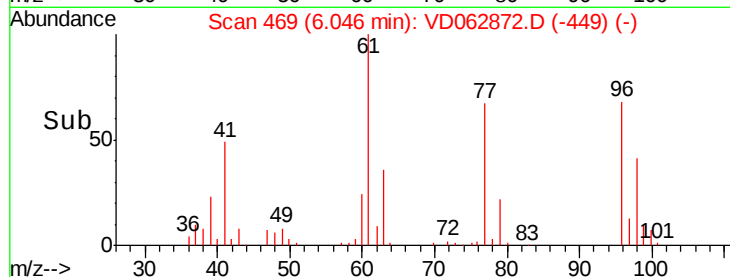
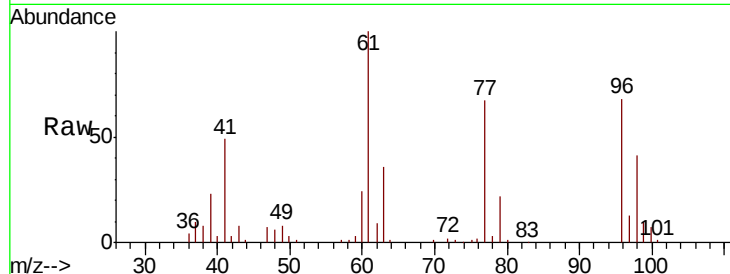


#27

cis-1,2-Dichloroethene
Concen: 20.657 ug/l
RT: 6.05 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

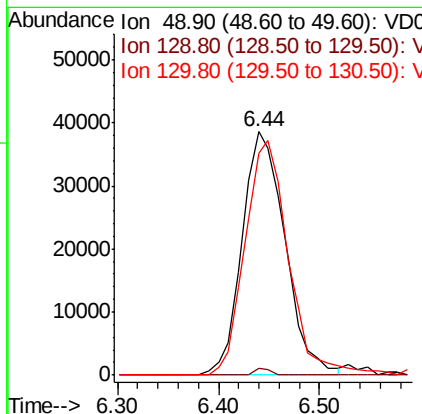
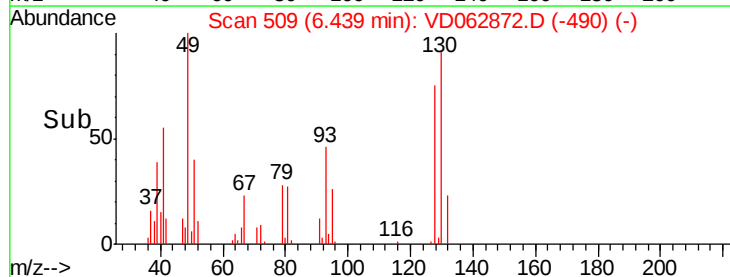
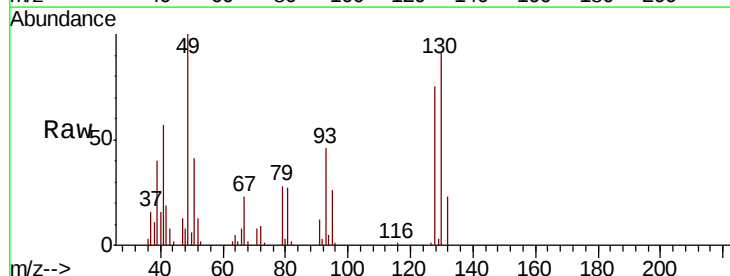
Tot Ion: 96 Resp: 171779
Ion Ratio Lower Upper
96 100
61 147.6 0.0 316.0
98 59.9 0.0 138.4

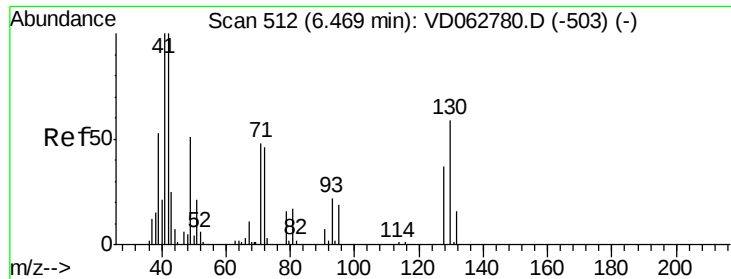


#28

Bromochloromethane
Concen: 22.420 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion: 49 Resp: 114094
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.6
130 90.9 76.6 114.8

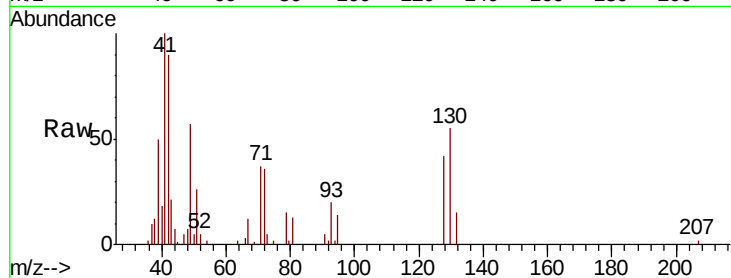




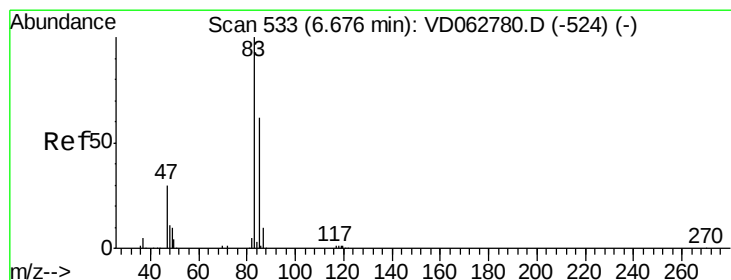
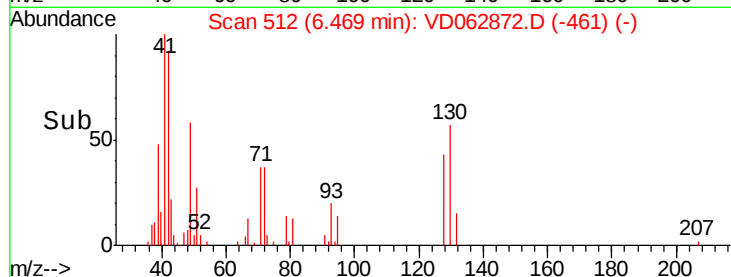
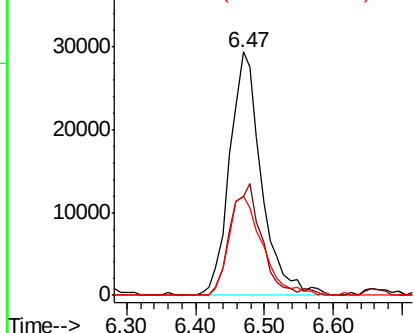
#29
Tetrahydrofuran
Concen: 104.990 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.0	52.6
71	43.4	33.3	49.9

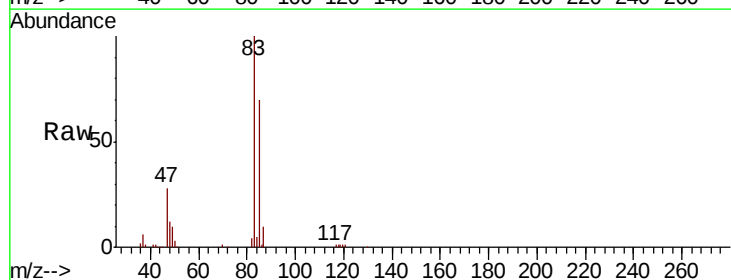


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

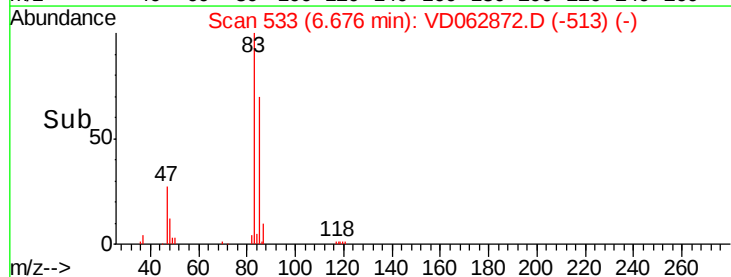
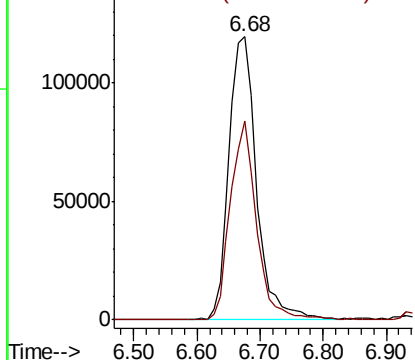


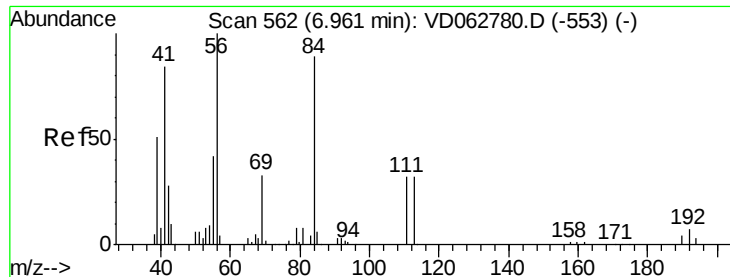
#30
Chloroform
Concen: 20.621 ug/l
RT: 6.68 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.4	49.8	74.6



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

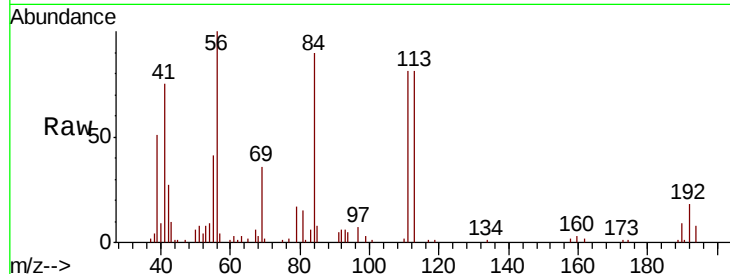




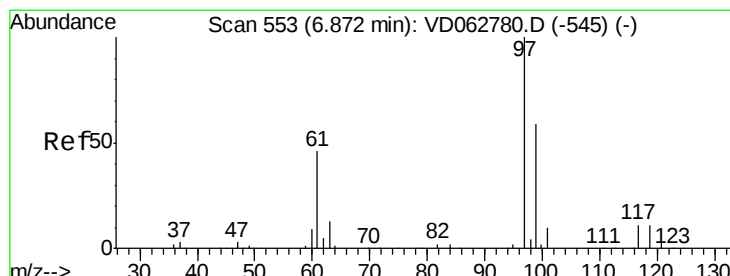
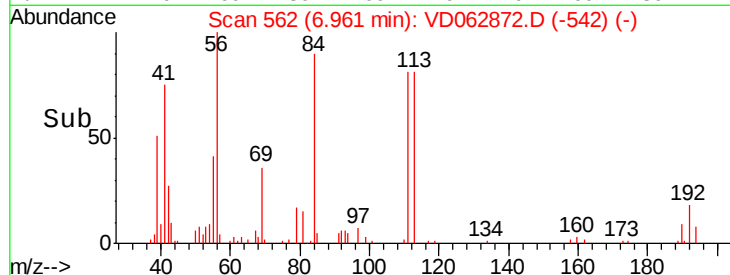
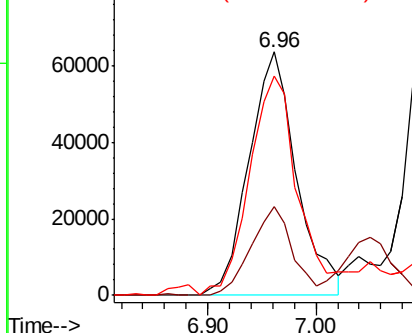
#31
Cyclohexane
Concen: 20.579 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

Tot Ion: 56 Resp: 195471
Ion Ratio Lower Upper
56 100
69 36.2 26.6 39.8
84 90.0 75.5 113.3

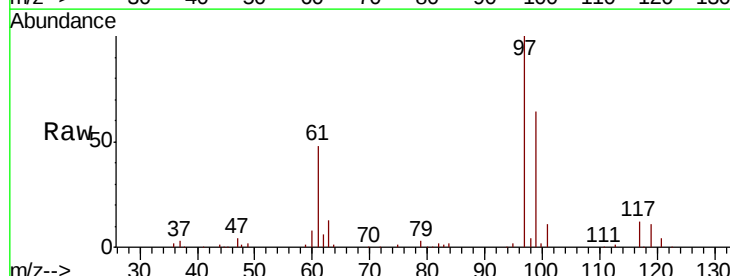


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

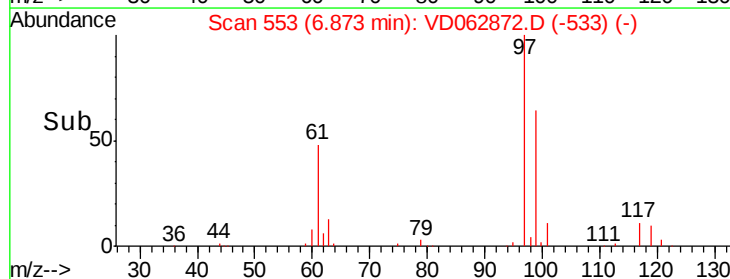
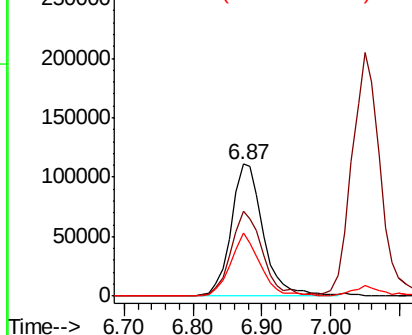


#32
1,1,1-Trichloroethane
Concen: 19.537 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion: 97 Resp: 357571
Ion Ratio Lower Upper
97 100
99 64.4 47.4 71.2
61 48.2 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

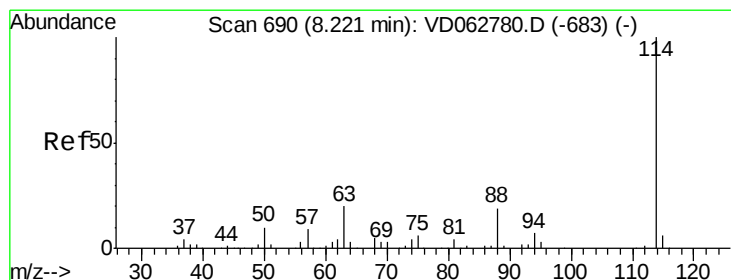
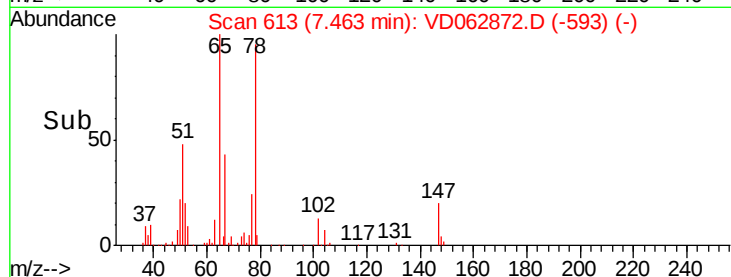
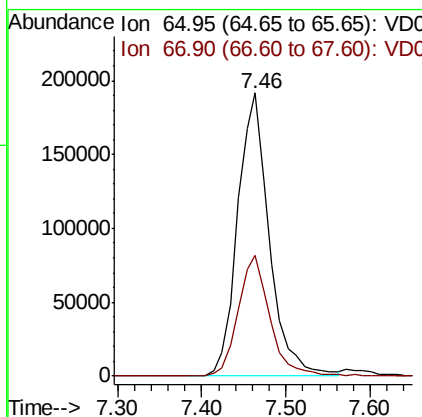
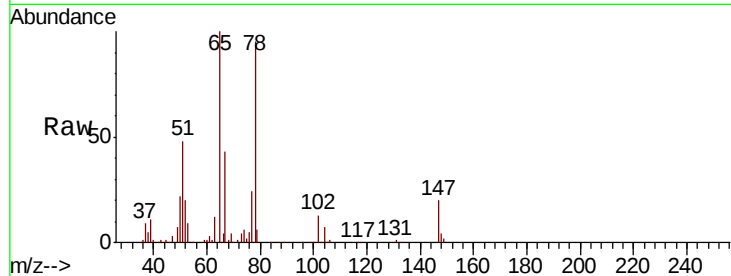




#33
 1,2-Dichloroethane-d4
 Concen: 49.558 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

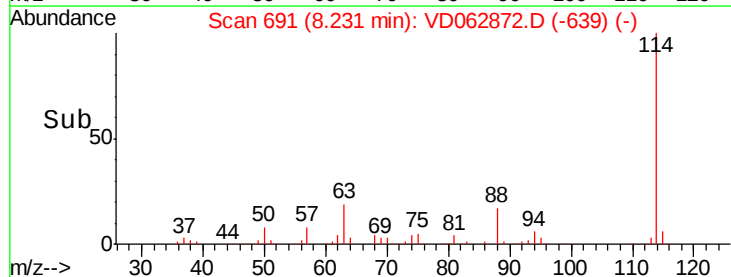
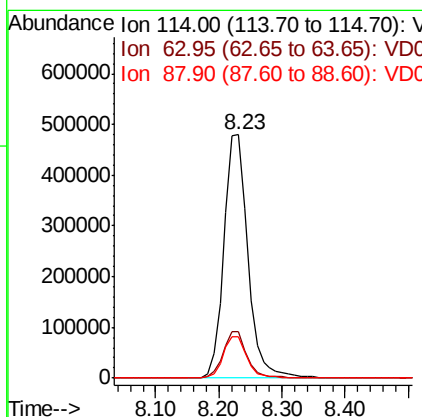
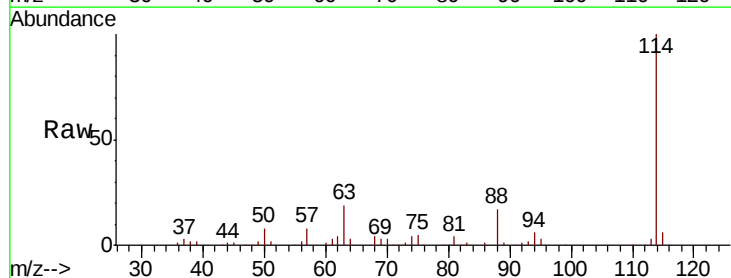
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

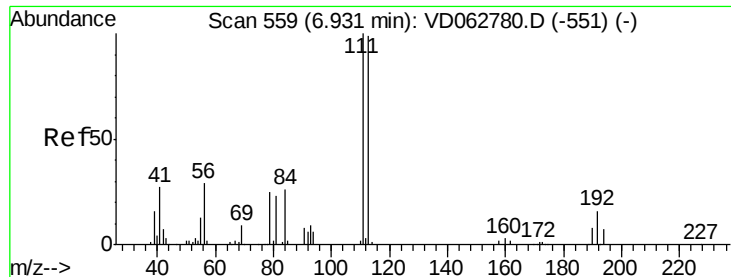
Tot Ion: 65 Resp: 501283
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Tgt Ion: 114 Resp: 1264944
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 16.9 0.0 38.8





#35

Dibromofluoromethane

Concen: 49.104 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

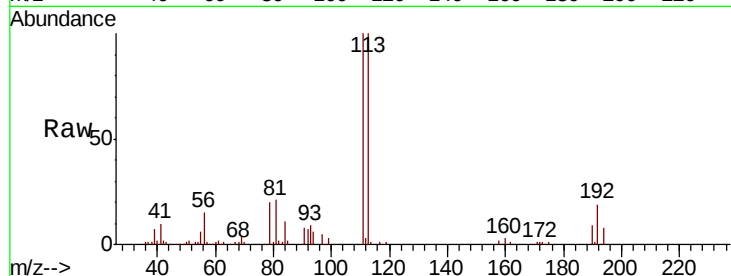
Tot Ion:113 Resp: 523745

Ion Ratio Lower Upper

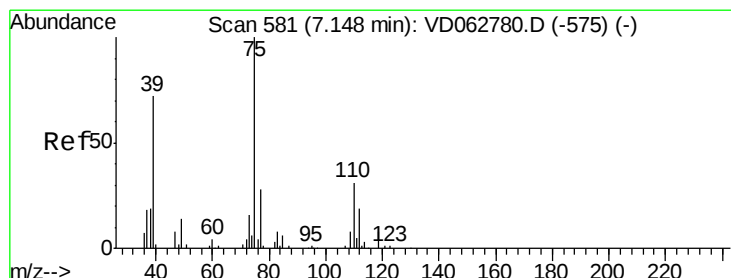
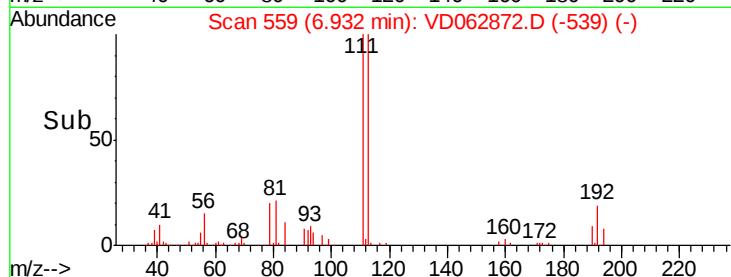
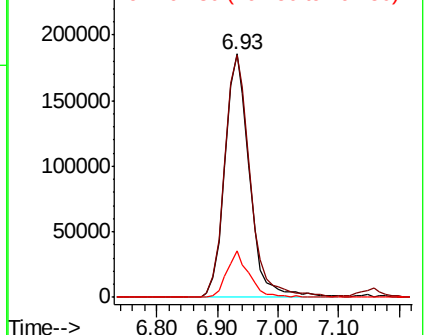
113 100

111 99.8 81.2 121.8

192 19.2 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: 20.453 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

