

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\
 Data File : VD062599.D
 Acq On : 4 Jun 2019 15:44
 Operator : FY/SY
 Sample : VD0604SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 05 03:48:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	894488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1179405	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	999443	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	539019	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	554214	52.84	ug/l	-0.02
Spiked Amount			Recovery	=	105.68%	
35) Dibromofluoromethane	6.92	113	598582	55.70	ug/l	-0.02
Spiked Amount			Recovery	=	111.40%	
50) Toluene-d8	10.41	98	1156987	49.13	ug/l	-0.02
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	13.56	95	549663	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	217378	20.953	ug/l	95
3) Chloromethane	1.75	50	168211	14.072	ug/l	96
4) Vinyl Chloride	1.85	62	153220	19.334	ug/l	97
5) Bromomethane	2.16	94	61579	23.928	ug/l	91
6) Chloroethane	2.26	64	76271	20.524	ug/l	96
7) Trichlorofluoromethane	2.53	101	338552	20.215	ug/l	93
8) Diethyl Ether	2.87	74	49300	22.948	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	184501	18.656	ug/l	92
10) Methyl Iodide	3.31	142	257114	22.912	ug/l	99
11) Tert butyl alcohol	4.08	59	42620	95.273	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	135189	19.323	ug/l	94
13) Acrolein	3.04	56	18451	94.661	ug/l	88
14) Allyl chloride	3.61	41	210269	19.241	ug/l	94
15) Acrylonitrile	4.20	53	101863	95.253	ug/l	93
16) Acetone	3.23	43	193145	93.727	ug/l #	91
17) Carbon Disulfide	3.37	76	402480	17.698	ug/l	99
18) Methyl Acetate	3.64	43	65852	19.579	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	326936	19.291	ug/l	100
20) Methylene Chloride	3.81	84	153381	20.107	ug/l	91
21) trans-1,2-Dichloroethene	4.21	96	141151	17.779	ug/l	95
22) Diisopropyl ether	5.12	45	448000	20.066	ug/l	96
23) Vinyl Acetate	5.06	43	1330636	98.280	ug/l	99
24) 1,1-Dichloroethane	4.98	63	282892	19.635	ug/l	98
25) 2-Butanone	6.06	43	175256	90.302	ug/l #	92
26) 2,2-Dichloropropane	6.02	77	319594	19.995	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	158687	19.444	ug/l	99
28) Bromochloromethane	6.44	49	106835	21.459	ug/l	91
29) Tetrahydrofuran	6.46	42	85116	97.906	ug/l	97
30) Chloroform	6.66	83	359469	20.706	ug/l	99
31) Cyclohexane	6.95	56	190712	19.578	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	366744	20.298	ug/l	97
36) 1,1-Dichloropropene	7.14	75	233193	19.862	ug/l	95
37) Ethyl Acetate	6.18	43	100395	20.283	ug/l #	95
38) Carbon Tetrachloride	7.11	117	379572	21.715	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	195464	19.664	ug/l	96
40) Benzene	7.45	78	458063	19.879	ug/l	97
41) Methacrylonitrile	6.46	41	118925	20.417	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	264175	20.582	ug/l	96
43) Isopropyl Acetate	9.23	43	126656	20.560	ug/l #	97
44) Trichloroethene	8.54	130	197090	21.410	ug/l	94
45) 1,2-Dichloropropane	8.94	63	113262	20.049	ug/l	96
46) Dibromomethane	9.06	93	98533	20.764	ug/l	91
47) Bromodichloromethane	9.37	83	257929	19.727	ug/l #	96
48) Methyl methacrylate	9.12	41	93894	22.884	ug/l	98
49) 1,4-Dioxane	9.08	88	13791	413.806	ug/l #	68
51) 4-Methyl-2-Pentanone	10.30	43	432696	100.675	ug/l	97
52) Toluene	10.50	92	294717	18.753	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	217670	19.705	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	229937	20.021	ug/l	93
55) 1,1,2-Trichloroethane	11.18	97	99343	19.251	ug/l	93
56) Ethyl methacrylate	11.04	69	112010	20.365	ug/l	96
57) 1,3-Dichloropropane	11.40	76	162693	20.452	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	355529	126.037	ug/l	97
59) 2-Hexanone	11.53	43	306707	101.738	ug/l	94
60) Dibromochloromethane	11.69	129	196655	19.610	ug/l	96
61) 1,2-Dibromoethane	11.80	107	123303	19.863	ug/l	98
64) Tetrachloroethene	11.25	164	163186	18.470	ug/l	97
65) Chlorobenzene	12.39	112	386573	19.855	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	188415	20.462	ug/l	97
67) Ethyl Benzene	12.52	91	714914	20.041	ug/l	99
68) m/p-Xylenes	12.66	106	478504	38.776	ug/l	91
69) o-Xylene	13.04	106	224038	19.032	ug/l	78
70) Styrene	13.07	104	403381	20.181	ug/l	97
71) Bromoform	13.23	173	117499	18.178	ug/l #	97
73) Isopropylbenzene	13.40	105	640987	18.038	ug/l	94
74) N-amyl acetate	13.26	43	173264	19.123	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	109417	19.415	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	124654	19.276	ug/l	99
77) Bromobenzene	13.66	156	188951	19.393	ug/l	80
78) n-propylbenzene	13.77	91	777307	18.977	ug/l	100
79) 2-Chlorotoluene	13.84	91	493234	20.768	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	614177	20.227	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	33443	18.048	ug/l #	62
82) 4-Chlorotoluene	13.94	91	589317	20.727	ug/l	87
83) tert-Butylbenzene	14.19	119	619319	18.279	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	567579	18.344	ug/l	100
85) sec-Butylbenzene	14.36	105	709430	19.765	ug/l	96
86) p-Isopropyltoluene	14.49	119	606501	18.086	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	320398	18.971	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	340267	20.104	ug/l	95
89) n-Butylbenzene	14.80	91	619738	20.703	ug/l	98
90) Hexachloroethane	15.00	117	163294	18.355	ug/l	75
91) 1,2-Dichlorobenzene	14.81	146	293858	20.683	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	20124	17.221	ug/l	73

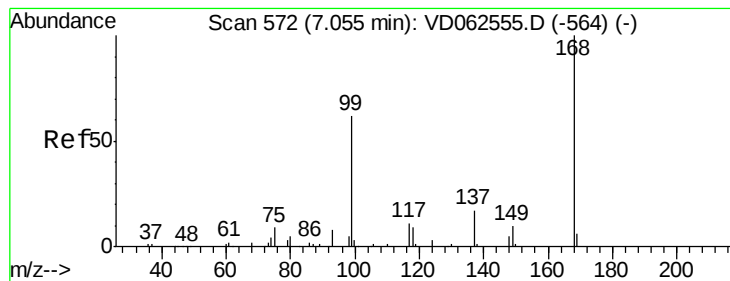
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	202248	17.803	ug/l	93
94) Hexachlorobutadiene	16.04	225	153264	18.275	ug/l	98
95) Naphthalene	16.13	128	288816	18.668	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	146084	17.214	ug/l	96

(#) = 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. -0.01 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

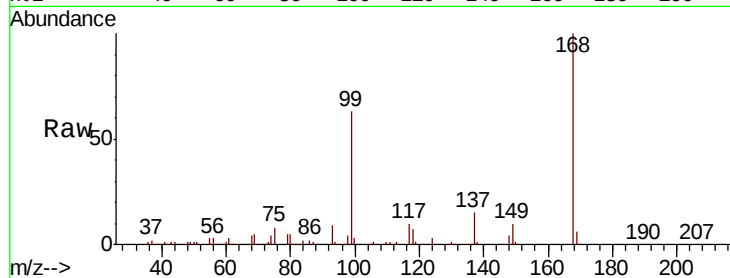
ClientSampled :

Tot Ion:168 Resp: 894488

Ion Ratio Lower Upper

168 100

99 63.0 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

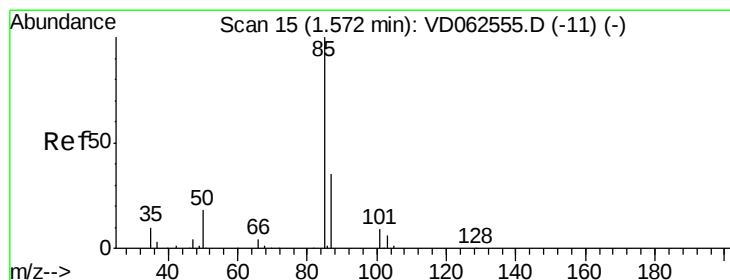
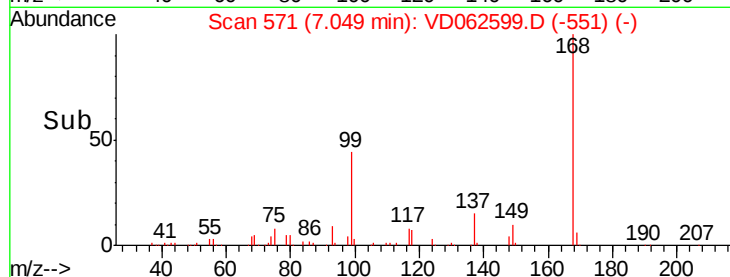
200000

100000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#2

Dichlorodifluoromethane

Concen: 20.953 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062599.D

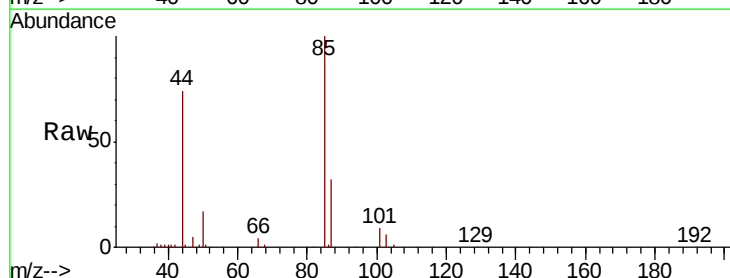
Acq: 4 Jun 2019 15:44

Tgt Ion: 85 Resp: 217378

Ion Ratio Lower Upper

85 100

87 32.2 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

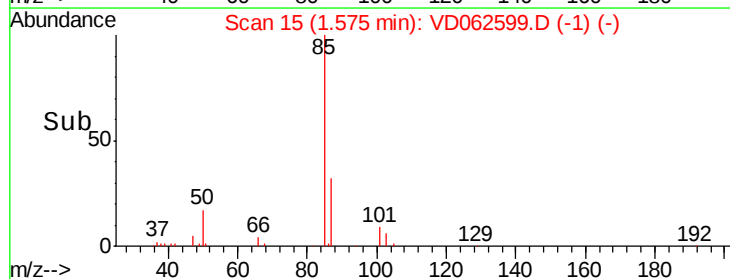
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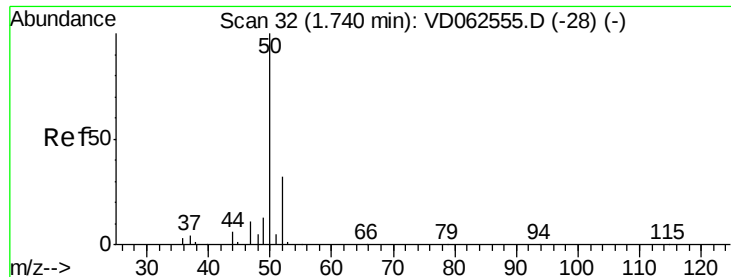
20000

0

Time-->

1.50 1.60 1.70





#3

Chloromethane

Concen: 14.072 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

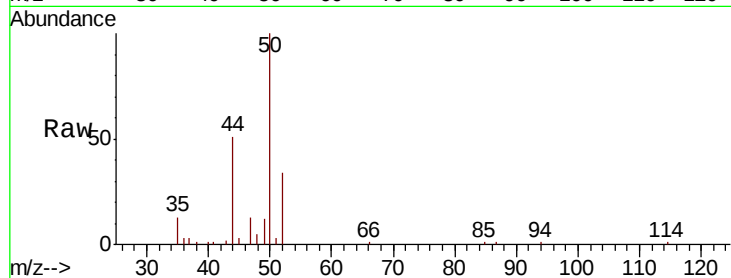
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 168211

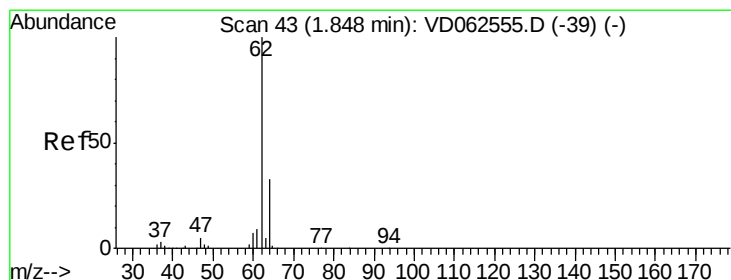
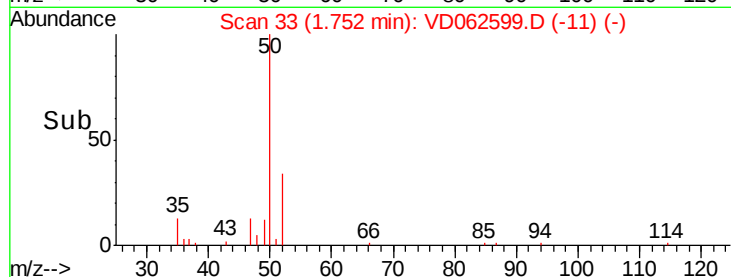
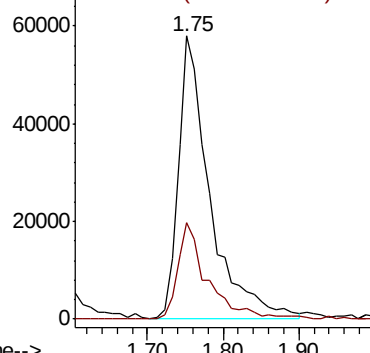
Ion Ratio Lower Upper

50 100

52 34.1 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.334 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062599.D

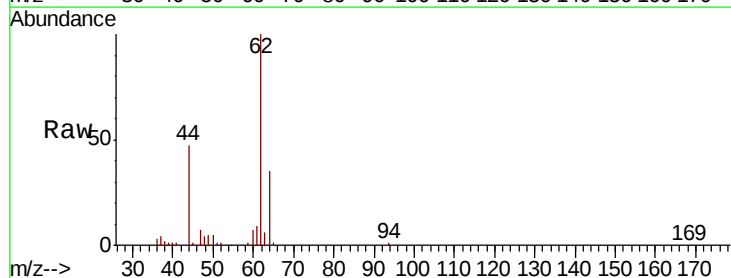
Acq: 4 Jun 2019 15:44

Tgt Ion: 62 Resp: 153220

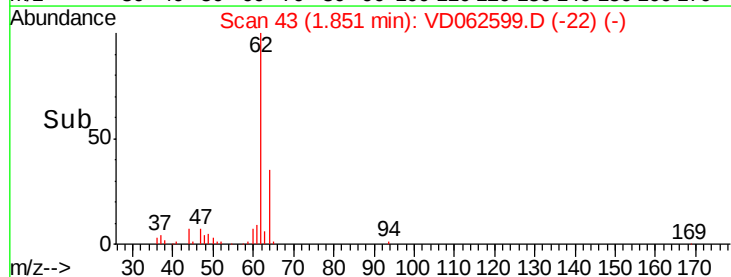
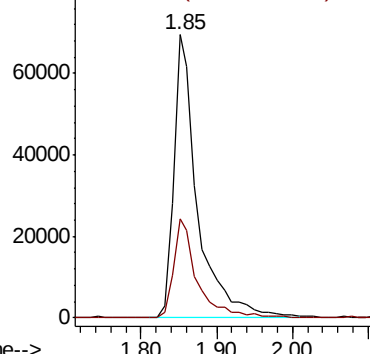
Ion Ratio Lower Upper

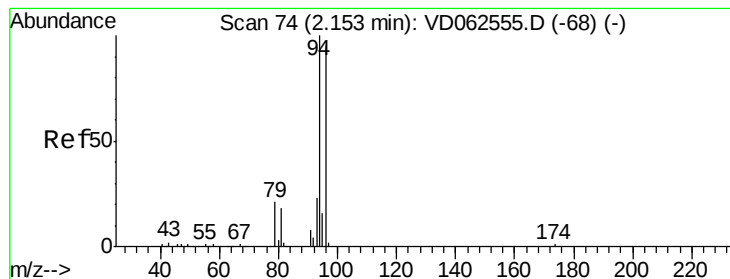
62 100

64 34.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 23.928 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

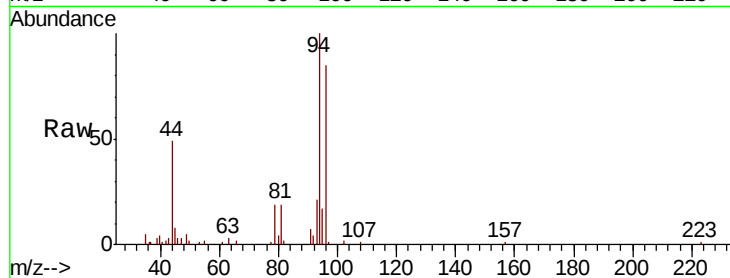
Tot Ion: 94 Resp: 61579

Ion Ratio Lower Upper

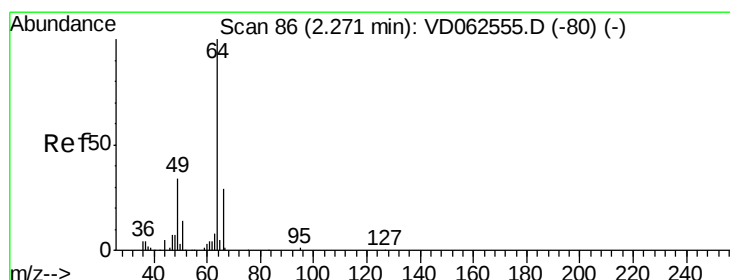
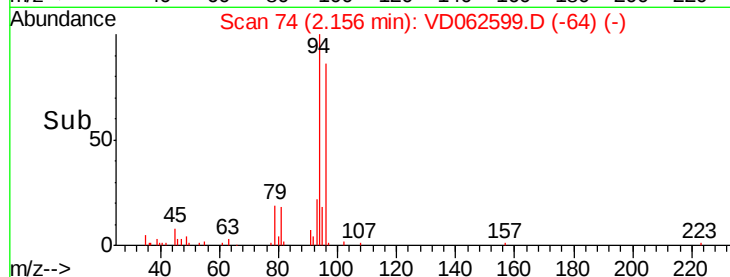
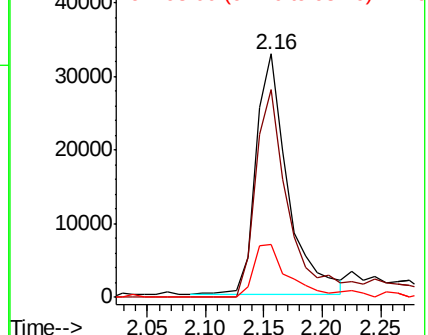
94 100

96 85.3 76.2 114.4

93 21.5 18.4 27.6



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: 20.524 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062599.D

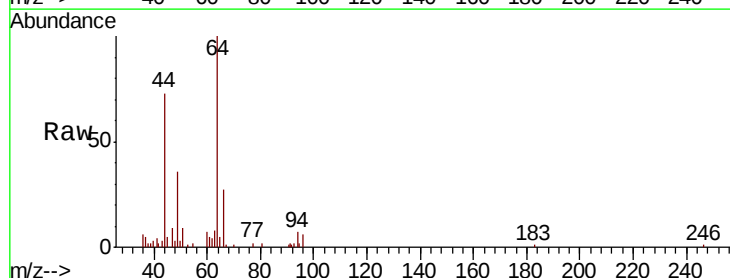
Acq: 4 Jun 2019 15:44

Tgt Ion: 64 Resp: 76271

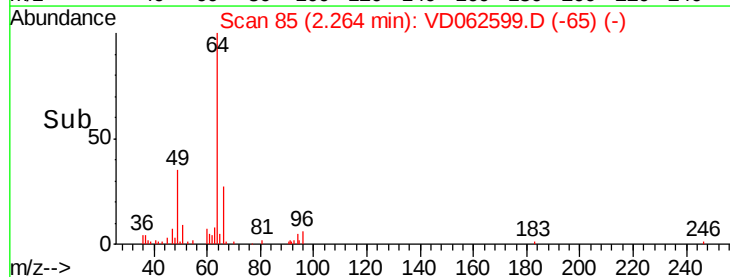
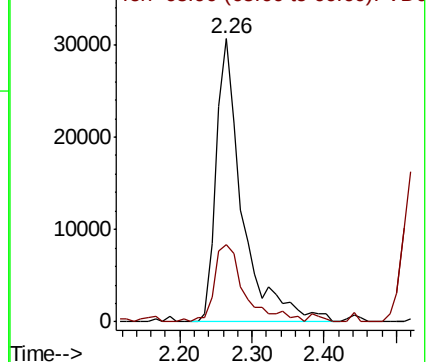
Ion Ratio Lower Upper

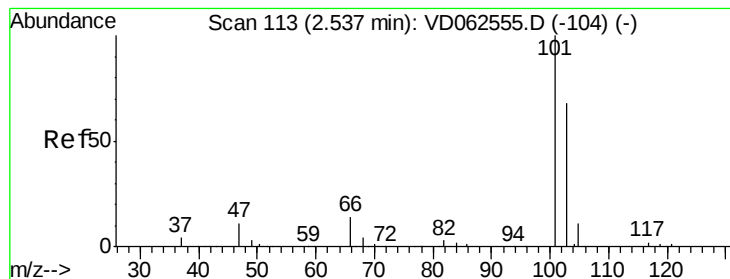
64 100

66 27.1 23.4 35.2



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



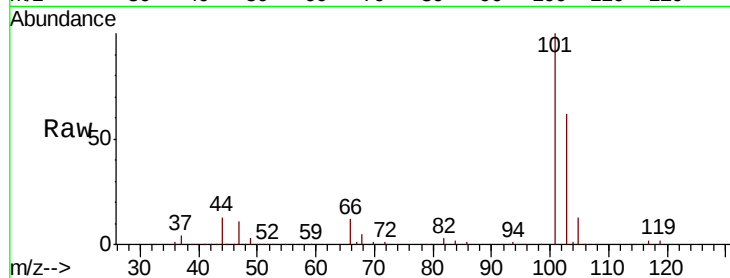


#7

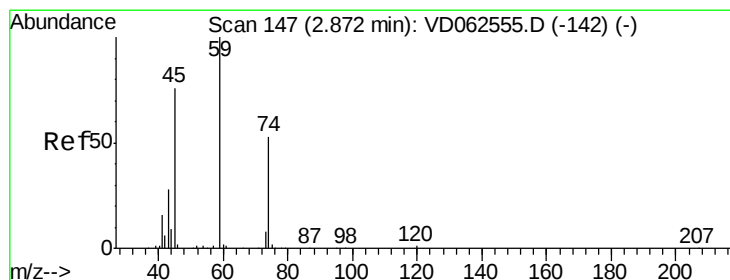
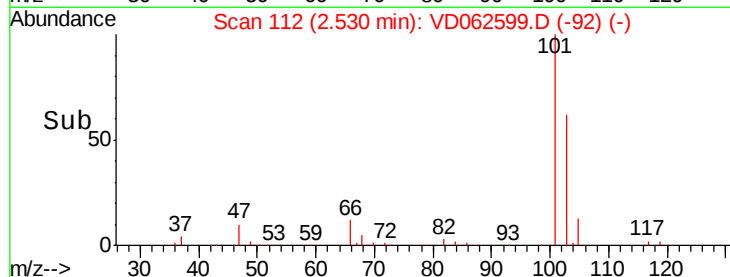
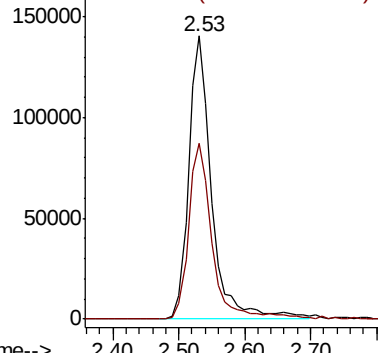
Trichlorofluoromethane
Concen: 20.215 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 338552
Ion Ratio Lower Upper
101 100
103 62.3 54.3 81.5



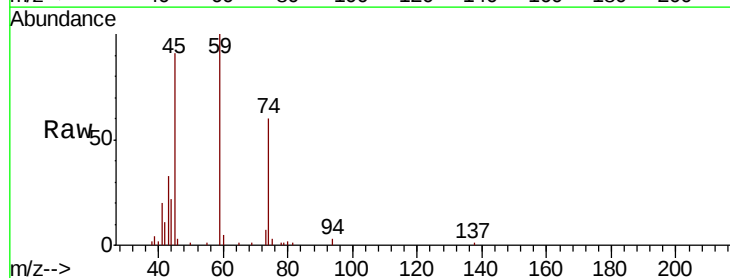
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



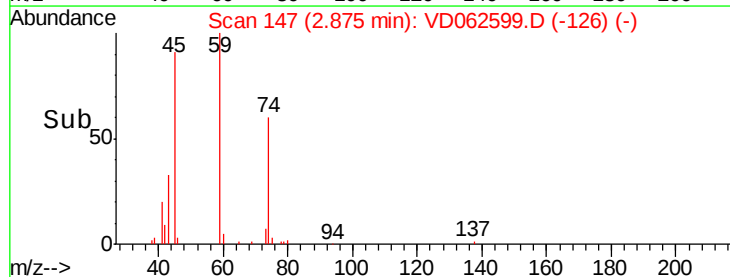
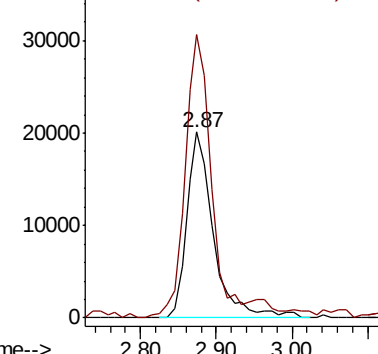
#8

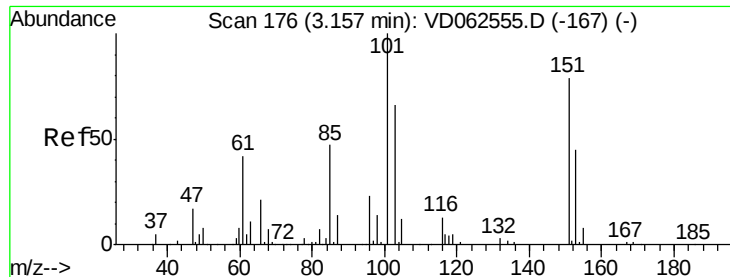
Diethyl Ether
Concen: 22.948 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 74 Resp: 49300
Ion Ratio Lower Upper
74 100
45 152.3 71.9 215.7



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: 18.656 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

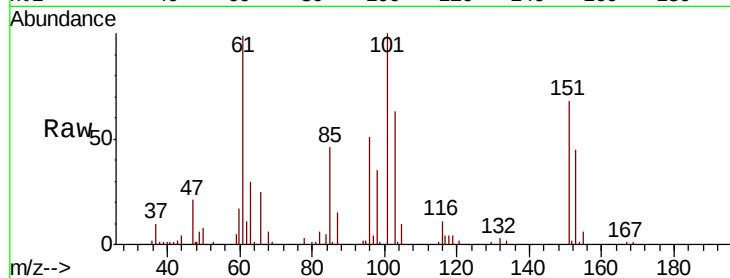
Tot Ion:101 Resp: 184501

Ion Ratio Lower Upper

101 100

85 45.8 37.6 56.4

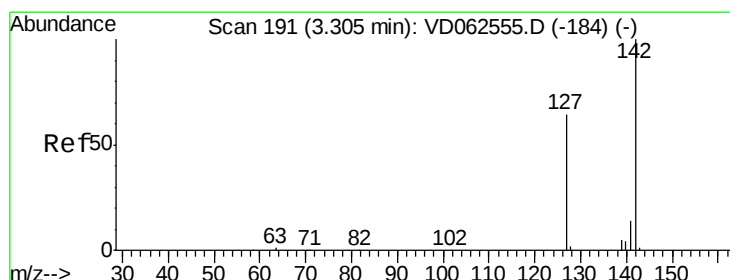
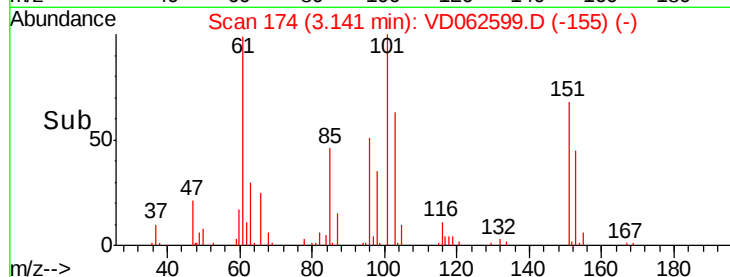
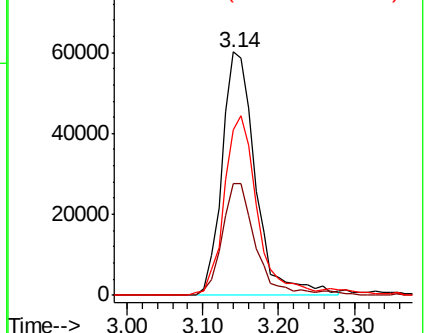
151 67.9 63.0 94.4



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: 22.912 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

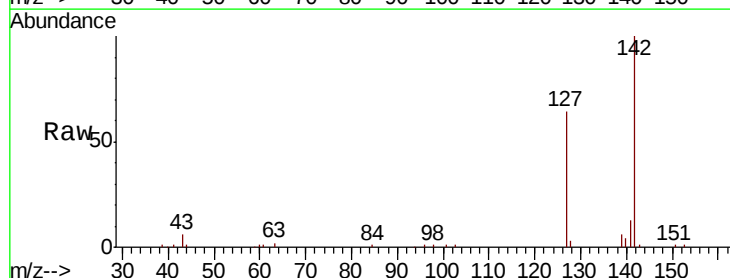
Tgt Ion:142 Resp: 257114

Ion Ratio Lower Upper

142 100

127 64.1 51.2 76.8

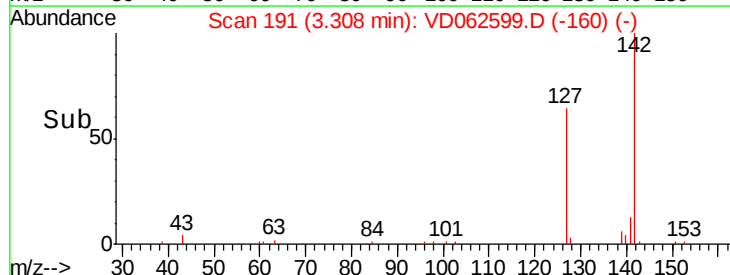
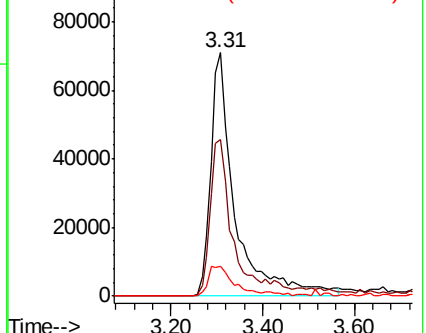
141 12.5 11.0 16.4

