

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062434.D
 Acq On : 17 May 2019 12:48
 Operator : FY/SY
 Sample : VD0517SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Quant Time: May 17 13:21:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	621963	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	874763	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	772006	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	408833	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	285227	49.35	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	6.93	113	335443	46.22	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.44%	
50) Toluene-d8	10.42	98	710396	40.60	ug/l	0.02
Spiked Amount	50.000		Recovery	=	81.20%	
62) 4-Bromofluorobenzene	13.56	95	332981	47.38	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	99612	16.746	ug/l	98
3) Chloromethane	1.75	50	66972	15.581	ug/l	98
4) Vinyl Chloride	1.85	62	71386	16.899	ug/l	97
5) Bromomethane	2.14	94	27809	28.095	ug/l	99
6) Chloroethane	2.25	64	28114	15.861	ug/l	94
7) Trichlorofluoromethane	2.53	101	174357	21.230	ug/l	88
8) Diethyl Ether	2.86	74	24130	15.235	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	125754	20.242	ug/l	93
10) Methyl Iodide	3.31	142	120690	12.854	ug/l #	80
11) Tert butyl alcohol	4.09	59	32186	109.092	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	85948	18.123	ug/l	81
13) Acrolein	3.03	56	21530	70.554	ug/l	87
14) Allyl chloride	3.62	41	134556	19.514	ug/l #	87
15) Acrylonitrile	4.19	53	78764	101.567	ug/l	95
16) Acetone	3.23	43	146071	120.508	ug/l #	85
17) Carbon Disulfide	3.37	76	190987	14.000	ug/l #	93
18) Methyl Acetate	3.64	43	45529	20.825	ug/l #	85
19) Methyl tert-butyl Ether	4.24	73	220047	21.648	ug/l	94
20) Methylene Chloride	3.81	84	97959	19.355	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	96557	18.297	ug/l	91
22) Diisopropyl ether	5.13	45	283988	19.354	ug/l	96
23) Vinyl Acetate	5.06	43	856287	110.607	ug/l	98
24) 1,1-Dichloroethane	4.99	63	184381	20.830	ug/l	99
25) 2-Butanone	6.08	43	149869	113.354	ug/l	92
26) 2,2-Dichloropropane	6.02	77	201176	22.816	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	112331	19.017	ug/l	91
28) Bromochloromethane	6.44	49	85019	24.412	ug/l	84
29) Tetrahydrofuran	6.46	42	61826	101.490	ug/l	97
30) Chloroform	6.67	83	236787	22.196	ug/l	99
31) Cyclohexane	6.96	56	107492	17.725	ug/l	92
32) 1,1,1-Trichloroethane	6.88	97	220131	21.831	ug/l	98
36) 1,1-Dichloropropene	7.15	75	140961	19.654	ug/l	97
37) Ethyl Acetate	6.19	43	67328	22.135	ug/l #	90
38) Carbon Tetrachloride	7.11	117	215555	21.714	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	122723	17.859	ug/l	89
40) Benzene	7.46	78	303792	18.758	ug/l	100
41) Methacrylonitrile	6.45	41	81256	21.860	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	153403	22.356	ug/l	93
43) Isopropyl Acetate	9.25	43	87985	20.396	ug/l	95
44) Trichloroethene	8.55	130	116954	18.951	ug/l	80
45) 1,2-Dichloropropane	8.95	63	74455	18.586	ug/l	93
46) Dibromomethane	9.07	93	63623	19.530	ug/l #	77
47) Bromodichloromethane	9.39	83	168498	21.146	ug/l	98
48) Methyl methacrylate	9.13	41	57373	21.592	ug/l	87
49) 1,4-Dioxane	9.09	88	9680	337.651	ug/l #	77
51) 4-Methyl-2-Pentanone	10.31	43	310525	111.986	ug/l	97
52) Toluene	10.52	92	193275	18.341	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	144387	20.966	ug/l	95
54) cis-1,3-Dichloropropene	10.05	75	153374	20.414	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	78499	21.054	ug/l	95
56) Ethyl methacrylate	11.05	69	77302	19.952	ug/l #	80
57) 1,3-Dichloropropane	11.41	76	120221	21.343	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	245093	115.810	ug/l	98
59) 2-Hexanone	11.54	43	218126	106.729	ug/l	93
60) Dibromochloromethane	11.69	129	133690	20.748	ug/l	99
61) 1,2-Dibromoethane	11.82	107	86012	18.975	ug/l	91
64) Tetrachloroethene	11.27	164	104595	17.326	ug/l	94
65) Chlorobenzene	12.41	112	284843	19.810	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	124620	19.914	ug/l	93
67) Ethyl Benzene	12.54	91	465219	19.326	ug/l	95
68) m/p-Xylenes	12.67	106	319307	36.459	ug/l	84
69) o-Xylene	13.06	106	159775	19.623	ug/l	76
70) Styrene	13.08	104	241039	17.475	ug/l #	89
71) Bromoform	13.24	173	82037	18.843	ug/l #	96
73) Isopropylbenzene	13.41	105	476714	19.452	ug/l	97
74) N-amyl acetate	13.27	43	121965	18.982	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	89683	19.331	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	93969	19.341	ug/l	100
77) Bromobenzene	13.68	156	132930	19.377	ug/l	93
78) n-propylbenzene	13.79	91	562488	19.241	ug/l	98
79) 2-Chlorotoluene	13.84	91	337851	20.179	ug/l	86
80) 1,3,5-Trimethylbenzene	13.94	105	385154	18.664	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	26108	19.034	ug/l #	86
82) 4-Chlorotoluene	13.95	91	385643	19.574	ug/l	84
83) tert-Butylbenzene	14.20	119	457904	19.741	ug/l	96
84) 1,2,4-Trimethylbenzene	14.25	105	402432	19.433	ug/l	93
85) sec-Butylbenzene	14.38	105	516467	20.308	ug/l	98
86) p-Isopropyltoluene	14.49	119	428305	18.850	ug/l	92
87) 1,3-Dichlorobenzene	14.46	146	238636	19.042	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	216319	17.567	ug/l	99
89) n-Butylbenzene	14.81	91	402403	19.731	ug/l	97
90) Hexachloroethane	15.02	117	122977	19.902	ug/l	88
91) 1,2-Dichlorobenzene	14.82	146	211950	20.536	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15840	20.799	ug/l	73