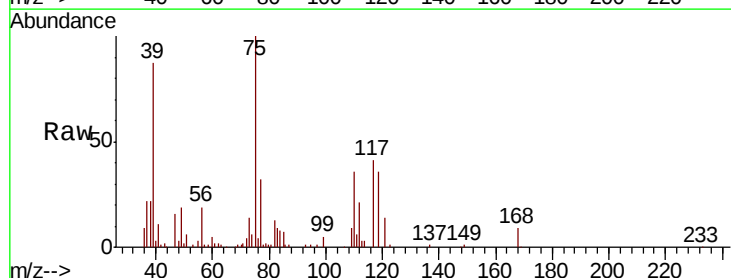
Tgt Ion: 75 Resp: 244910

Ion Ratio Lower Upper

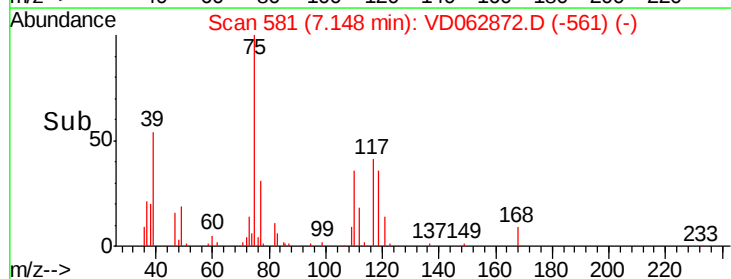
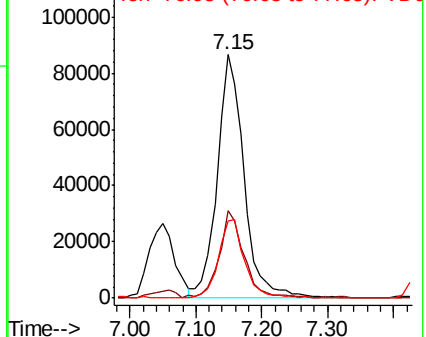
75 100

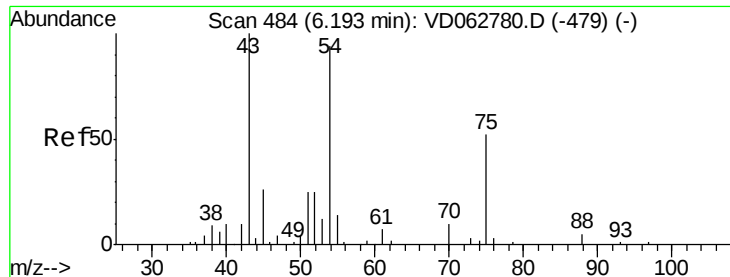
110 36.0 15.0 45.1

77 31.6 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

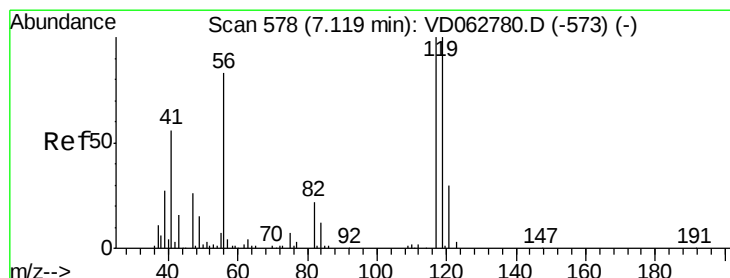
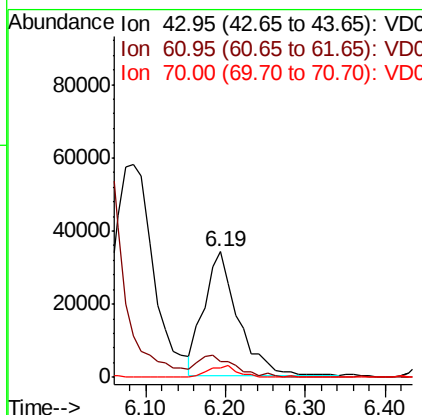
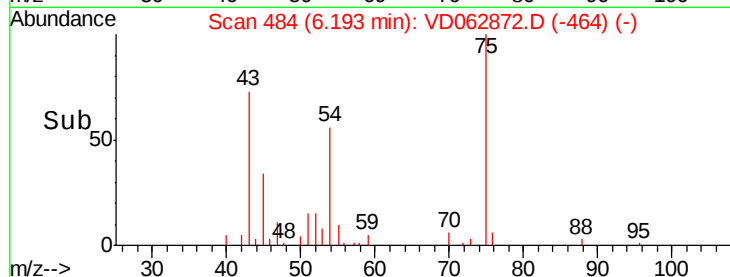
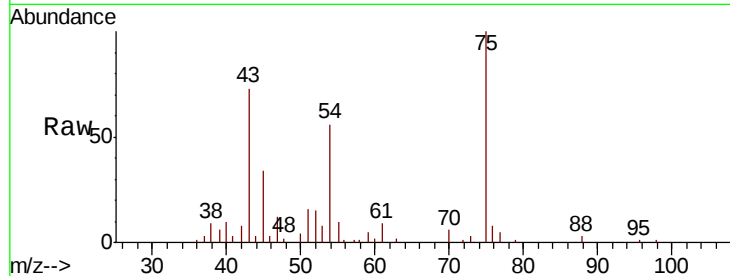




#37
Ethyl Acetate
Concen: 19.310 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

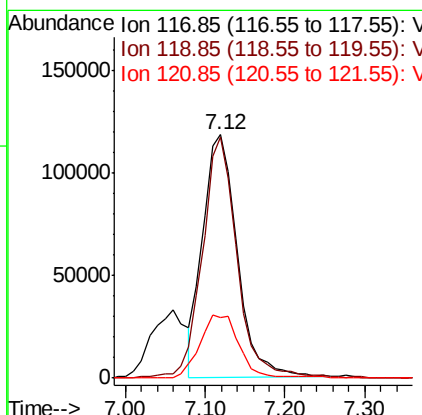
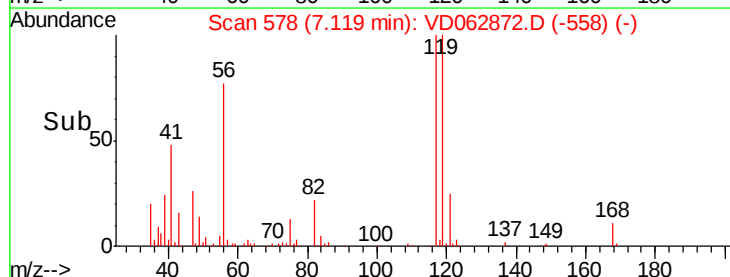
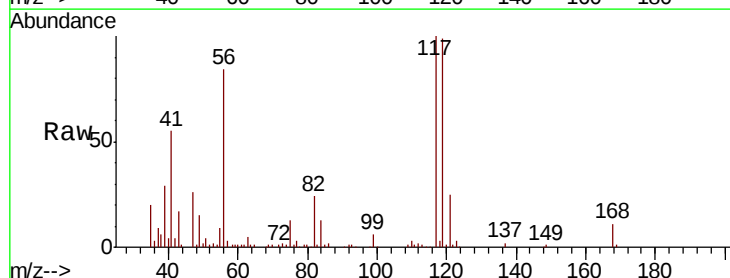
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

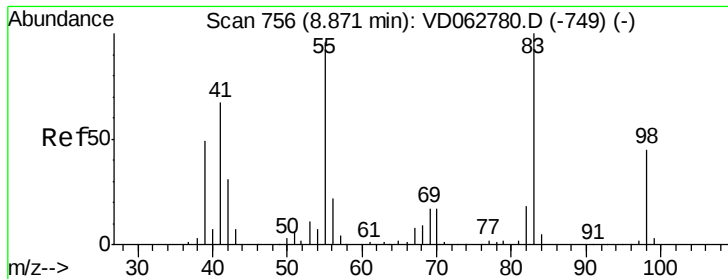
Tot Ion: 43 Resp: 100530
Ion Ratio Lower Upper
43 100
61 12.3 11.6 17.4
70 7.7 6.4 9.6



#38
Carbon Tetrachloride
Concen: 19.804 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion: 117 Resp: 356645
Ion Ratio Lower Upper
117 100
119 99.0 75.4 113.2
121 25.1 22.3 33.5

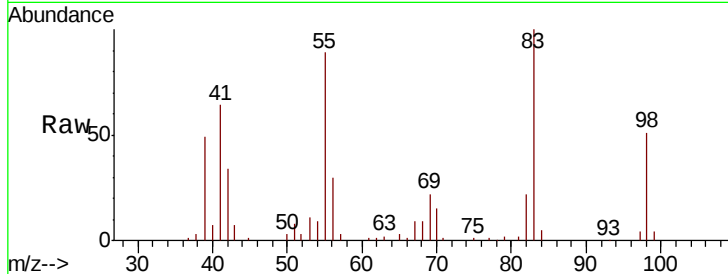




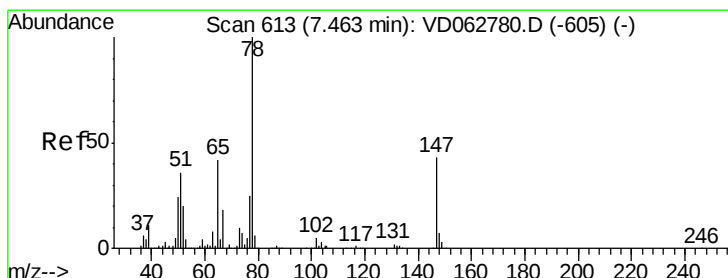
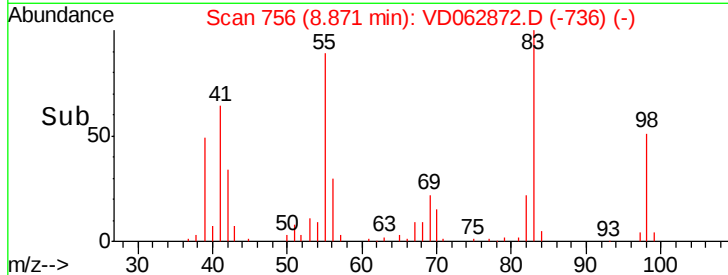
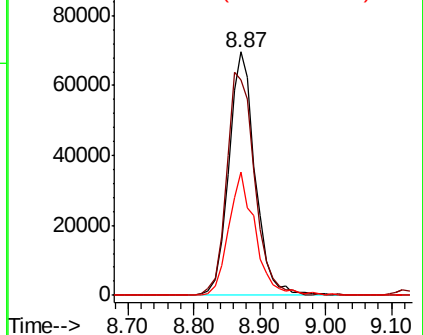
#39
Methvlcvclohexane
Concen: 18.499 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

Tot Ion: 83 Resp: 194987
Ion Ratio Lower Upper
83 100
55 88.6 76.6 115.0
98 50.6 35.7 53.5

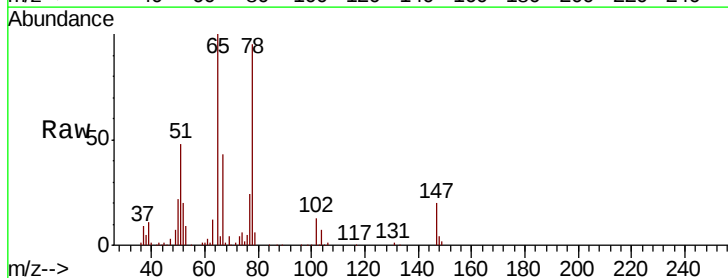


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

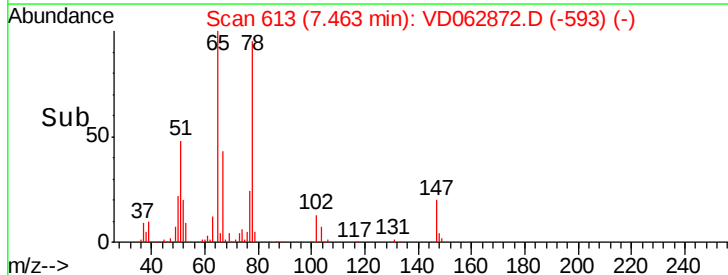
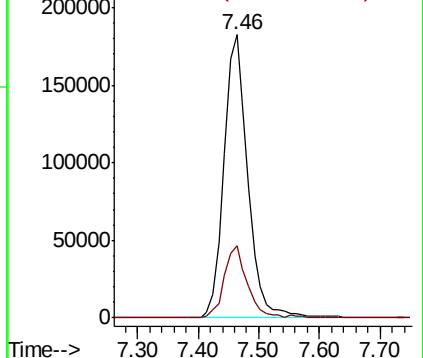


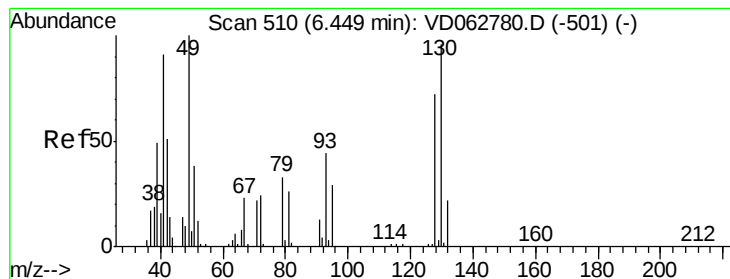
#40
Benzene
Concen: 20.717 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion: 78 Resp: 497957
Ion Ratio Lower Upper
78 100
77 25.5 20.2 30.2



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





#41

Methacrylonitrile

Concen: 21.258 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

Tot Ion: 41 Resp: 134241

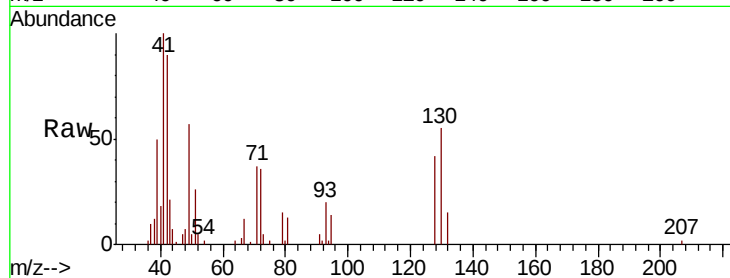
Ion Ratio Lower Upper

41 100

39 49.9 43.2 64.8

67 12.3 19.9 29.9#

52 4.9 10.2 15.4#

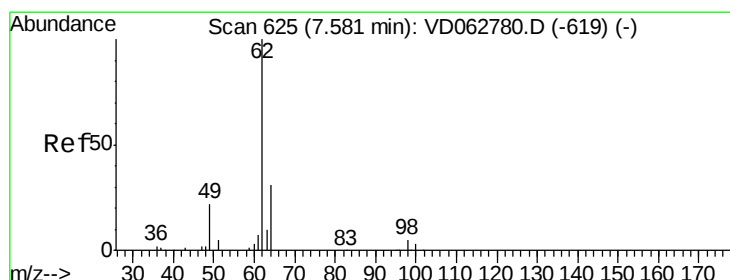
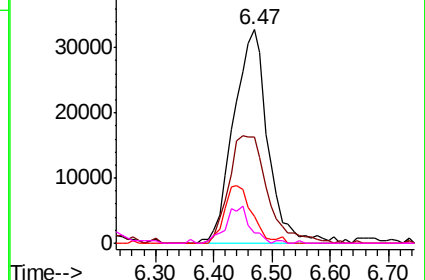
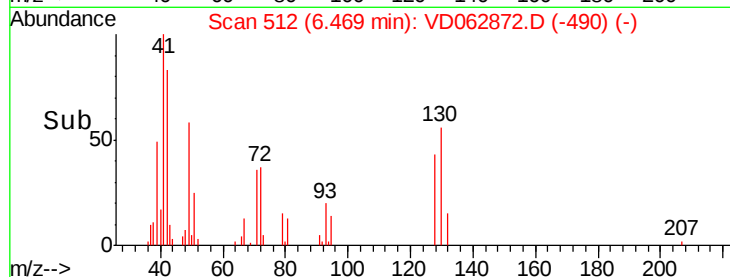


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.023 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD062872.D

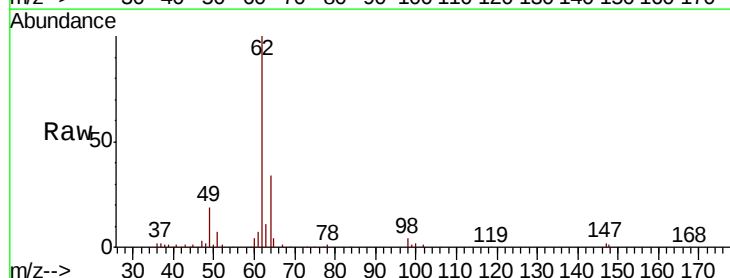
Acq: 25 Jun 2019 12:04

Tgt Ion: 62 Resp: 262555

Ion Ratio Lower Upper

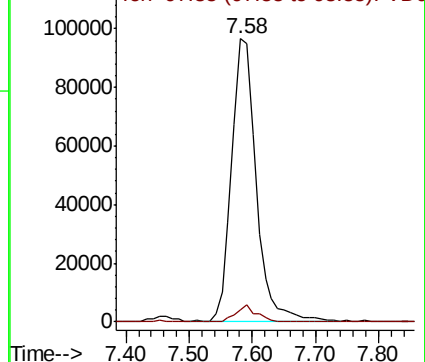
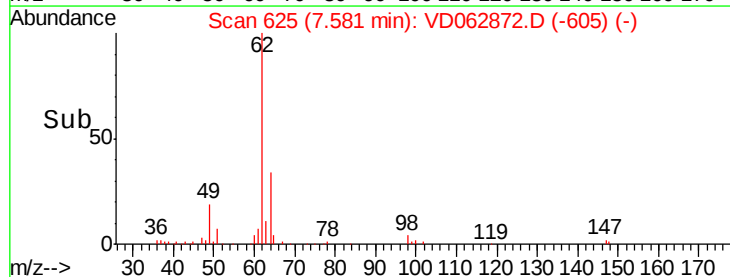
62 100

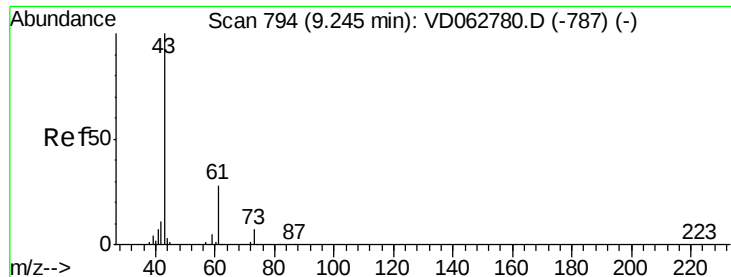
98 4.3 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



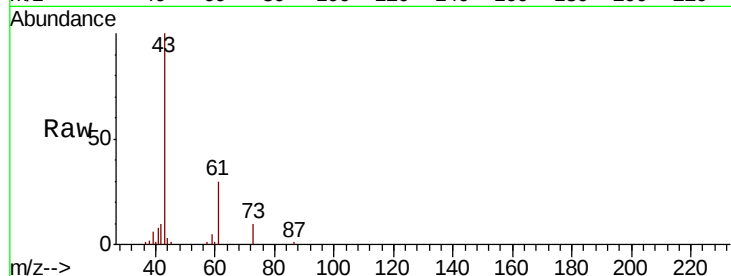


#43

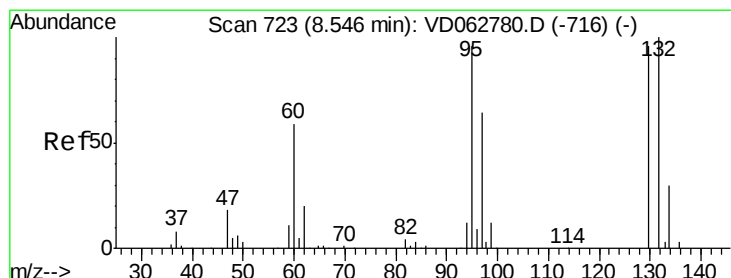
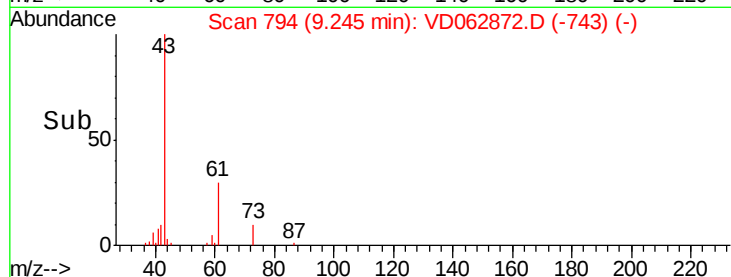
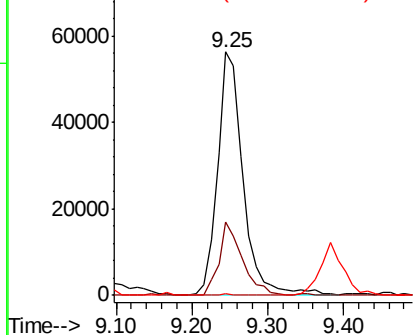
Isopropyl Acetate
 Concen: 21.104 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Tot Ion: 43 Resp: 132487
 Ion Ratio Lower Upper
 43 100
 61 30.0 22.4 33.6
 87 0.6 0.3 0.5#



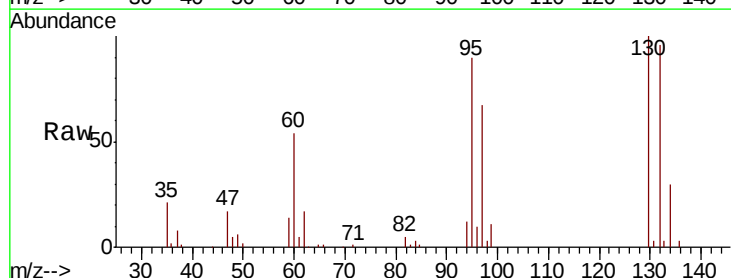
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



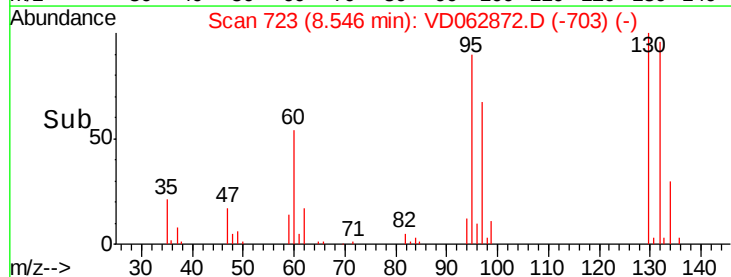
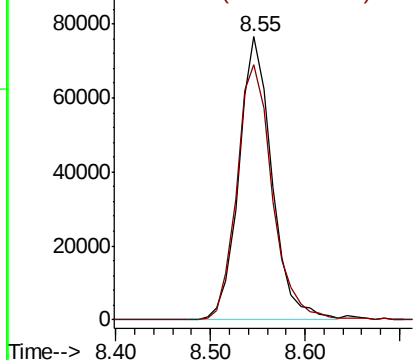
#44