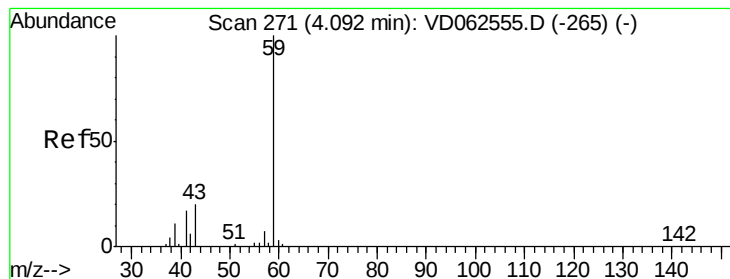


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



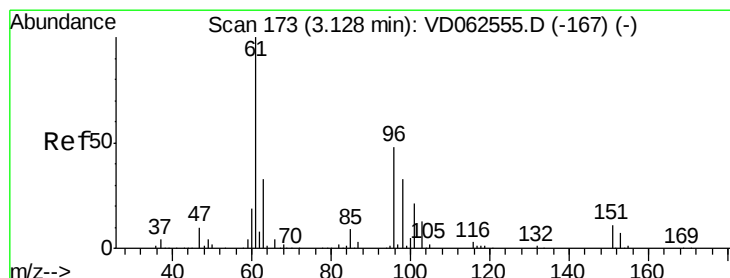
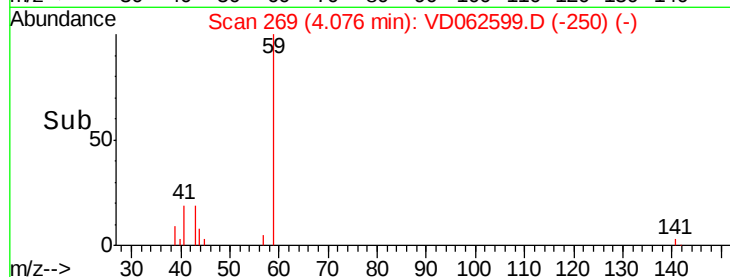
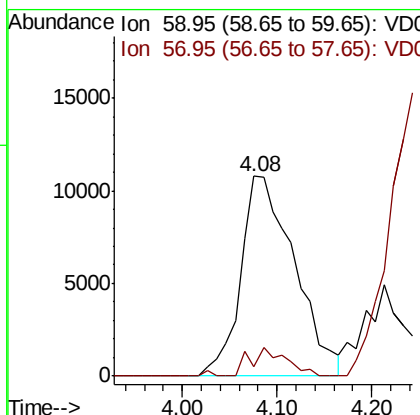
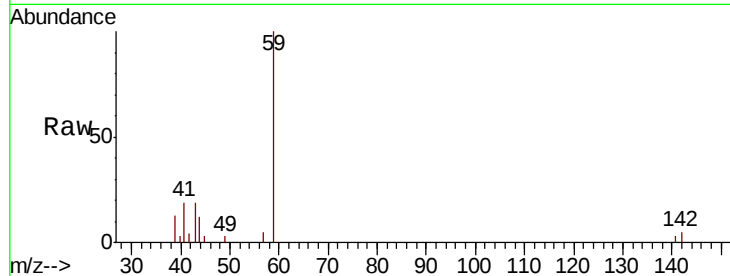


#11

Tert butyl alcohol
 Concen: 95.273 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :

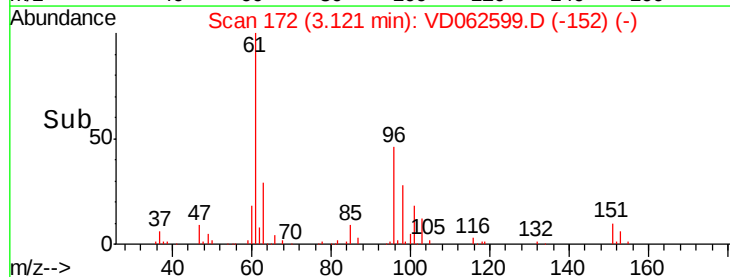
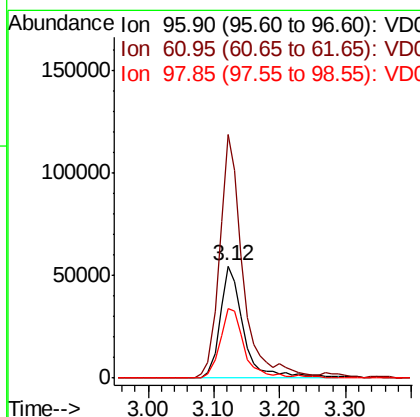
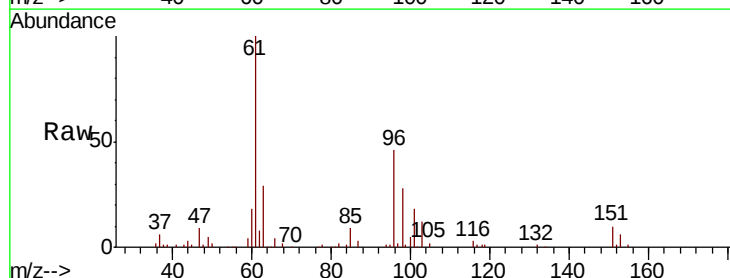
Tot Ion: 59 Resp: 42620
 Ion Ratio Lower Upper
 59 100
 57 4.9 5.4 8.0#

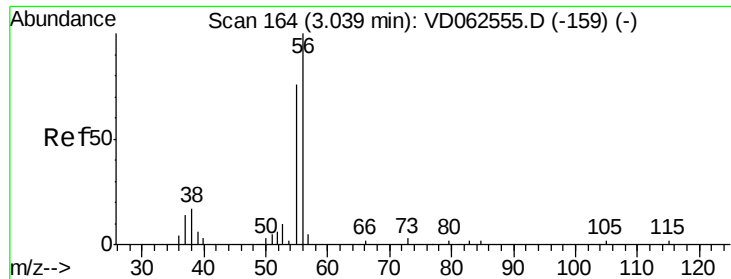


#12

1,1-Dichloroethene
 Concen: 19.323 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Tgt Ion: 96 Resp: 135189
 Ion Ratio Lower Upper
 96 100
 61 217.5 166.6 250.0
 98 62.0 54.4 81.6





#13

Acrolein

Concen: 94.661 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

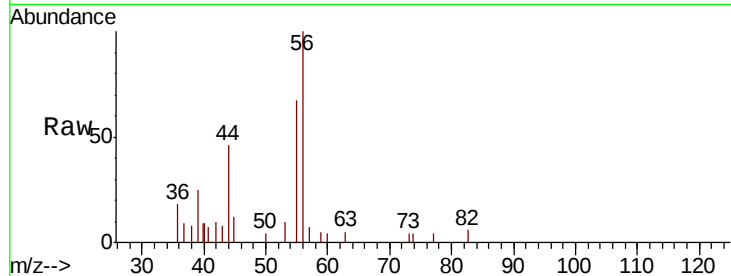
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 18451

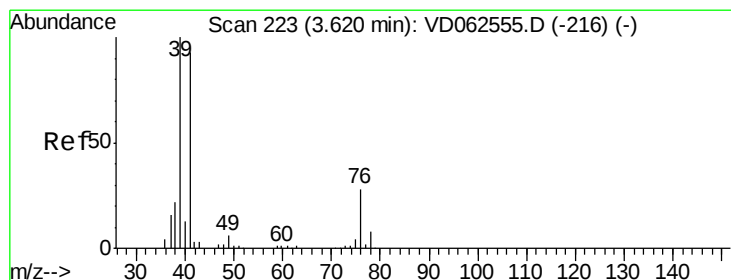
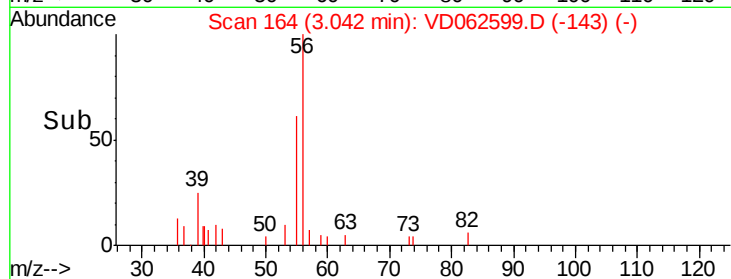
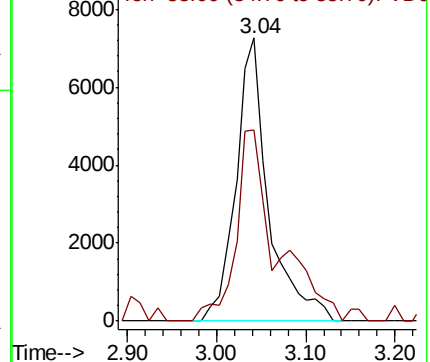
Ion Ratio Lower Upper

56 100

55 67.5 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.241 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

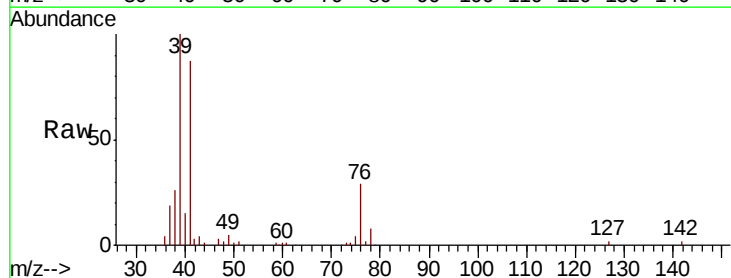
Tgt Ion: 41 Resp: 210269

Ion Ratio Lower Upper

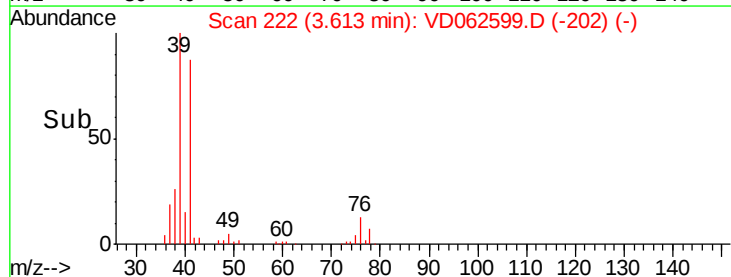
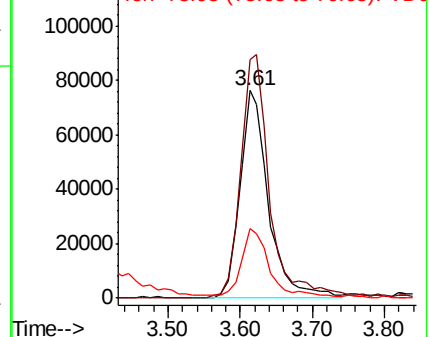
41 100

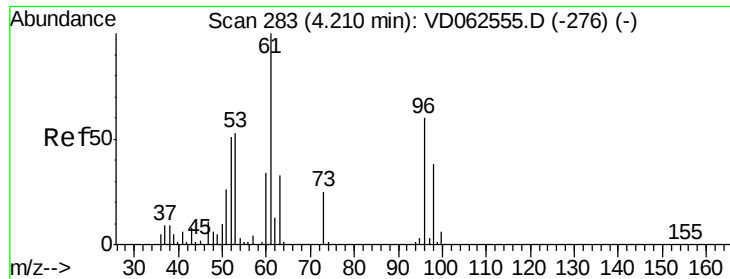
39 114.8 86.3 129.5

76 33.5 25.5 38.3



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

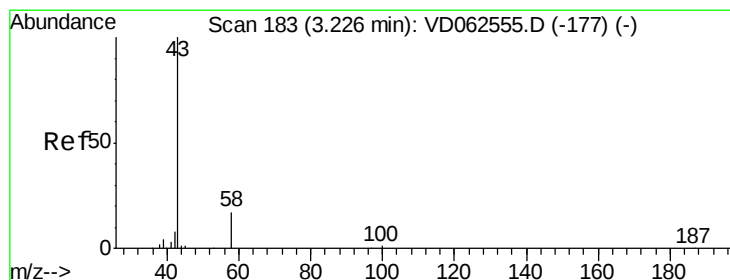
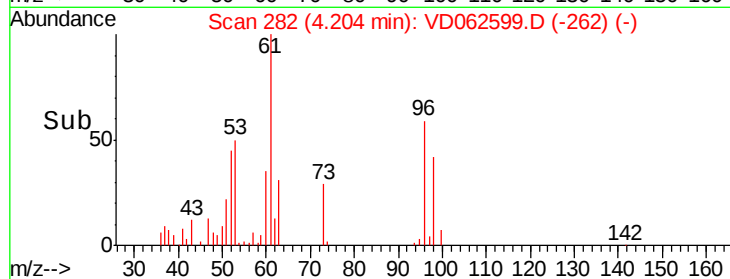
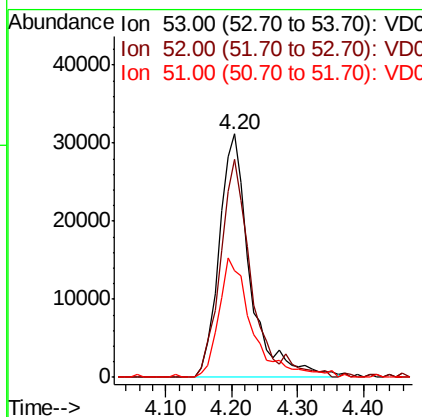
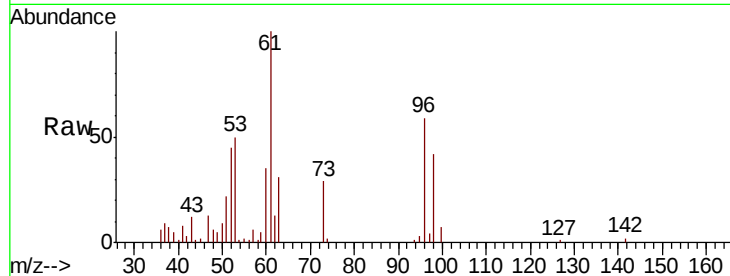




#15
 Acrylonitrile
 Concen: 95.253 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. -0.01 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

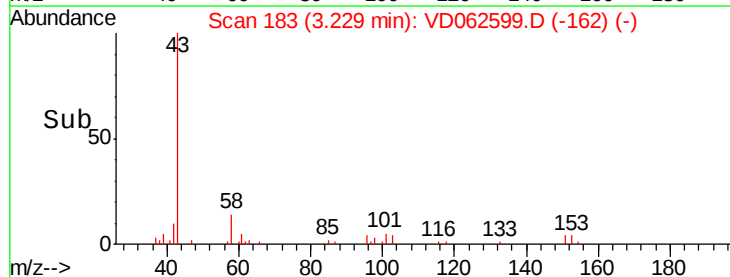
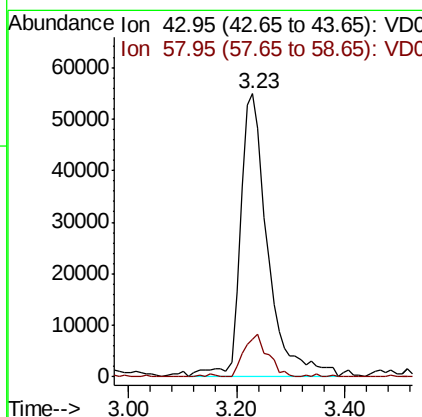
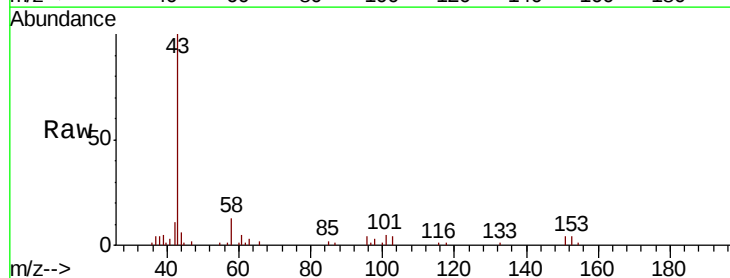
Instrument :
 MSVOA_D
 ClientSampleID :

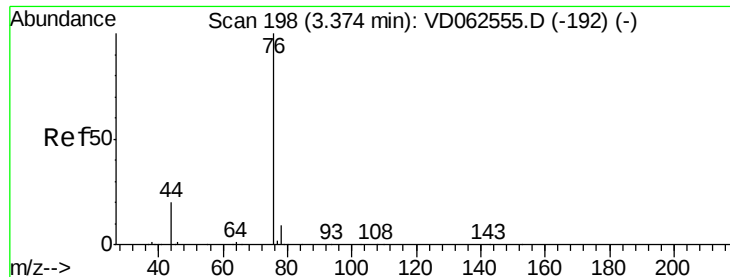
Tot Ion: 53 Resp: 101863
 Ion Ratio Lower Upper
 53 100
 52 89.6 76.2 114.2
 51 43.9 40.2 60.4



#16
 Acetone
 Concen: 93.727 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Tgt Ion: 43 Resp: 193145
 Ion Ratio Lower Upper
 43 100
 58 13.5 13.8 20.8#

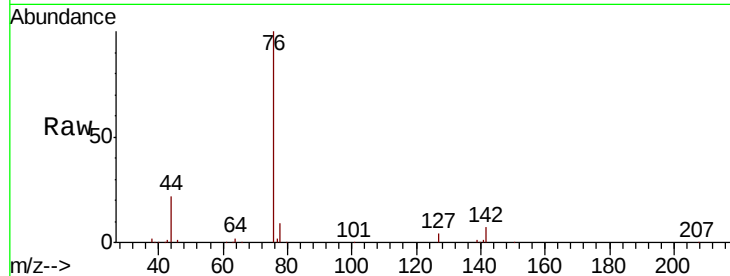




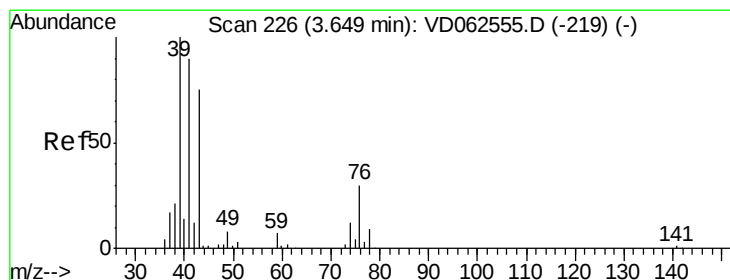
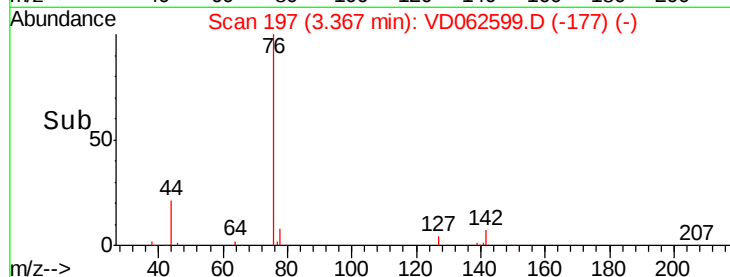
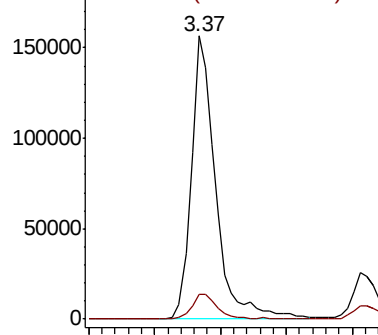
#17
Carbon Disulfide
Concen: 17.698 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 402480
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

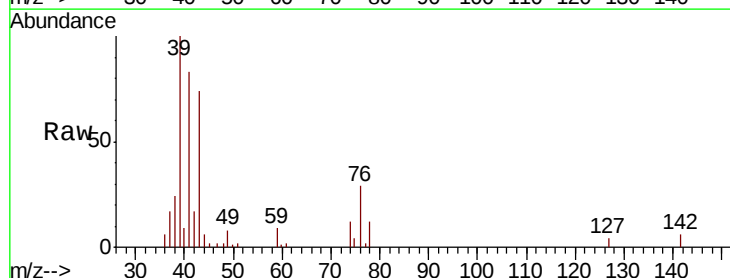


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

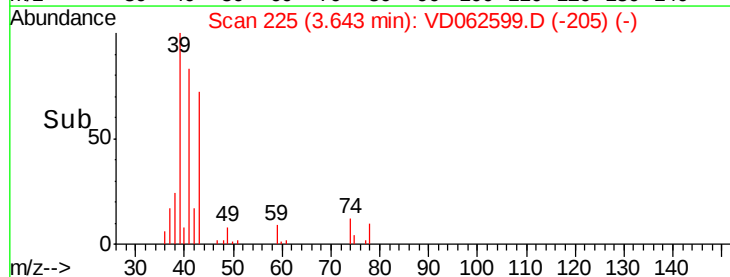
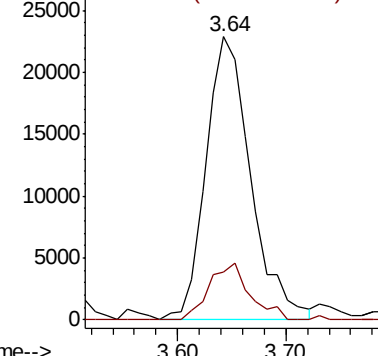


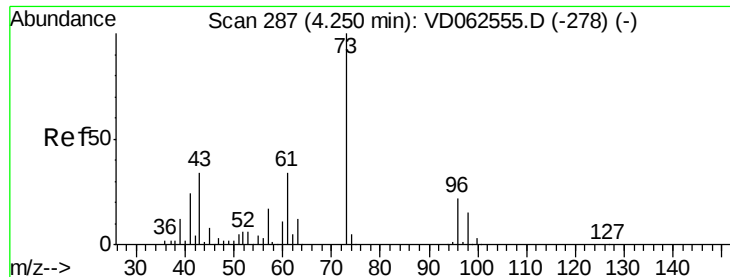
#18
Methyl Acetate
Concen: 19.579 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 43 Resp: 65852
Ion Ratio Lower Upper
43 100
74 16.9 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



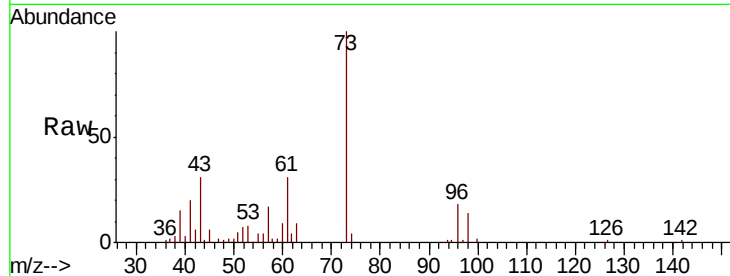


#19

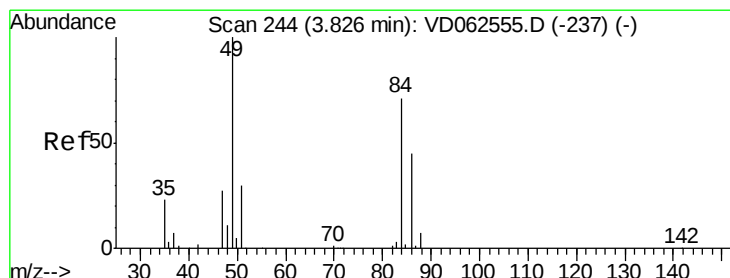
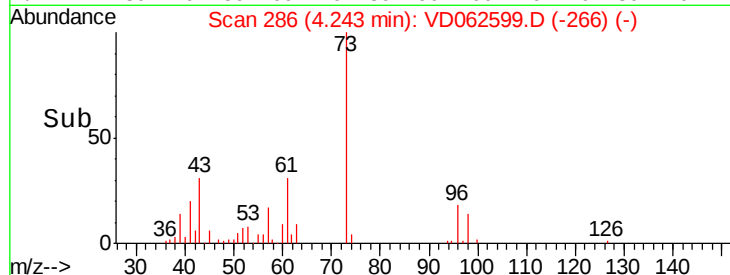
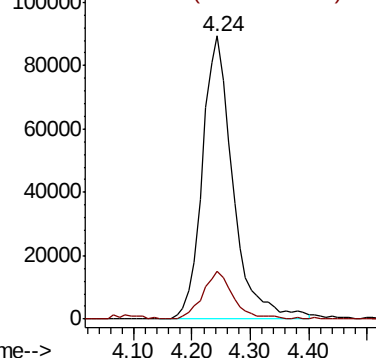
Methyl tert-butyl Ether
 Concen: 19.291 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 73 Resp: 326936
 Ion Ratio Lower Upper
 73 100
 57 17.1 13.8 20.8



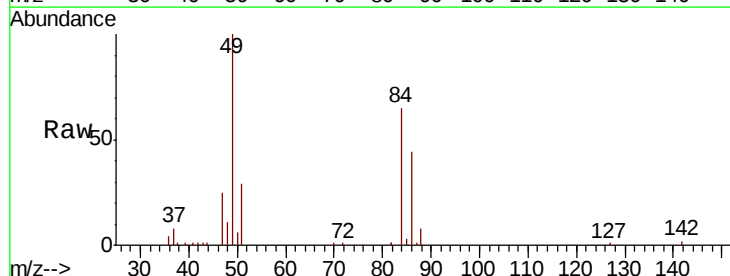
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



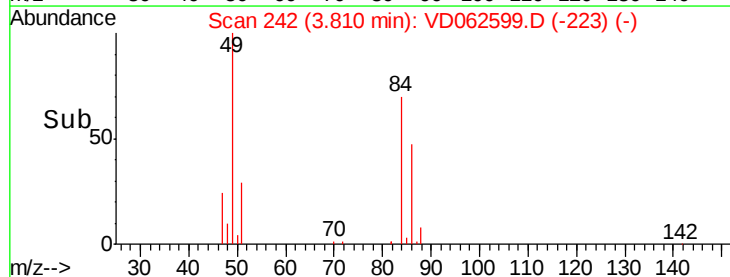
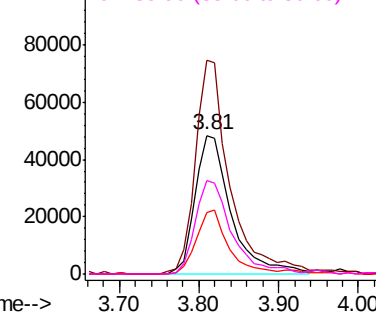
#20

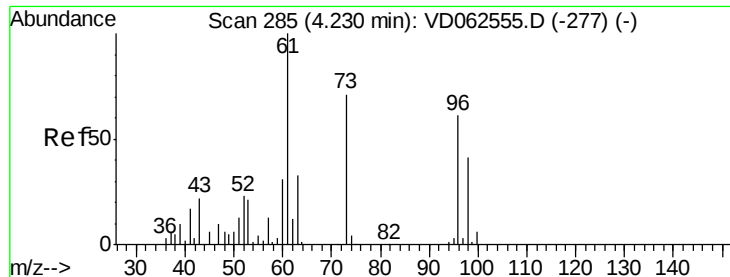
Methylene Chloride
 Concen: 20.107 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Tgt Ion: 84 Resp: 153381
 Ion Ratio Lower Upper
 84 100
 49 154.1 112.3 168.5
 51 44.3 33.6 50.4
 86 67.4 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 17.779 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

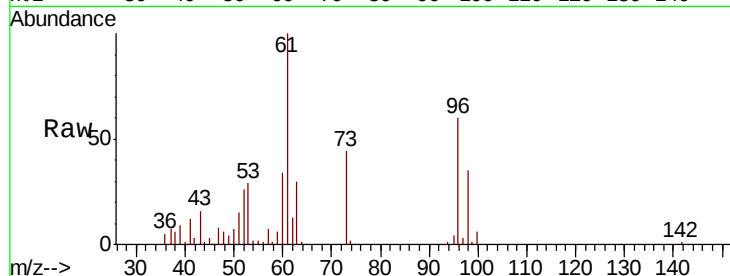
Tot Ion: 96 Resp: 141151

Ion Ratio Lower Upper

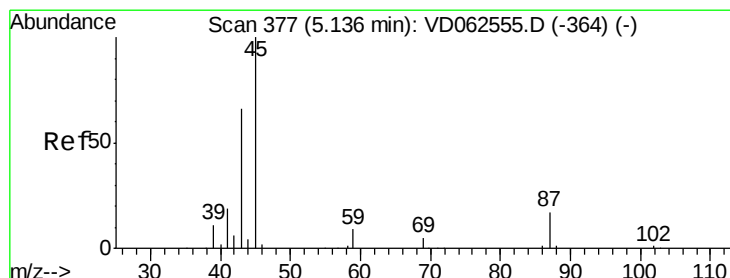
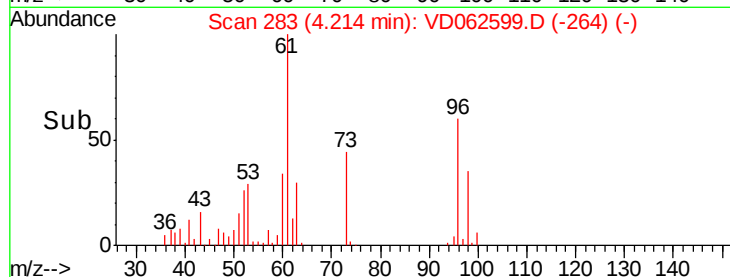
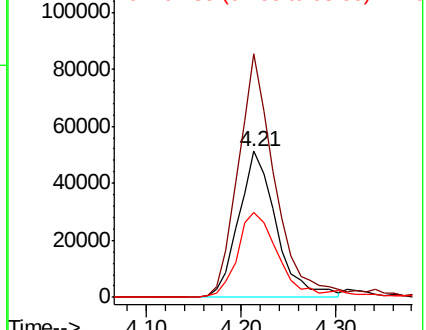
96 100

61 166.7 131.1 196.7

98 58.2 54.2 81.4



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



#22

Diisopropyl ether

Concen: 20.066 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Tgt Ion: 45 Resp: 448000

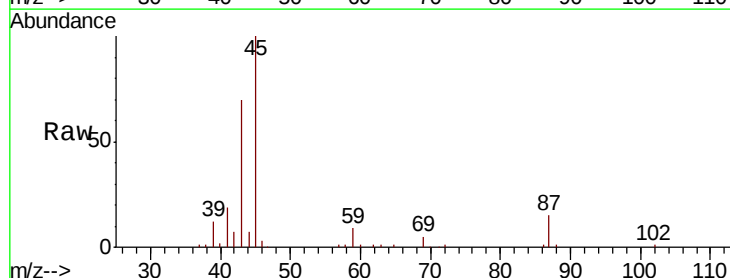
Ion Ratio Lower Upper

45 100

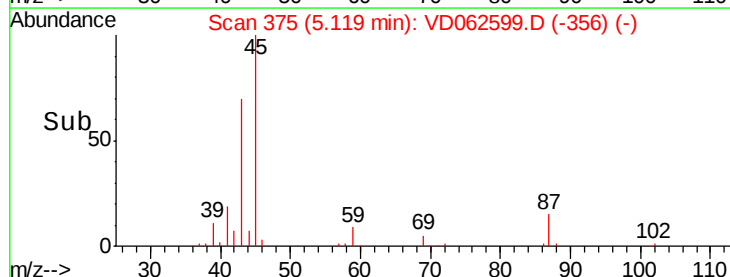
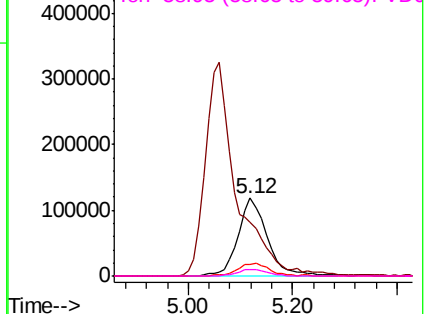
43 70.0 53.6 80.4