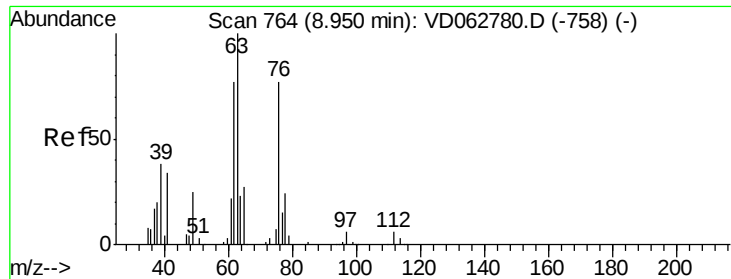
Trichloroethene
 Concen: 19.626 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Tgt Ion: 130 Resp: 184947
 Ion Ratio Lower Upper
 130 100
 95 90.2 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: 20.975 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

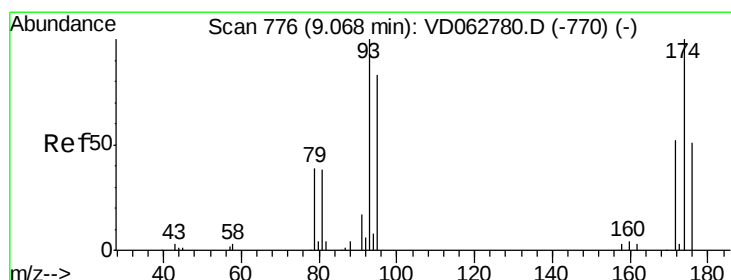
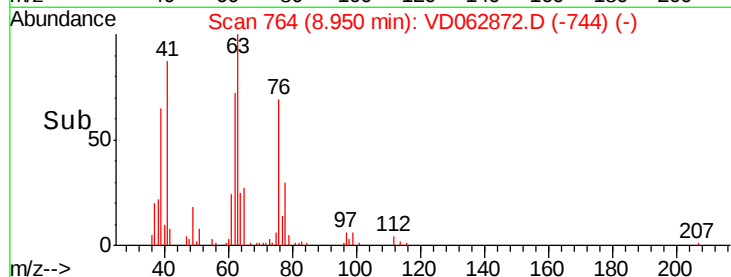
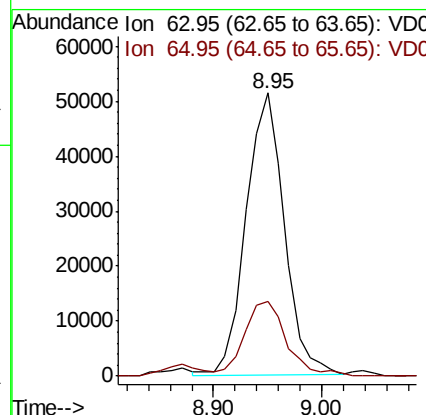
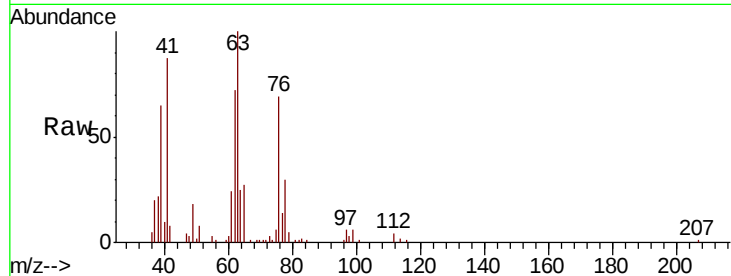
VD0625SBS01

Tot Ion: 63 Resp: 125365

Ion Ratio Lower Upper

63 100

65 26.6 24.2 36.2



#46

Dibromomethane

Concen: 20.686 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

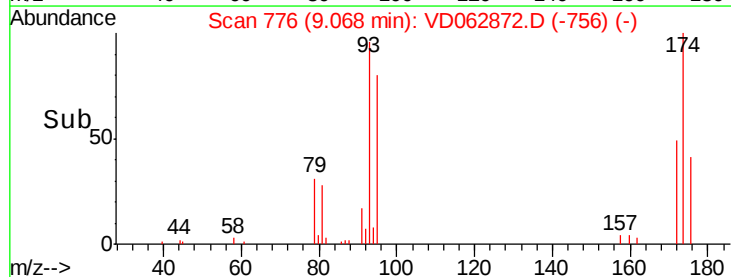
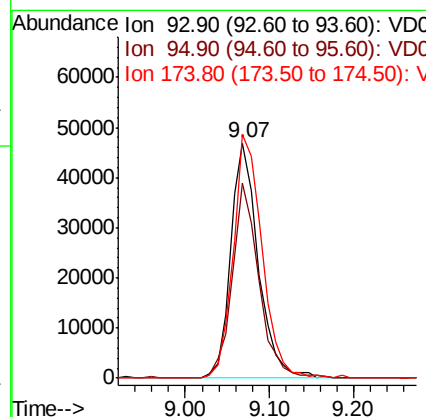
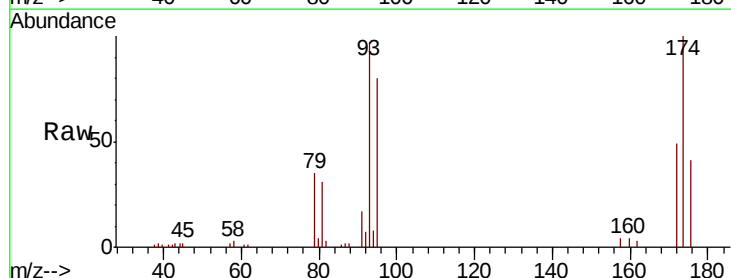
Tgt Ion: 93 Resp: 106203

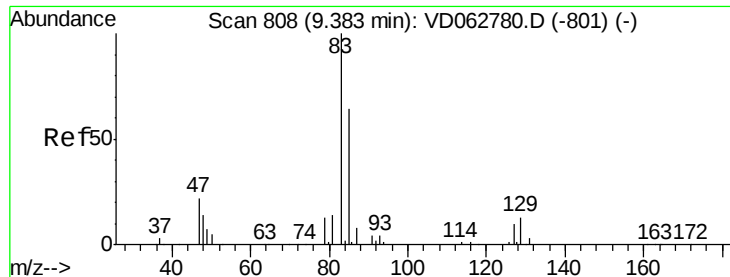
Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

174 103.5 79.7 119.5





#47

Bromodichloromethane

Concen: 20.207 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

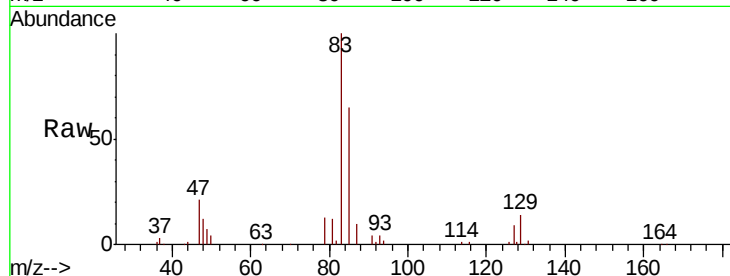
Tot Ion: 83 Resp: 269433

Ion Ratio Lower Upper

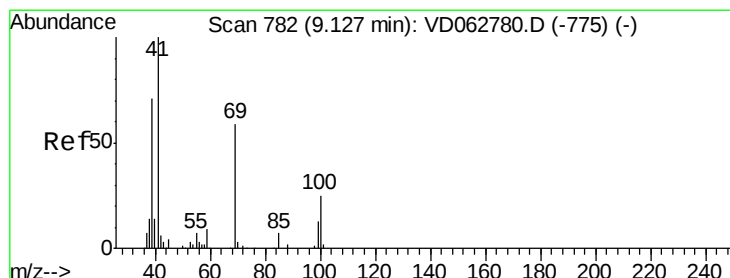
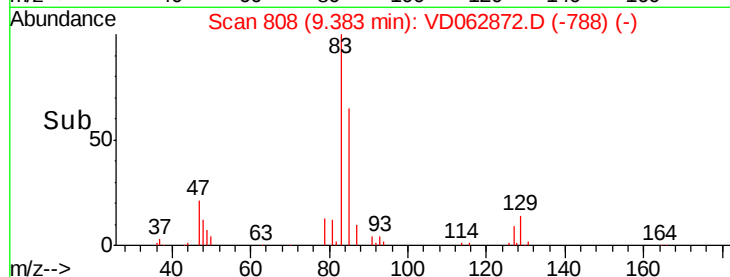
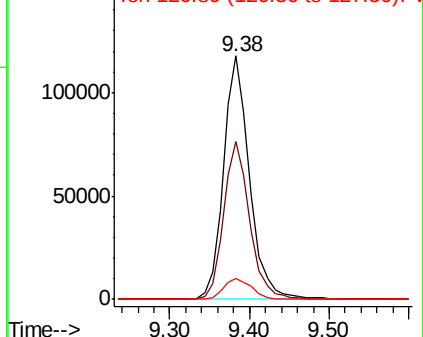
83 100

85 64.9 51.6 77.4

127 8.5 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: 18.876 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

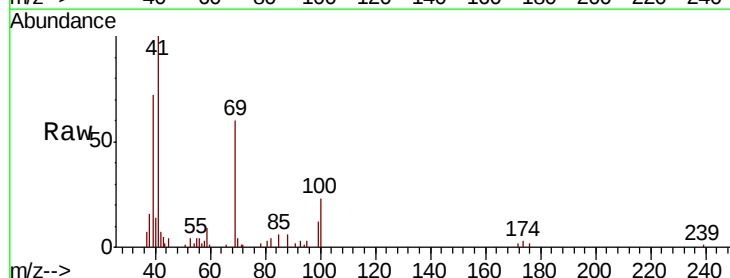
Tgt Ion: 41 Resp: 84211

Ion Ratio Lower Upper

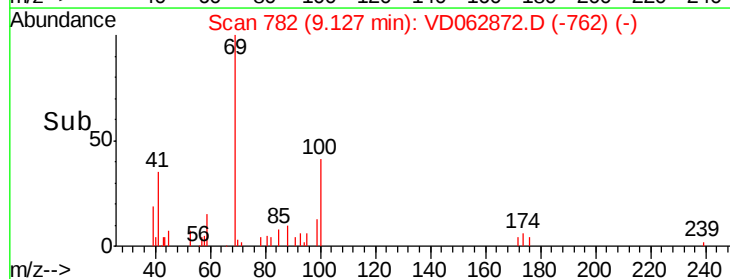
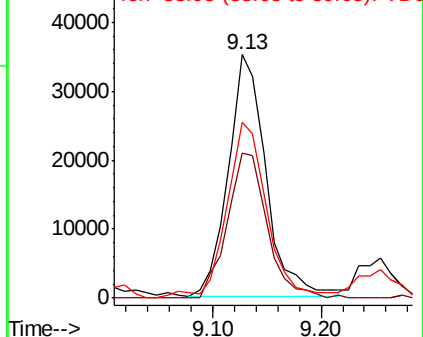
41 100

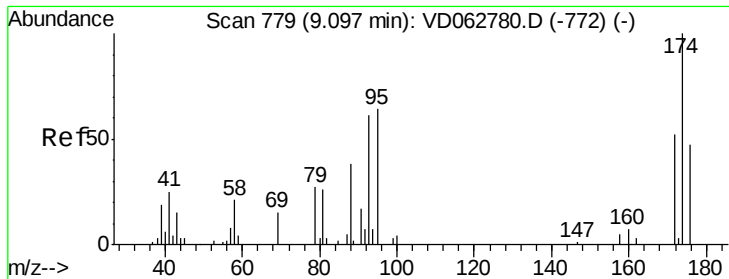
69 59.6 47.2 70.8

39 71.9 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

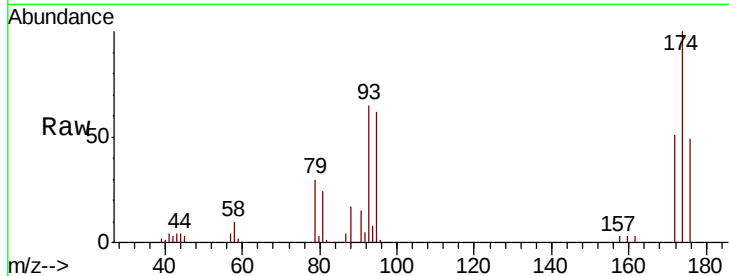




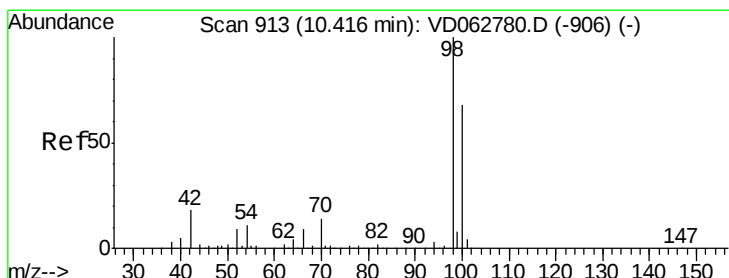
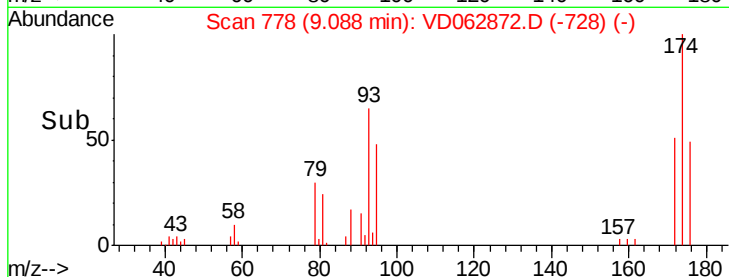
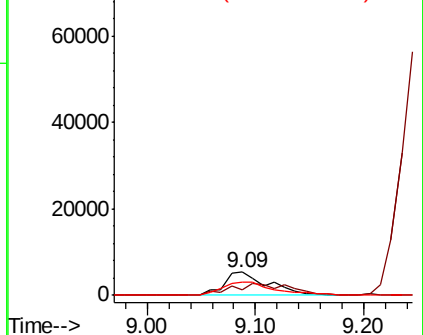
#49
1,4-Dioxane
Concen: 411.416 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

Tot Ion: 88 Resp: 15270
Ion Ratio Lower Upper
88 100
43 26.2 32.1 48.1#
58 58.7 44.1 66.1

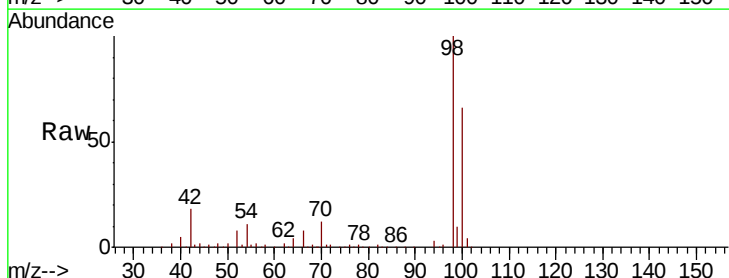


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

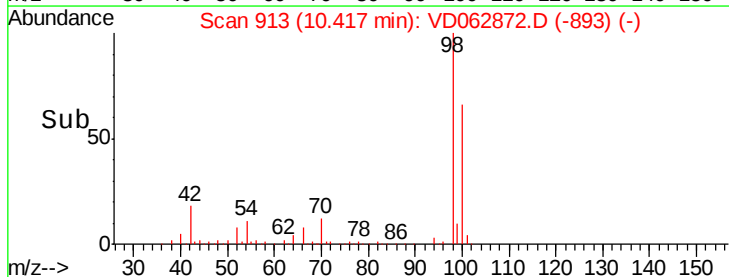
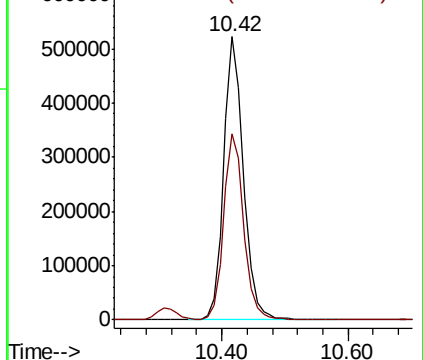


#50
Toluene-d8
Concen: 48.816 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion: 98 Resp: 1133218
Ion Ratio Lower Upper
98 100
100 65.8 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: 106.352 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

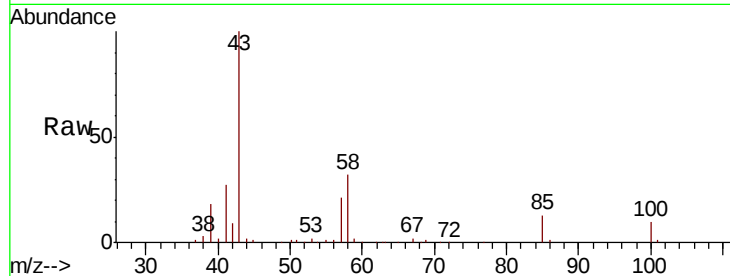
VD0625SBS01

Tot Ion: 43 Resp: 473364

Ion Ratio Lower Upper

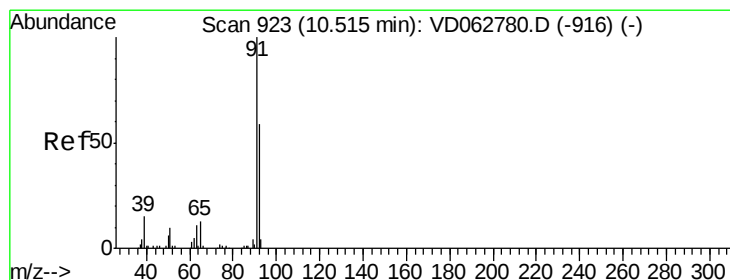
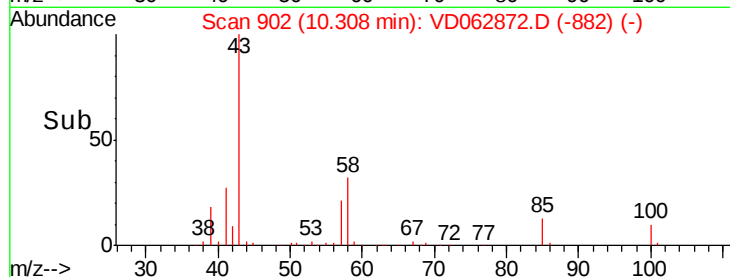
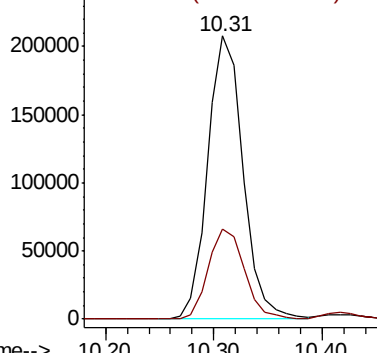
43 100

58 31.7 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.119 ug/l

RT: 10.52 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062872.D

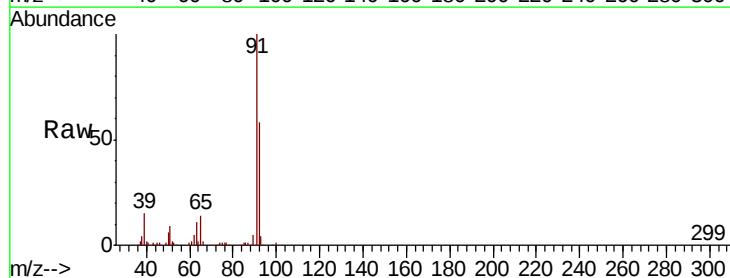
Acq: 25 Jun 2019 12:04

Tgt Ion: 92 Resp: 341229

Ion Ratio Lower Upper

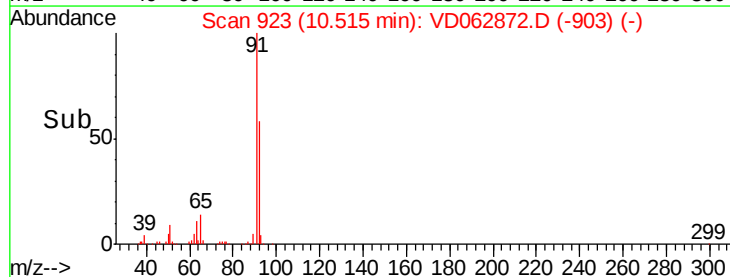
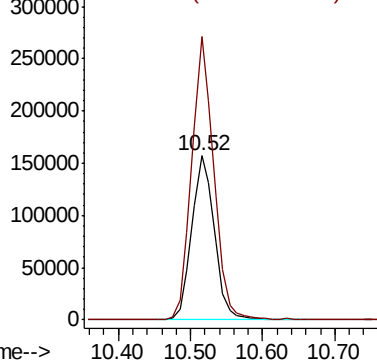
92 100

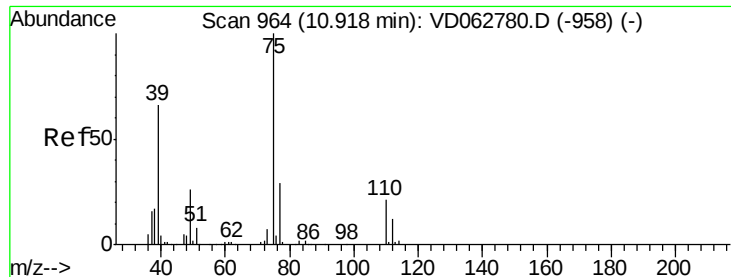
91 172.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.861 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