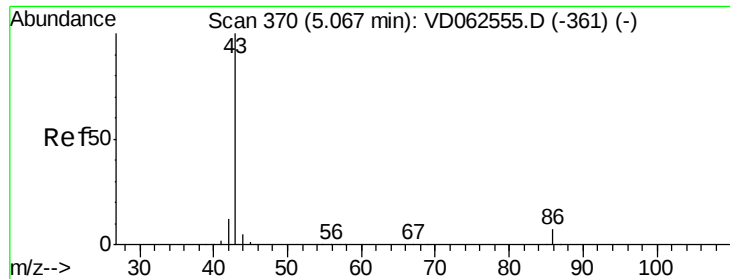
87 15.2 14.2 21.4

59 8.6 7.3 10.9



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

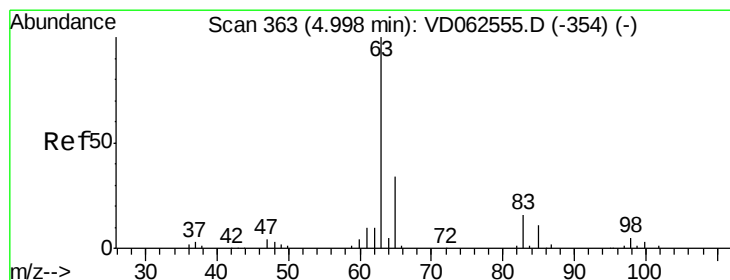
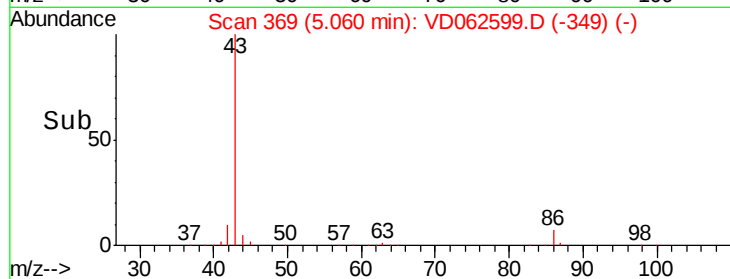
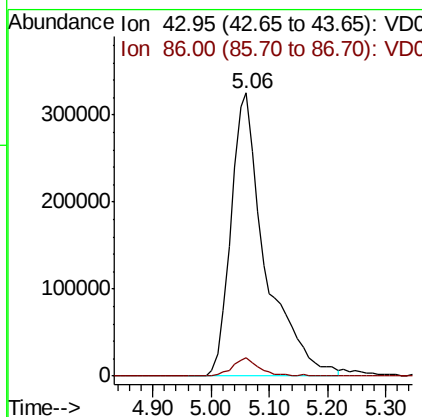
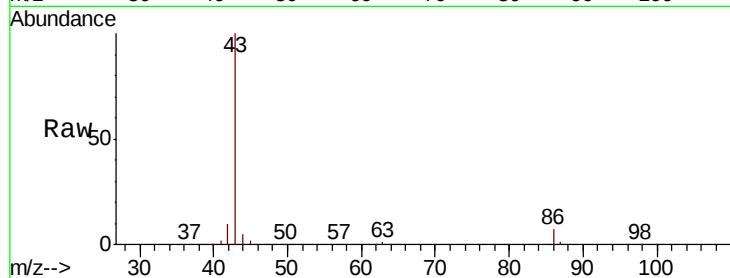




#23
 Vinyl Acetate
 Concen: 98.280 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

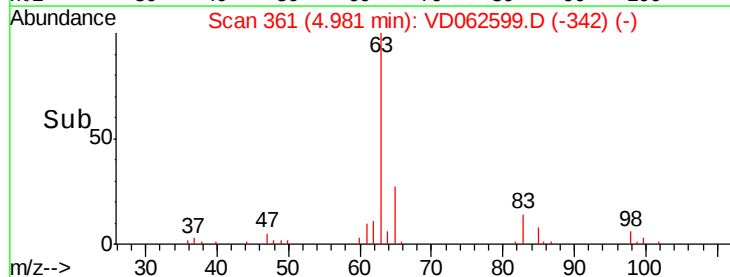
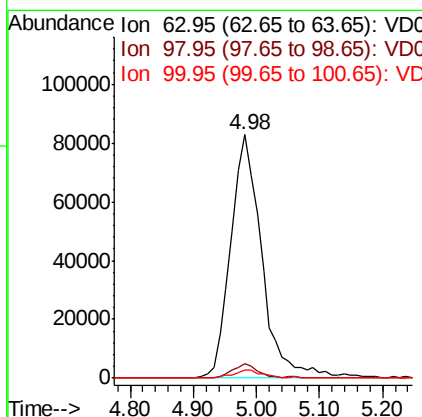
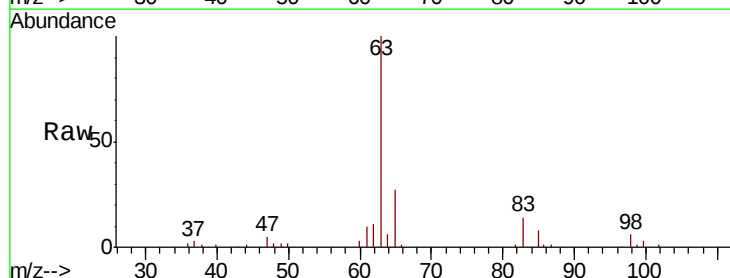
Instrument :
 MSVOA_D
 ClientSampleID :

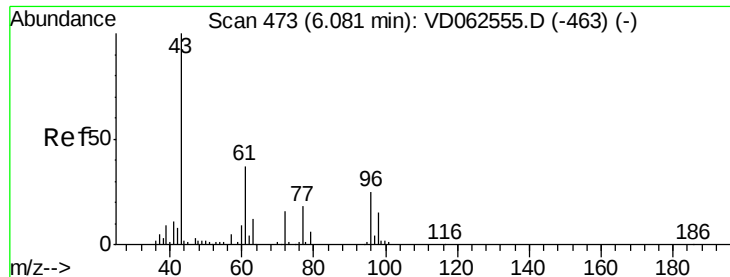
Tot Ion: 43 Resp: 1330636
 Ion Ratio Lower Upper
 43 100
 86 6.5 5.5 8.3



#24
 1,1-Dichloroethane
 Concen: 19.635 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Tgt Ion: 63 Resp: 282892
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.5 7.5
 100 3.3 1.6 4.7





#25

2-Butanone

Concen: 90.302 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

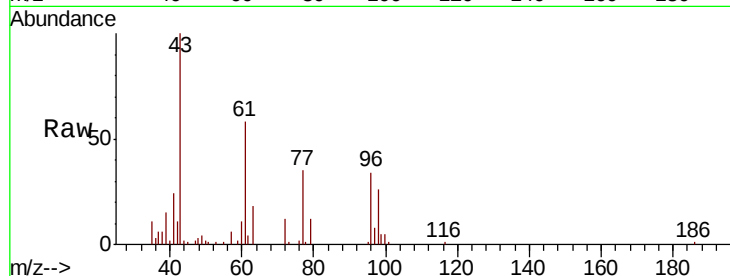
ClientSampleId :

Tot Ion: 43 Resp: 175256

Ion Ratio Lower Upper

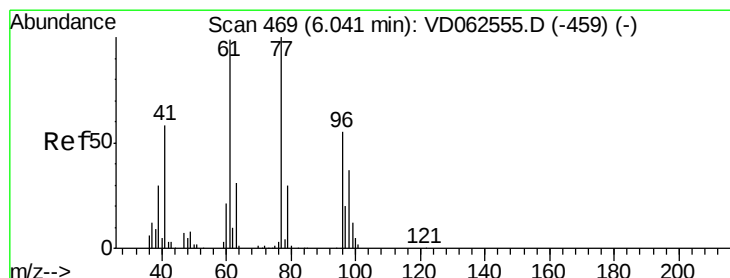
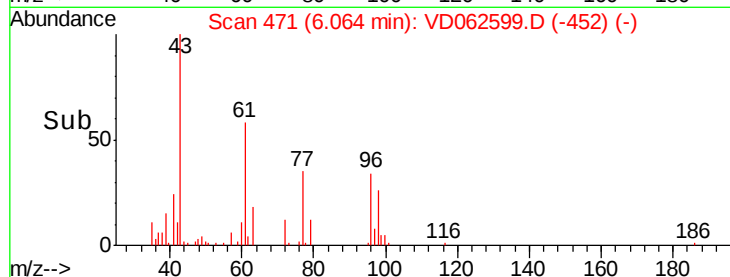
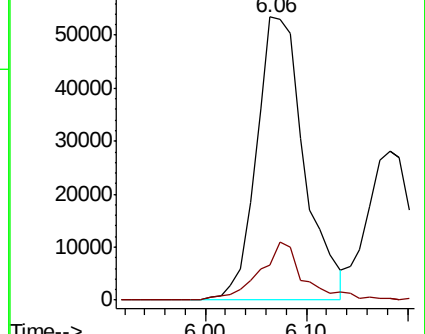
43 100

72 12.5 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.995 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD062599.D

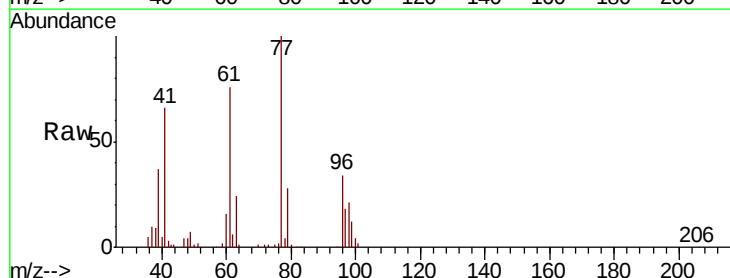
Acq: 4 Jun 2019 15:44

Tgt Ion: 77 Resp: 319594

Ion Ratio Lower Upper

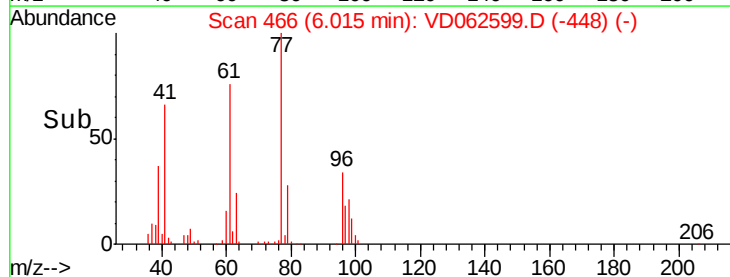
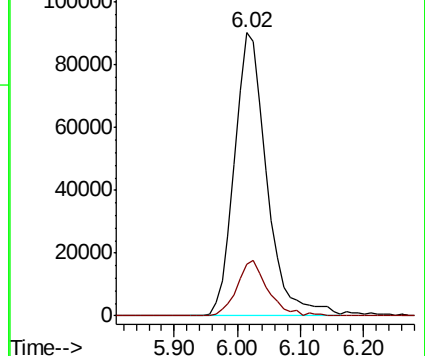
77 100

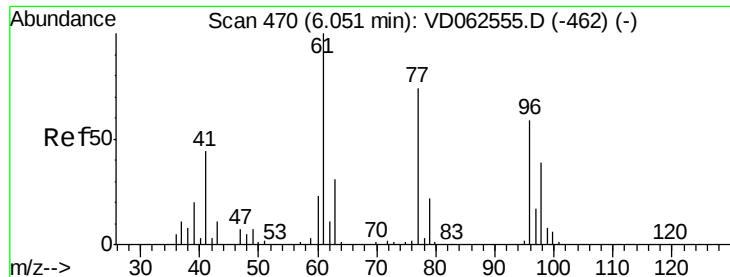
97 18.2 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



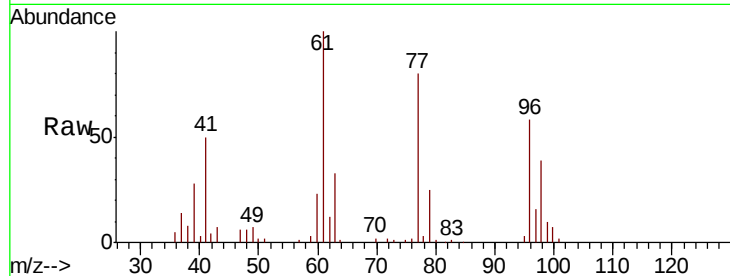


#27

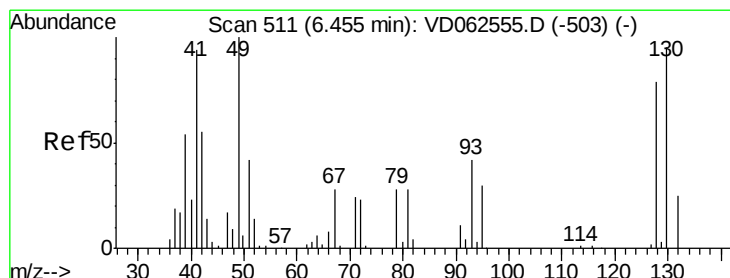
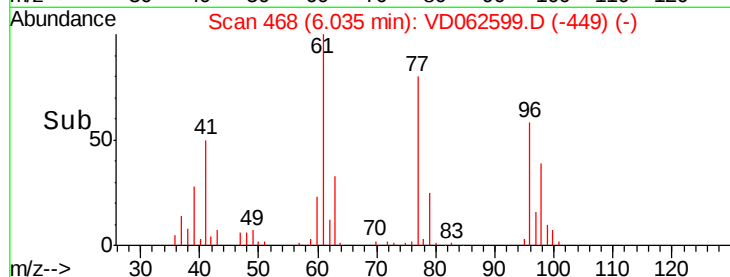
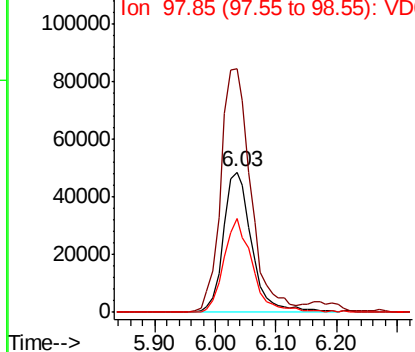
cis-1,2-Dichloroethene
Concen: 19.444 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 158687
Ion Ratio Lower Upper
96 100
61 173.6 0.0 342.4
98 67.0 0.0 134.6



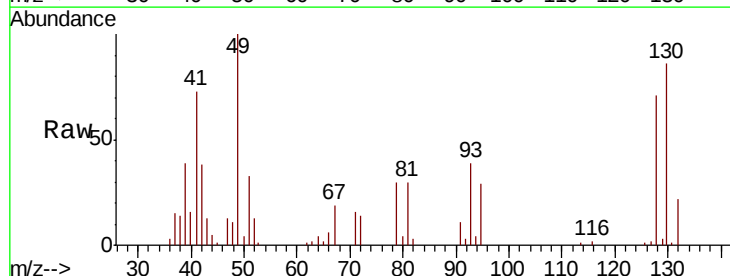
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



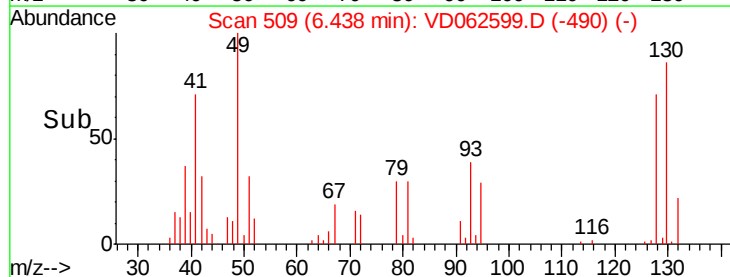
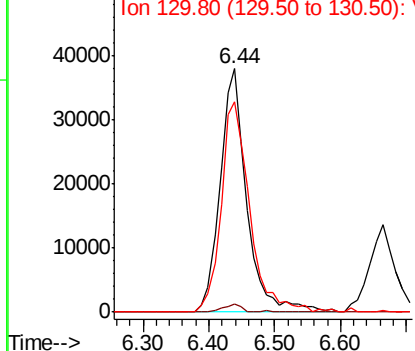
#28

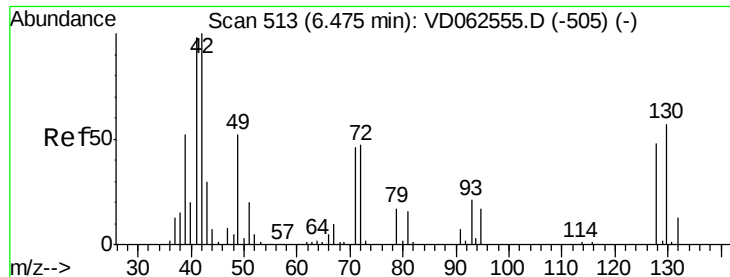
Bromochloromethane
Concen: 21.459 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 49 Resp: 106835
Ion Ratio Lower Upper
49 100
129 3.2 0.0 5.6
130 86.2 75.8 113.8



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

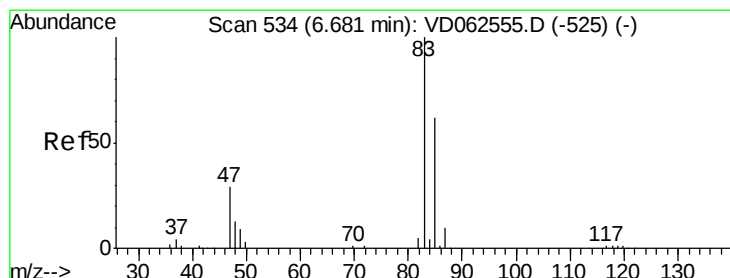
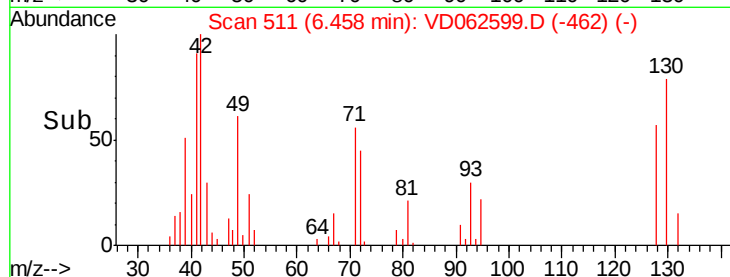
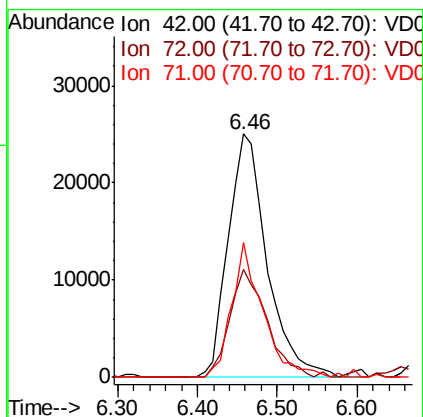
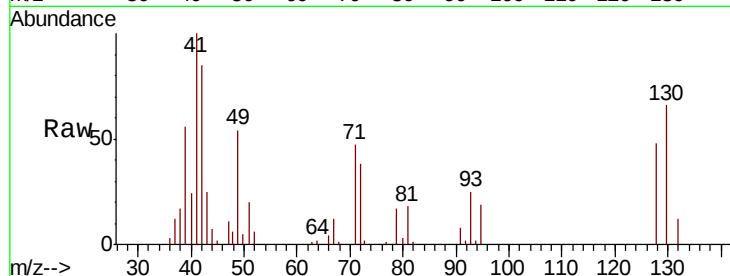




#29
Tetrahydrofuran
Concen: 97.906 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

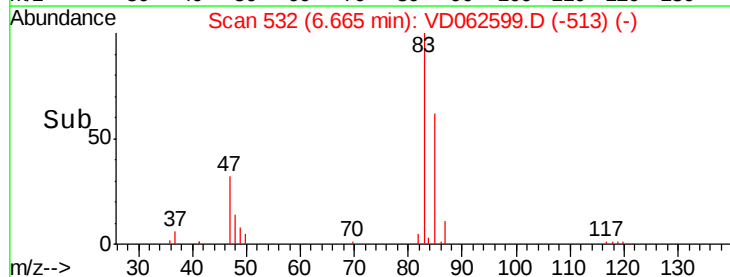
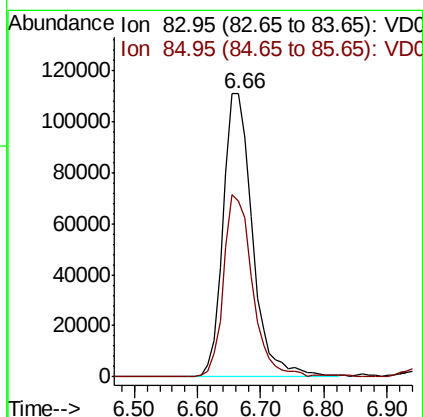
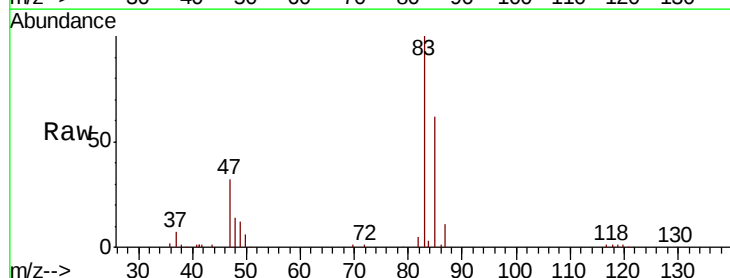
Instrument :
MSVOA_D
ClientSampled :

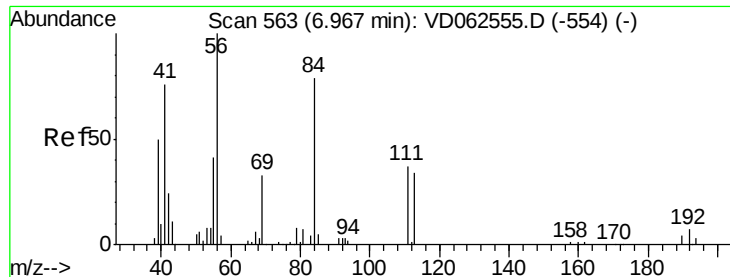
Tot Ion: 42 Resp: 85116
Ion Ratio Lower Upper
42 100
72 42.3 34.5 51.7
71 44.4 33.0 49.6



#30
Chloroform
Concen: 20.706 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 83 Resp: 359469
Ion Ratio Lower Upper
83 100
85 62.2 49.4 74.0

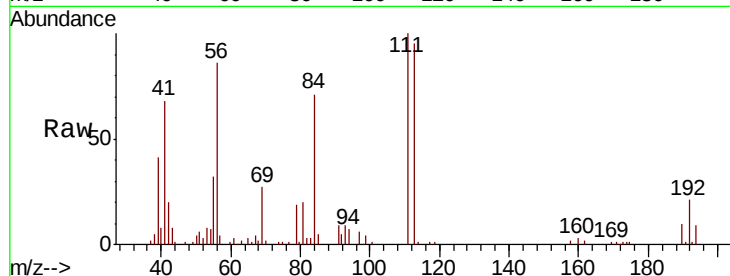




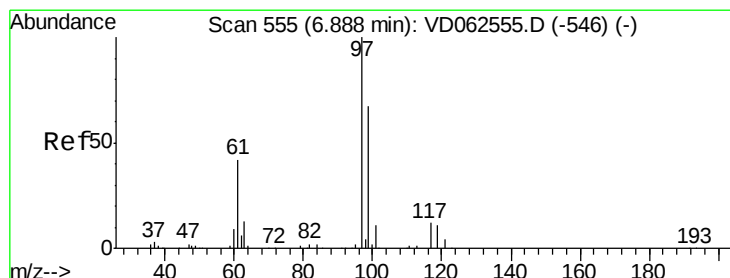
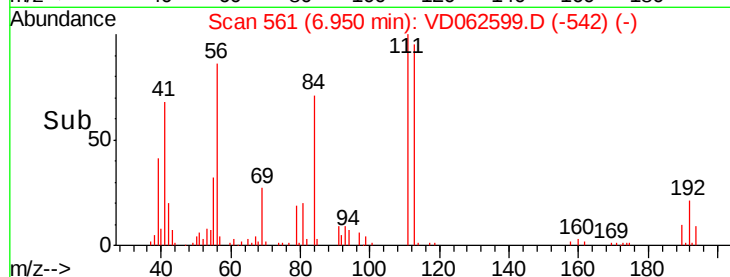
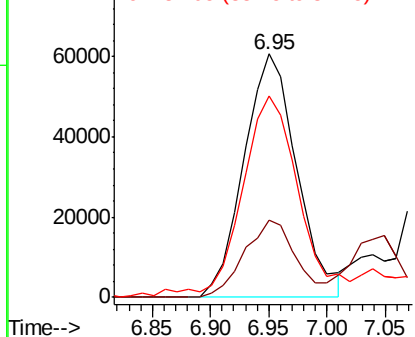
#31
Cyclohexane
Concen: 19.578 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 190712
Ion Ratio Lower Upper
56 100
69 31.6 26.2 39.2
84 82.7 65.2 97.8

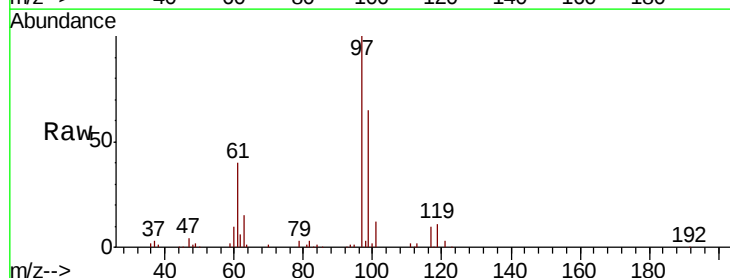


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

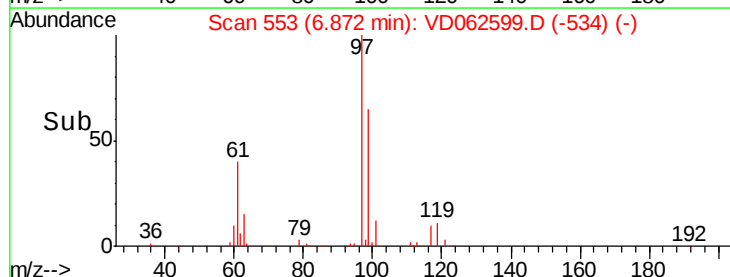
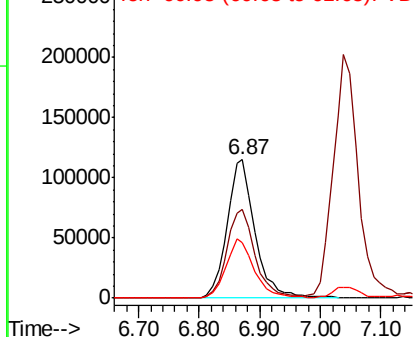


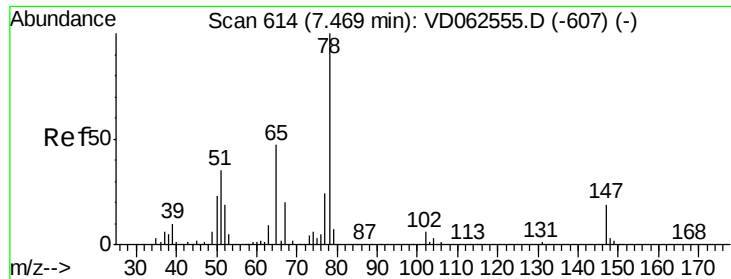
#32
1,1,1-Trichloroethane
Concen: 20.298 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 97 Resp: 366744
Ion Ratio Lower Upper
97 100
99 64.7 53.6 80.4
61 40.4 33.9 50.9



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

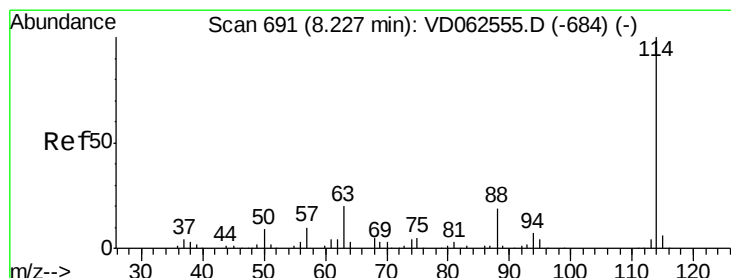
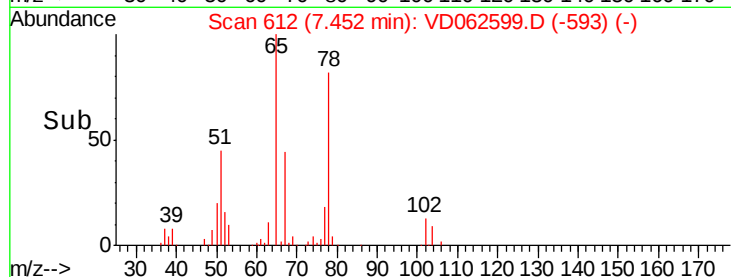
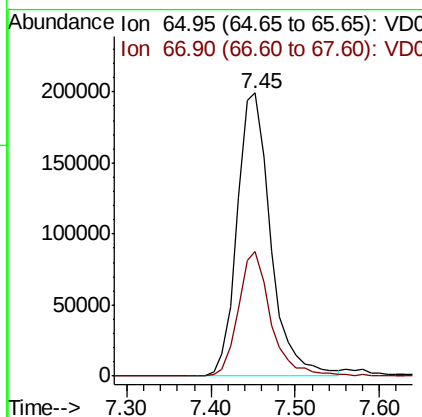
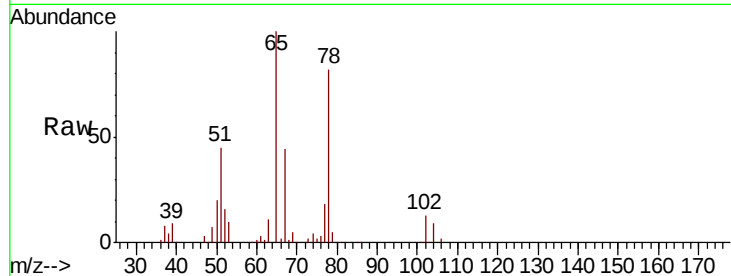




#33
 1,2-Dichloroethane-d4
 Concen: 52.842 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

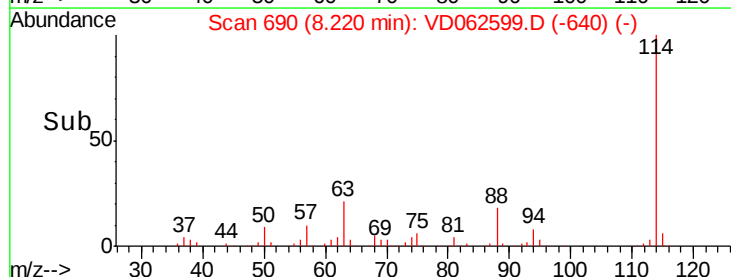
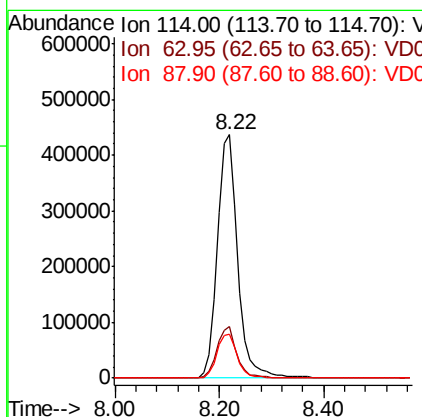
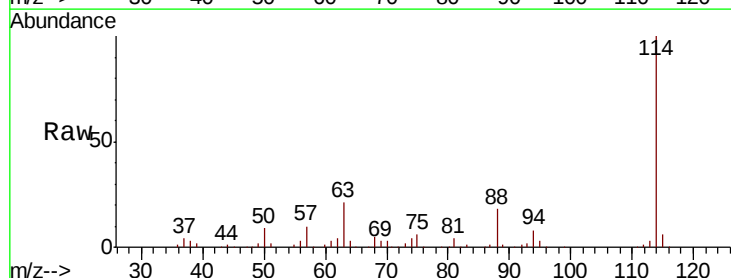
Instrument :
 MSVOA_D
 ClientSampled :

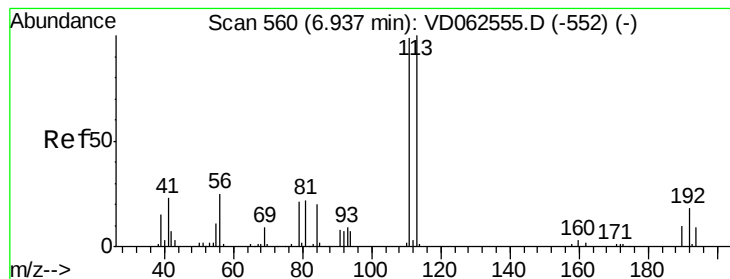
Tot Ion: 65 Resp: 554214
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 83.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Tgt Ion: 114 Resp: 1179405
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.6
 88 17.9 0.0 37.6





#35

Dibromofluoromethane

Concen: 55.695 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

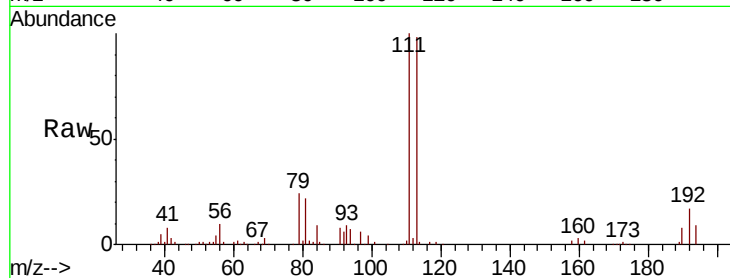
Tot Ion:113 Resp: 598582

Ion Ratio Lower Upper

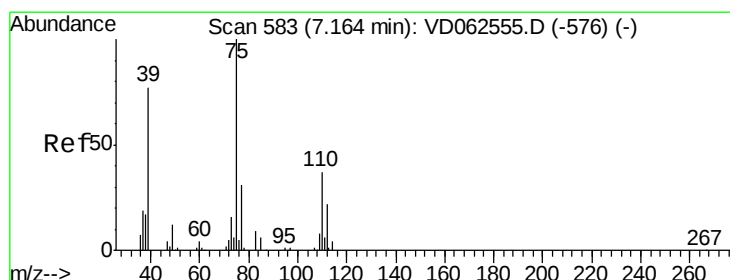
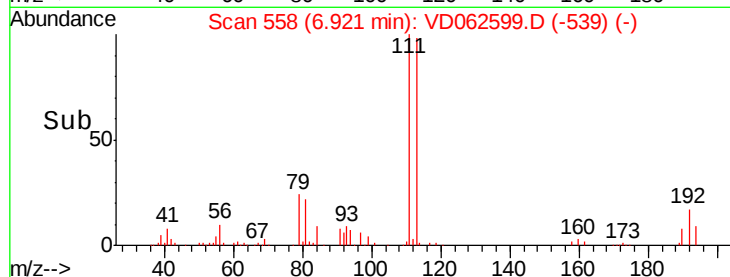
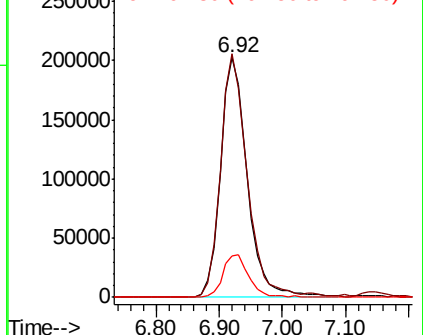
113 100

111 101.7 78.8 118.2

192 17.2 14.6 22.0



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: 19.862 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

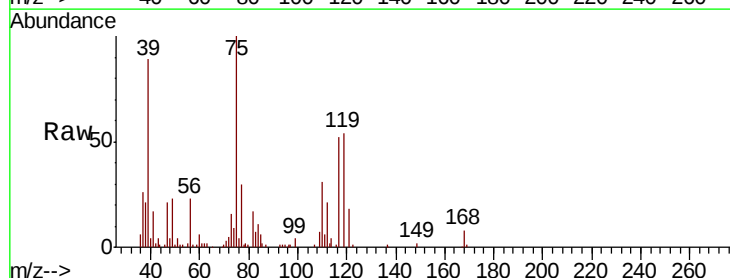
Tgt Ion: 75 Resp: 233193

Ion Ratio Lower Upper

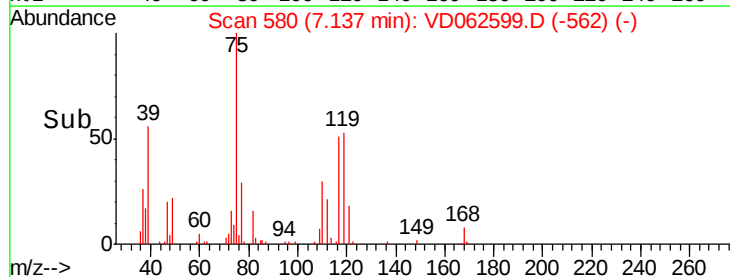
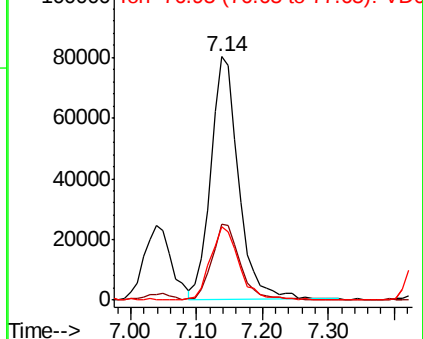
75 100

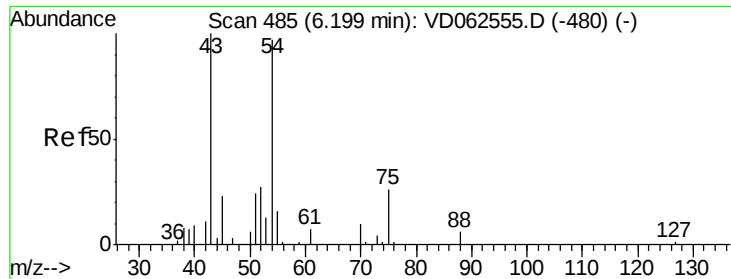
110 31.0 18.3 54.8

77 30.1 24.4 36.6



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

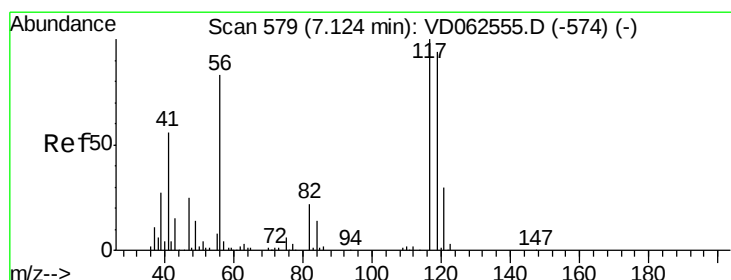
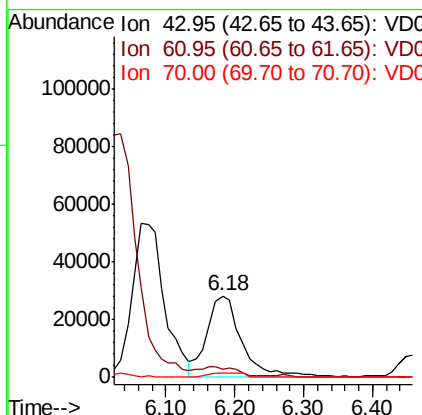
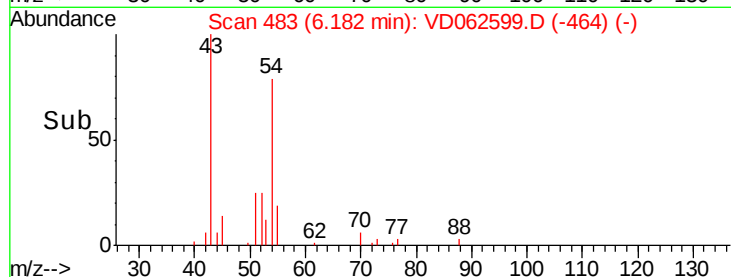
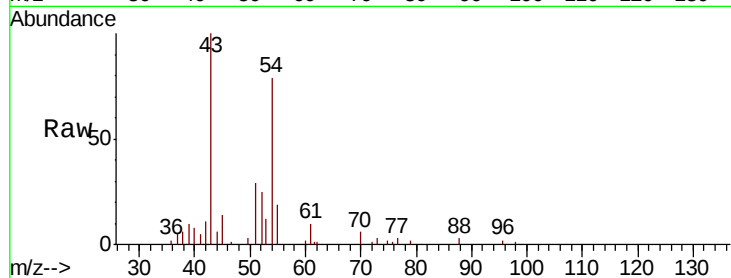




#37
Ethyl Acetate
Concen: 20.283 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

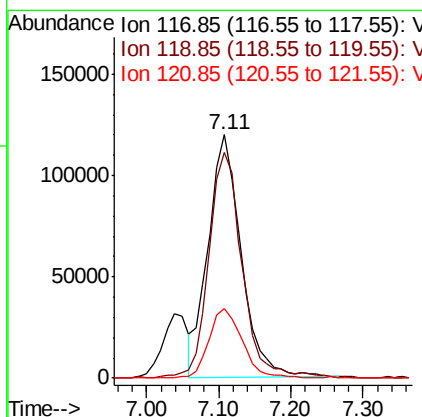
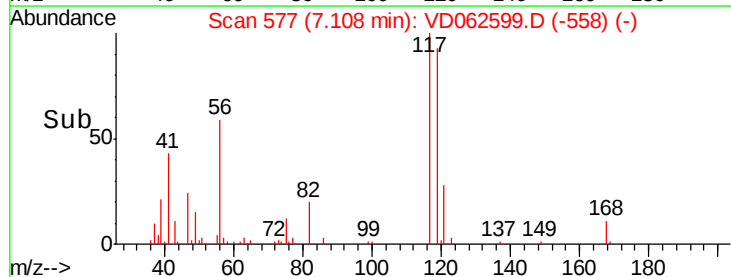
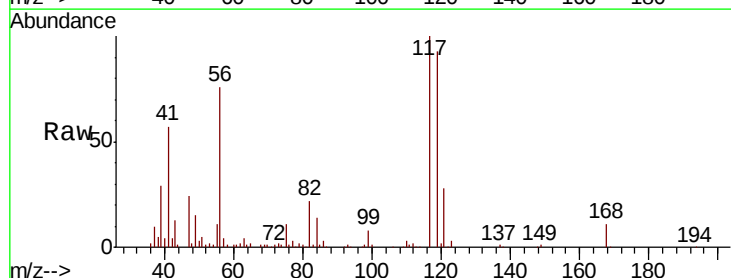
Instrument :
MSVOA_D
ClientSampleID :

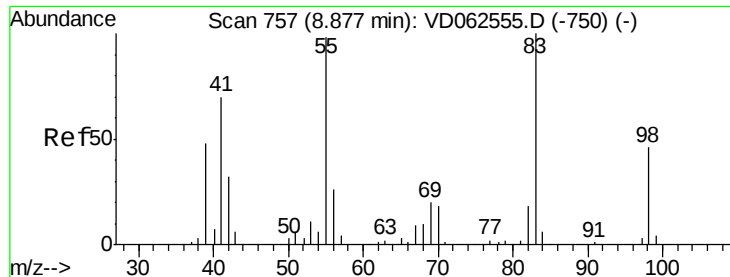
Tot Ion: 43 Resp: 100395
Ion Ratio Lower Upper
43 100
61 10.4 9.8 14.8
70 6.0 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 21.715 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 117 Resp: 379572
Ion Ratio Lower Upper
117 100
119 92.9 71.4 107.2
121 28.4 22.5 33.7

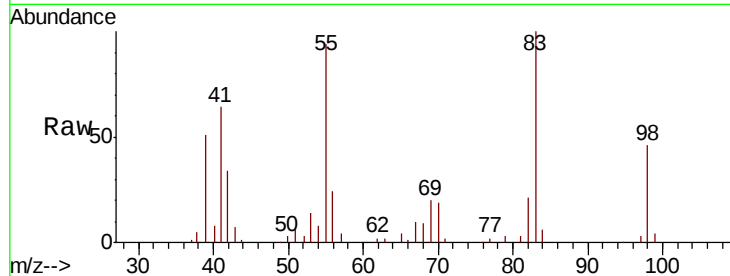




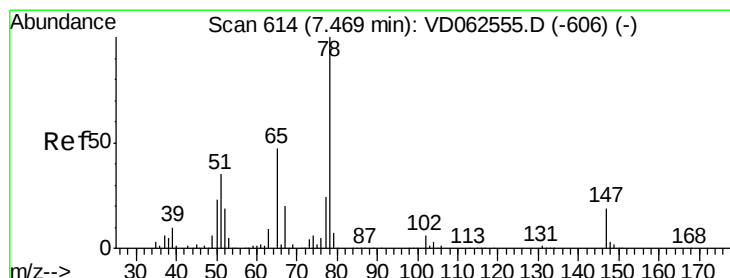
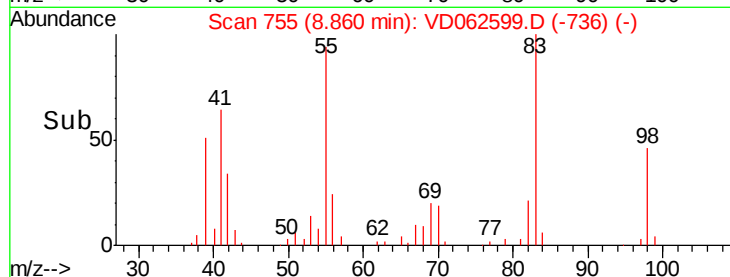
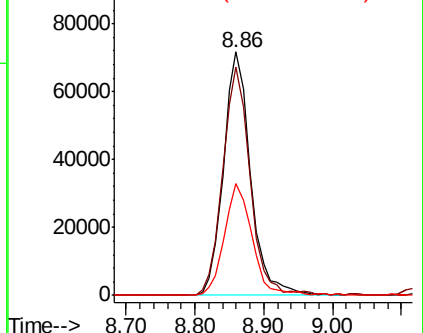
#39
Methvlcvclohexane
Concen: 19.664 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 195464
Ion Ratio Lower Upper
83 100
55 93.5 78.7 118.1
98 45.7 37.2 55.8

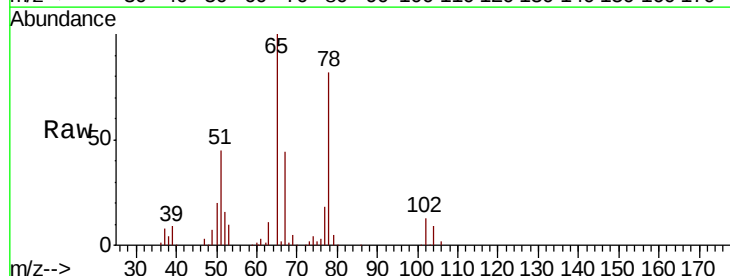


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

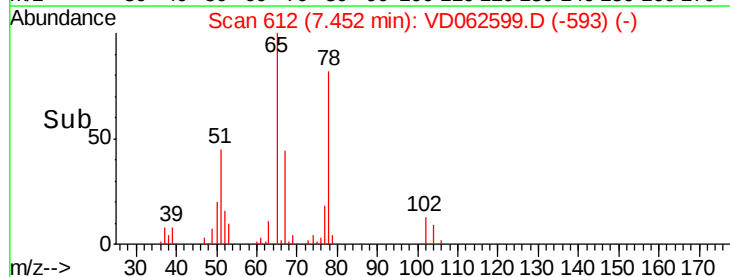
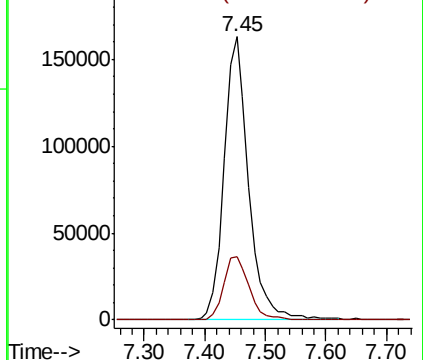


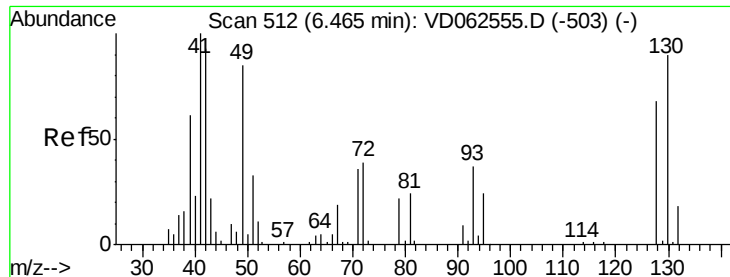
#40
Benzene
Concen: 19.879 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 78 Resp: 458063
Ion Ratio Lower Upper
78 100
77 22.4 19.1 28.7



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





#41

Methacrylonitrile

Concen: 20.417 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 118925

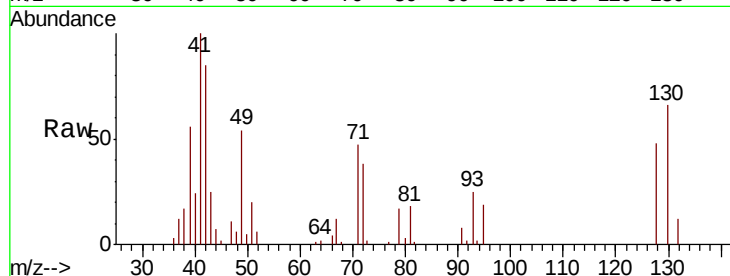
Ion Ratio Lower Upper

41 100

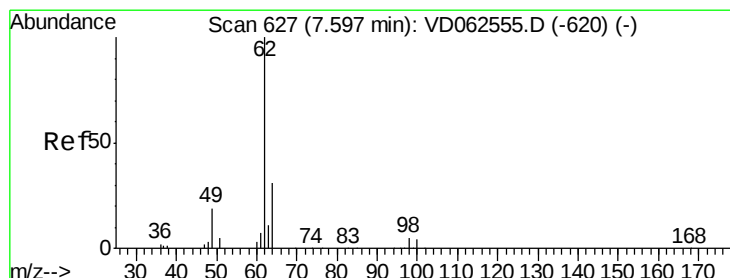
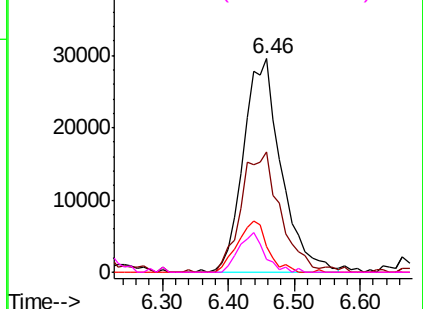
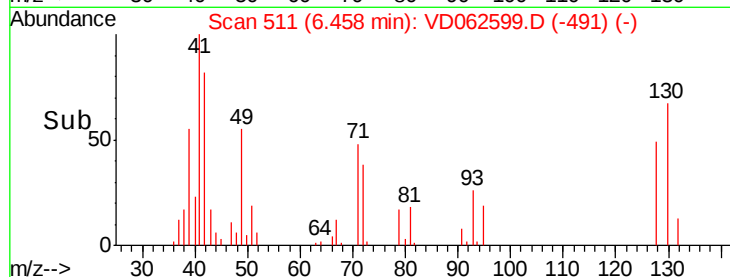
39 56.1 49.0 73.6

67 12.2 15.5 23.3#

52 5.7 8.9 13.3#



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: 20.582 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD062599.D

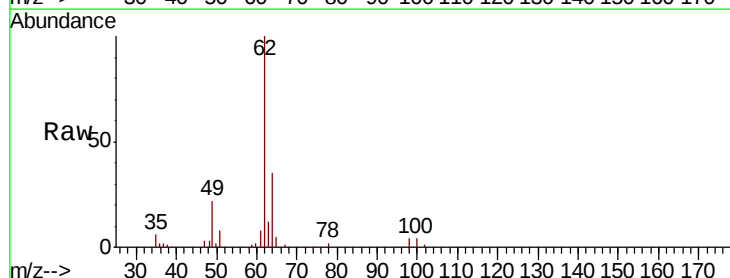
Acq: 4 Jun 2019 15:44

Tgt Ion: 62 Resp: 264175

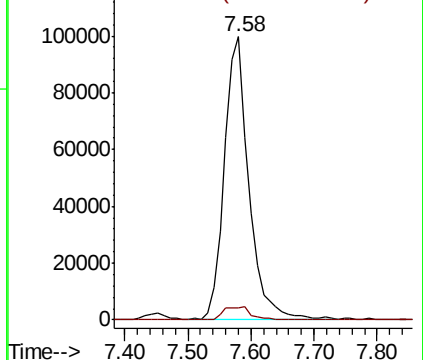
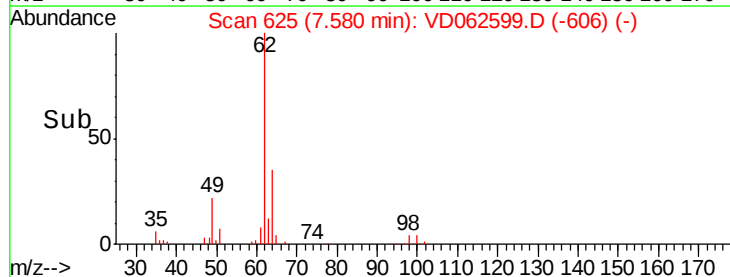
Ion Ratio Lower Upper

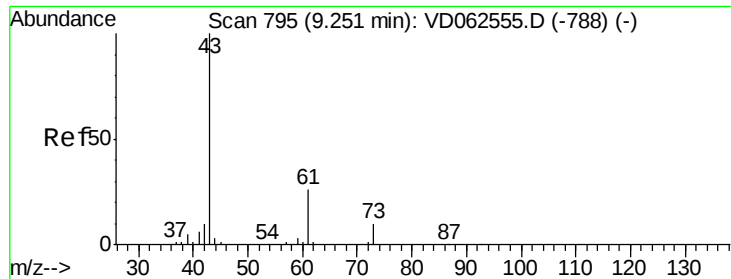
62 100

98 4.2 0.0 11.0



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.560 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

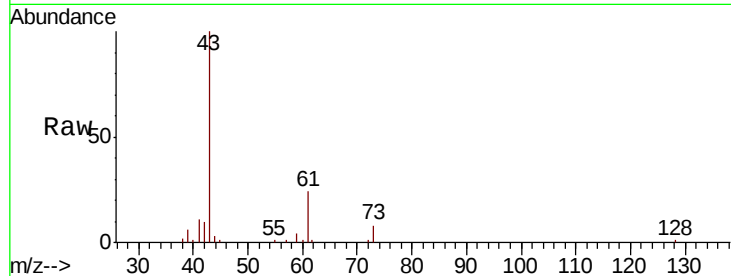
Tot Ion: 43 Resp: 126656

Ion Ratio Lower Upper

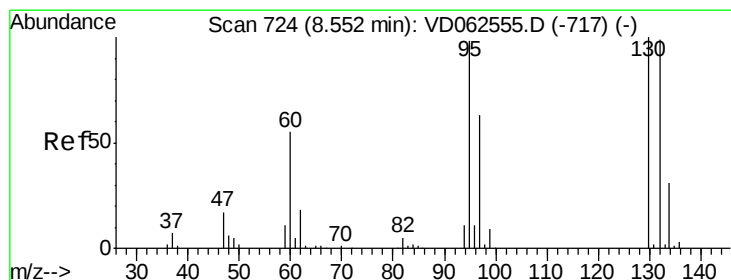
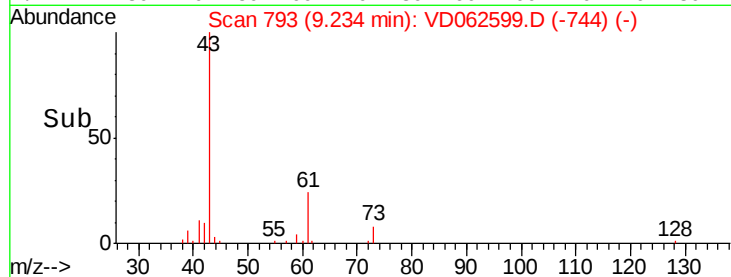
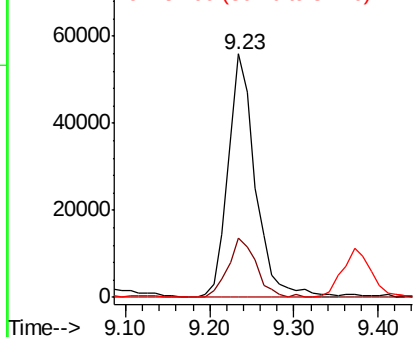
43 100

61 24.2 20.5 30.7

87 0.0 0.2 0.2#



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: 21.410 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD062599.D

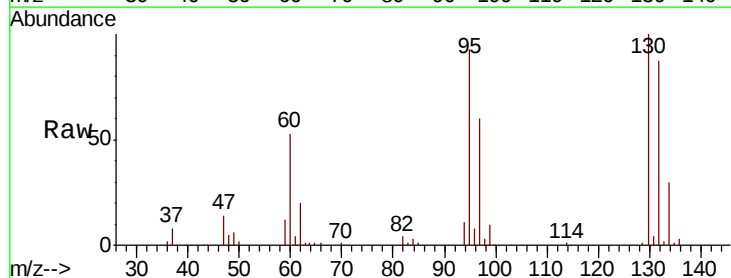
Acq: 4 Jun 2019 15:44

Tgt Ion:130 Resp: 197090

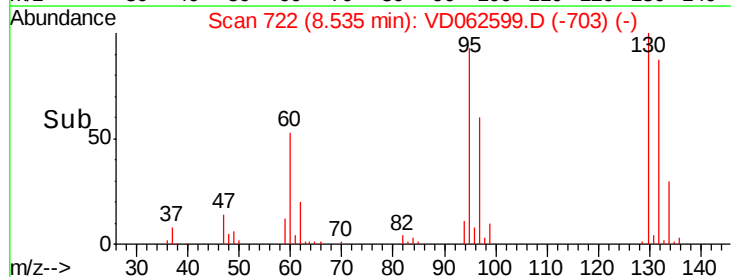
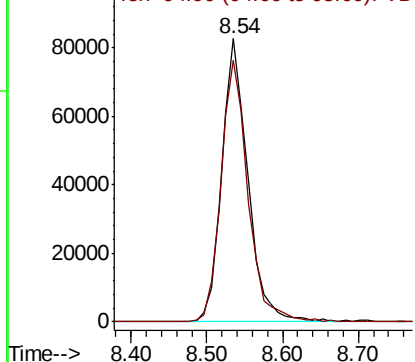
Ion Ratio Lower Upper

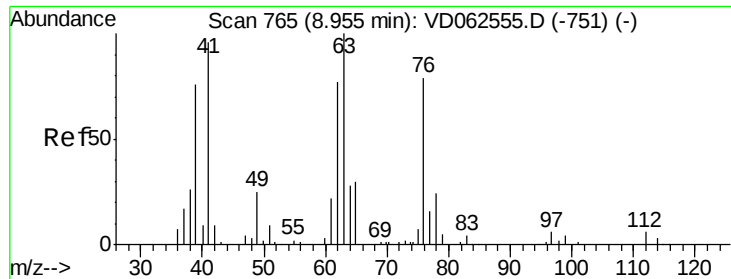
130 100

95 92.6 0.0 196.6



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





#45

1,2-Dichloropropane

Concen: 20.049 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

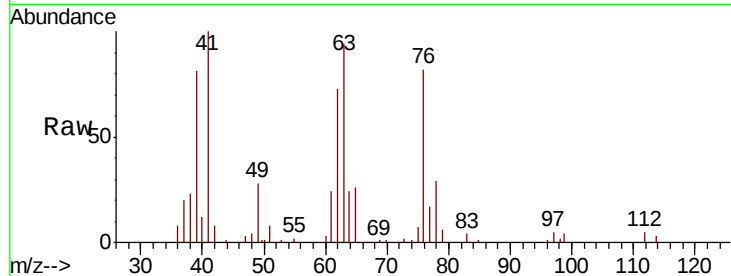
ClientSampled :

Tot Ion: 63 Resp: 113262

Ion Ratio Lower Upper

63 100

65 27.7 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

50000

40000

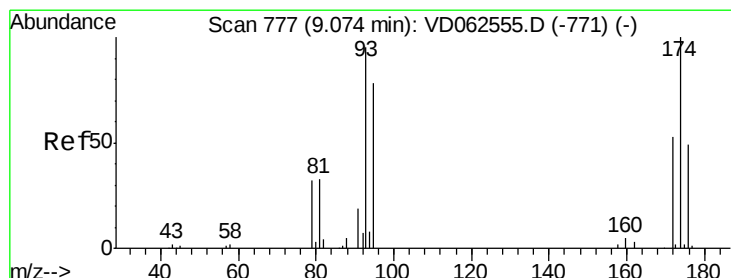
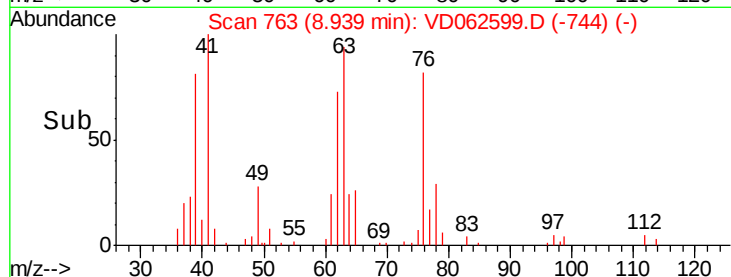
30000

20000

10000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 20.764 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

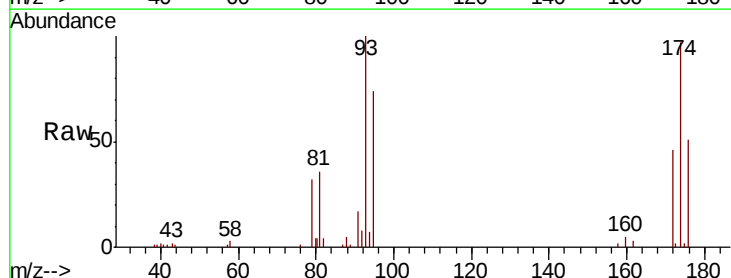
Tgt Ion: 93 Resp: 98533

Ion Ratio Lower Upper

93 100

95 73.9 66.1 99.1

174 97.5 84.2 126.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.06

60000

50000

40000

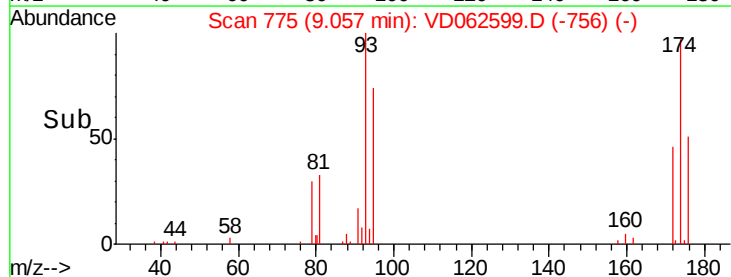
30000

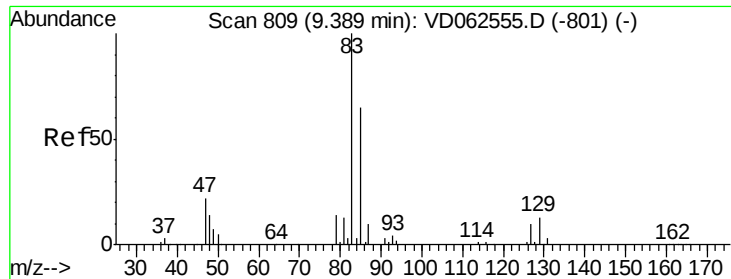
20000

10000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 19.727 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampled :

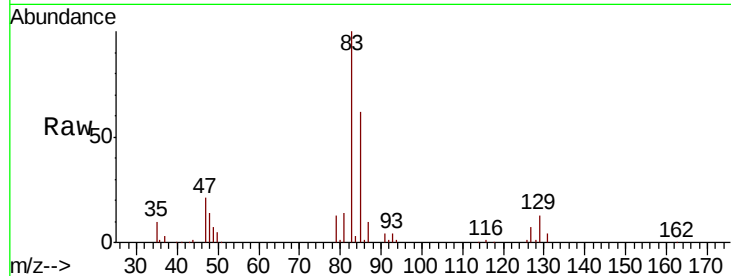
Tot Ion: 83 Resp: 257929

Ion Ratio Lower Upper

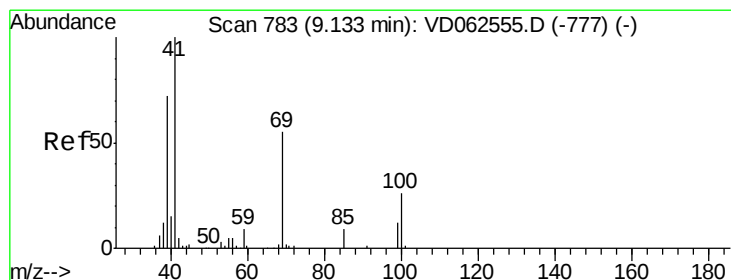
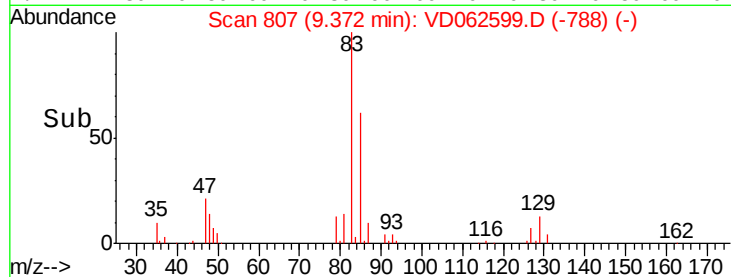
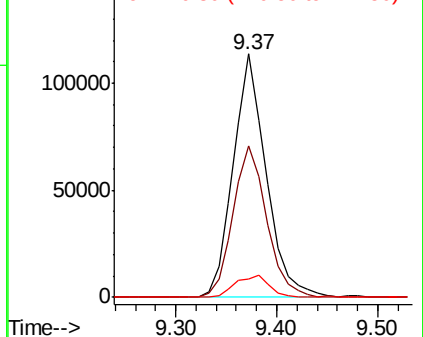
83 100