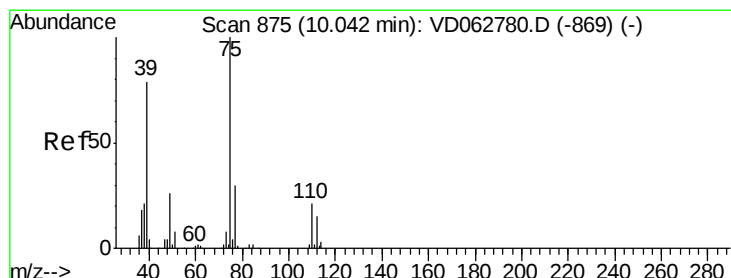
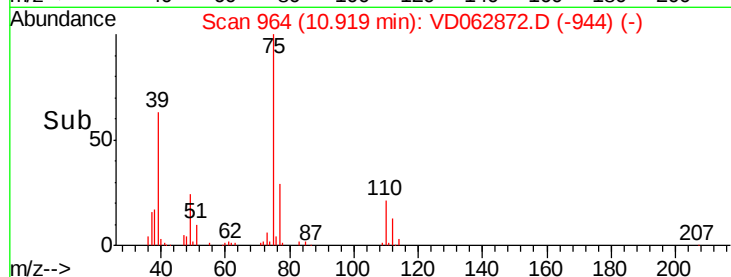
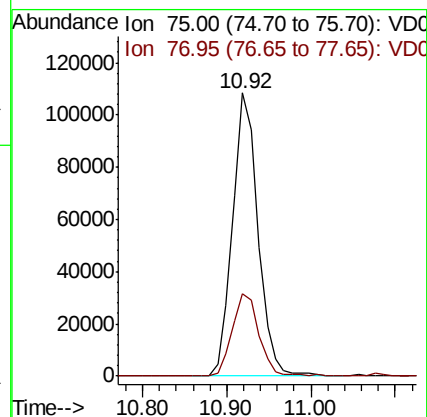
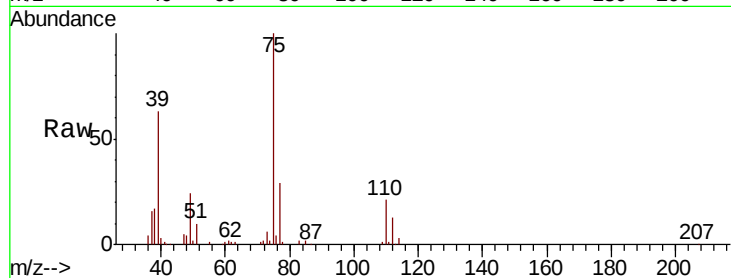
VD0625SBS01

Tot Ion: 75 Resp: 227671

Ion Ratio Lower Upper

75 100

77 29.3 23.2 34.8



#54

cis-1,3-Dichloropropene

Concen: 19.891 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

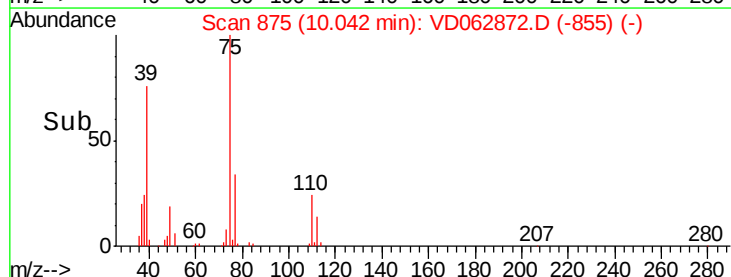
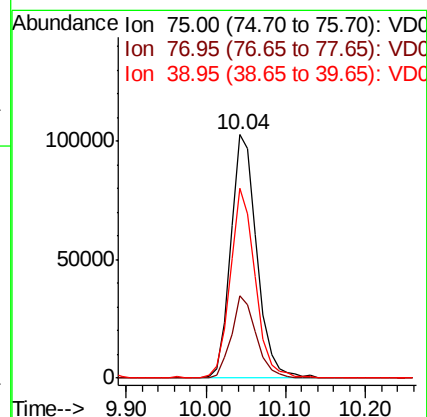
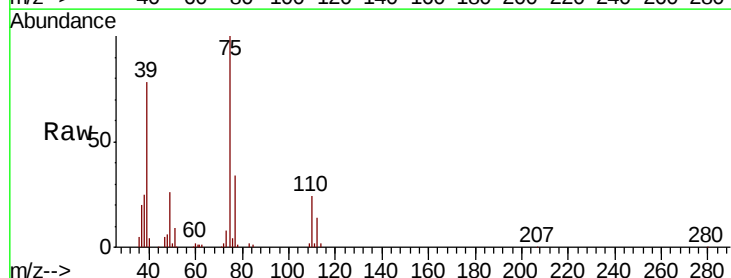
Tgt Ion: 75 Resp: 235951

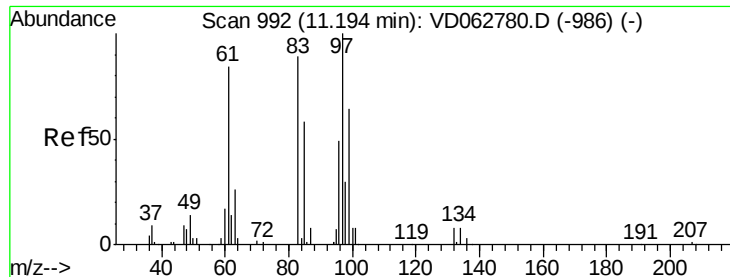
Ion Ratio Lower Upper

75 100

77 33.6 24.2 36.2

39 77.9 63.5 95.3

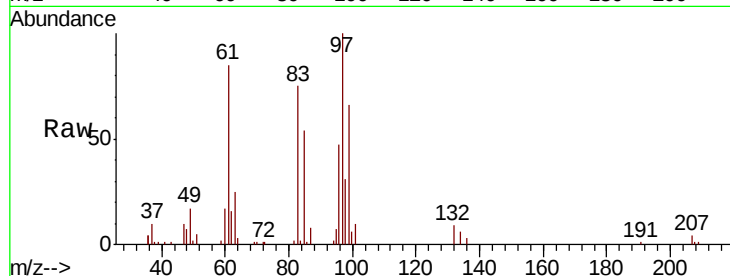




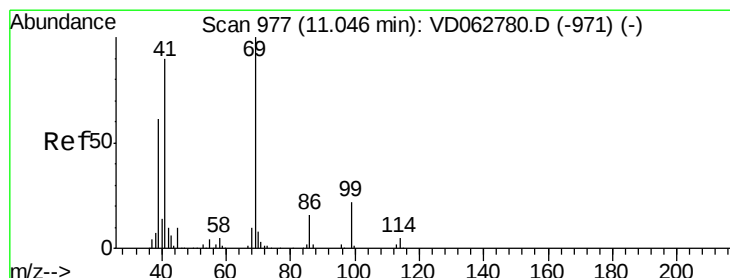
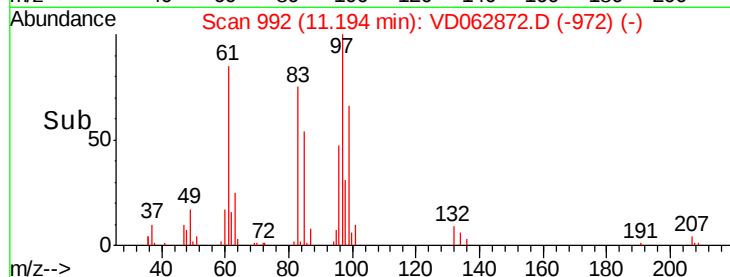
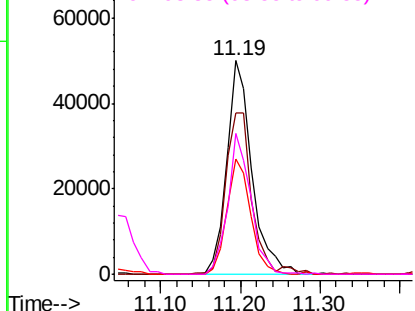
#55
 1,1,2-Trichloroethane
 Concen: 20.021 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Tot Ion:	97	Resp:	111136
Ion	Ratio	Lower	Upper
97	100		
83	75.3	71.0	106.4
85	54.2	46.6	69.8
99	66.0	51.4	77.0

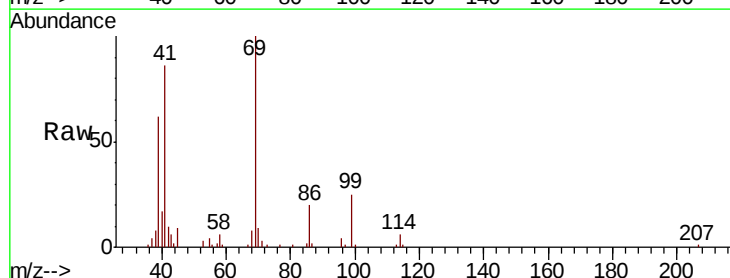


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

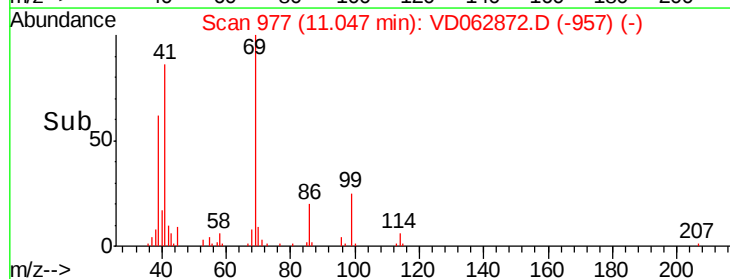
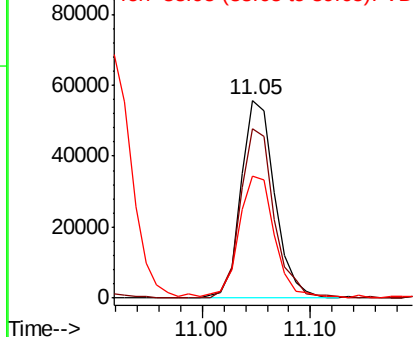


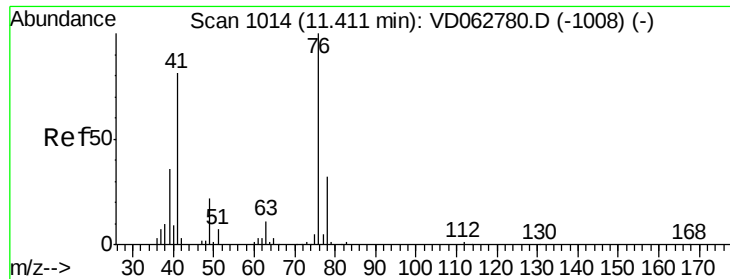
#56
 Ethyl methacrylate
 Concen: 20.275 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Tgt Ion:	69	Resp:	120279
Ion	Ratio	Lower	Upper
69	100		
41	85.6	72.0	108.0
39	61.9	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: 20.566 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

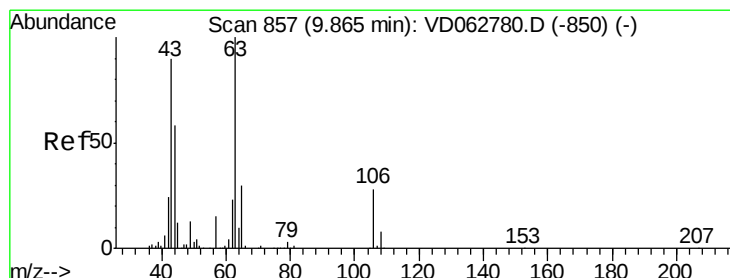
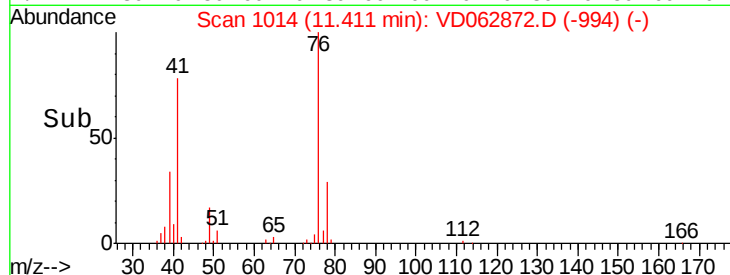
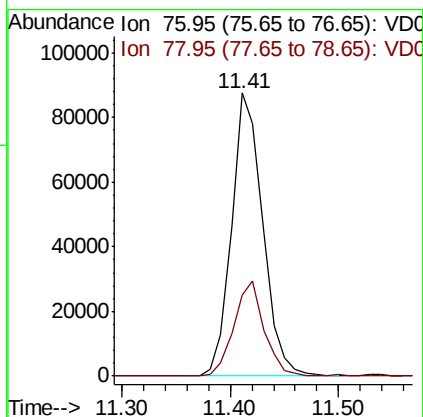
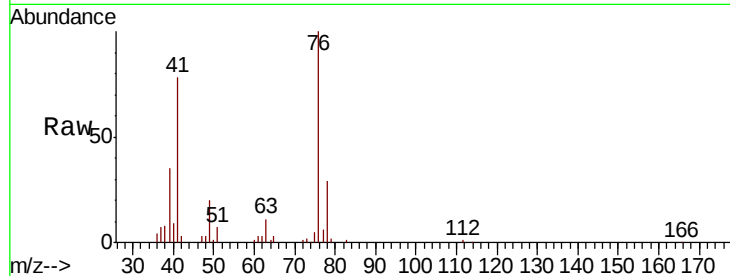
VD0625SBS01

Tot Ion: 76 Resp: 174802

Ion Ratio Lower Upper

76 100

78 28.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 110.226 ug/l

RT: 9.87 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD062872.D

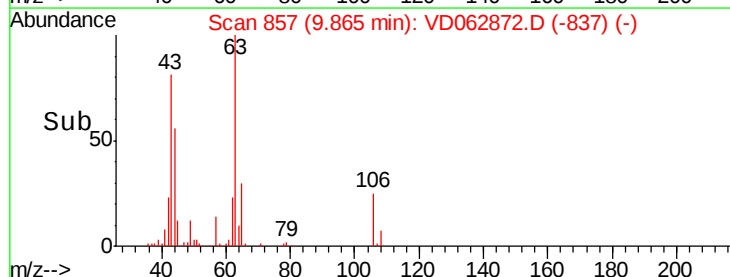
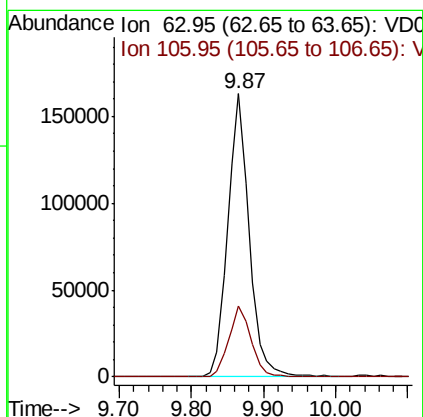
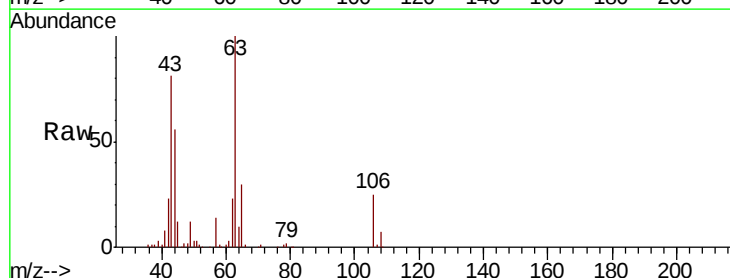
Acq: 25 Jun 2019 12:04

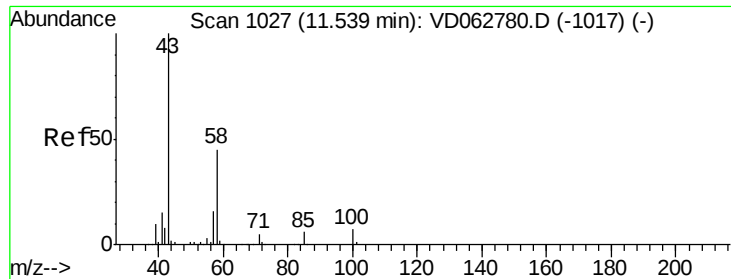
Tgt Ion: 63 Resp: 335700

Ion Ratio Lower Upper

63 100

106 25.1 22.1 33.1

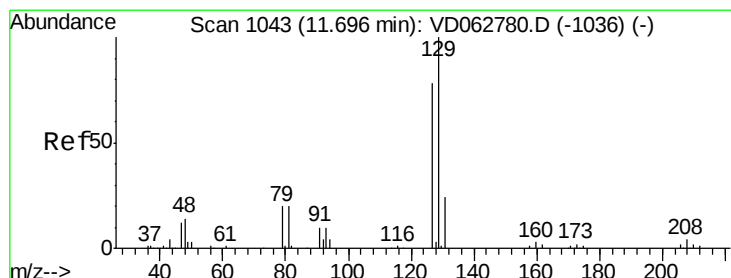
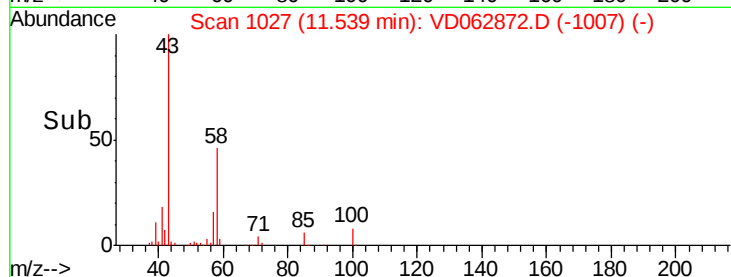
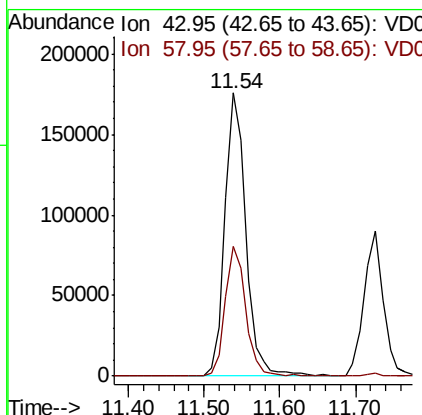
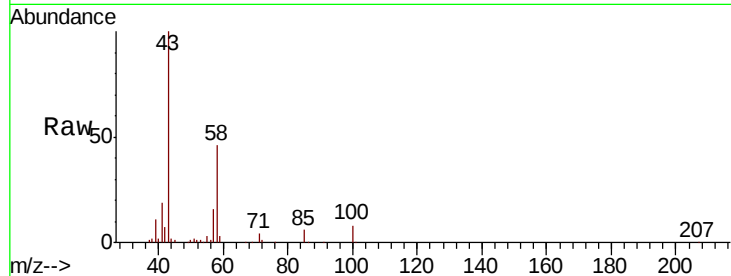




#59
2-Hexanone
Concen: 106.319 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

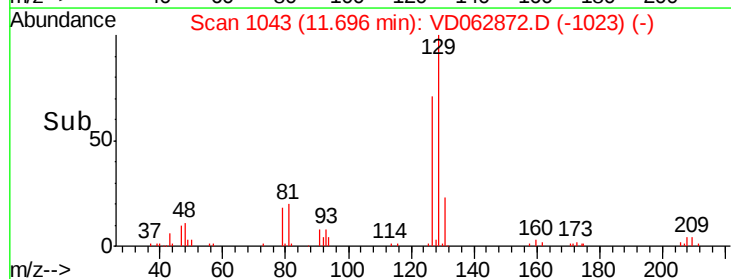
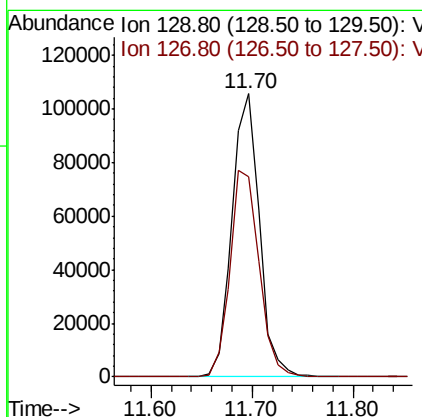
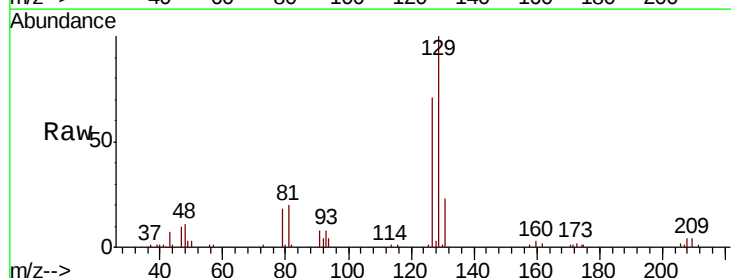
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

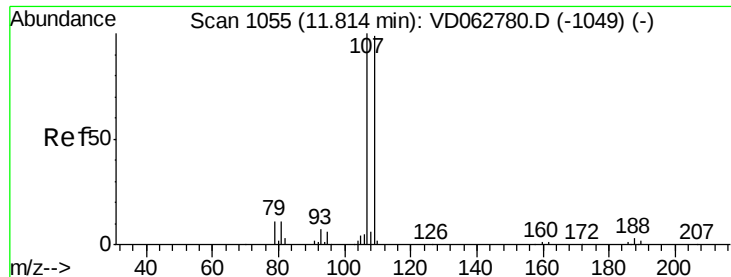
Tot Ion: 43 Resp: 337021
Ion Ratio Lower Upper
43 100
58 45.6 22.4 67.2



#60
Dibromochloromethane
Concen: 19.221 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion: 129 Resp: 198734
Ion Ratio Lower Upper
129 100
127 70.9 38.9 116.6