85 62.2 51.8 77.8

127 7.5 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: 22.884 ug/l

RT: 9.12 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

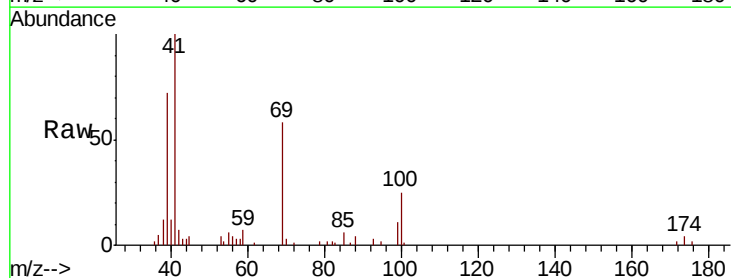
Tgt Ion: 41 Resp: 93894

Ion Ratio Lower Upper

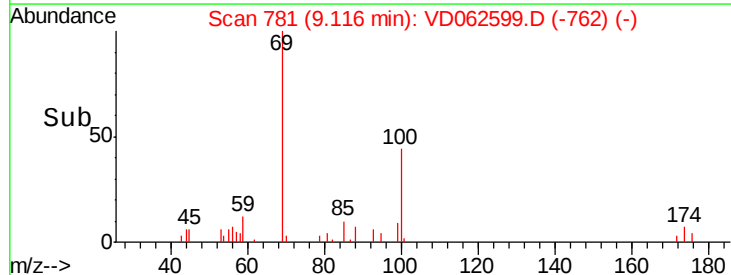
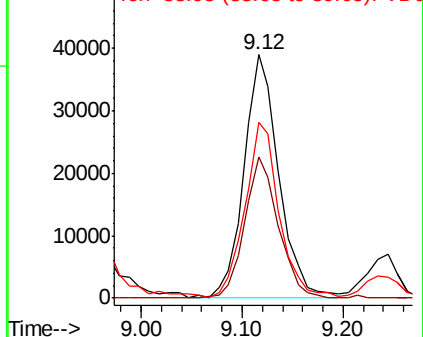
41 100

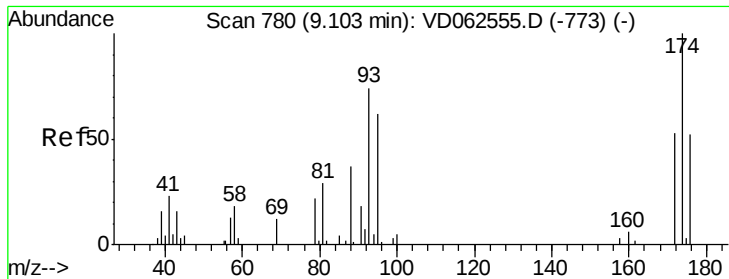
69 58.0 43.6 65.4

39 72.5 58.1 87.1



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

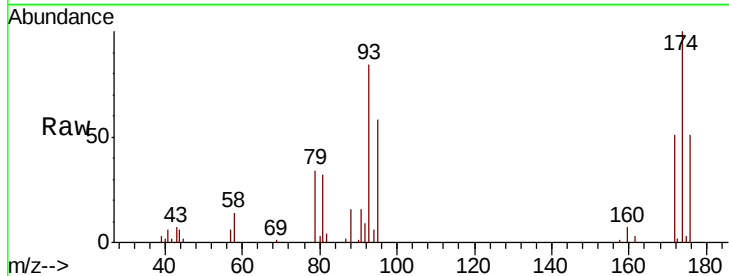




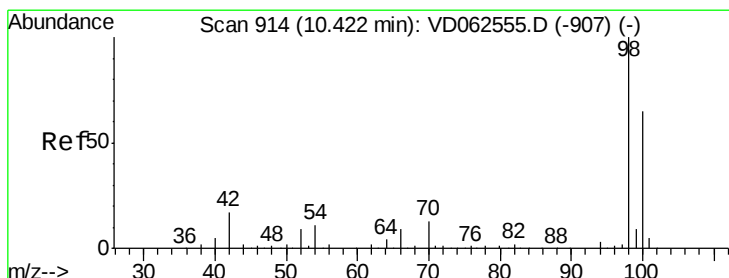
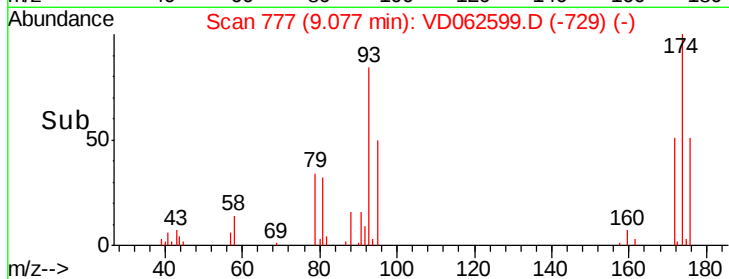
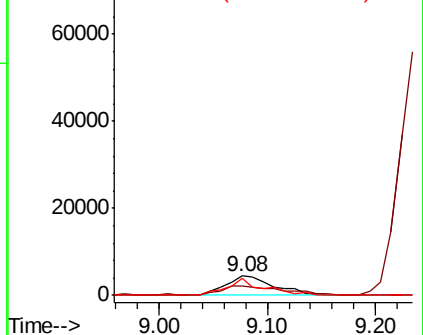
#49
1,4-Dioxane
Concen: 413.806 ug/l
RT: 9.08 min Scan# 777
Delta R.T. -0.03 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 13791
Ion Ratio Lower Upper
88 100
43 45.5 37.1 55.7
58 90.1 39.3 58.9#

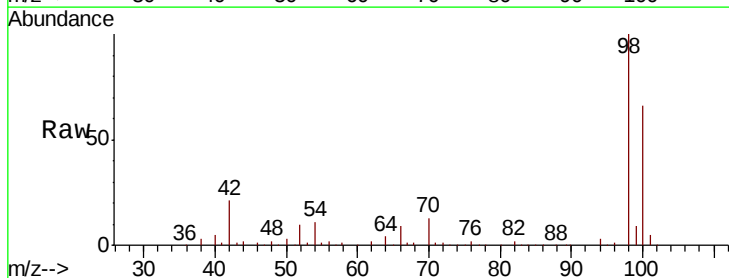


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

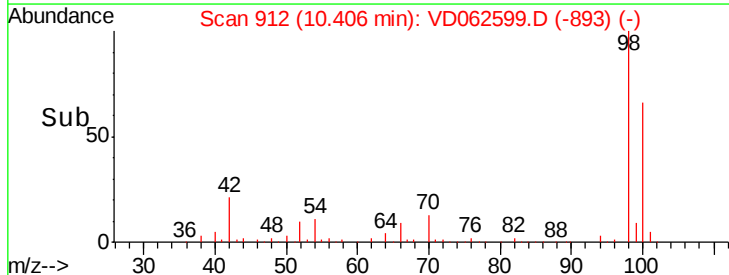
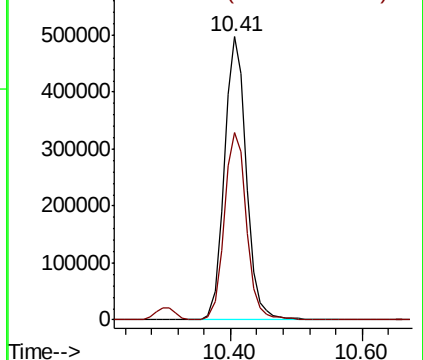


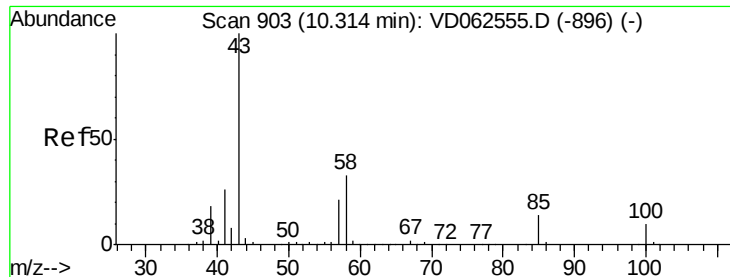
#50
Toluene-d8
Concen: 49.133 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 98 Resp: 1156987
Ion Ratio Lower Upper
98 100
100 66.1 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 100.675 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

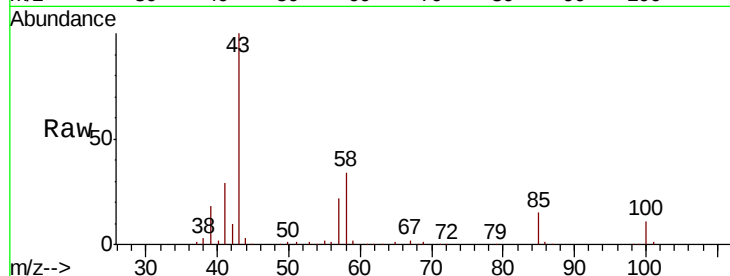
ClientSampleId :

Tot Ion: 43 Resp: 432696

Ion Ratio Lower Upper

43 100

58 34.1 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

200000

150000

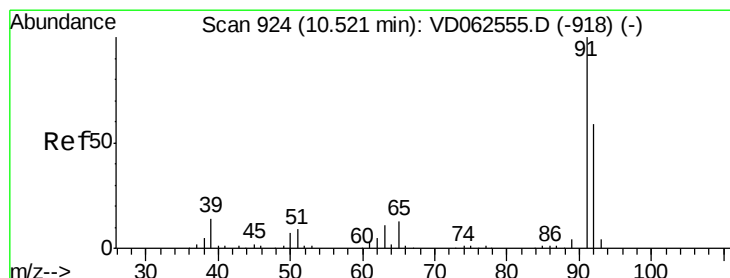
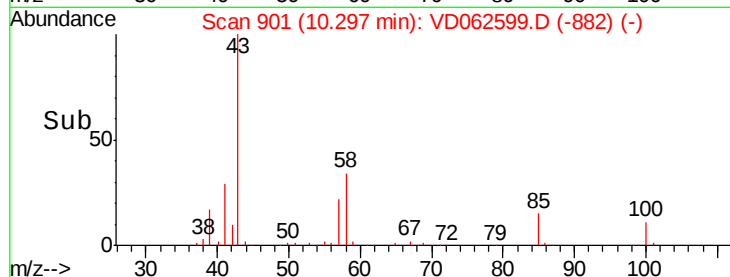
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 18.753 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062599.D

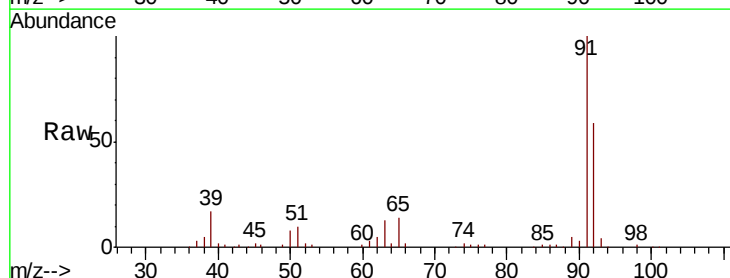
Acq: 4 Jun 2019 15:44

Tgt Ion: 92 Resp: 294717

Ion Ratio Lower Upper

92 100

91 170.3 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

250000

200000

150000

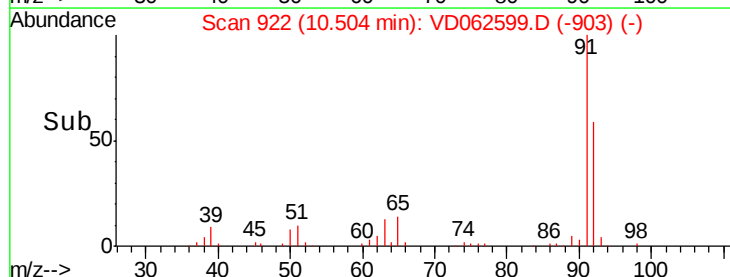
100000

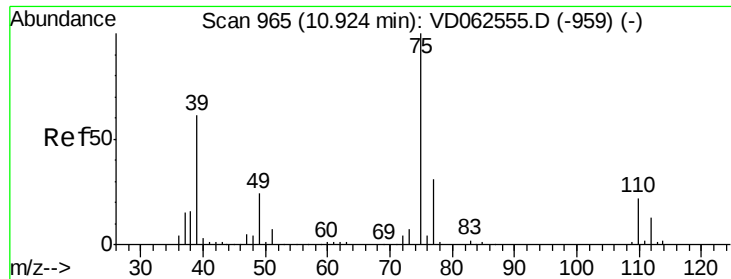
50000

0

Time-->

10.40 10.50 10.60 10.70

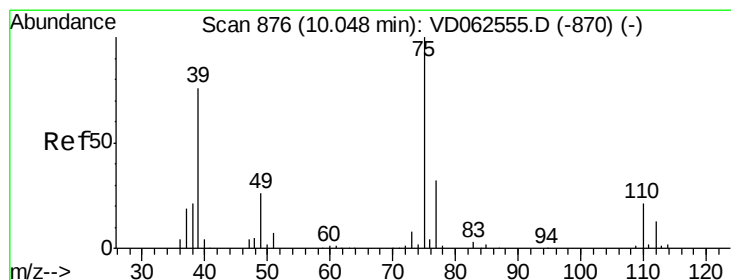
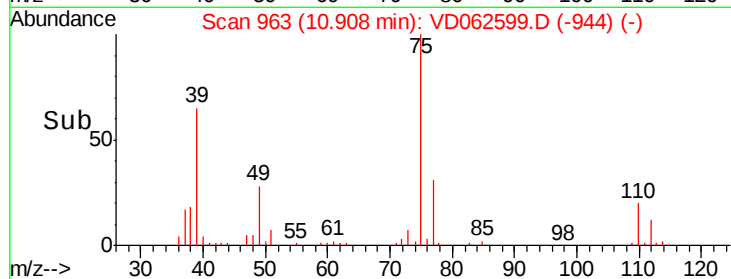
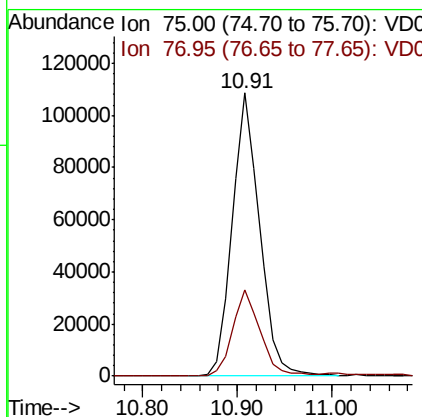
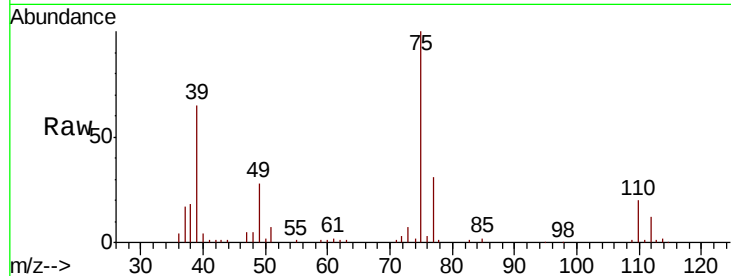




#53
 t-1,3-Dichloropropene
 Concen: 19.705 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

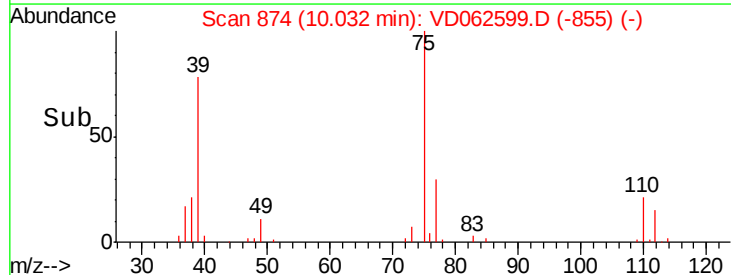
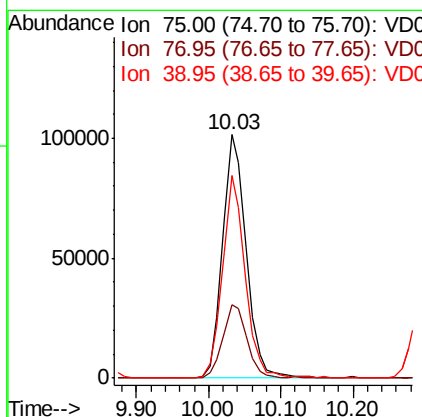
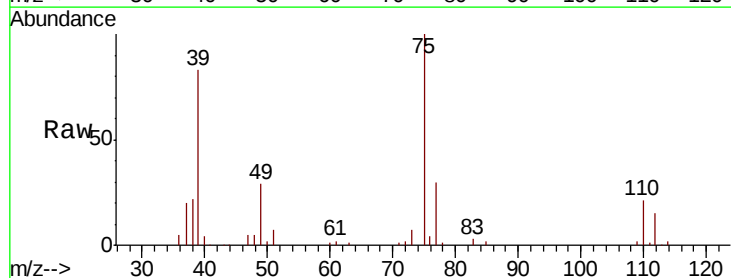
Instrument :
 MSVOA_D
 ClientSampleId :

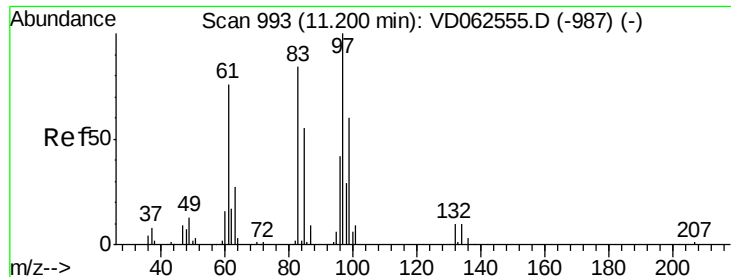
Tot Ion: 75 Resp: 217670
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.021 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Tgt Ion: 75 Resp: 229937
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.7 38.5
 39 83.4 61.0 91.6

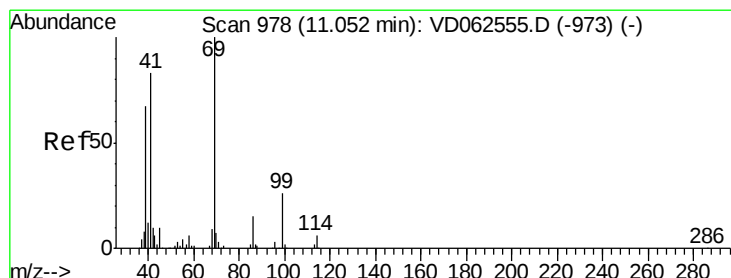
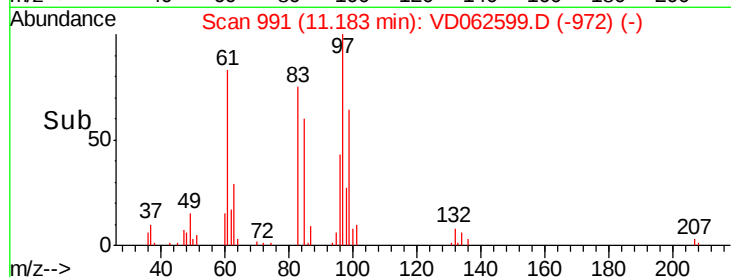
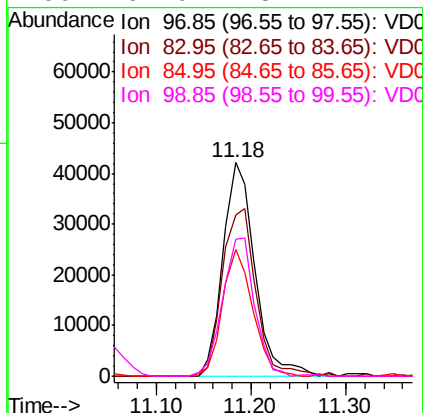
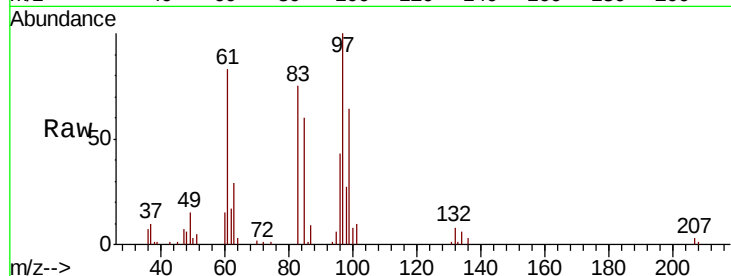




#55
 1,1,2-Trichloroethane
 Concen: 19.251 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

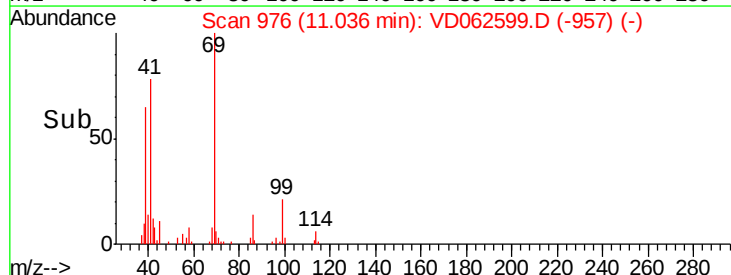
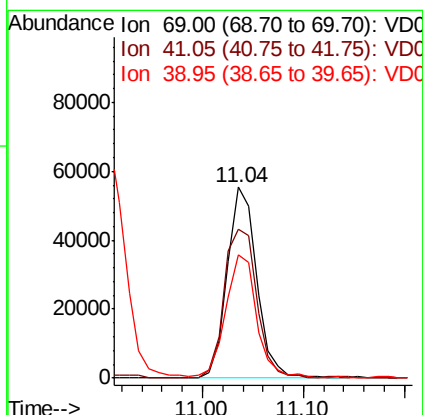
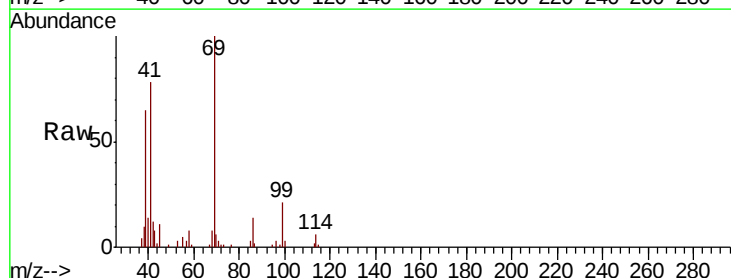
Instrument :
 MSVOA_D
 ClientSampleId :

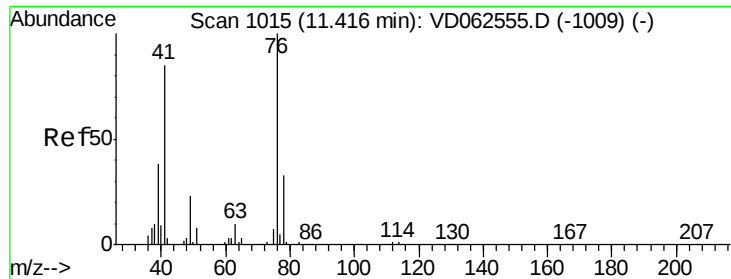
Tot Ion: 97 Resp: 99343
 Ion Ratio Lower Upper
 97 100
 83 75.4 67.3 100.9
 85 59.6 43.8 65.8
 99 64.0 48.2 72.2



#56
 Ethyl methacrylate
 Concen: 20.365 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Tgt Ion: 69 Resp: 112010
 Ion Ratio Lower Upper
 69 100
 41 77.9 66.1 99.1
 39 65.0 54.2 81.2





#57

1,3-Dichloropropane

Concen: 20.452 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

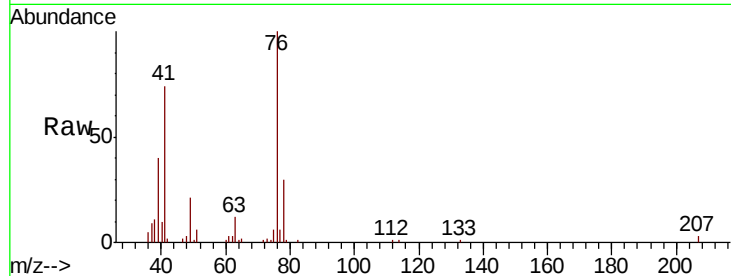
ClientSampled :

Tot Ion: 76 Resp: 162693

Ion Ratio Lower Upper

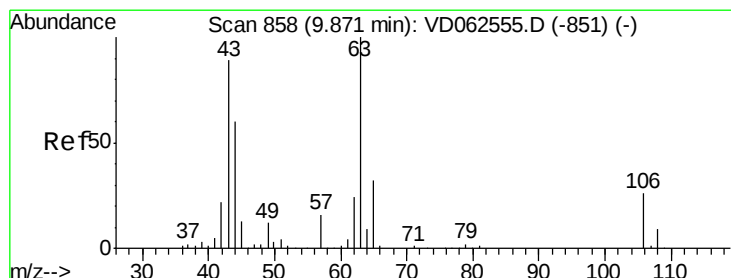
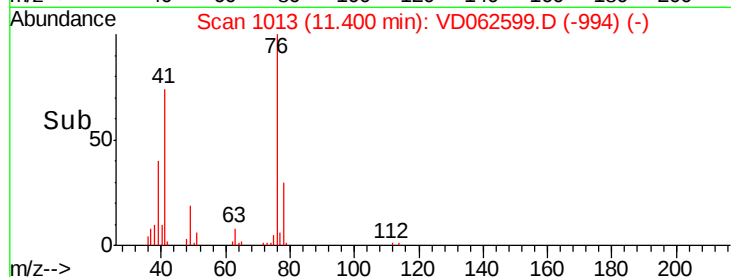
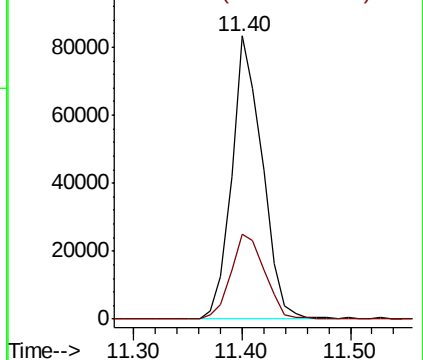
76 100

78 30.1 26.7 40.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 126.037 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD062599.D

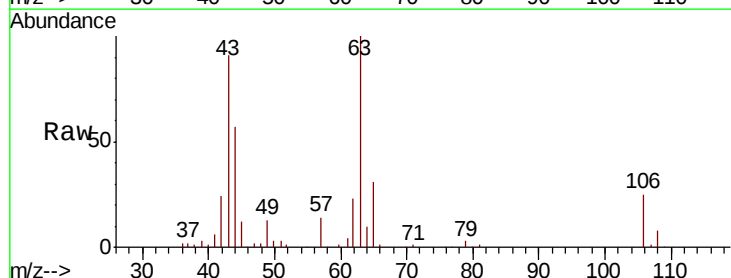
Acq: 4 Jun 2019 15:44

Tgt Ion: 63 Resp: 355529

Ion Ratio Lower Upper

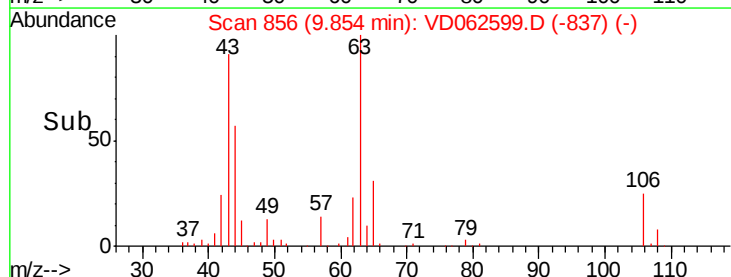
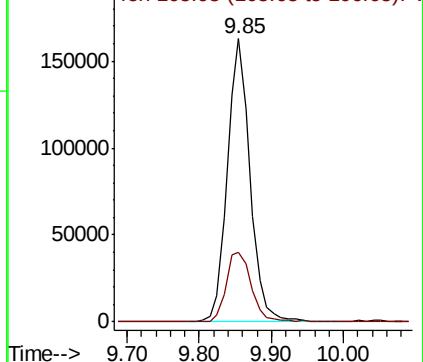
63 100

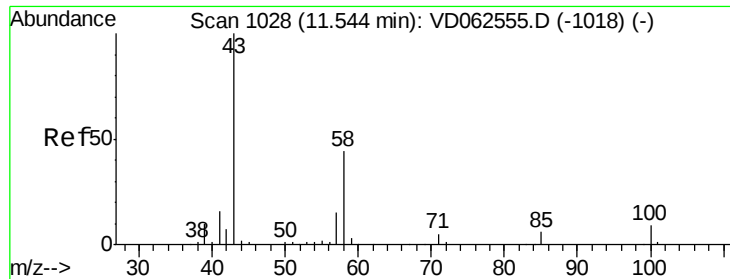
106 24.7 21.0 31.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

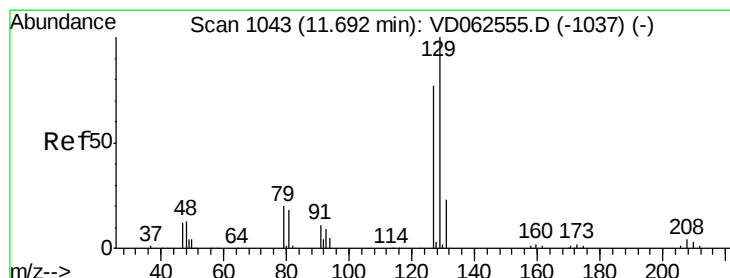
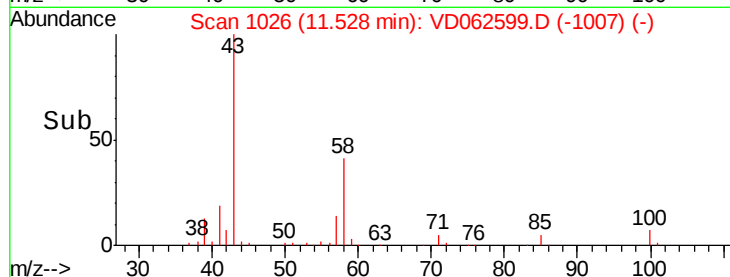
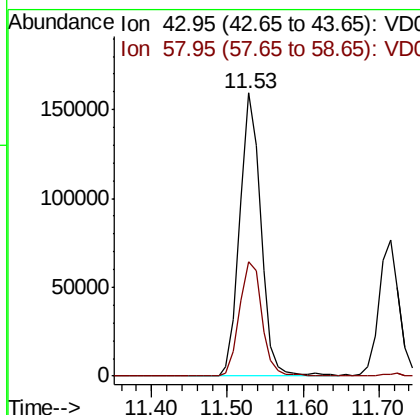
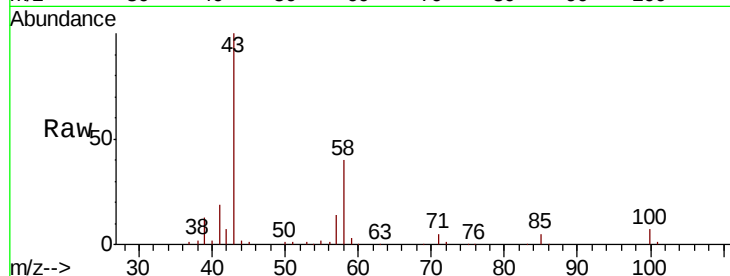




#59
2-Hexanone
Concen: 101.738 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

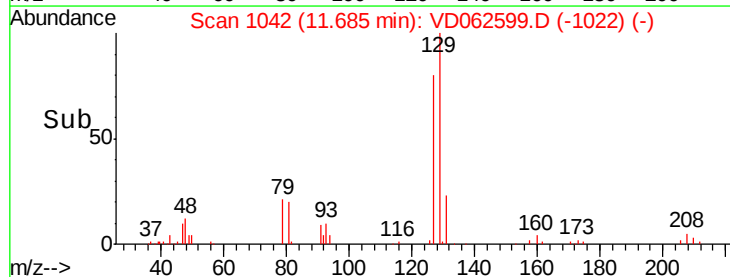
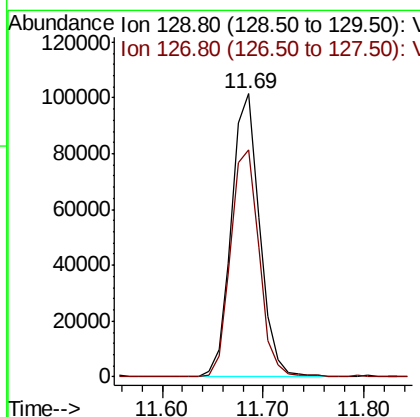
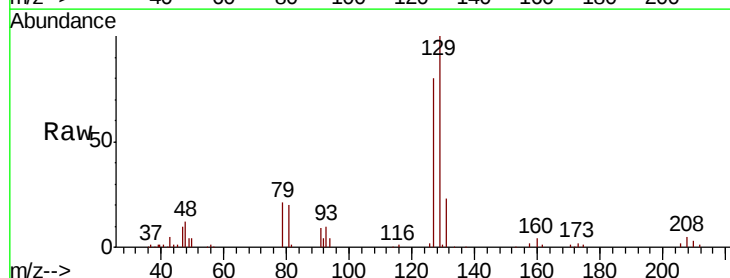
Instrument :
MSVOA_D
ClientSampleId :

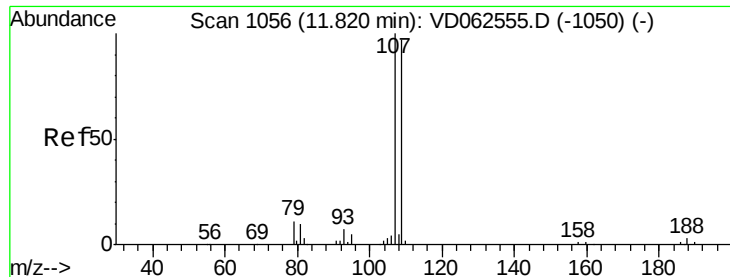
Tot Ion: 43 Resp: 306707
Ion Ratio Lower Upper
43 100
58 40.4 22.0 66.0



#60
Dibromochloromethane
Concen: 19.610 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 129 Resp: 196655
Ion Ratio Lower Upper
129 100
127 80.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.863 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

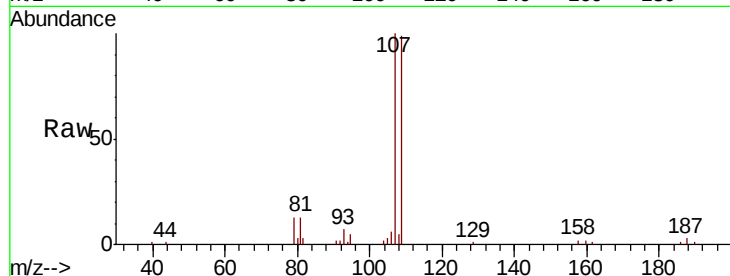
ClientSampleId :

Tot Ion:107 Resp: 123303

Ion Ratio Lower Upper

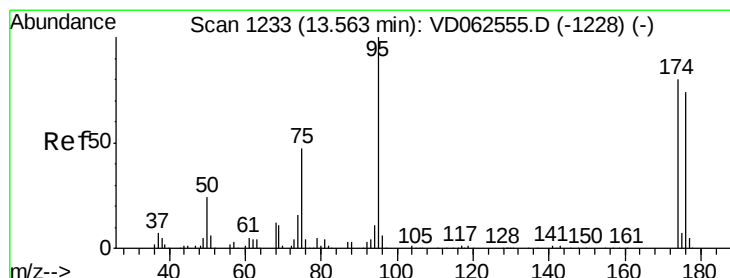
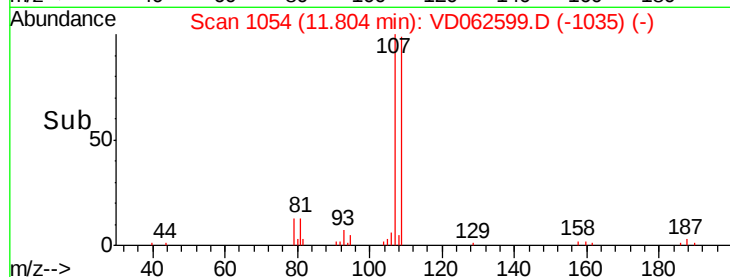
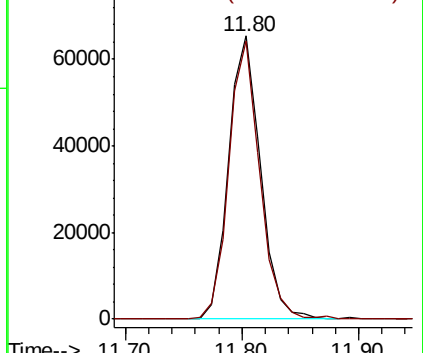
107 100

109 98.5 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.760 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

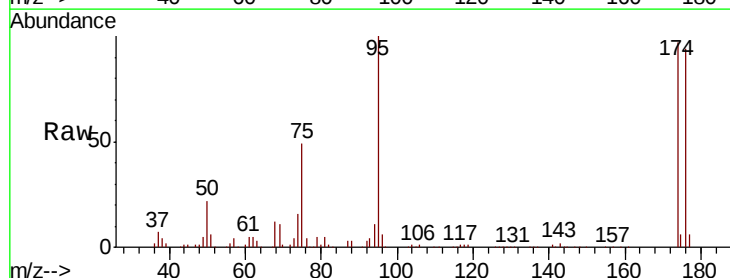
Tgt Ion: 95 Resp: 549663

Ion Ratio Lower Upper

95 100

174 97.1 0.0 160.2

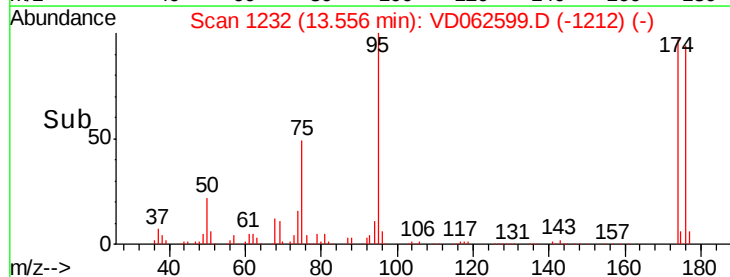
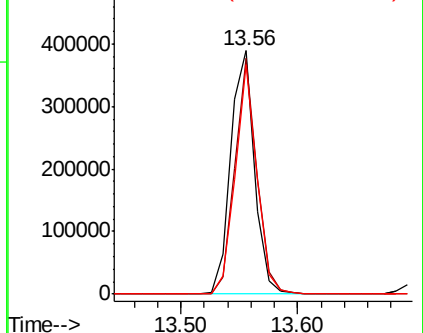
176 94.4 0.0 148.0

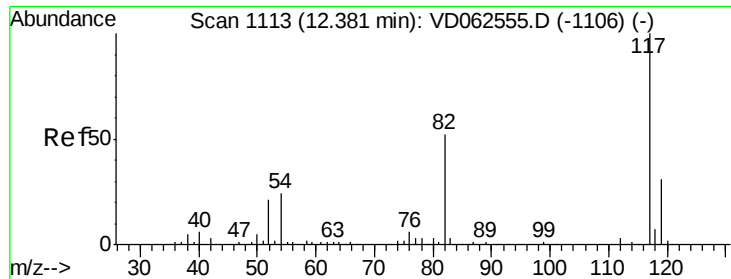


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

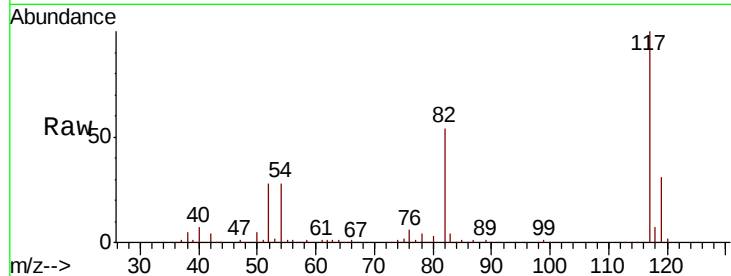




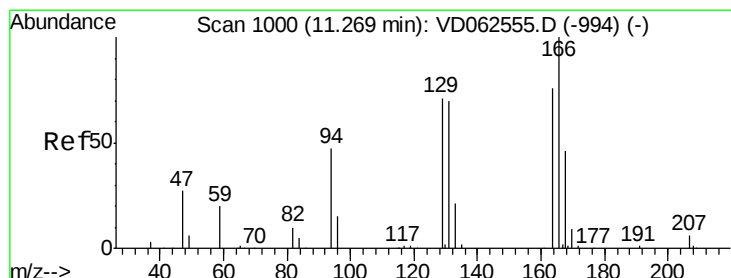
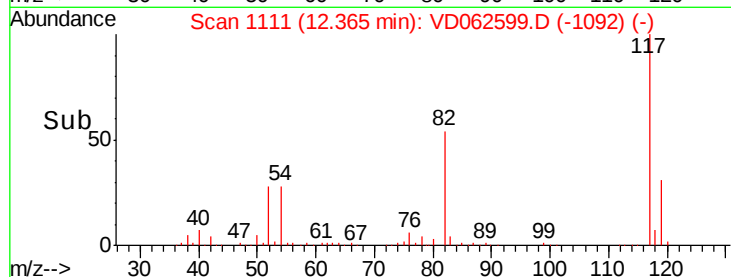
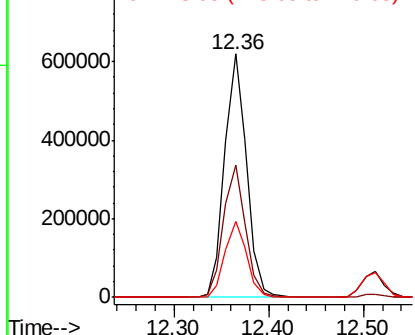
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 999443
Ion Ratio Lower Upper
117 100
82 54.2 41.4 62.2
119 31.1 24.9 37.3



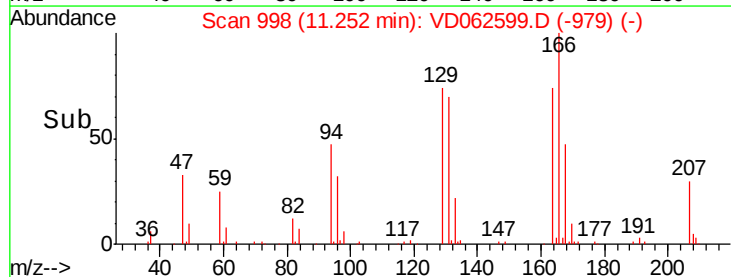
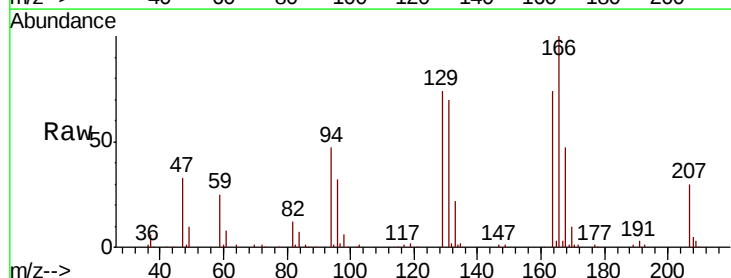
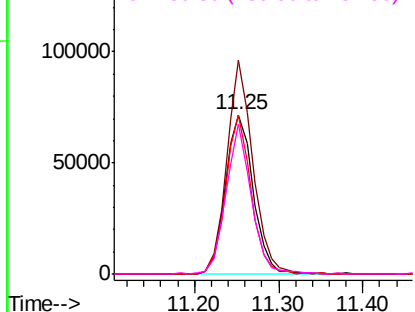
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

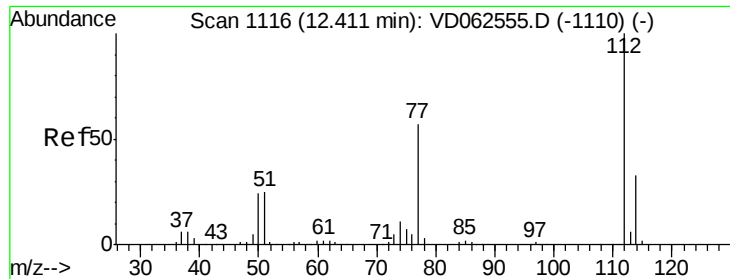


#64
Tetrachloroethene
Concen: 18.470 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion:164 Resp: 163186
Ion Ratio Lower Upper
164 100
166 134.4 105.3 157.9
129 99.6 75.3 112.9
131 94.2 73.3 109.9

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

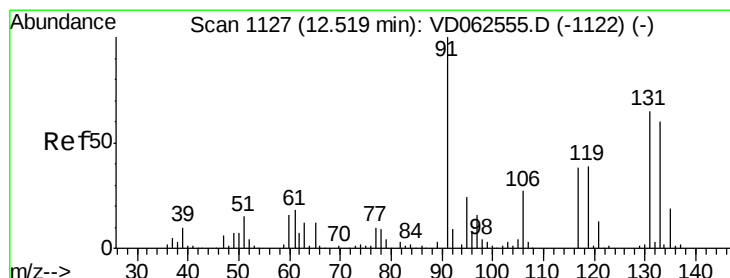
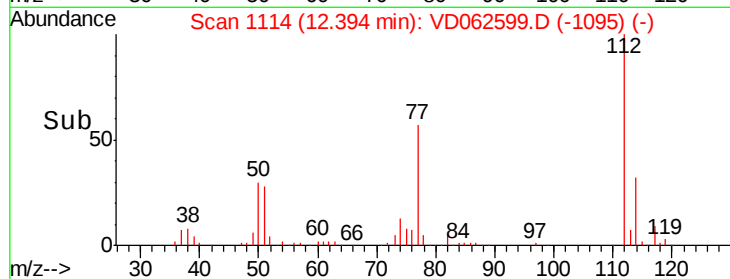
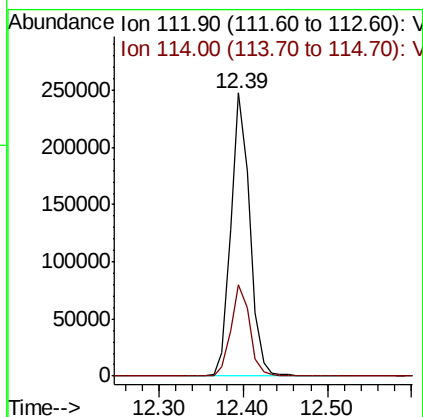
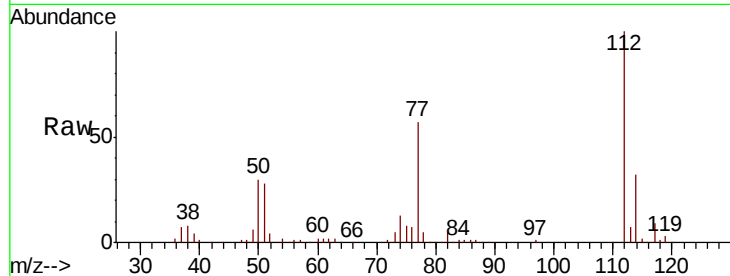




#65
Chlorobenzene
Concen: 19.855 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

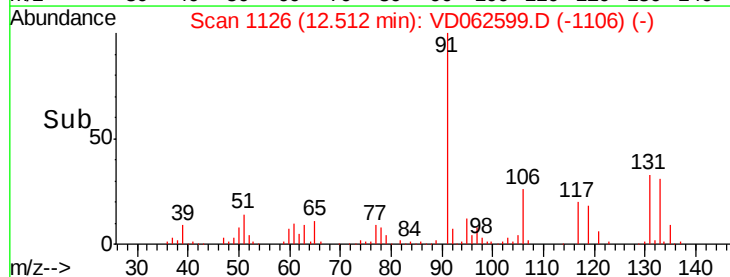
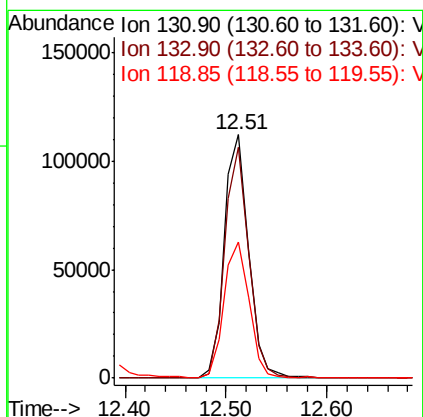
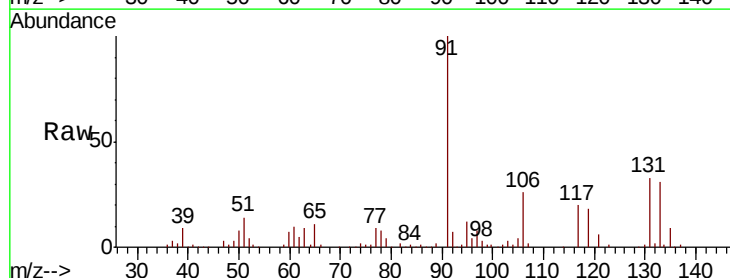
Instrument :
MSVOA_D
ClientSampled :

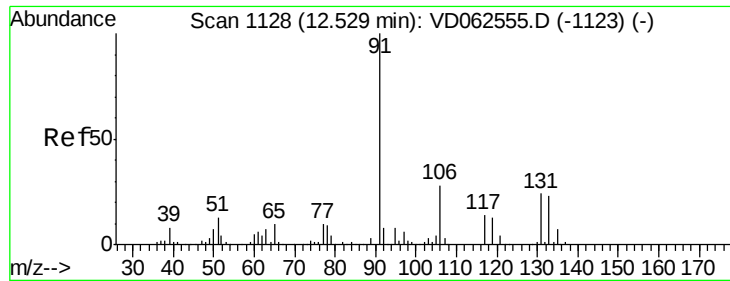
Tot Ion:112 Resp: 386573
Ion Ratio Lower Upper
112 100
114 32.4 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.462 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion:131 Resp: 188415
Ion Ratio Lower Upper
131 100
133 94.5 46.2 138.6
119 55.9 29.5 88.6

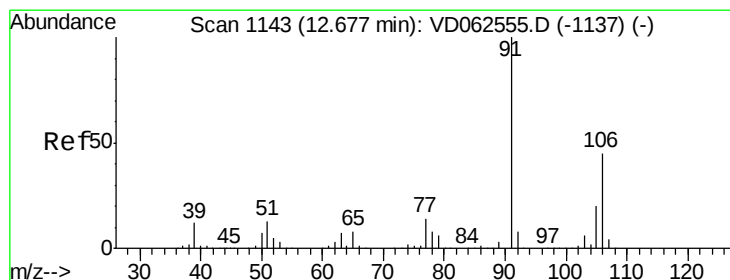
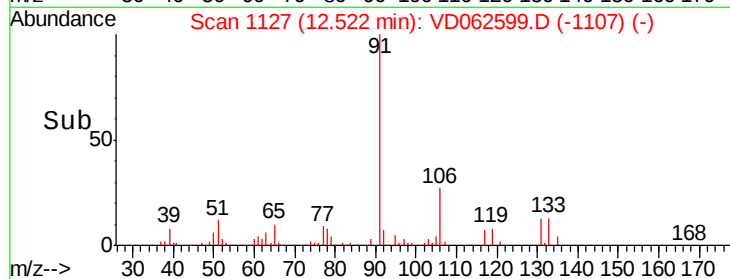
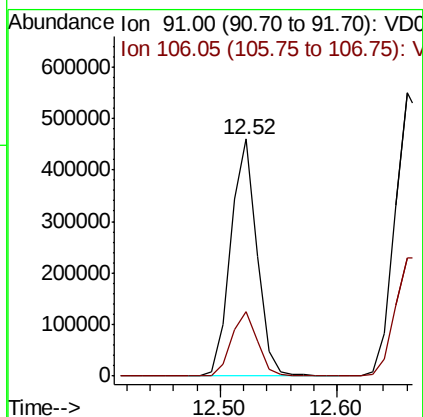
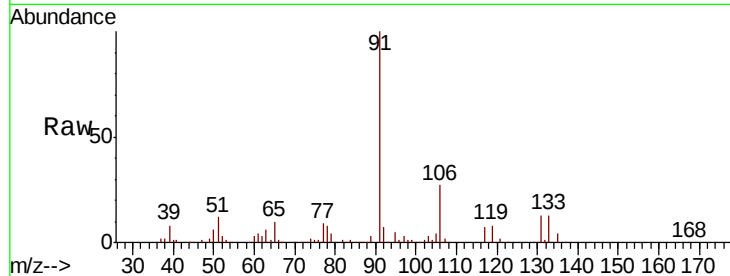




#67
Ethyl Benzene
Concen: 20.041 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

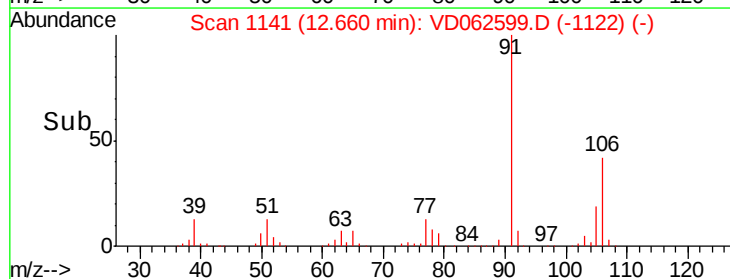
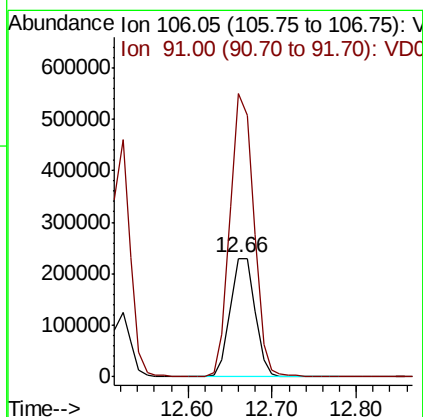
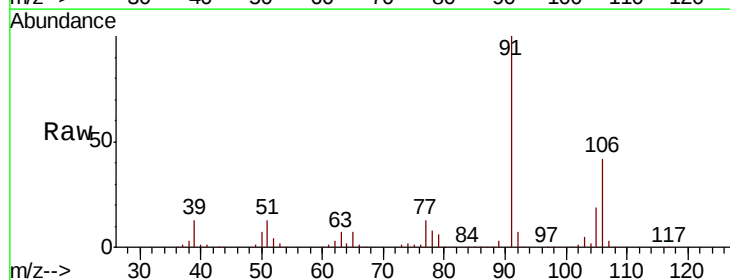
Instrument :
MSVOA_D
ClientSampleId :

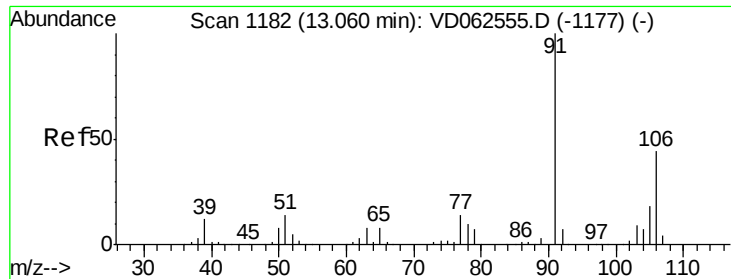
Tot Ion: 91 Resp: 714914
Ion Ratio Lower Upper
91 100
106 27.4 22.2 33.2



#68
m/p-Xylenes
Concen: 38.776 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 106 Resp: 478504
Ion Ratio Lower Upper
106 100
91 238.6 178.9 268.3

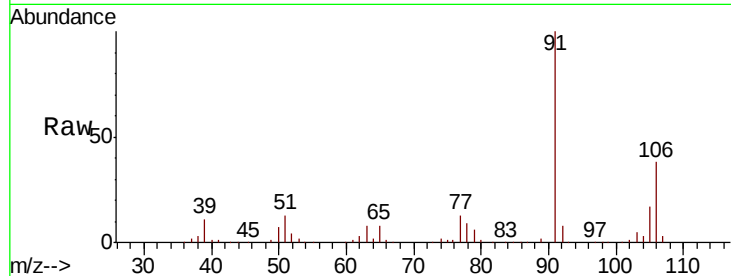




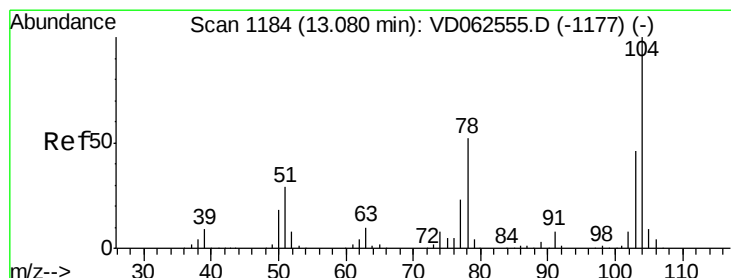
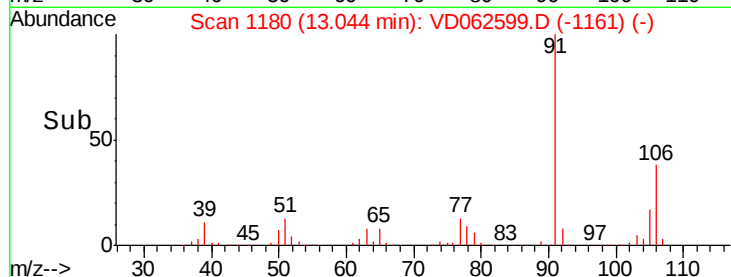
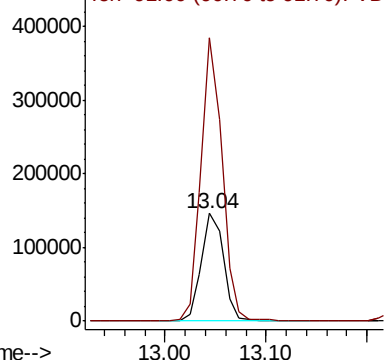
#69
o-Xylene
Concen: 19.032 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 224038
Ion Ratio Lower Upper
106 100
91 263.4 113.9 341.8

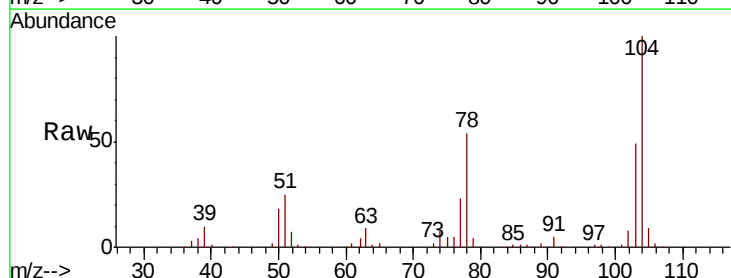


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

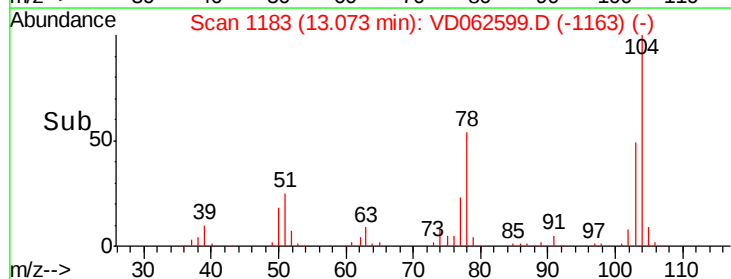
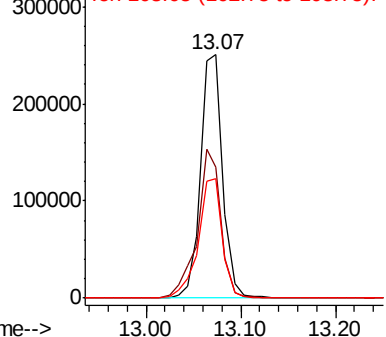


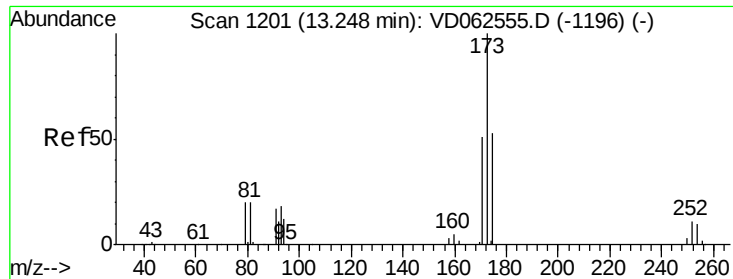
#70
Styrene
Concen: 20.181 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion:104 Resp: 403381
Ion Ratio Lower Upper
104 100
78 53.6 41.5 62.3
103 48.8 36.6 55.0



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: 18.178 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

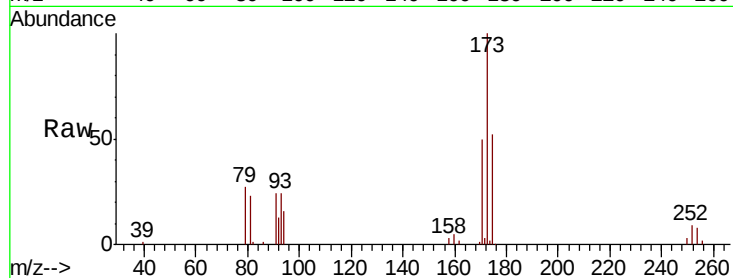
Tot Ion:173 Resp: 117499

Ion Ratio Lower Upper

173 100

175 51.5 26.6 79.7

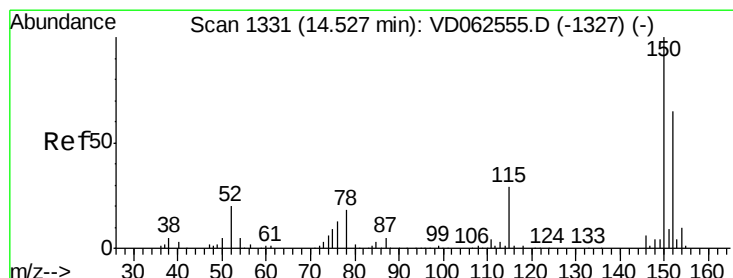
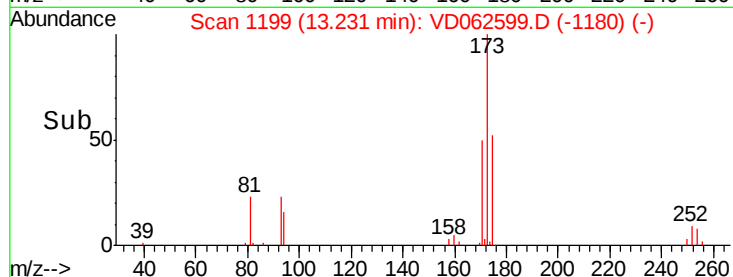
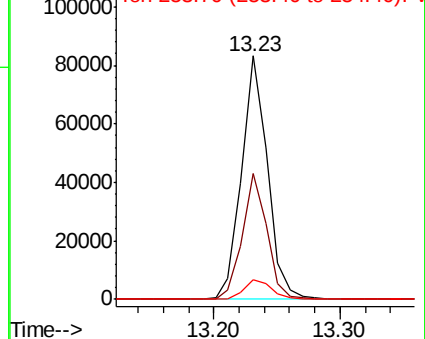
254 8.0 8.1 12.1#



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. -0.01 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