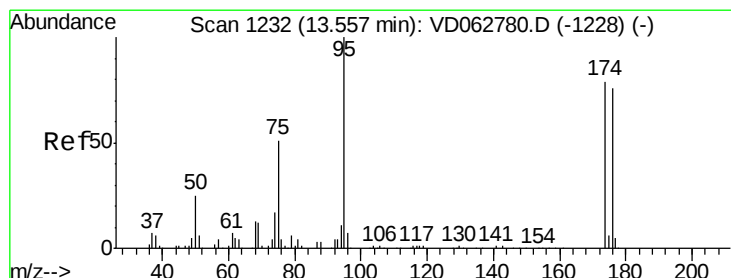
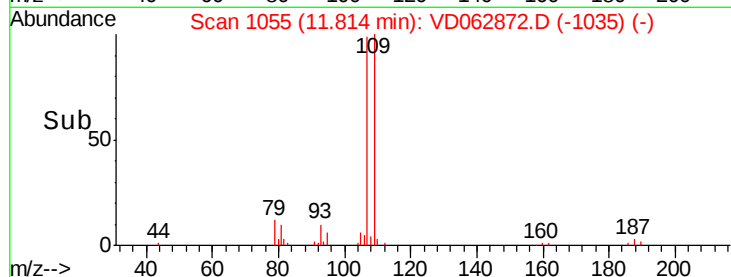
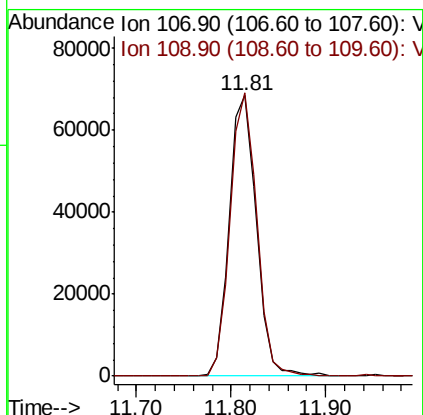
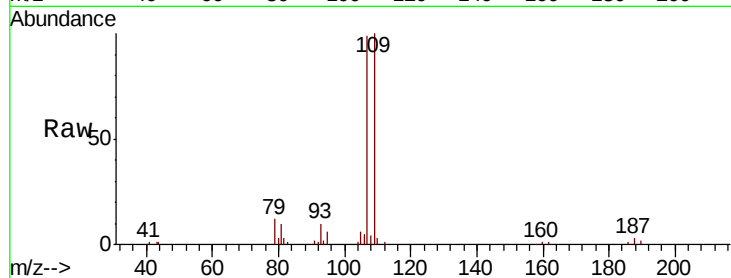




#61
 1,2-Dibromoethane
 Concen: 20.706 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

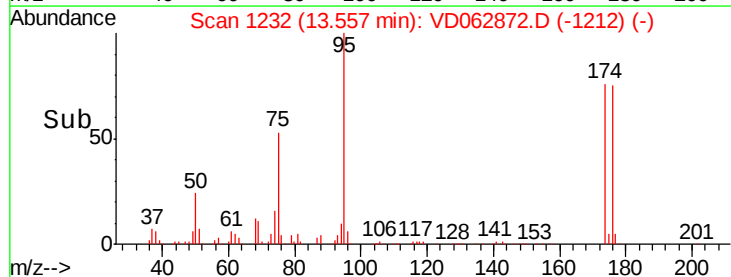
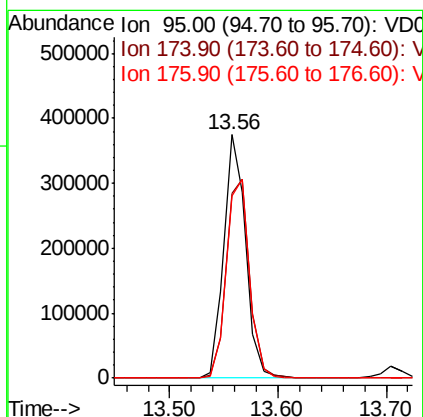
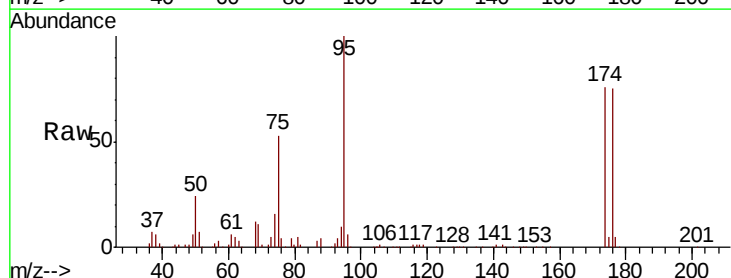
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

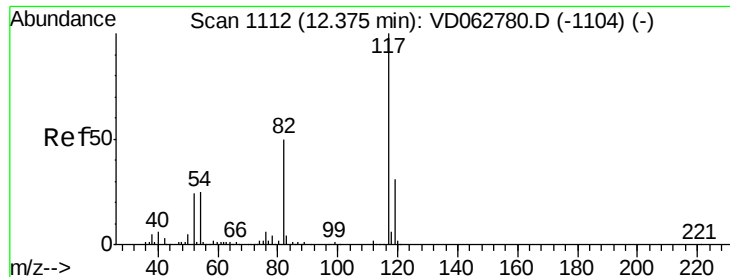
Tot Ion:107 Resp: 135752
 Ion Ratio Lower Upper
 107 100
 109 100.9 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 49.874 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Tgt Ion: 95 Resp: 526446
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 158.0
 176 75.1 0.0 151.6

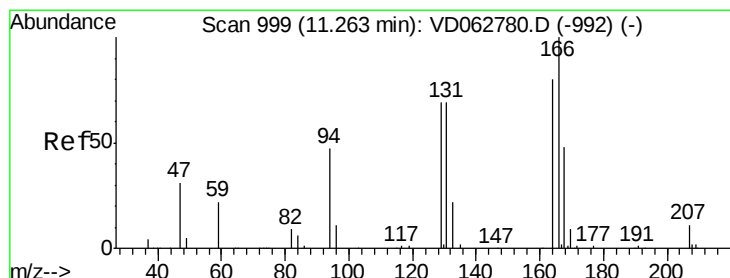
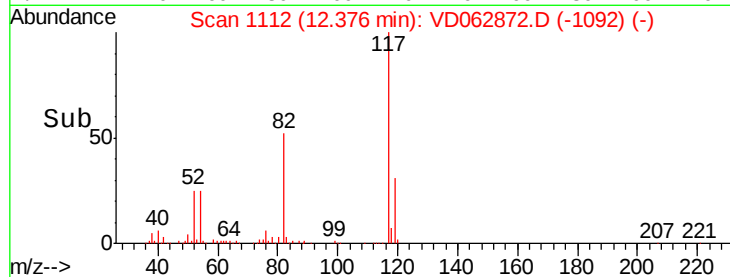
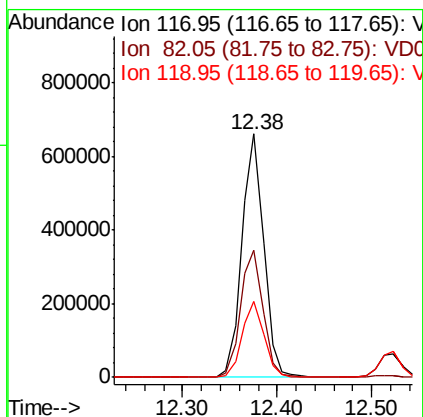
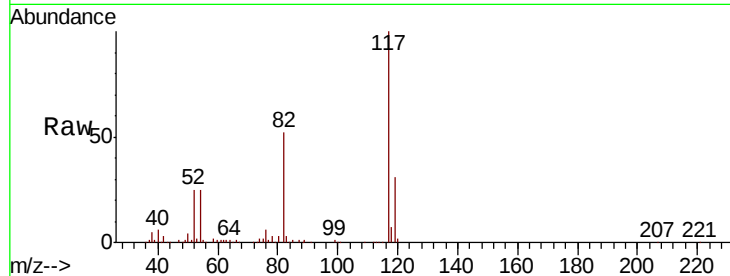




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

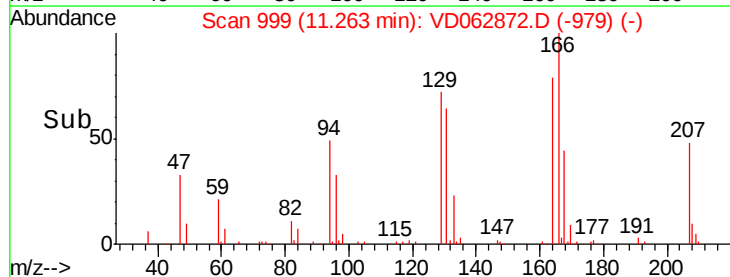
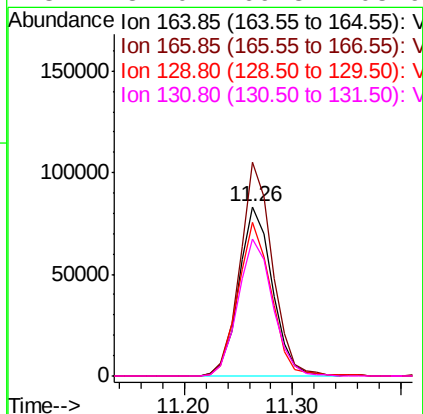
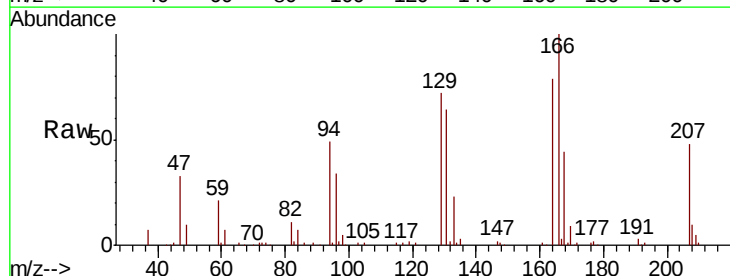
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

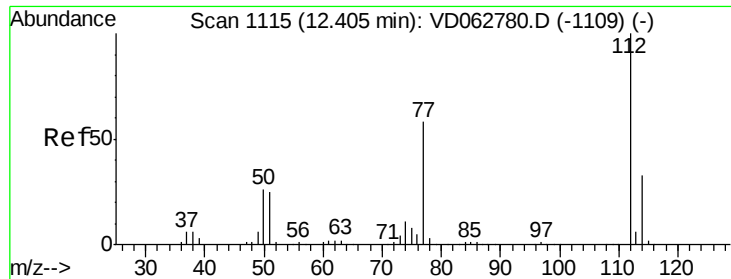
Tot Ion:117 Resp: 1055371
Ion Ratio Lower Upper
117 100
82 52.2 40.4 60.6
119 31.4 25.2 37.8



#64
Tetrachloroethene
Concen: 20.564 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion:164 Resp: 178617
Ion Ratio Lower Upper
164 100
166 126.1 100.6 150.8
129 90.9 69.4 104.0
131 81.0 69.3 103.9

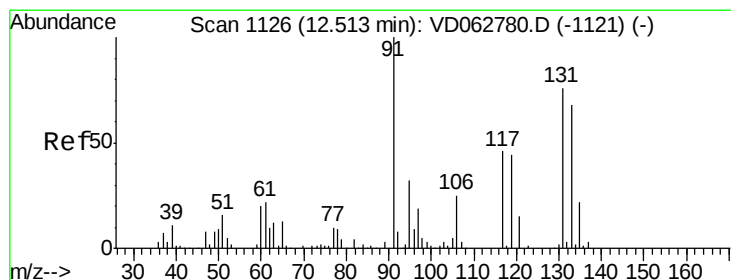
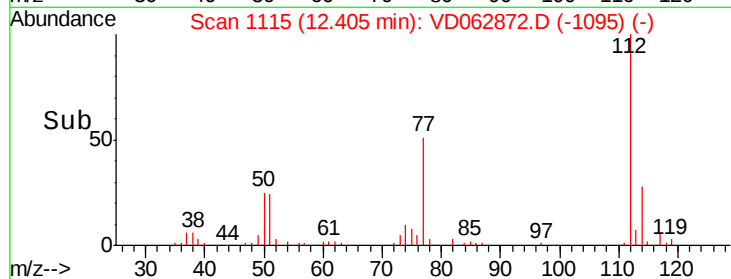
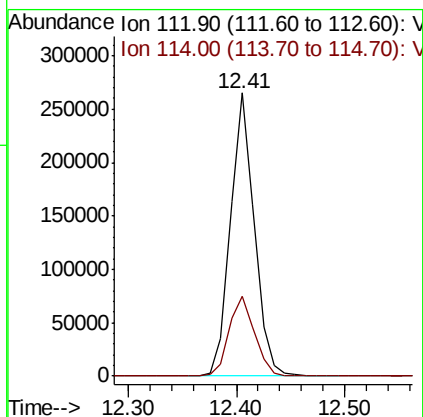
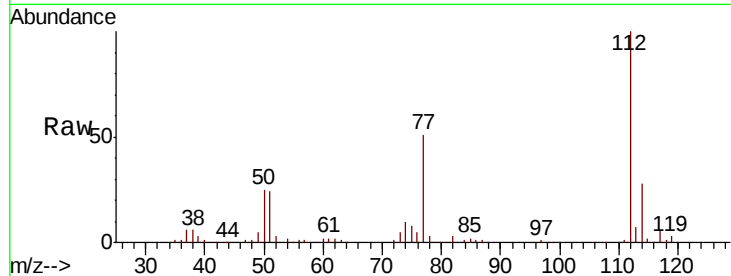




#65
Chlorobenzene
Concen: 20.787 ug/l
RT: 12.41 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

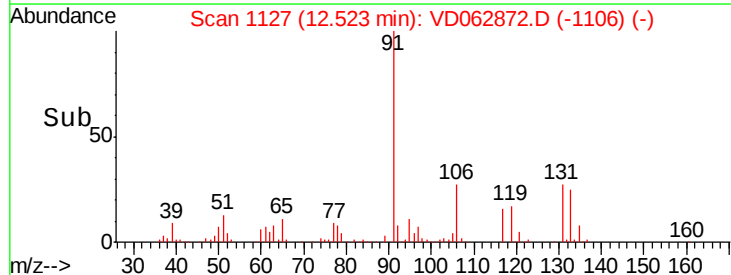
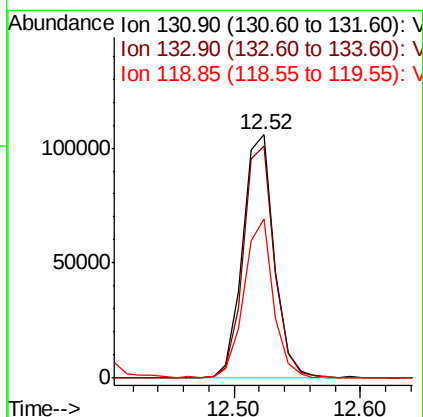
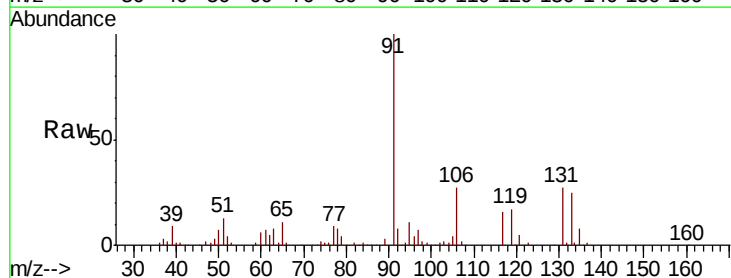
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

Tot Ion:112 Resp: 407141
Ion Ratio Lower Upper
112 100
114 28.2 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.925 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion:131 Resp: 182507
Ion Ratio Lower Upper
131 100
133 95.3 44.5 133.3
119 65.6 28.6 85.9

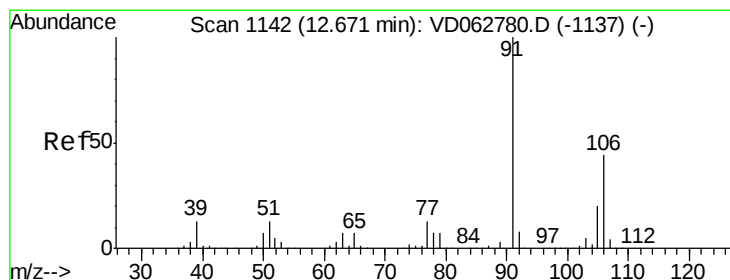
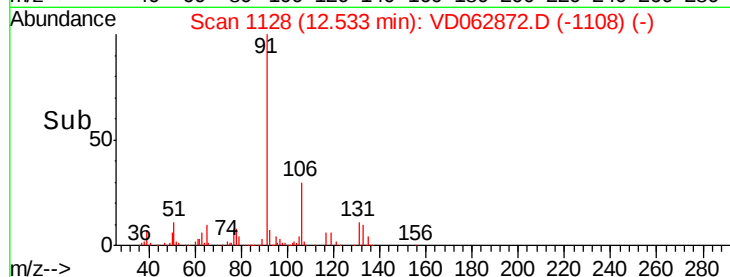
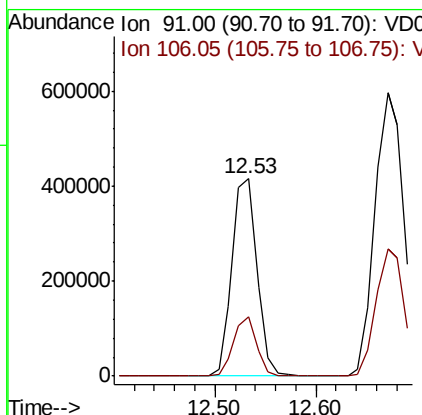
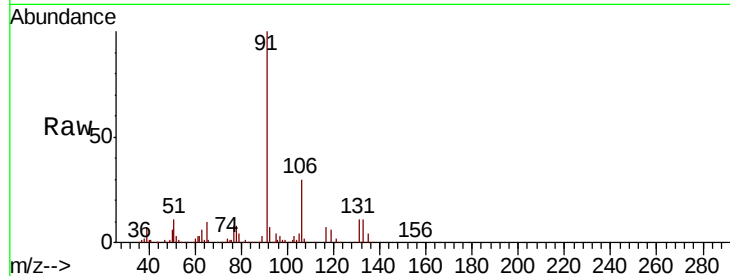




#67
Ethyl Benzene
Concen: 20.396 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

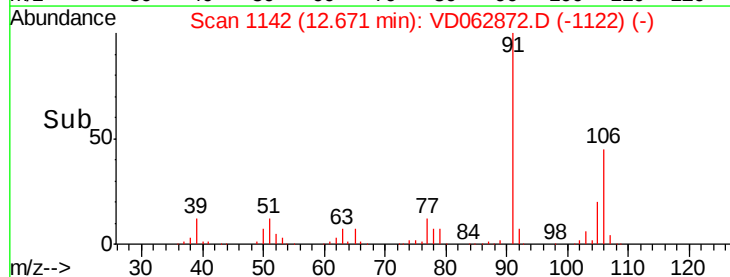
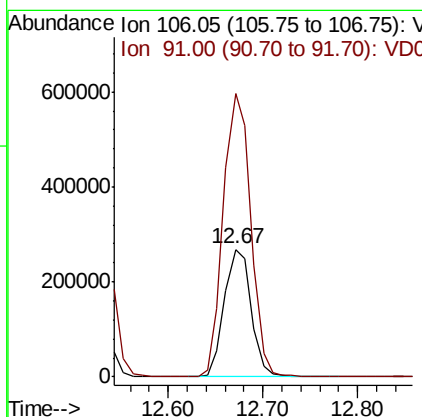
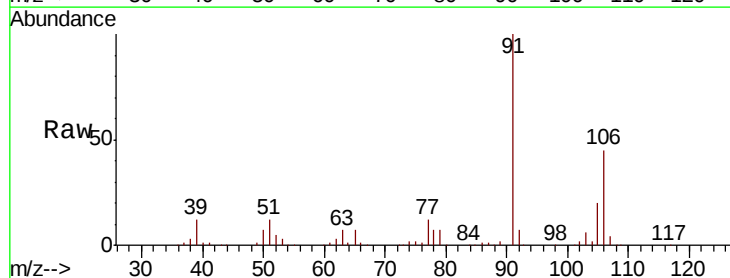
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

Tot Ion: 91 Resp: 717249
Ion Ratio Lower Upper
91 100
106 29.8 23.1 34.7



#68
m/p-Xylenes
Concen: 43.179 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion: 106 Resp: 528844
Ion Ratio Lower Upper
106 100
91 221.9 183.0 274.6

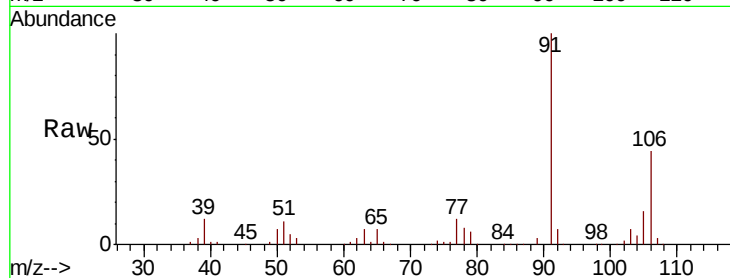




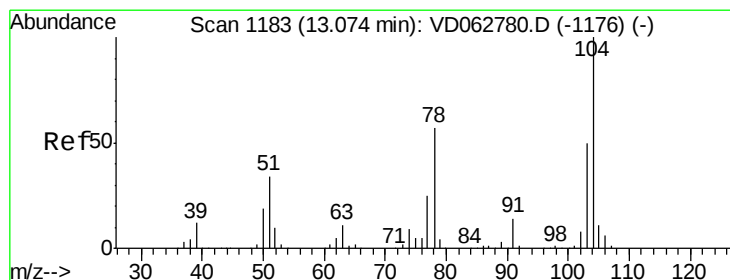
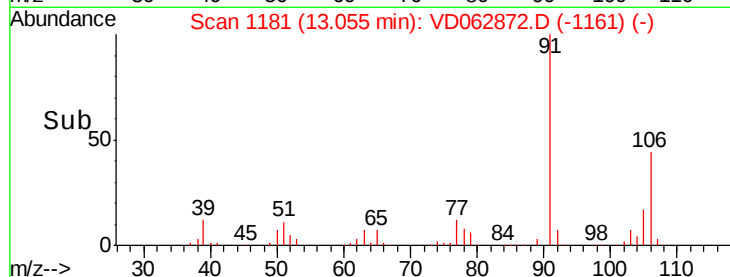
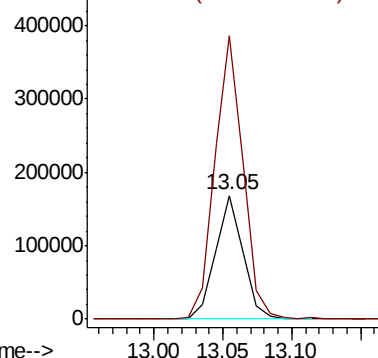
#69
o-Xylene
Concen: 21.167 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