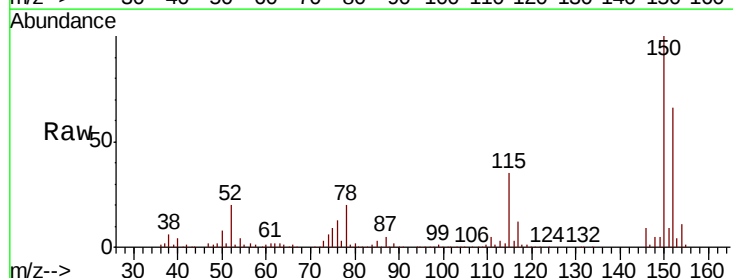
Tgt Ion:152 Resp: 539019

Ion Ratio Lower Upper

152 100

115 53.2 28.4 85.3

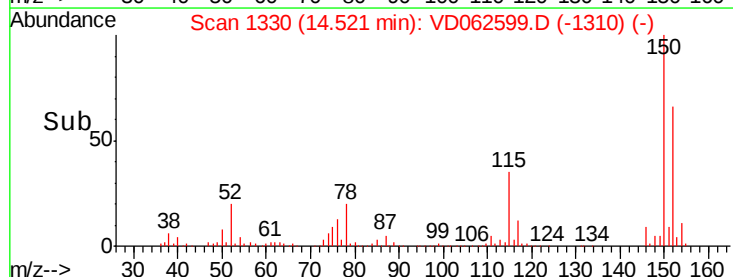
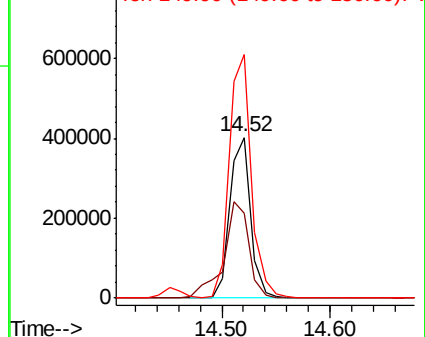
150 151.6 0.0 310.4

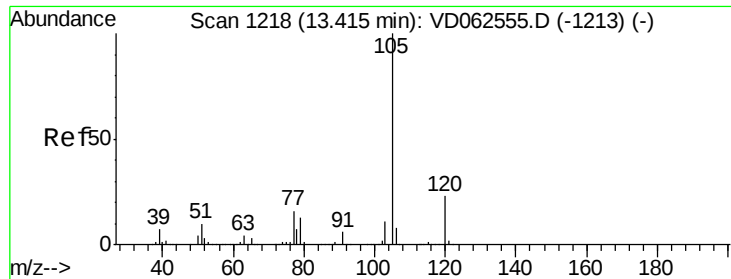


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

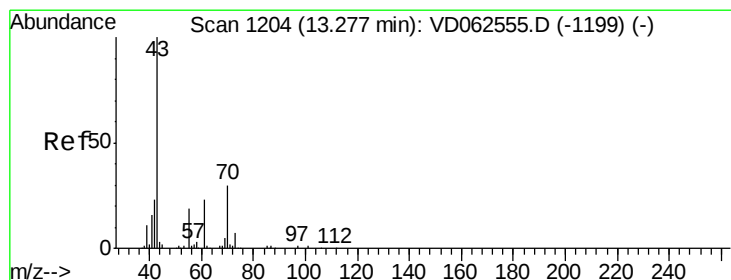
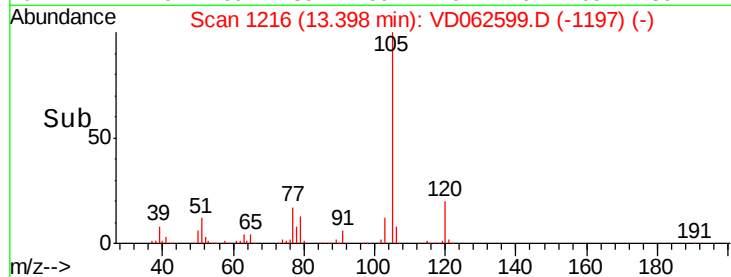
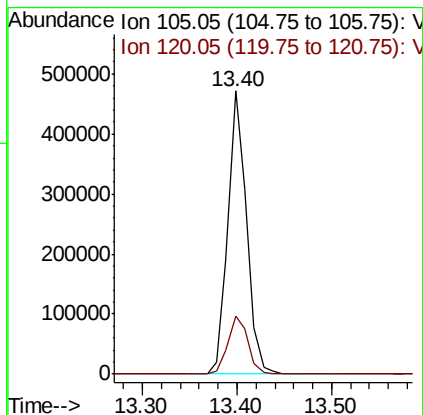
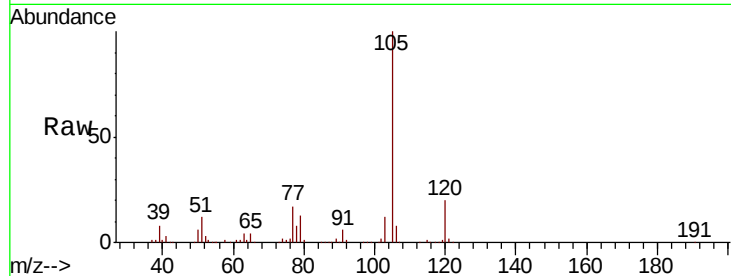




#73
Isopropylbenzene
Concen: 18.038 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

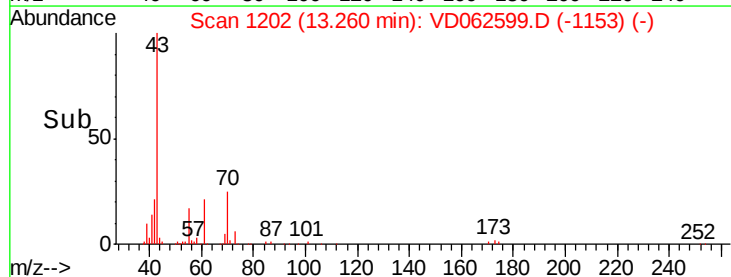
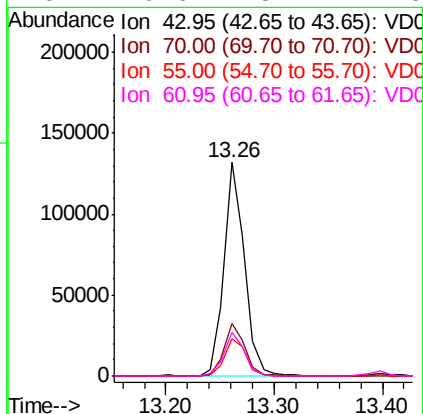
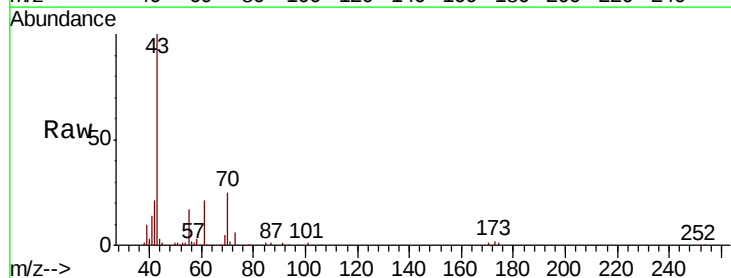
Instrument :
MSVOA_D
ClientSampleId :

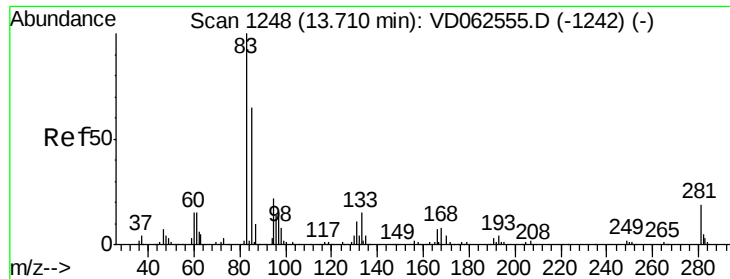
Tot Ion:105 Resp: 640987
Ion Ratio Lower Upper
105 100
120 20.4 11.6 34.8



#74
N-ethyl acetate
Concen: 19.123 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 43 Resp: 173264
Ion Ratio Lower Upper
43 100
70 24.6 23.7 35.5
55 17.5 15.0 22.4
61 20.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.415 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

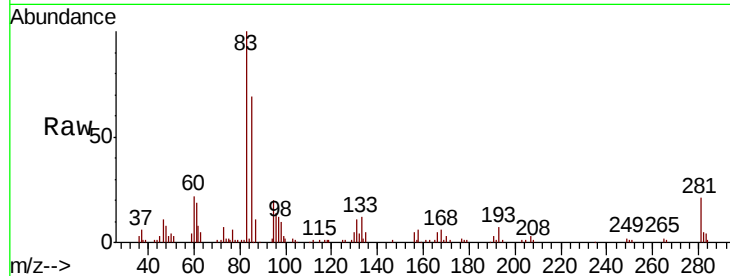
Tot Ion: 83 Resp: 109417

Ion Ratio Lower Upper

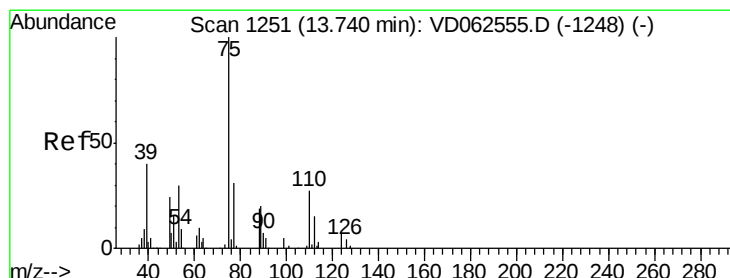
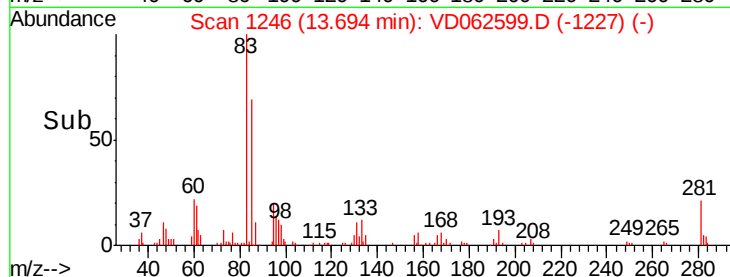
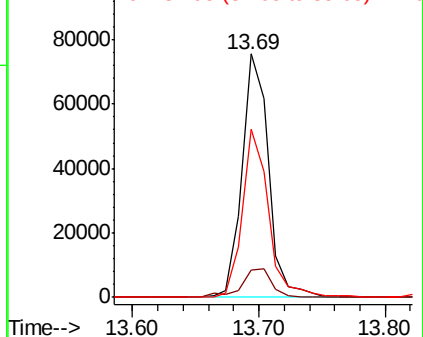
83 100

131 11.0 5.7 17.1

85 68.9 32.6 97.8



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: 19.276 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD062599.D

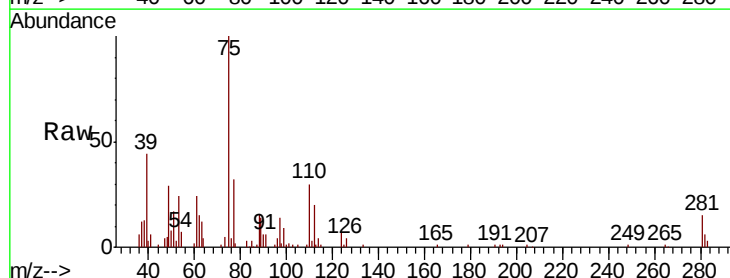
Acq: 4 Jun 2019 15:44

Tgt Ion: 75 Resp: 124654

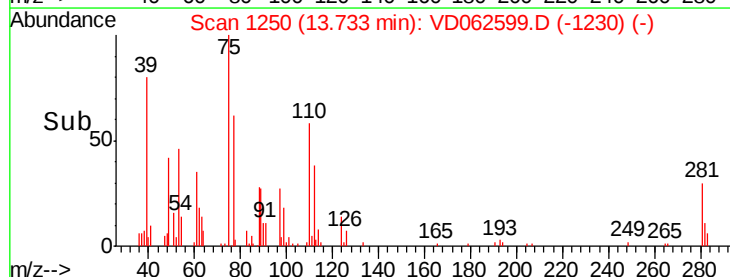
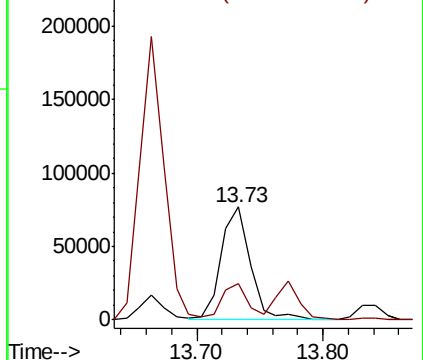
Ion Ratio Lower Upper

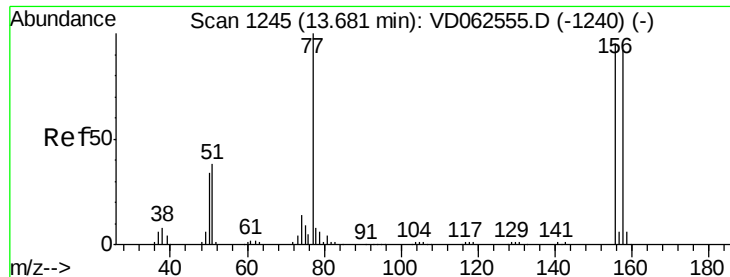
75 100

77 32.5 16.5 49.5



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





#77

Bromobenzene

Concen: 19.393 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.02 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

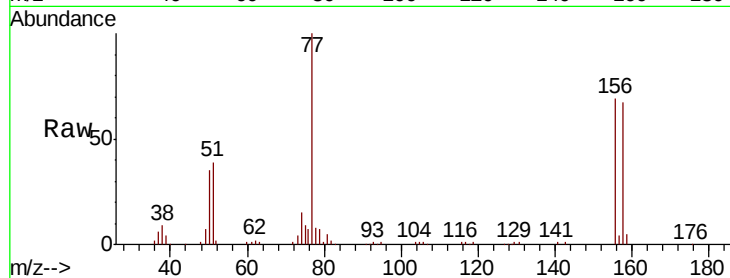
Tot Ion:156 Resp: 188951

Ion Ratio Lower Upper

156 100

77 144.8 52.9 158.7

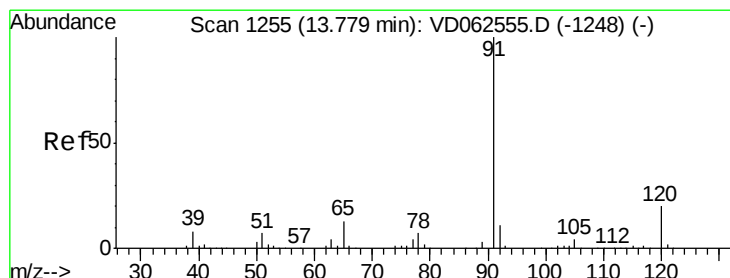
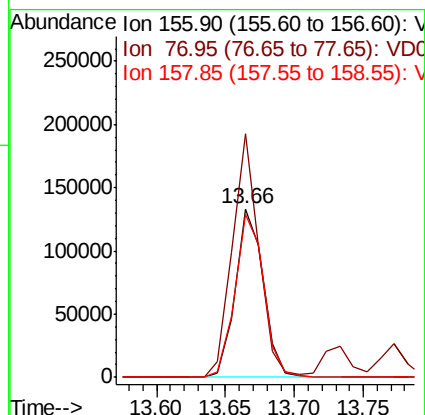
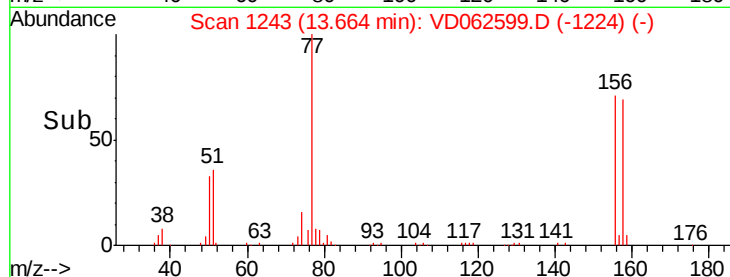
158 97.3 48.5 145.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.977 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062599.D

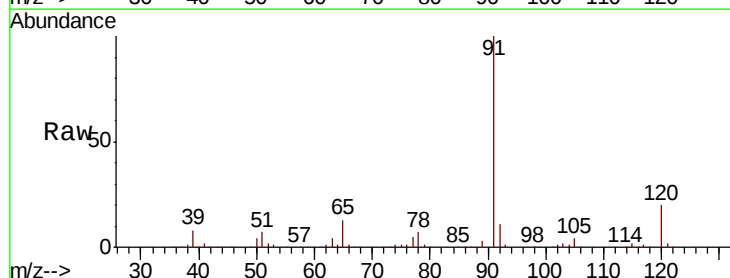
Acq: 4 Jun 2019 15:44

Tgt Ion: 91 Resp: 777307

Ion Ratio Lower Upper

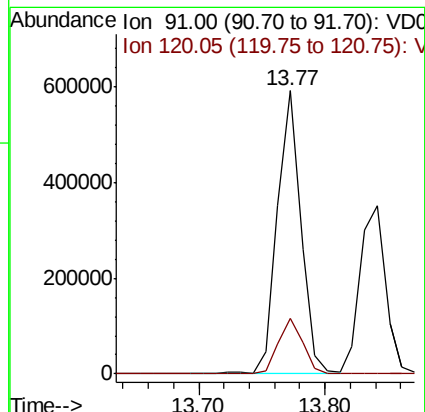
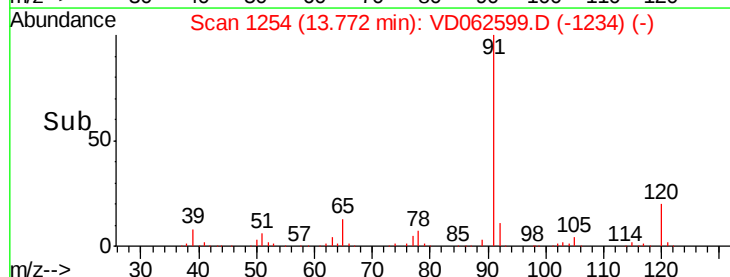
91 100

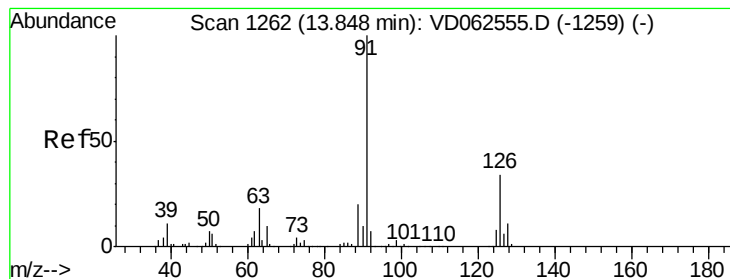
120 19.7 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.768 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

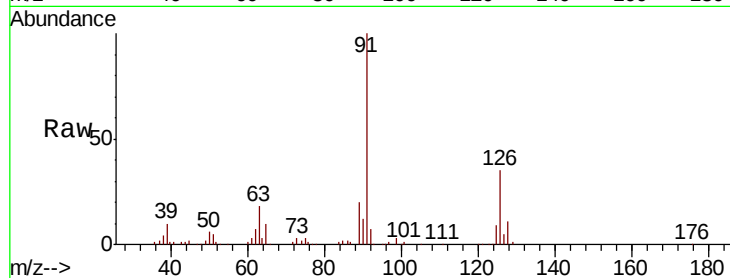
ClientSampleId :

Tot Ion: 91 Resp: 493234

Ion Ratio Lower Upper

91 100

126 35.4 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VD062555.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD062555.D (-1259) (-)

600000

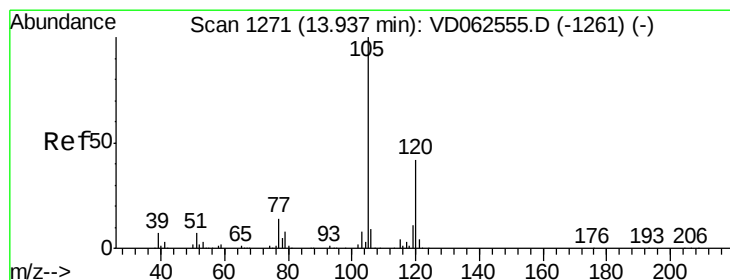
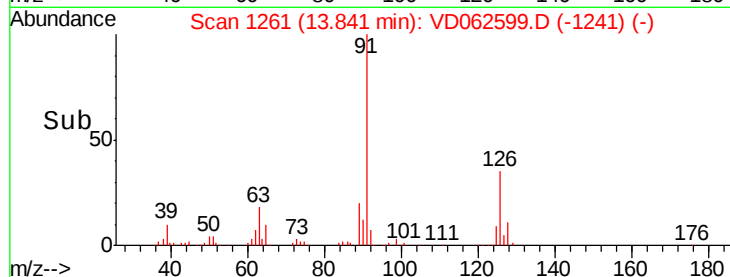
400000

200000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.227 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062599.D

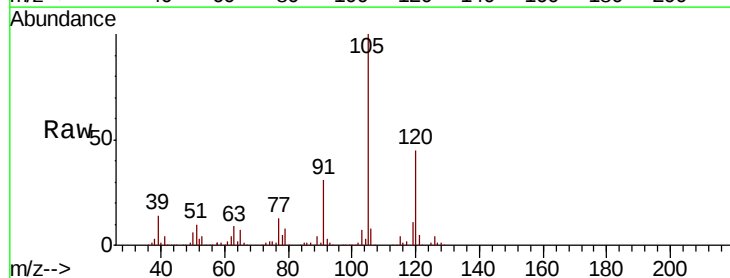
Acq: 4 Jun 2019 15:44

Tgt Ion:105 Resp: 614177

Ion Ratio Lower Upper

105 100

120 44.9 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): VD062555.D (-1261) (-)

Ion 120.05 (119.75 to 120.75): VD062555.D (-1261) (-)

500000

400000

300000

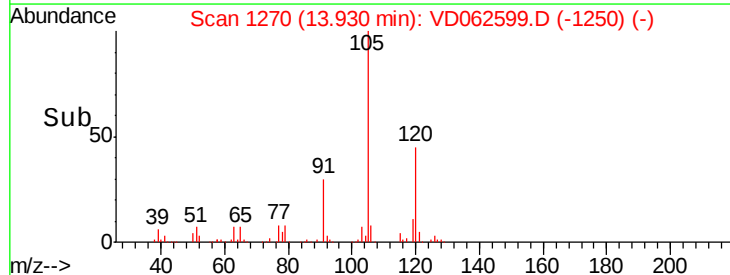
200000

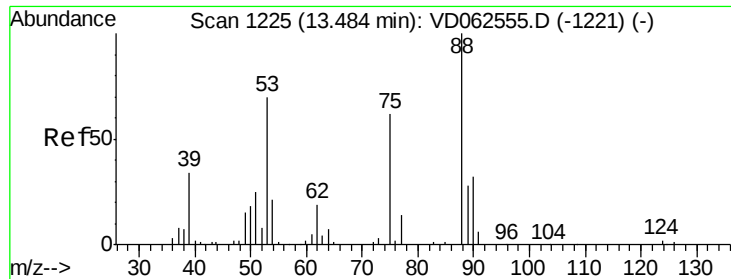
100000

0

13.90 14.00

Time-->

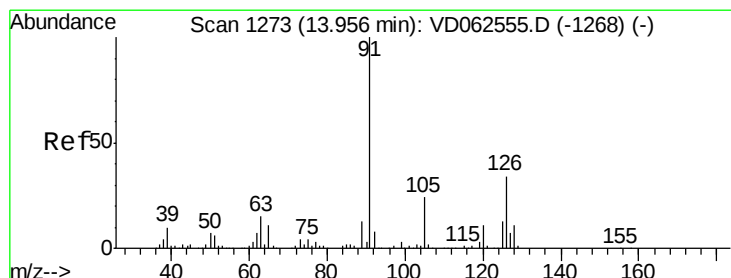
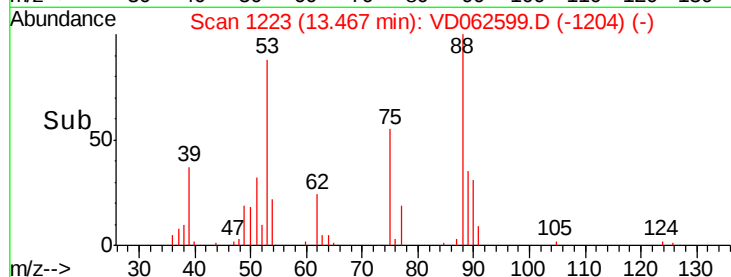
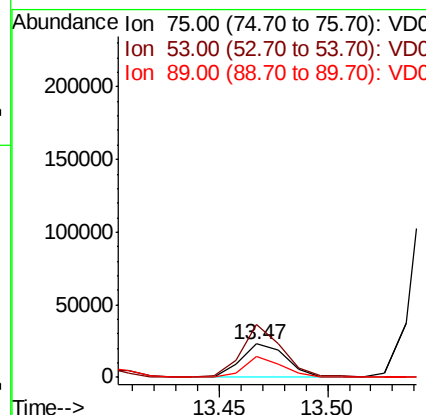
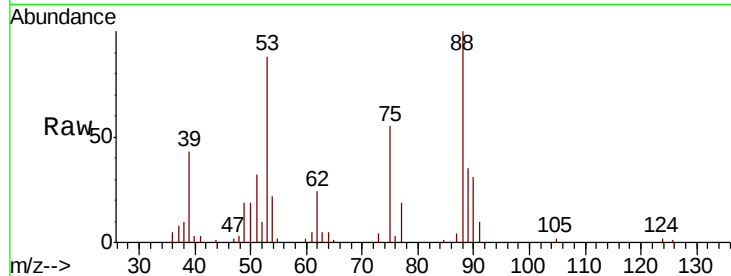




#81
trans-1,4-Dichloro-2-butene
Concen: 18.048 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

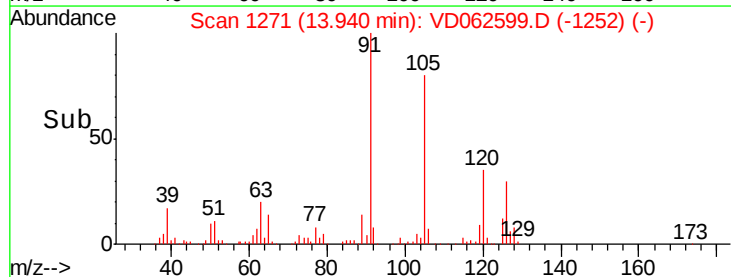
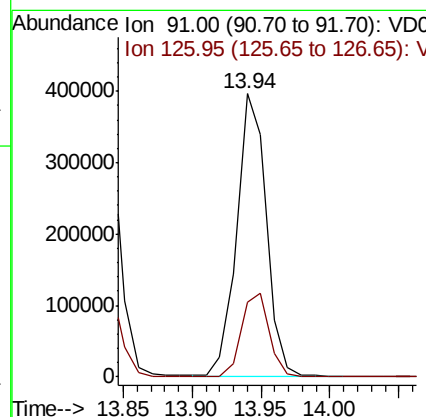
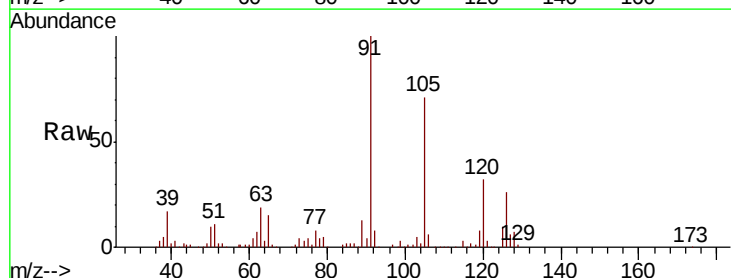
Instrument :
MSVOA_D
ClientSampleId :

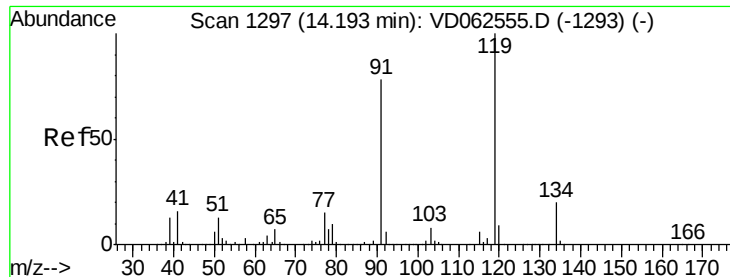
Tot Ion: 75 Resp: 33443
Ion Ratio Lower Upper
75 100
53 159.1 91.0 136.4#
89 63.6 36.9 55.3#



#82
4-Chlorotoluene
Concen: 20.727 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 91 Resp: 589317
Ion Ratio Lower Upper
91 100
126 26.3 16.9 50.7

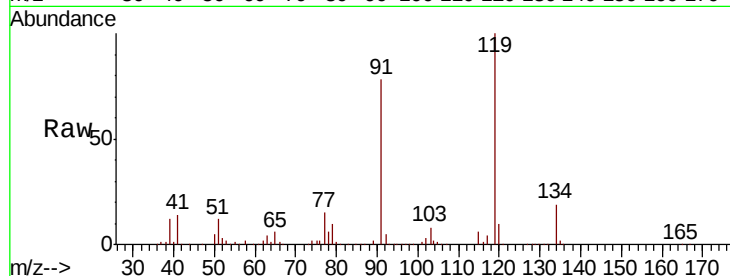




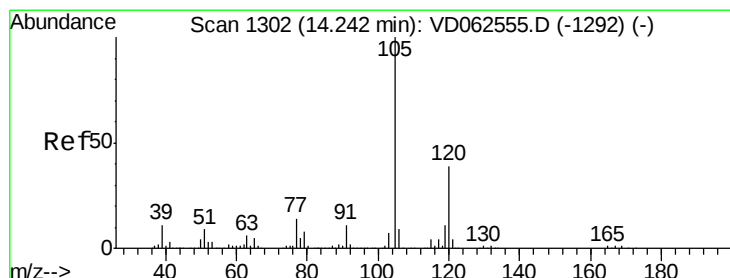
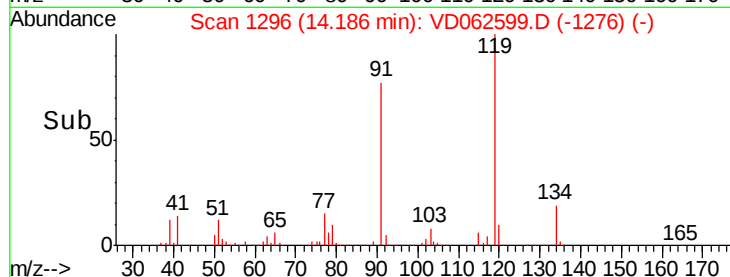
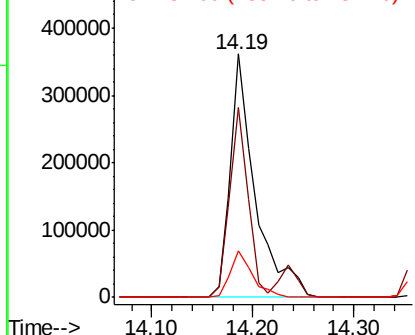
#83
tert-Butylbenzene
Concen: 18.279 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 619319
Ion Ratio Lower Upper
119 100
91 77.8 39.1 117.5
134 19.3 10.1 30.3

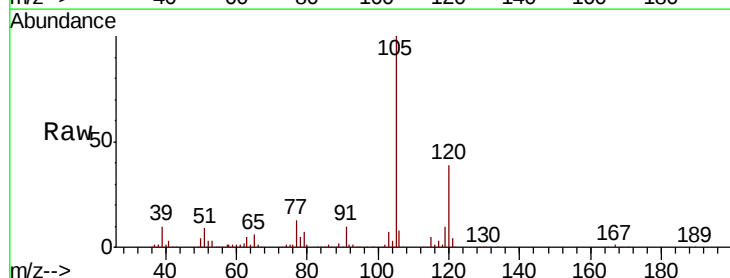


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

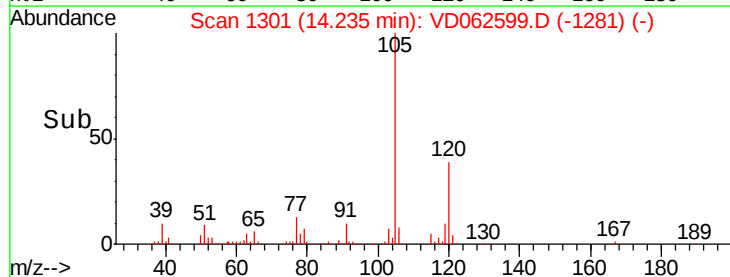
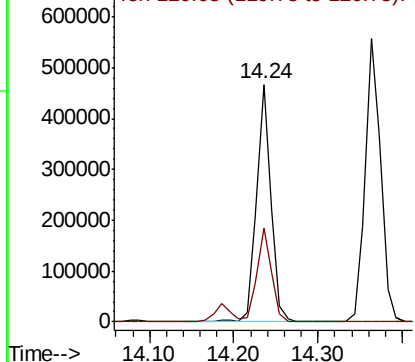


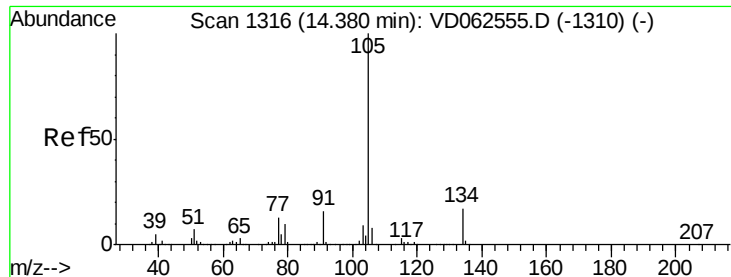
#84
1,2,4-Trimethylbenzene
Concen: 18.344 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion:105 Resp: 567579
Ion Ratio Lower Upper
105 100
120 39.3 19.6 58.8



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

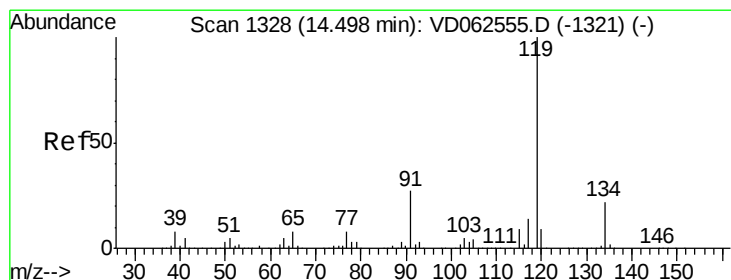
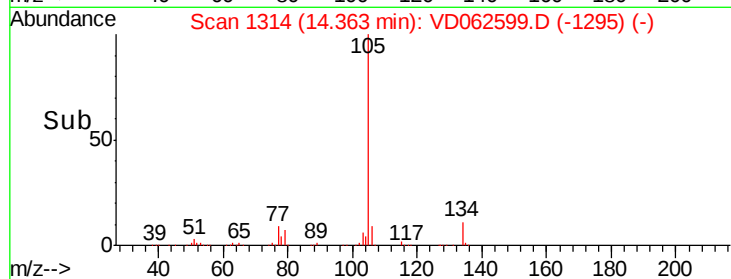
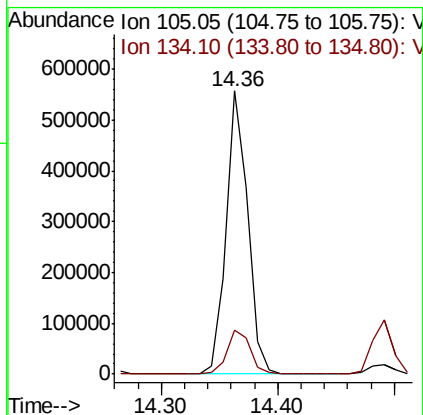
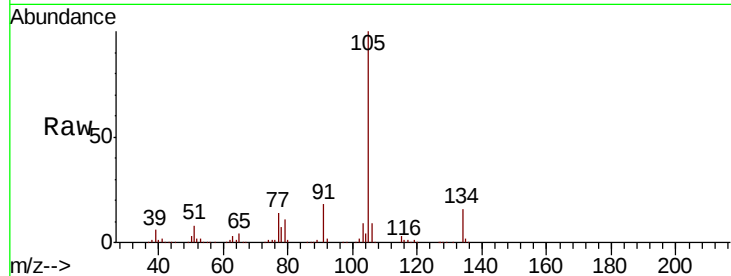




#85
 sec-Butylbenzene
 Concen: 19.765 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

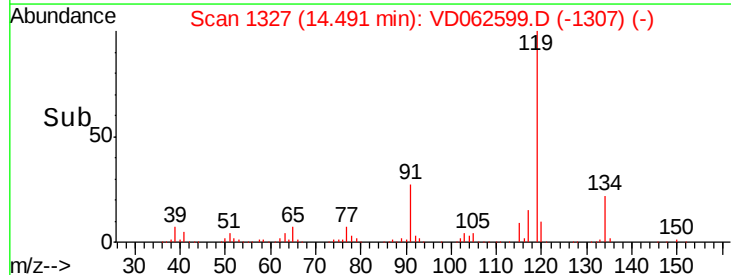
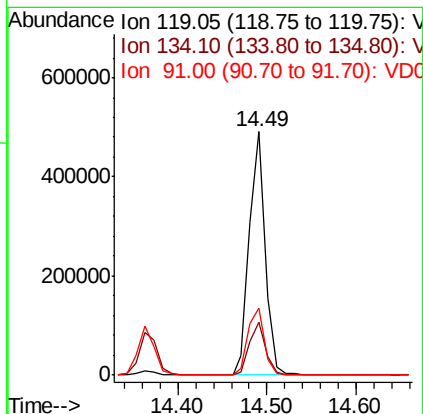
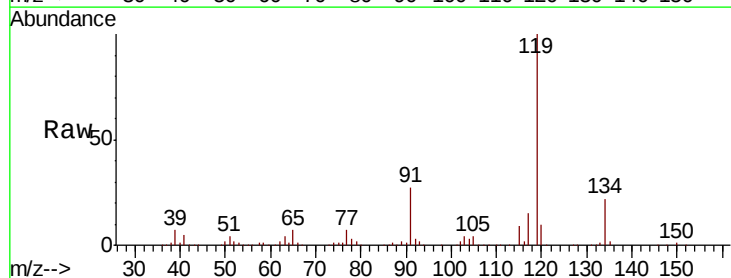
Instrument :
 MSVOA_D
 ClientSampled :

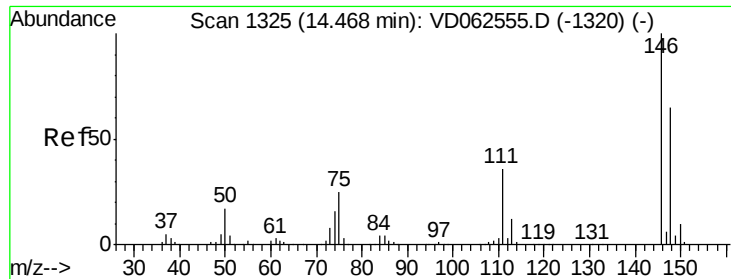
Tot Ion:105 Resp: 709430
 Ion Ratio Lower Upper
 105 100
 134 15.6 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 18.086 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Tgt Ion:119 Resp: 606501
 Ion Ratio Lower Upper
 119 100
 134 21.9 11.2 33.6
 91 27.4 13.6 40.7

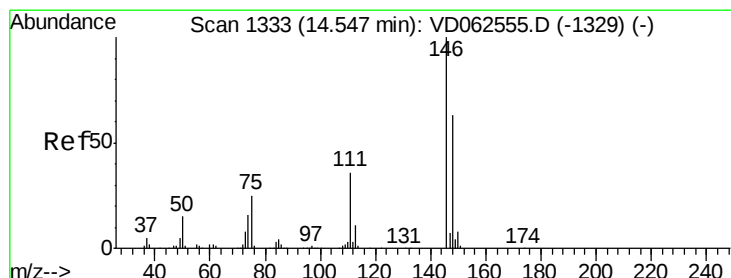
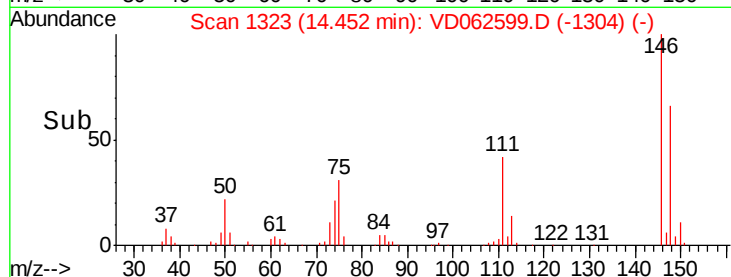
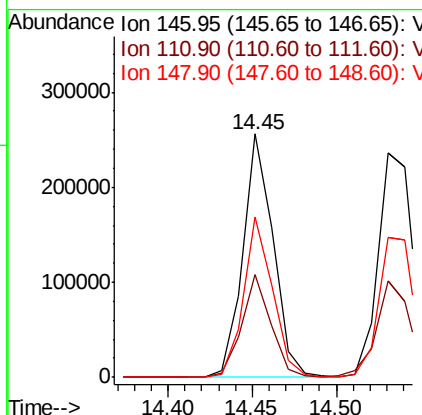
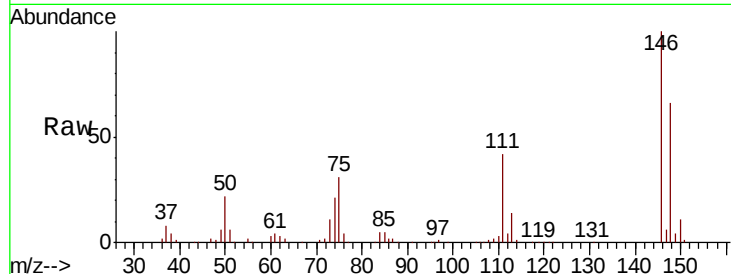




#87
 1,3-Dichlorobenzene
 Concen: 18.971 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

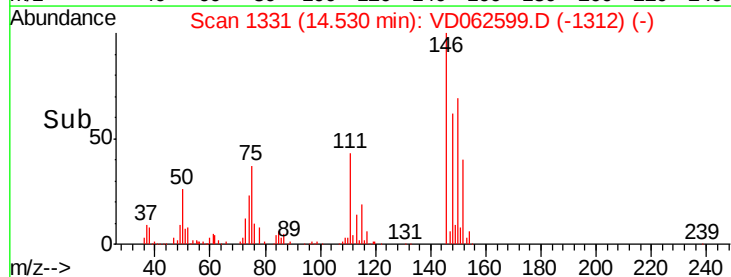
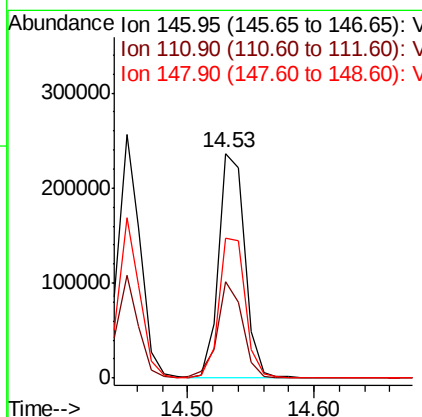
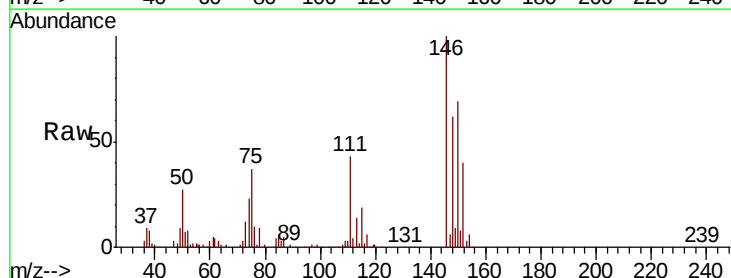
Instrument :
 MSVOA_D
 ClientSampleId :

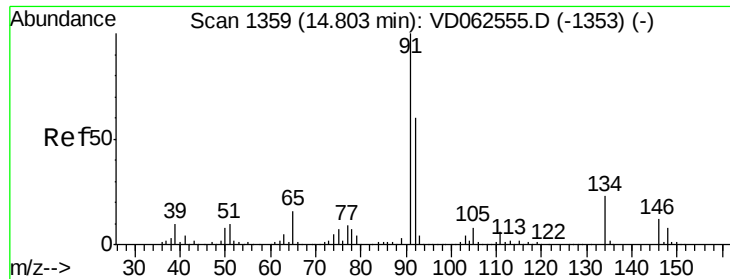
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	18.1	54.4
148	66.0	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 20.104 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	18.2	54.6
148	62.1	31.6	94.8

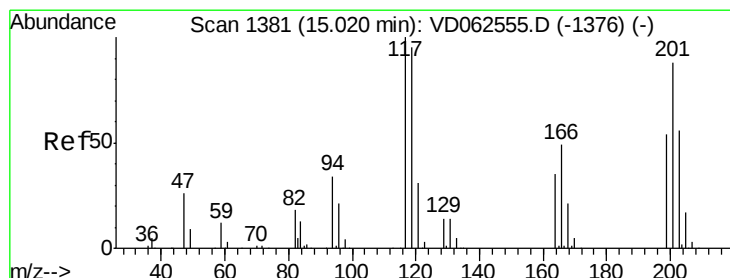
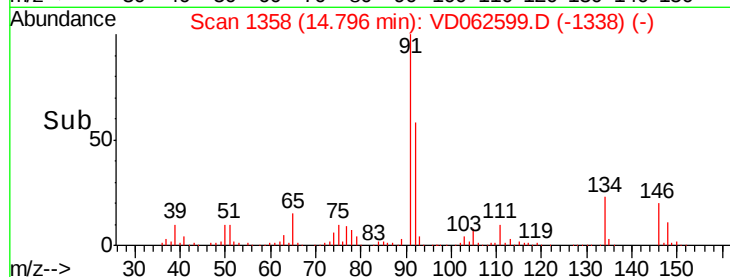
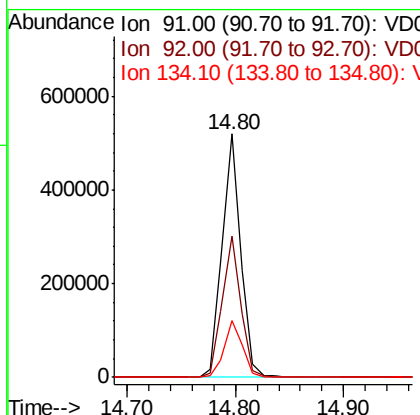
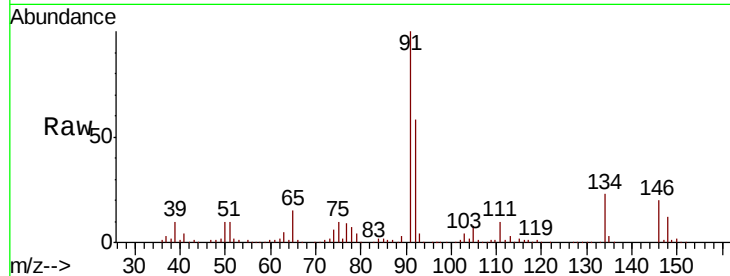




#89
n-Butylbenzene
Concen: 20.703 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

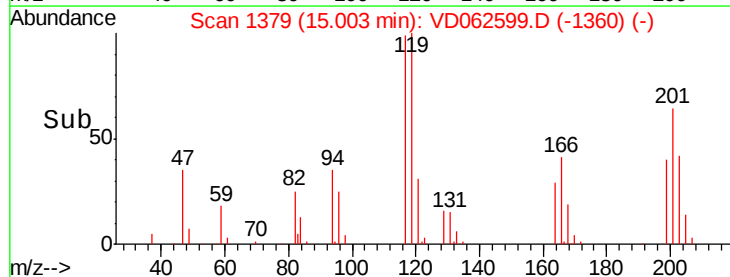
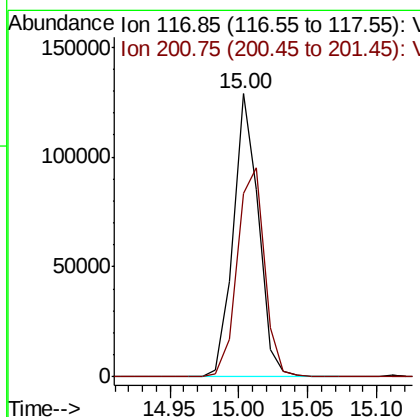
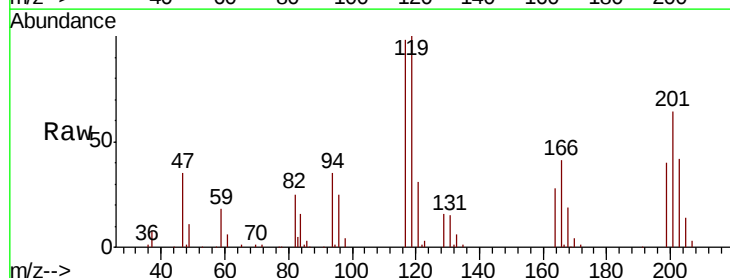
Instrument :
MSVOA_D
ClientSampled :

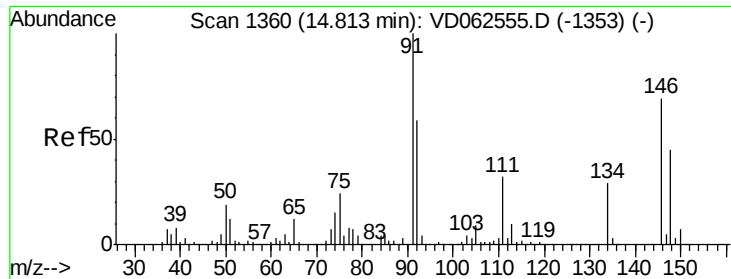
Tot Ion: 91 Resp: 619738
Ion Ratio Lower Upper
91 100
92 58.2 29.8 89.4
134 23.1 11.3 33.8



#90
Hexachloroethane
Concen: 18.355 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion: 117 Resp: 163294
Ion Ratio Lower Upper
117 100
201 64.8 43.8 131.4





#91

1,2-Dichlorobenzene

Concen: 20.683 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

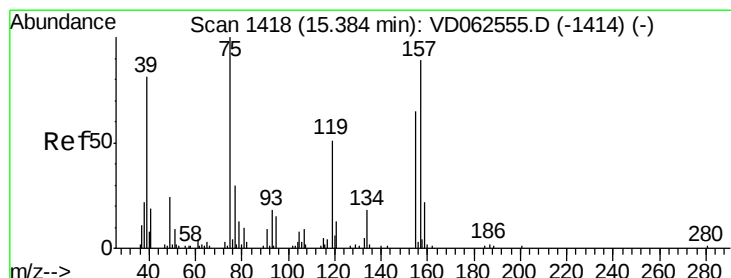
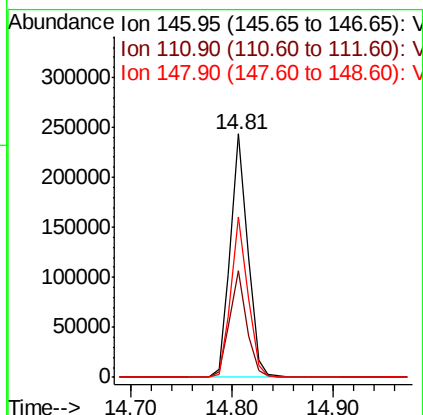
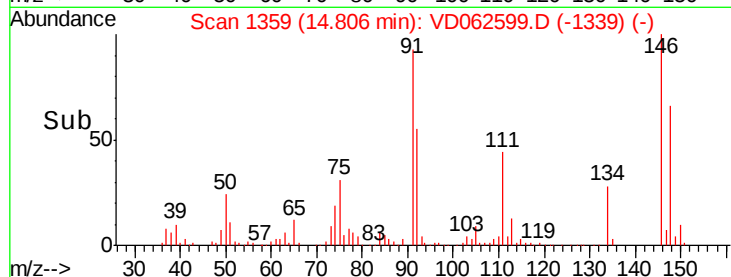
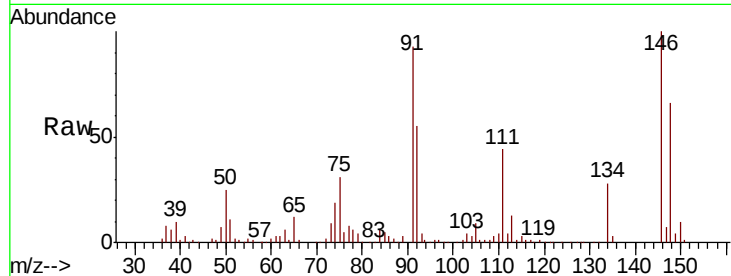
Tot Ion:146 Resp: 293858

Ion Ratio Lower Upper

146 100

111 43.8 22.8 68.4

148 65.7 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.221 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VD062599.D

Acq: 4 Jun 2019 15:44

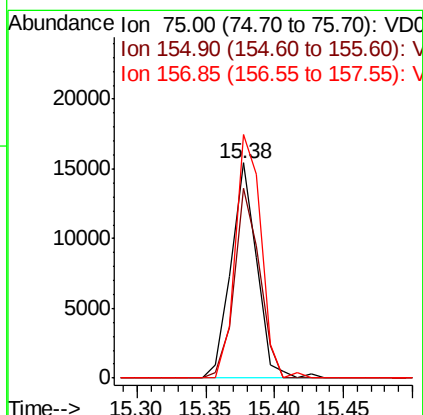
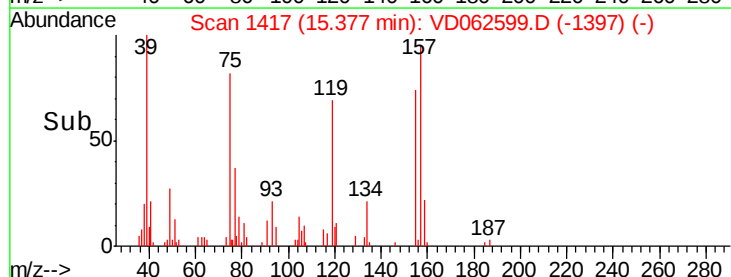
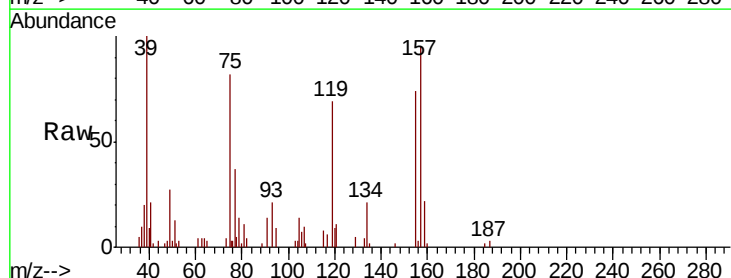
Tgt Ion: 75 Resp: 20124

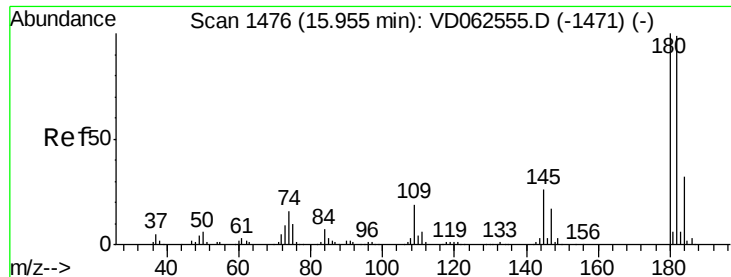
Ion Ratio Lower Upper

75 100

155 88.4 32.6 97.8

157 113.1 44.5 133.7

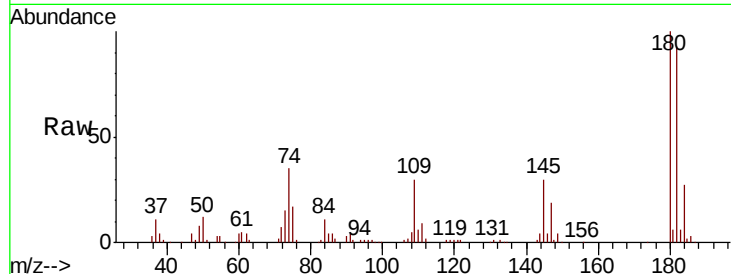




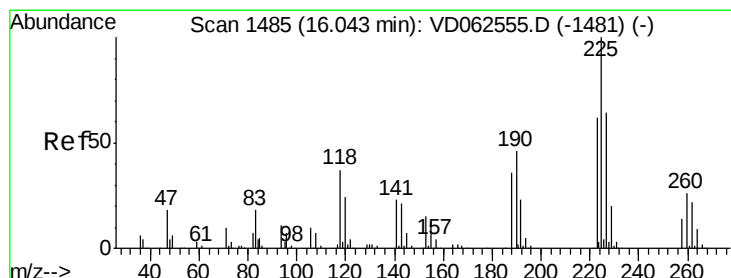
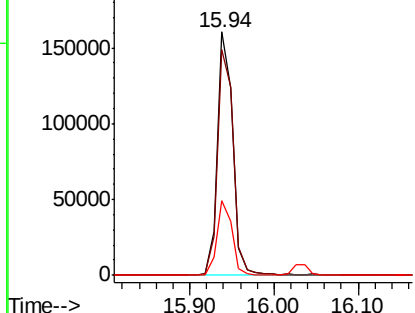
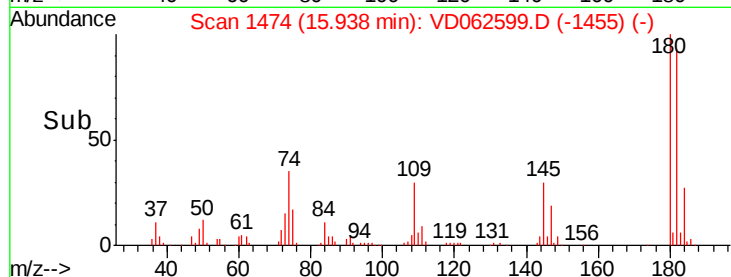
#93
 1,2,4-Trichlorobenzene
 Concen: 17.803 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 202248
 Ion Ratio Lower Upper
 180 100
 182 92.9 49.5 148.3
 145 30.4 13.1 39.3

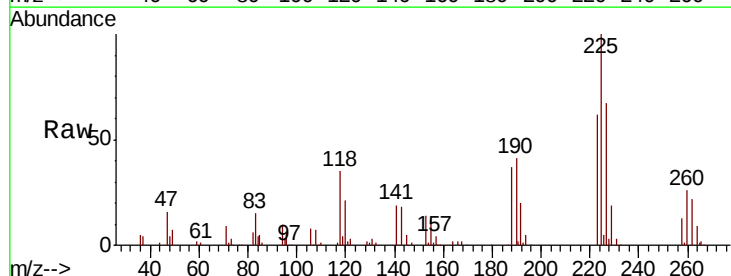


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

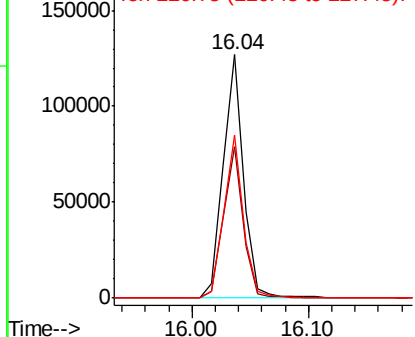
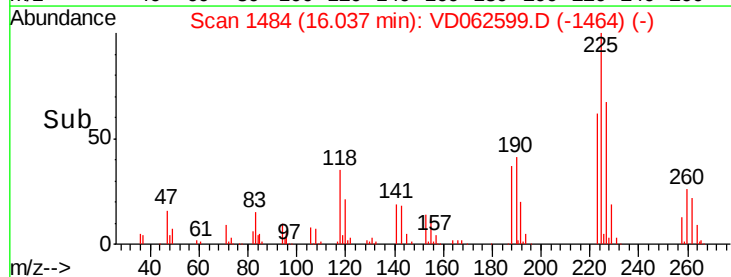


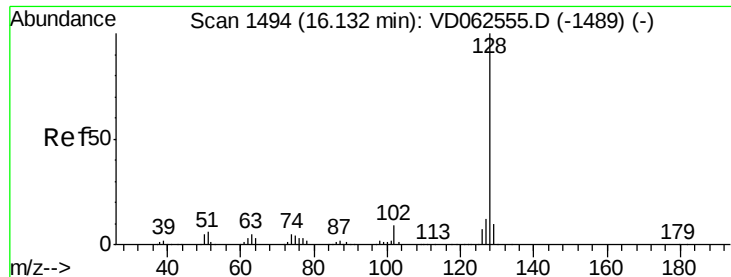
#94
 Hexachlorobutadiene
 Concen: 18.275 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062599.D
 Acq: 4 Jun 2019 15:44

Tgt Ion:225 Resp: 153264
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.1 93.5
 227 66.9 32.1 96.5



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

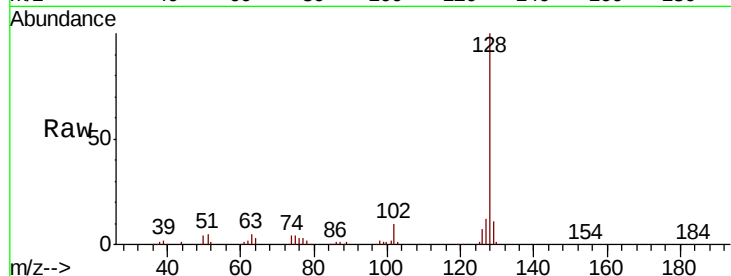




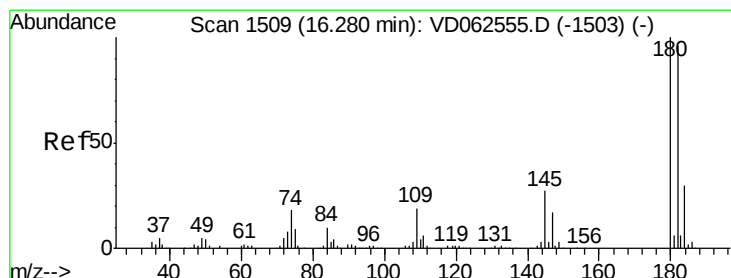
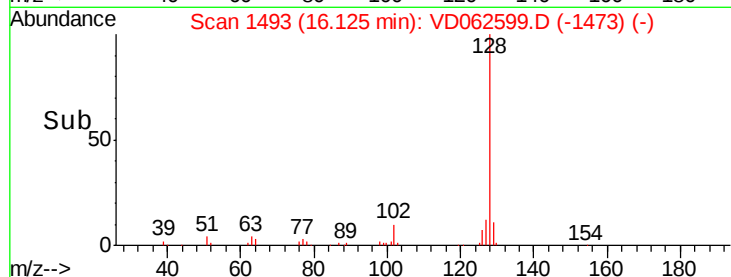
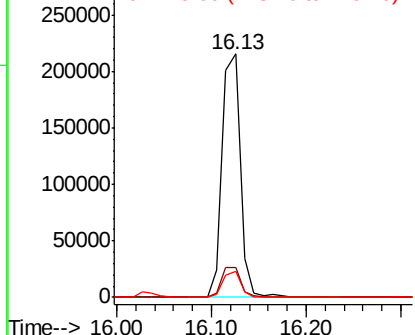
#95
Naphthalene
Concen: 18.668 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:128 Resp: 288816
Ion Ratio Lower Upper
128 100
127 12.0 9.7 14.5
129 10.8 8.2 12.2

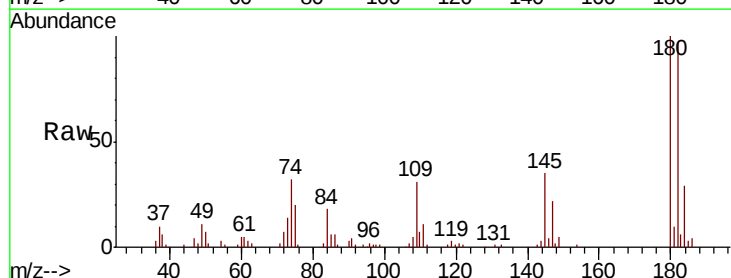


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.214 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.02 min
Lab File: VD062599.D
Acq: 4 Jun 2019 15:44

Tgt Ion:180 Resp: 146084
Ion Ratio Lower Upper
180 100
182 97.0 48.1 144.3
145 34.8 13.3 39.9



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