Tot Ion:106 Resp: 236993
Ion Ratio Lower Upper
106 100
91 229.2 117.9 353.6

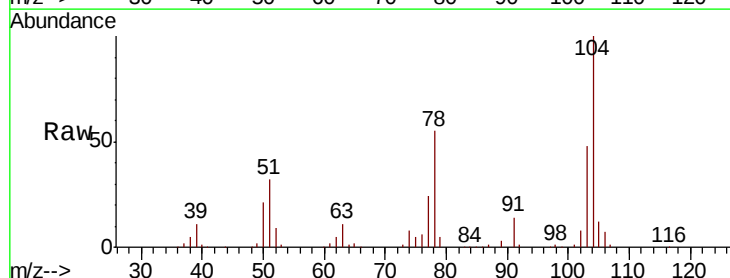


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

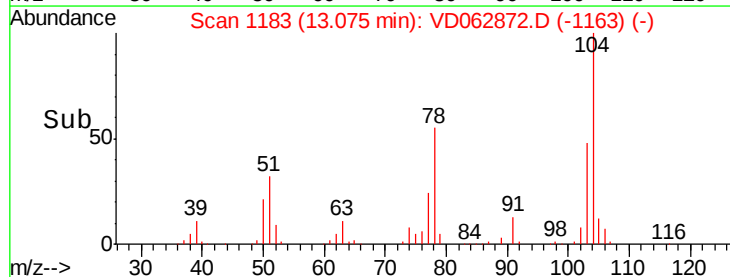
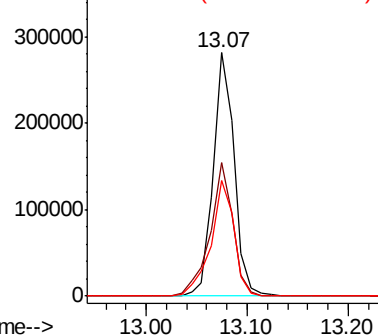


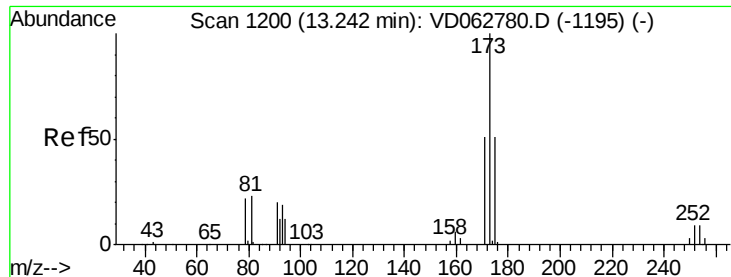
#70
Styrene
Concen: 20.622 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion:104 Resp: 405545
Ion Ratio Lower Upper
104 100
78 54.6 45.4 68.2
103 47.6 39.7 59.5



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





#71

Bromoform

Concen: 20.412 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

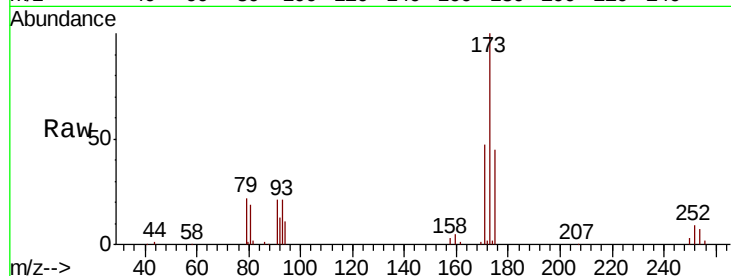
Tot Ion:173 Resp: 128100

Ion Ratio Lower Upper

173 100

175 45.1 25.3 75.9

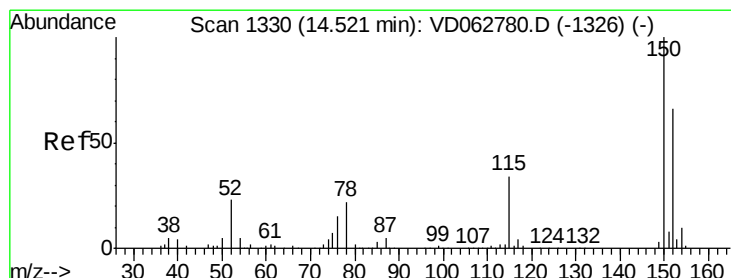
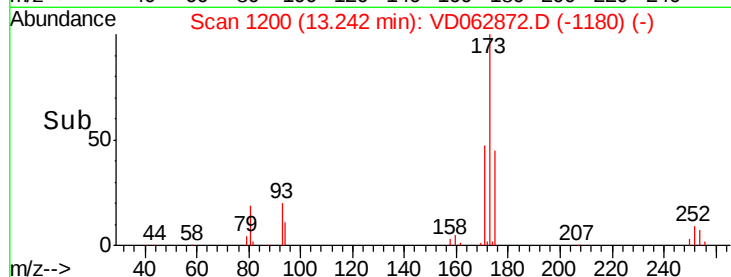
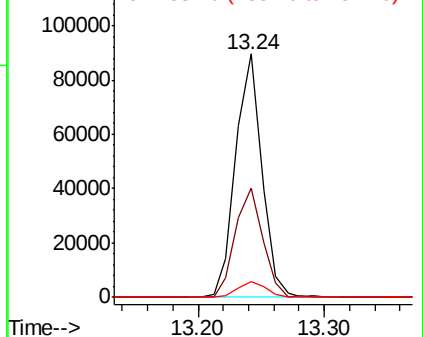
254 6.7 7.1 10.7#



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: VD062872.D

Acq: 25 Jun 2019 12:04

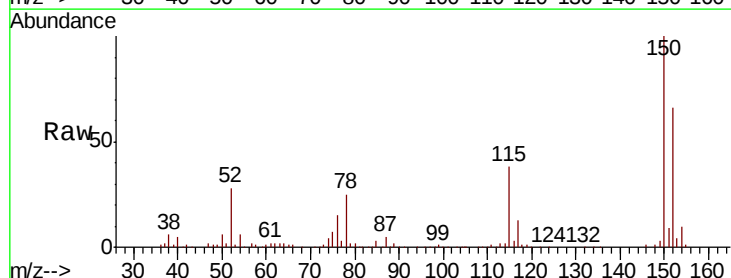
Tgt Ion:152 Resp: 570400

Ion Ratio Lower Upper

152 100

115 58.2 29.2 87.6

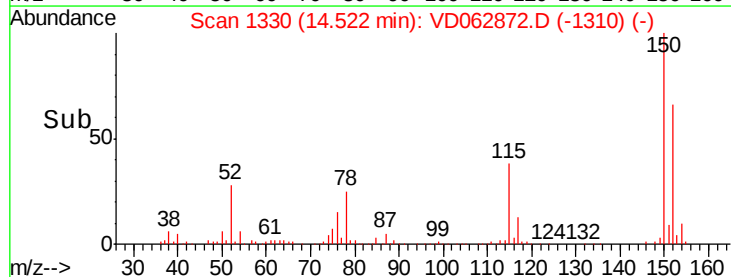
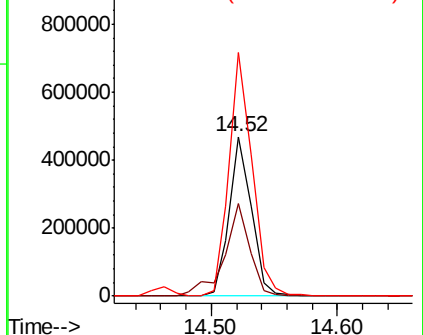
150 152.6 0.0 305.8

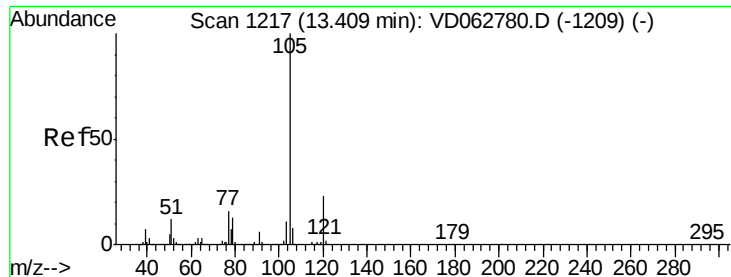


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.813 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

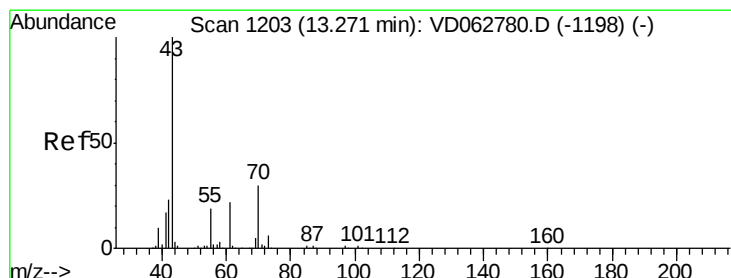
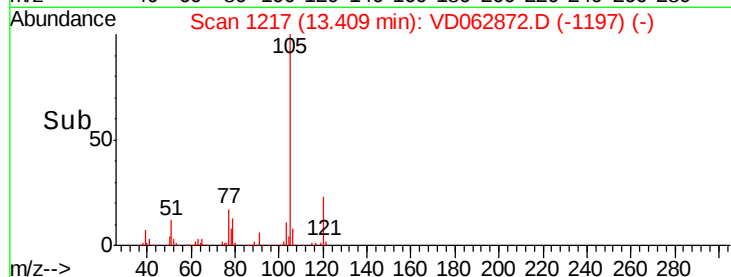
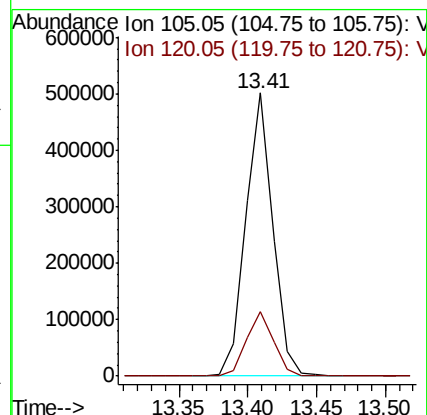
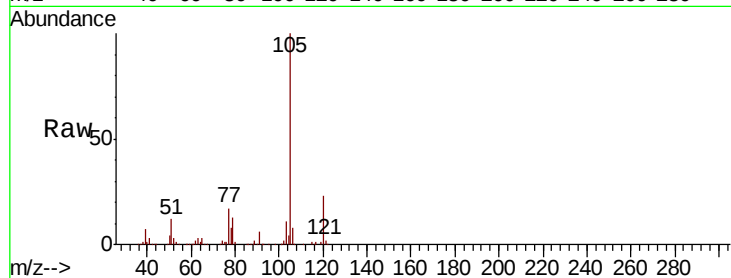
VD0625SBS01

Tot Ion:105 Resp: 688042

Ion Ratio Lower Upper

105 100

120 23.0 11.6 34.7



#74

N-ethyl acetate

Concen: 20.947 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Tgt Ion: 43 Resp: 186046

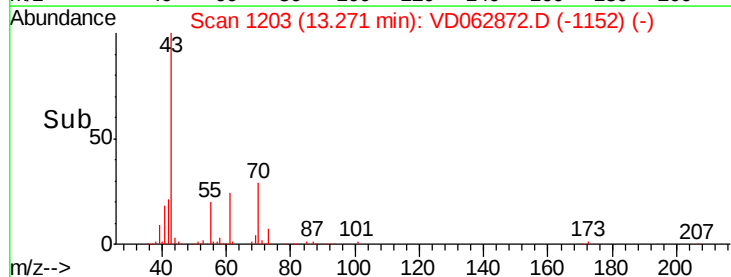
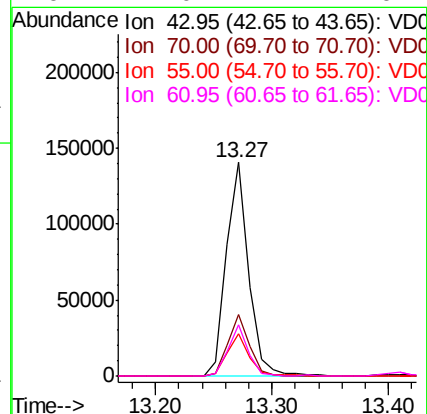
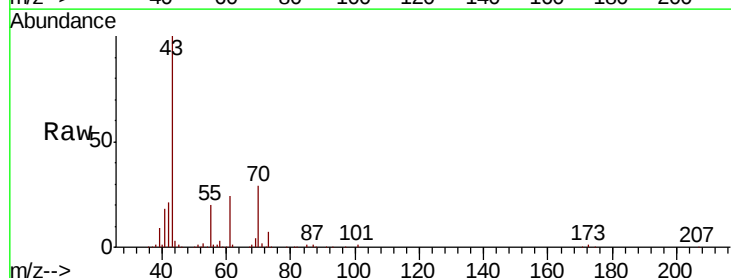
Ion Ratio Lower Upper

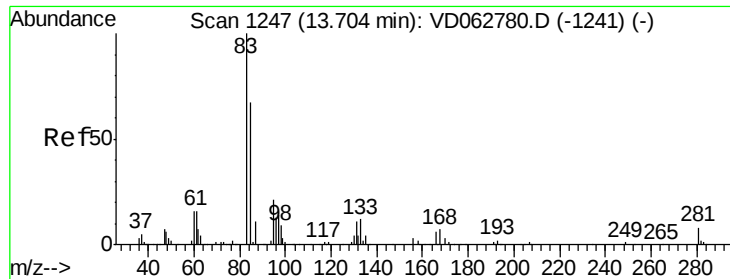
43 100

70 28.6 24.4 36.6

55 19.8 15.2 22.8

61 24.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.524 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

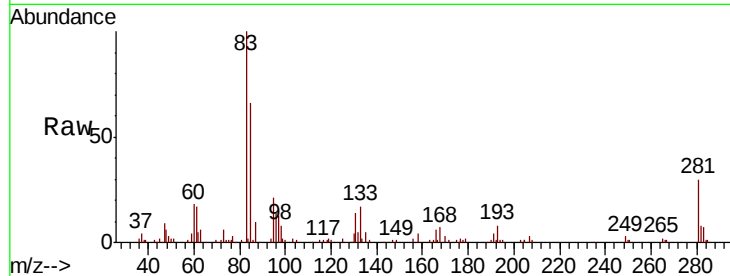
Tot Ion: 83 Resp: 116340

Ion Ratio Lower Upper

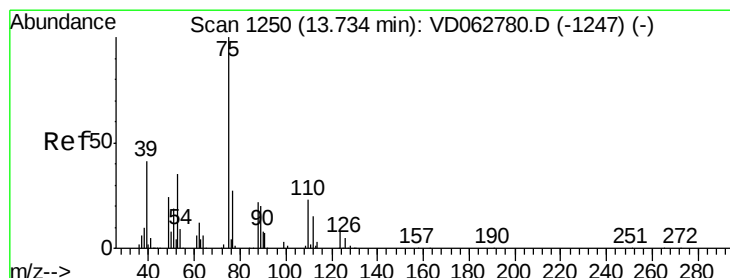
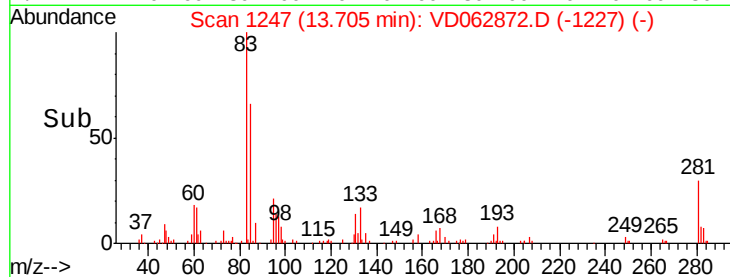
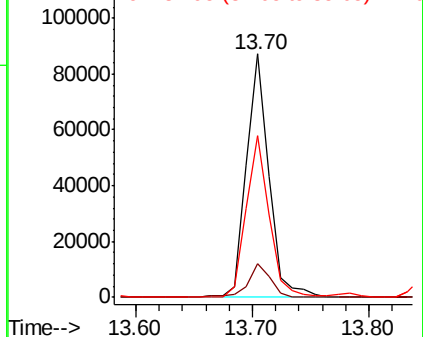
83 100

131 13.8 5.3 16.1

85 66.3 33.7 101.1



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



#76

1,2,3-Trichloropropane

Concen: 21.162 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062872.D

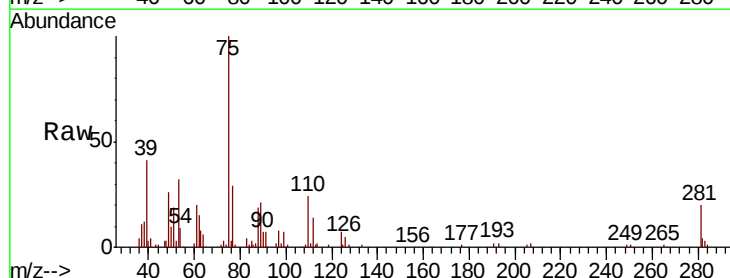
Acq: 25 Jun 2019 12:04

Tgt Ion: 75 Resp: 139349

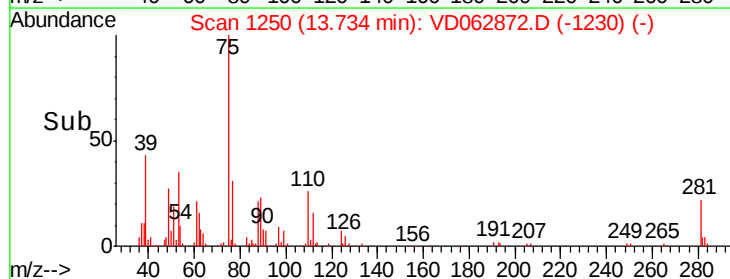
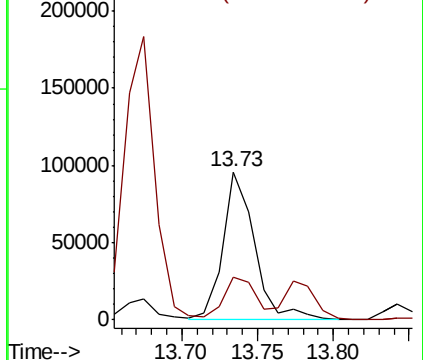
Ion Ratio Lower Upper

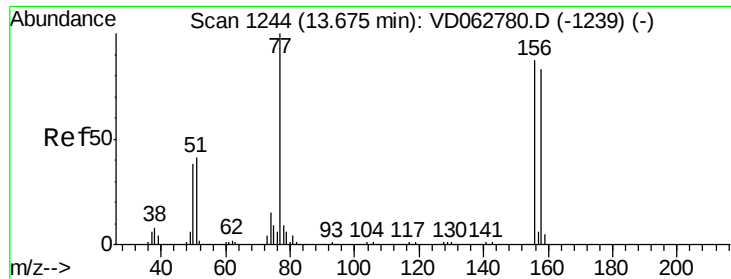
75 100

77 29.1 15.0 45.1



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





#77

Bromobenzene

Concen: 20.155 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

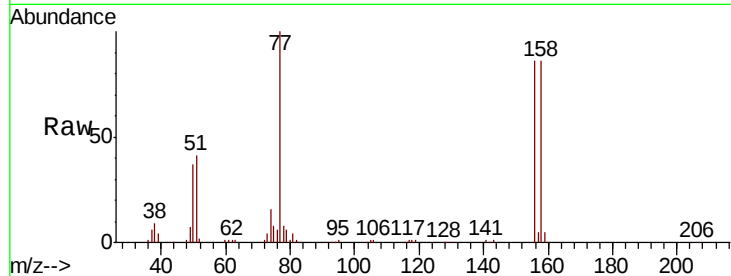
Tot Ion:156 Resp: 198271

Ion Ratio Lower Upper

156 100

77 116.7 57.7 173.1

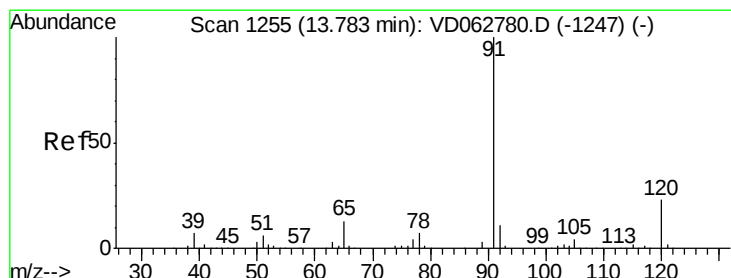
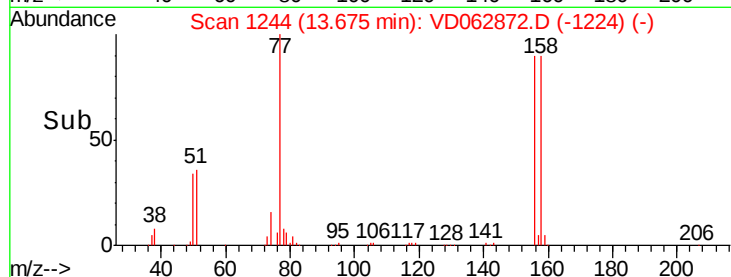
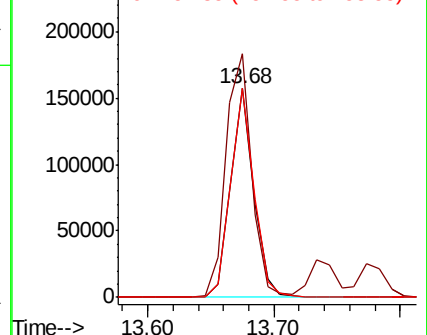
158 100.0 47.7 143.1



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: 19.715 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062872.D

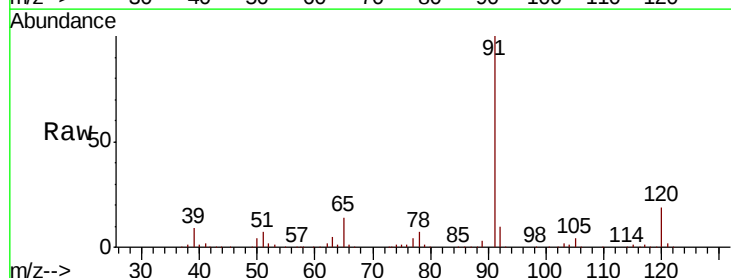
Acq: 25 Jun 2019 12:04

Tgt Ion: 91 Resp: 839220

Ion Ratio Lower Upper

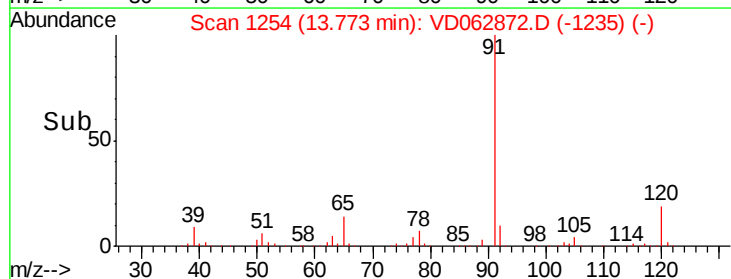
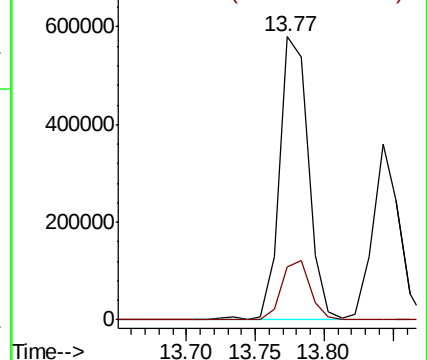
91 100

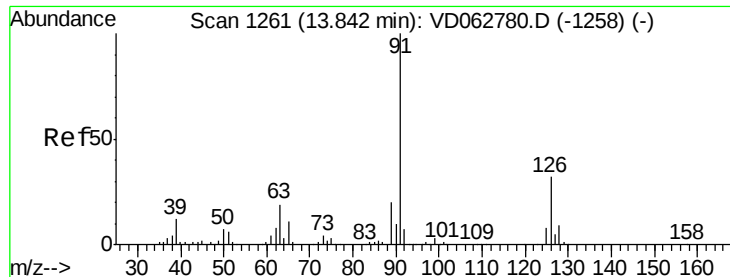
120 18.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

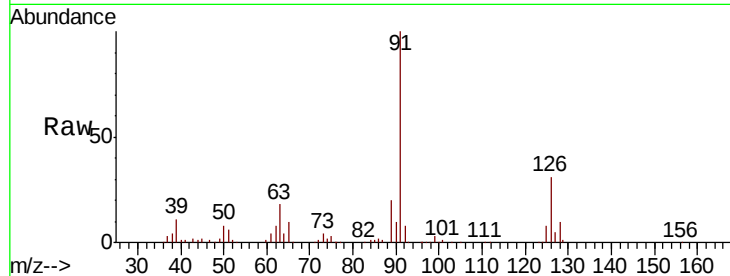




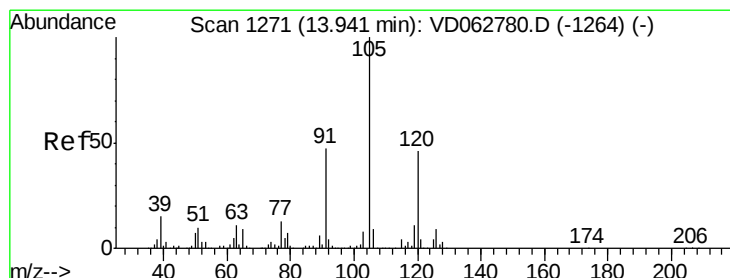
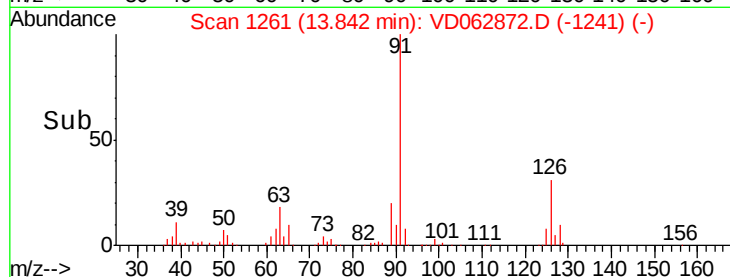
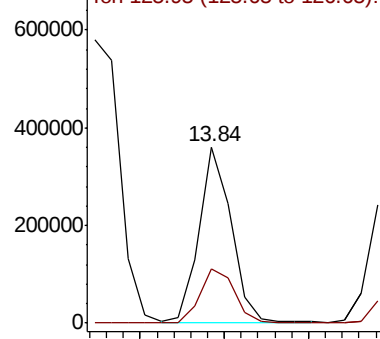
#79
2-Chlorotoluene
Concen: 19.615 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

Tot Ion: 91 Resp: 477162
Ion Ratio Lower Upper
91 100
126 31.0 15.7 47.1

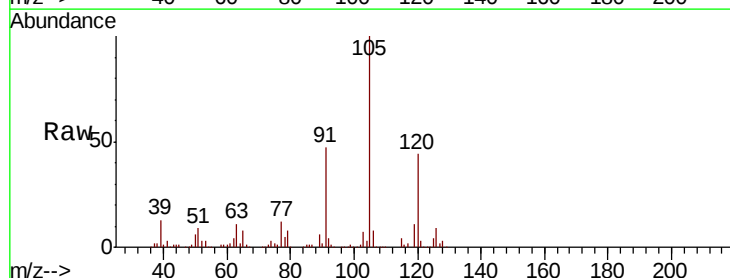


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

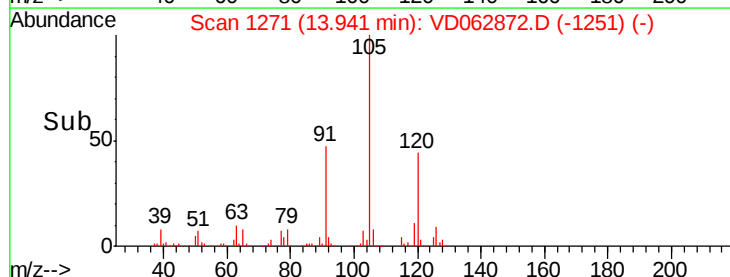
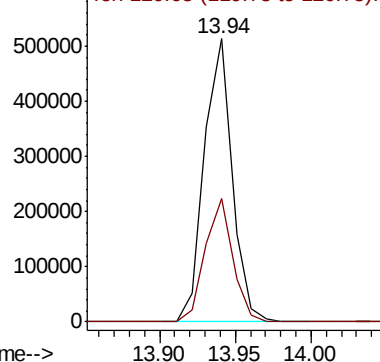


#80
1,3,5-Trimethylbenzene
Concen: 21.345 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion:105 Resp: 655720
Ion Ratio Lower Upper
105 100
120 43.8 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: 19.643 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

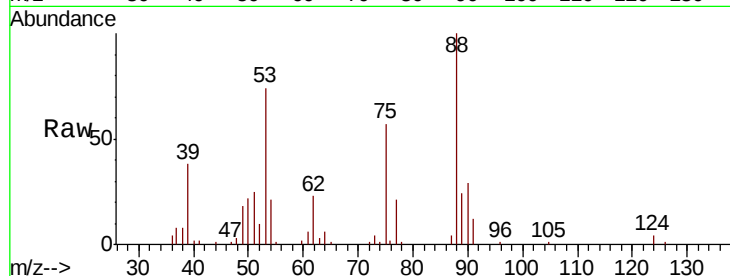
Tot Ion: 75 Resp: 33900

Ion Ratio Lower Upper

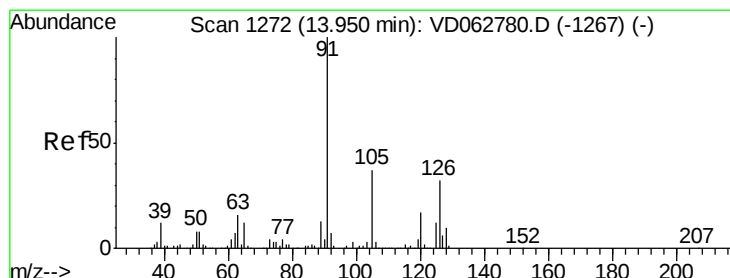
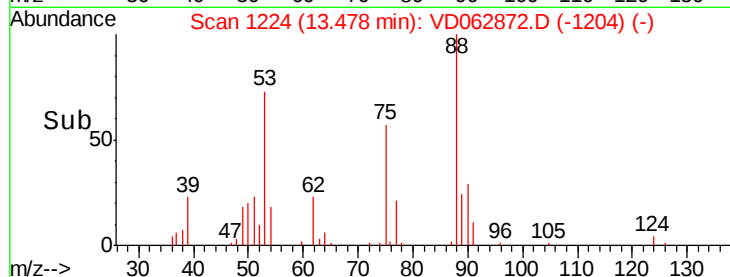
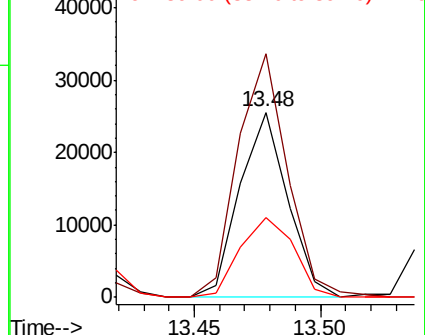
75 100

53 131.4 97.8 146.8

89 42.8 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.458 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062872.D

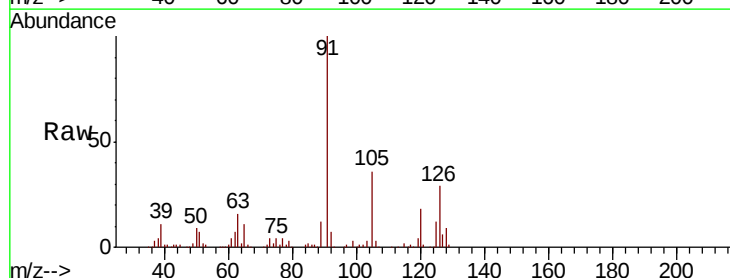
Acq: 25 Jun 2019 12:04

Tgt Ion: 91 Resp: 628449

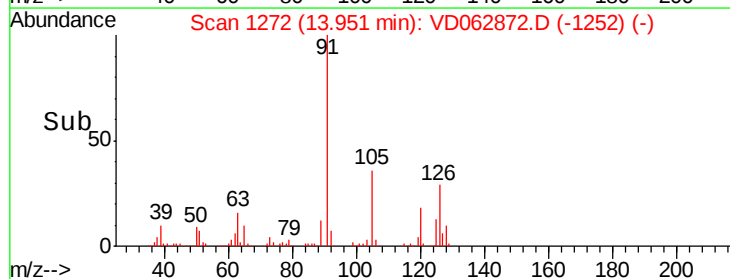
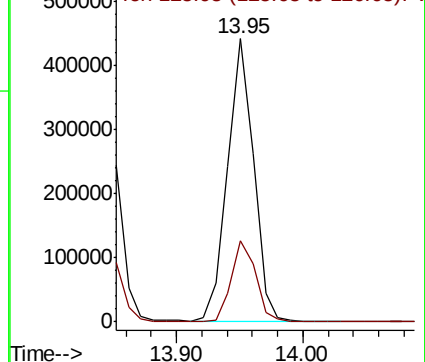
Ion Ratio Lower Upper

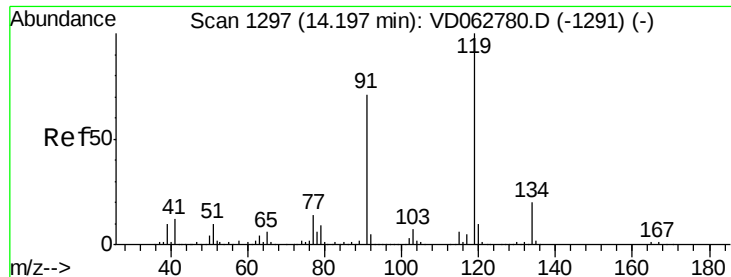
91 100

126 28.7 16.0 47.9



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

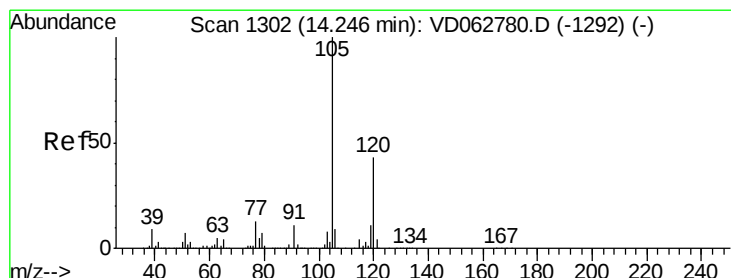
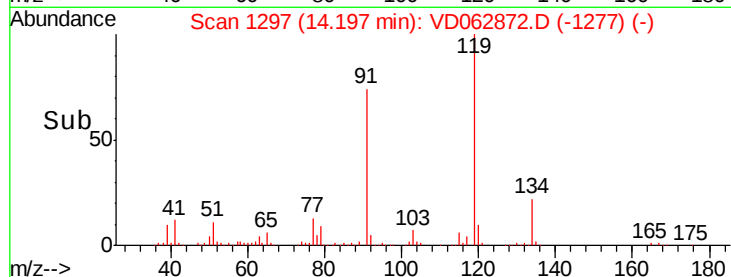
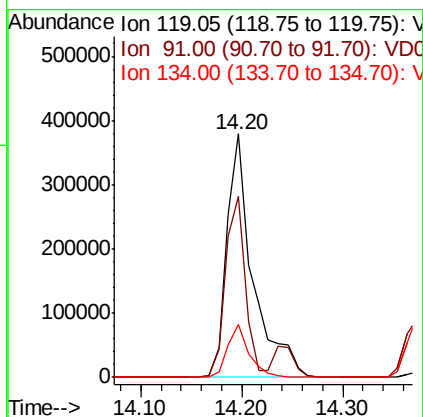
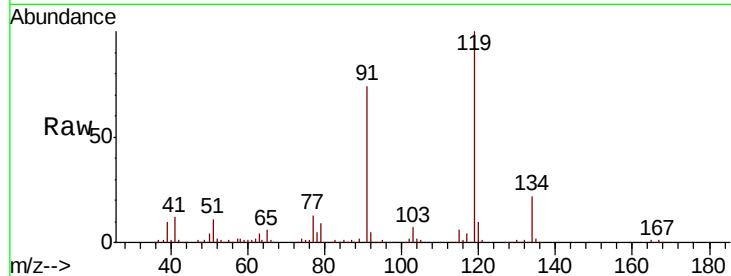




#83
tert-Butylbenzene
Concen: 19.814 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

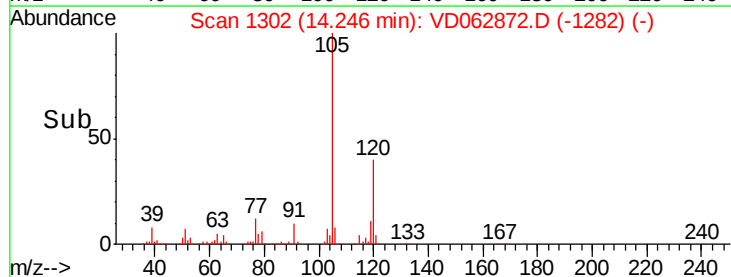
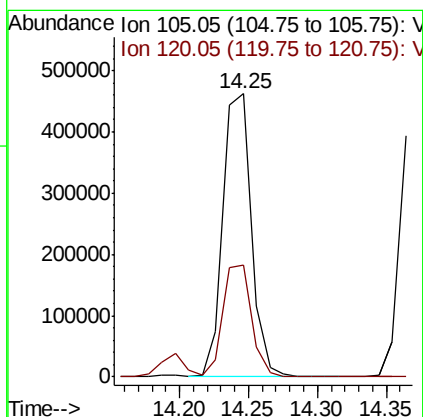
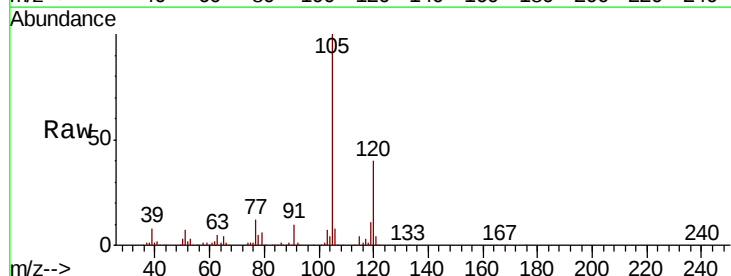
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

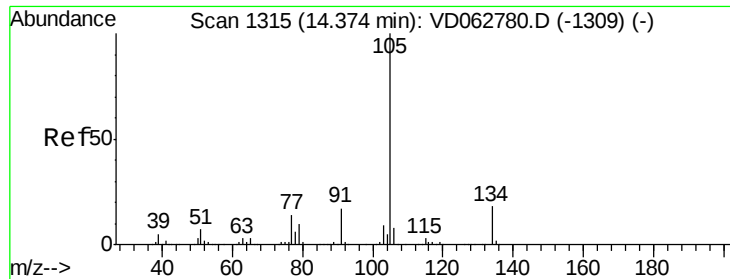
Tot Ion:119 Resp: 678467
Ion Ratio Lower Upper
119 100
91 74.4 35.5 106.5
134 21.6 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 20.891 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion:105 Resp: 657801
Ion Ratio Lower Upper
105 100
120 39.6 21.3 63.9





#85

sec-Butylbenzene

Concen: 20.400 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

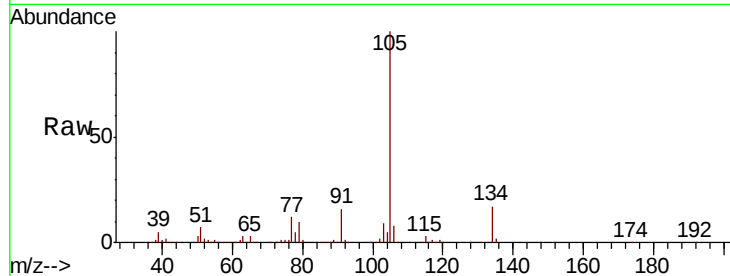
VD0625SBS01

Tot Ion:105 Resp: 759203

Ion Ratio Lower Upper

105 100

134 16.6 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

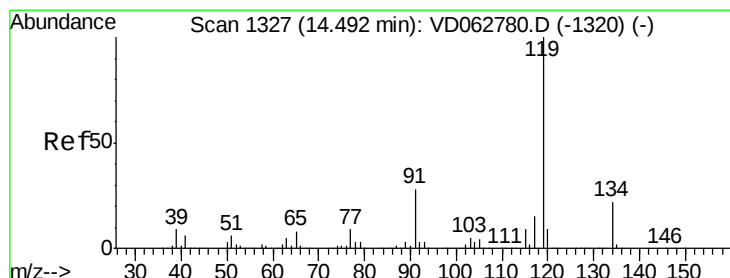
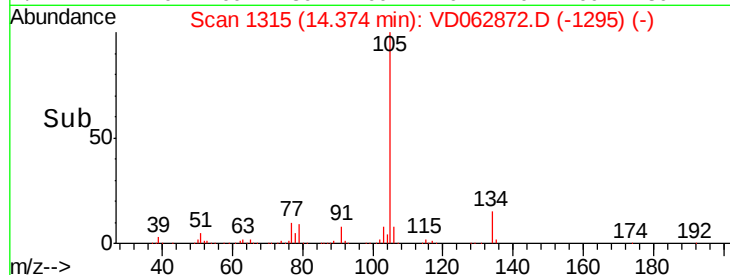
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.585 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

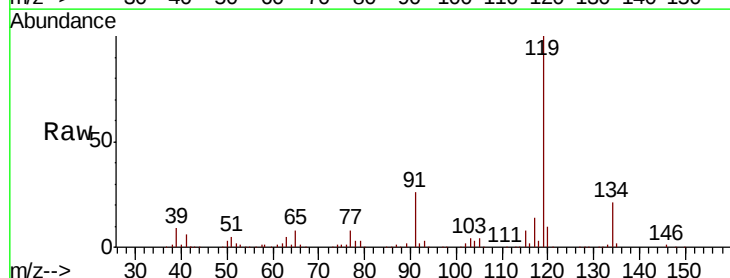
Tgt Ion:119 Resp: 700846

Ion Ratio Lower Upper

119 100

134 21.1 11.1 33.1

91 25.9 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

14.49

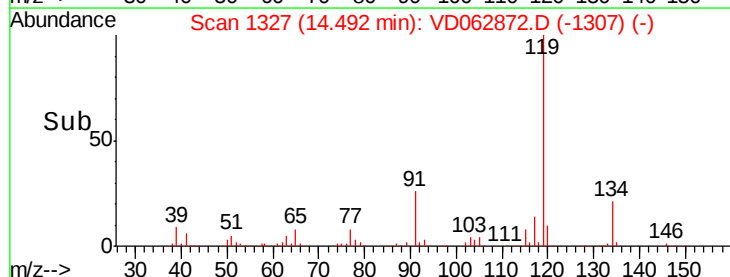
600000

400000

200000

0

Time-->

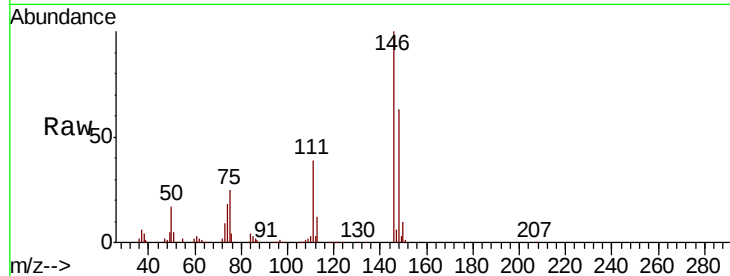




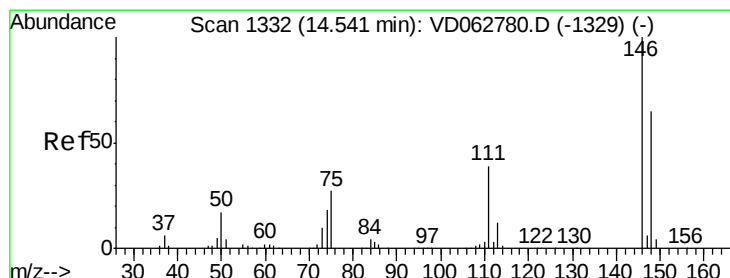
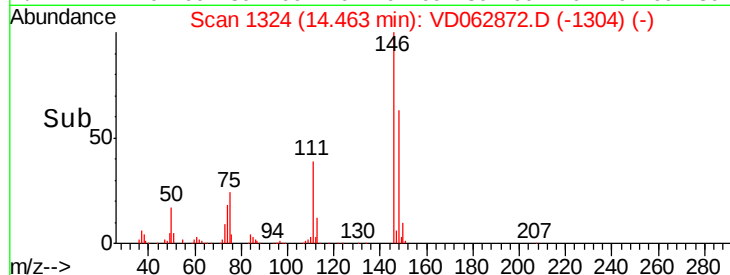
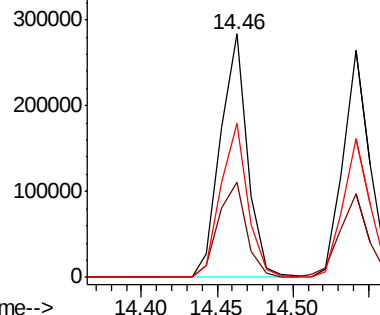
#87
 1,3-Dichlorobenzene
 Concen: 20.040 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.0	57.0
148	63.4	30.8	92.3

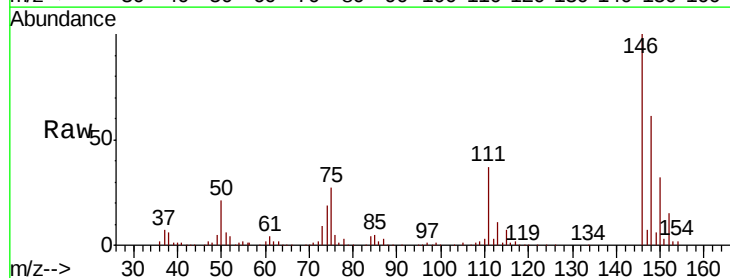


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

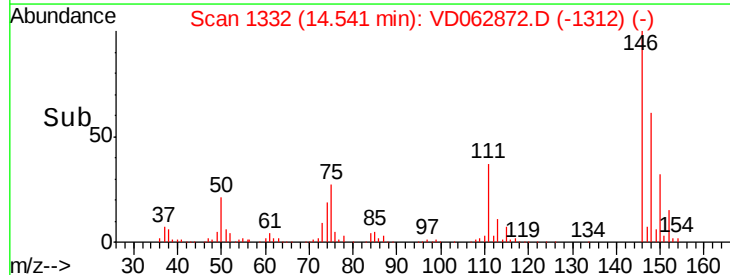
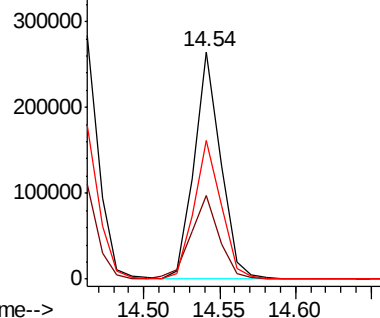


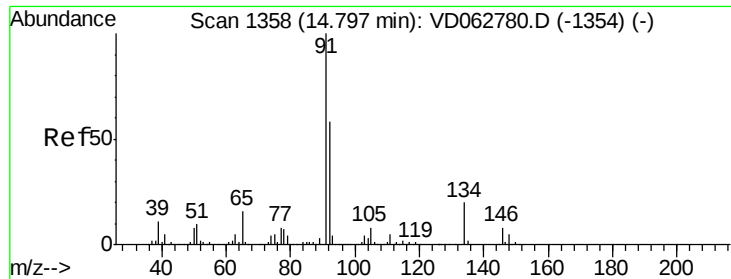
#88
 1,4-Dichlorobenzene
 Concen: 18.321 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.7	59.1
148	61.1	32.8	98.3



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





#89

n-Butylbenzene

Concen: 19.134 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062872.D

Acq: 25 Jun 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBS01

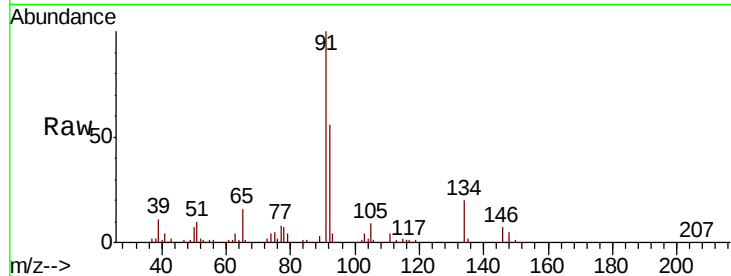
Tot Ion: 91 Resp: 609746

Ion Ratio Lower Upper

91 100

92 55.9 28.9 86.7

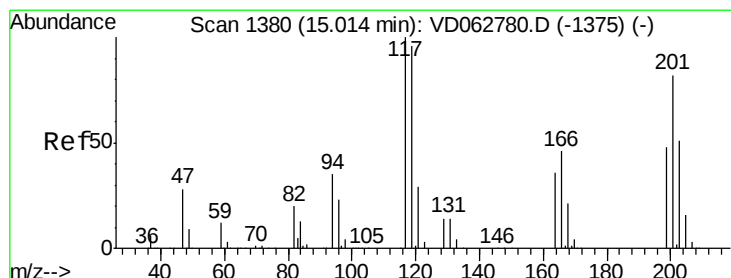
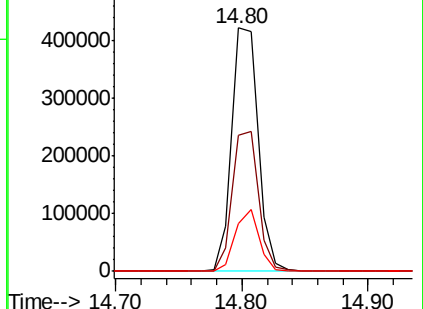
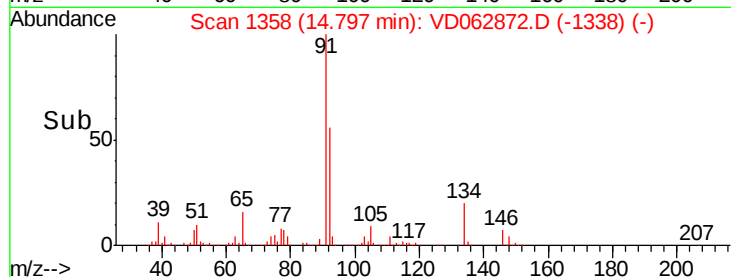
134 19.8 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 18.304 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062872.D

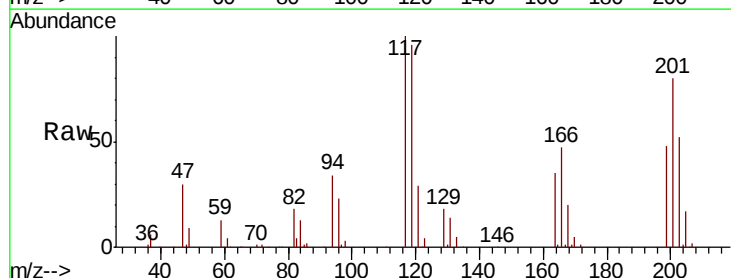
Acq: 25 Jun 2019 12:04

Tgt Ion: 117 Resp: 167557

Ion Ratio Lower Upper

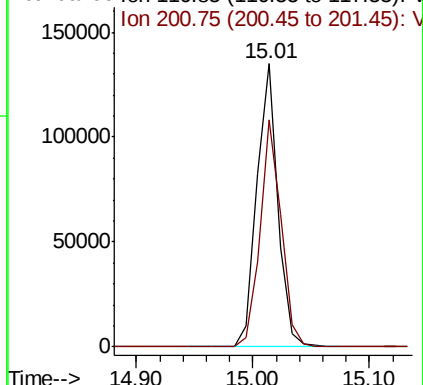
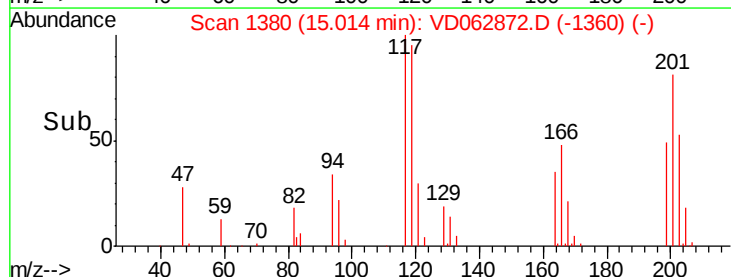
117 100

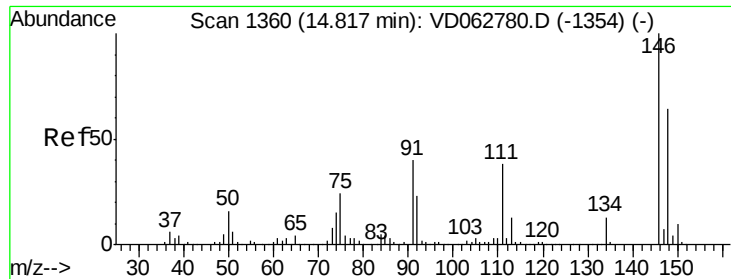
201 80.4 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

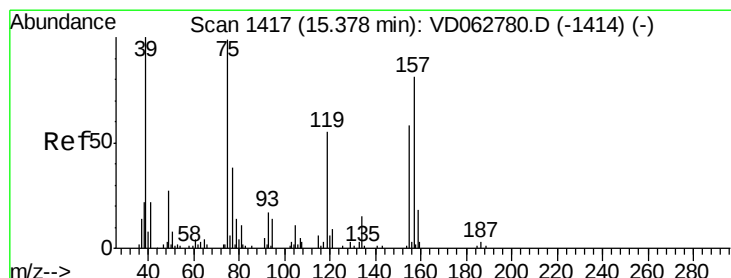
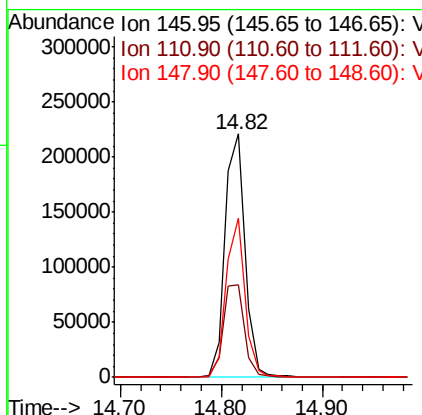
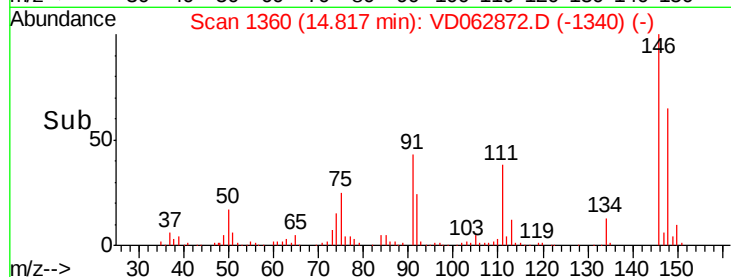
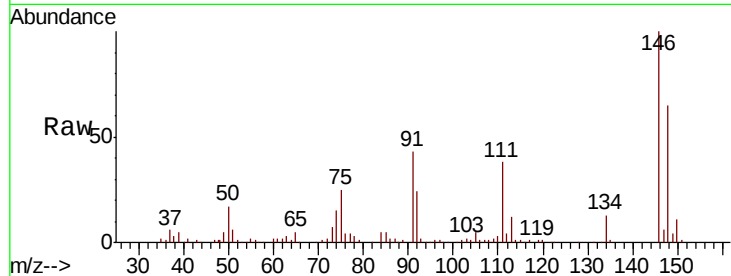




#91
 1,2-Dichlorobenzene
 Concen: 20.260 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

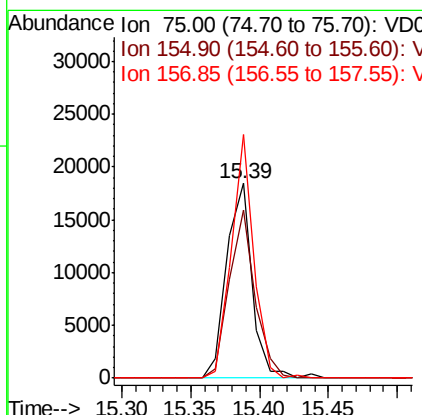
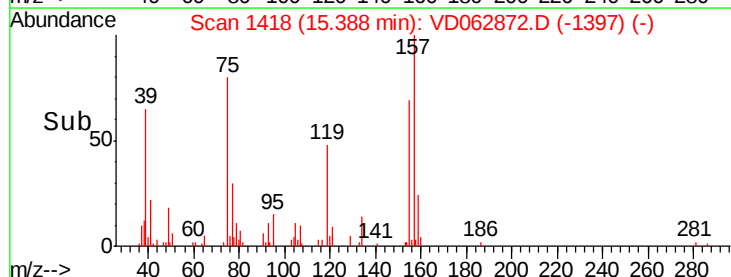
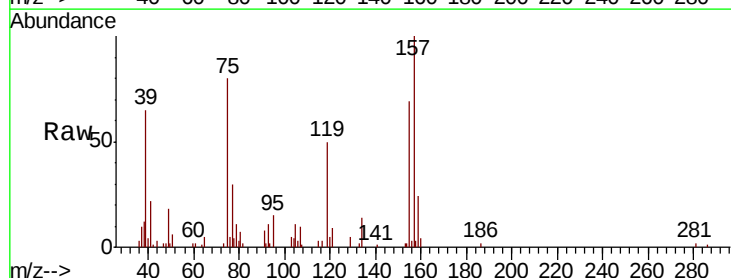
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

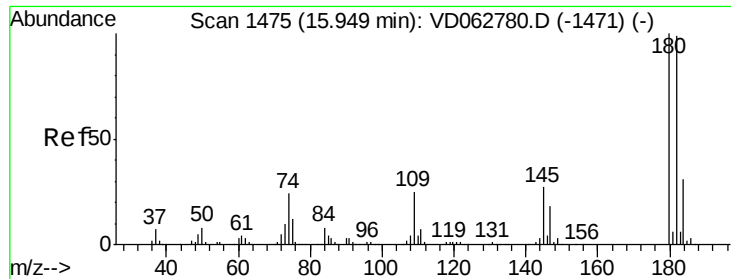
Tot Ion:146 Resp: 305661
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.1 57.1
 148 65.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.258 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Tgt Ion: 75 Resp: 23562
 Ion Ratio Lower Upper
 75 100
 155 86.8 29.3 87.8
 157 125.3 41.3 123.7#

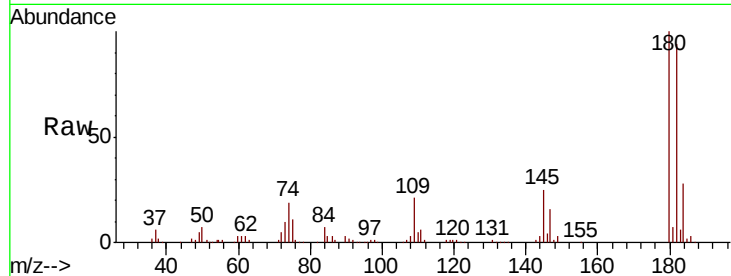




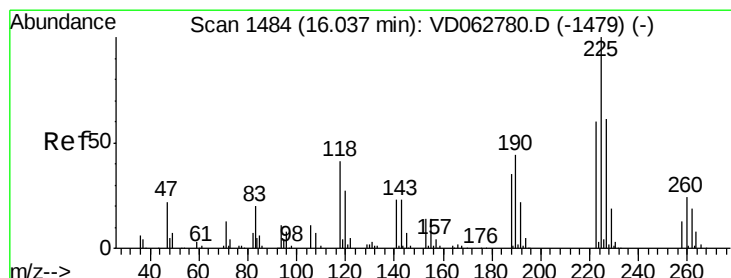
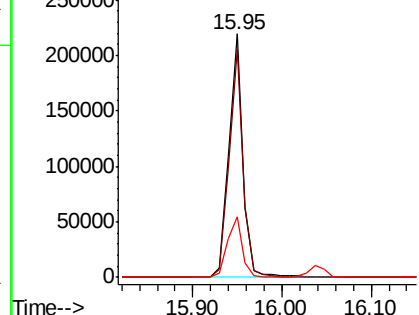
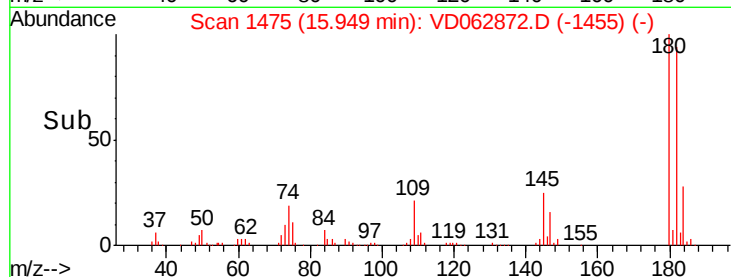
#93
 1,2,4-Trichlorobenzene
 Concen: 20.912 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	49.5	148.5
145	25.0	13.7	41.0

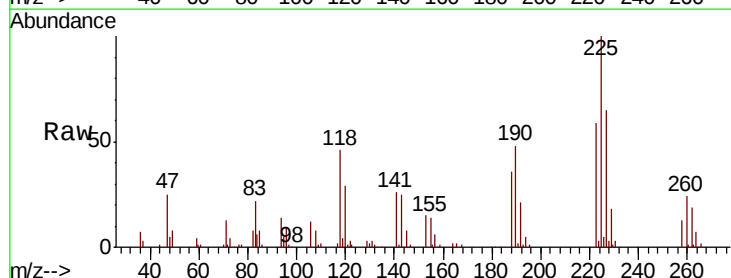


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

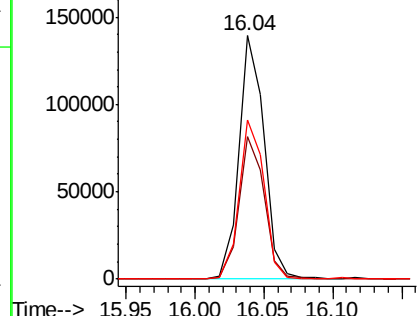
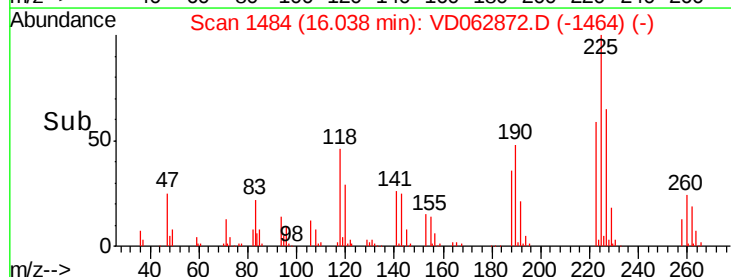


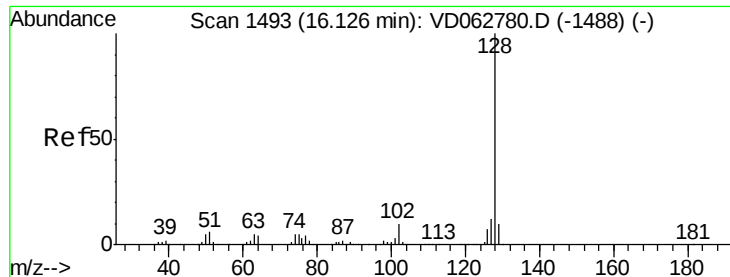
#94
 Hexachlorobutadiene
 Concen: 19.645 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062872.D
 Acq: 25 Jun 2019 12:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.6	29.8	89.5
227	65.4	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

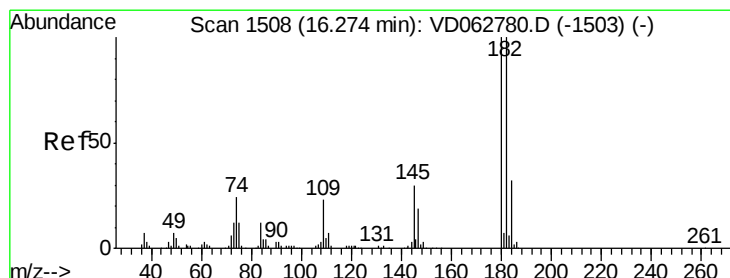
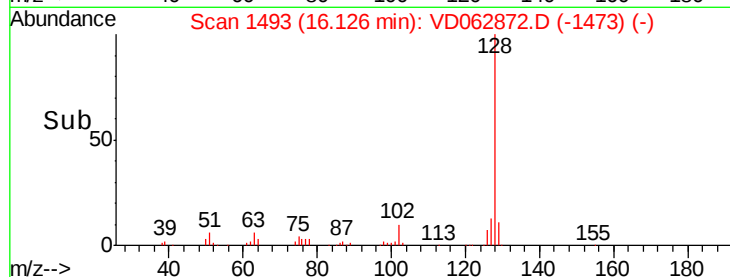
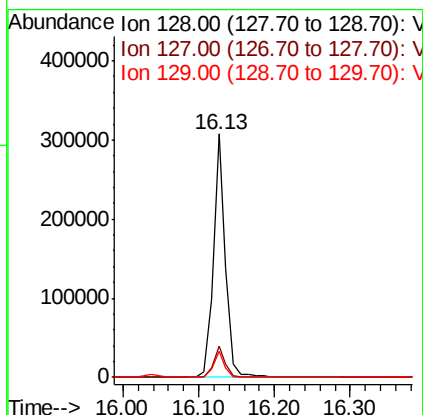
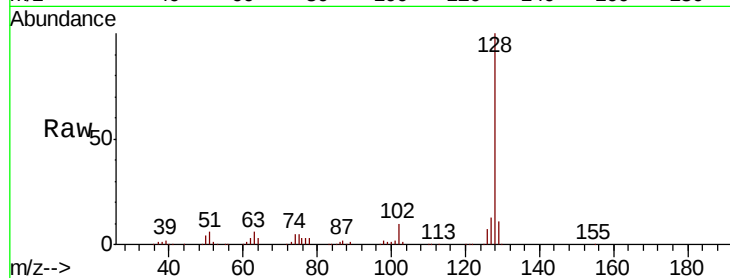




#95
Naphthalene
Concen: 20.831 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBS01

Tot Ion:128 Resp: 344103
Ion Ratio Lower Upper
128 100
127 12.6 9.7 14.5
129 10.9 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 20.470 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062872.D
Acq: 25 Jun 2019 12:04

Tgt Ion:180 Resp: 185359
Ion Ratio Lower Upper
180 100
182 98.3 49.9 149.6
145 31.6 15.2 45.5