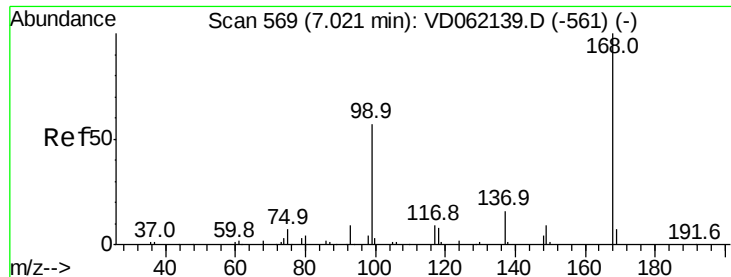
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051719\
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	159861	21.280	ug/l	97
94) Hexachlorobutadiene	16.05	225	117128	20.963	ug/l	99
95) Naphthalene	16.13	128	223273	21.288	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	123949	26.242	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

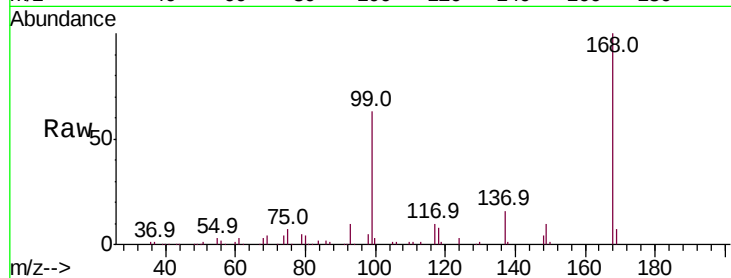
VD0517SBS01

Tot Ion:168 Resp: 621963

Ion Ratio Lower Upper

168 100

99 62.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

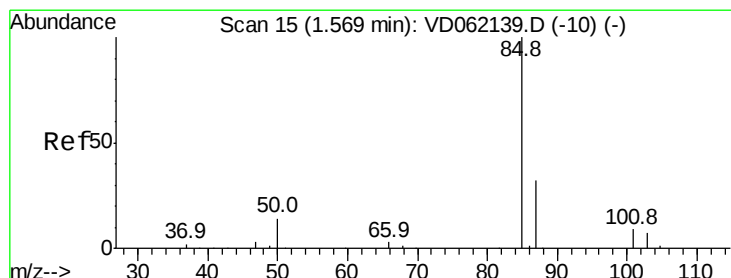
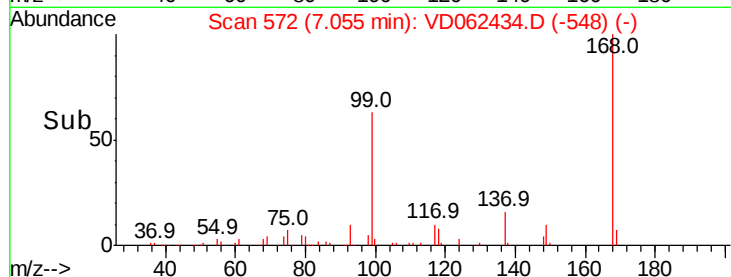
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 16.746 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062434.D

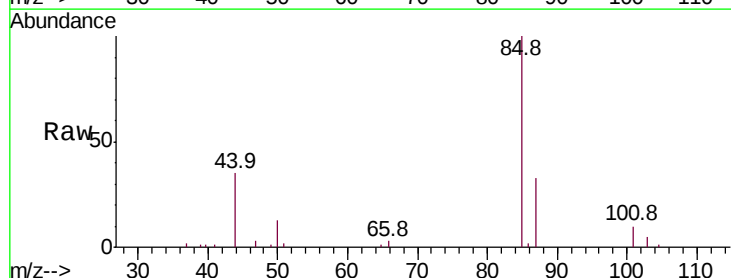
Acq: 17 May 2019 12:48

Tgt Ion: 85 Resp: 99612

Ion Ratio Lower Upper

85 100

87 33.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

50000

40000

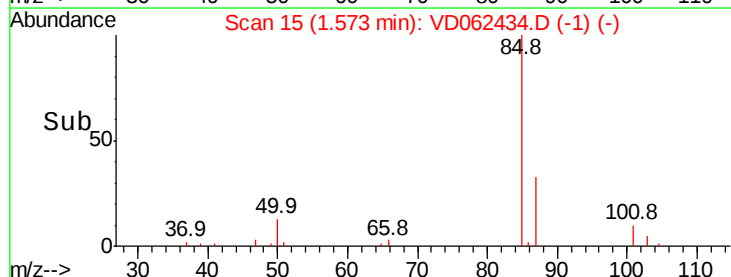
30000

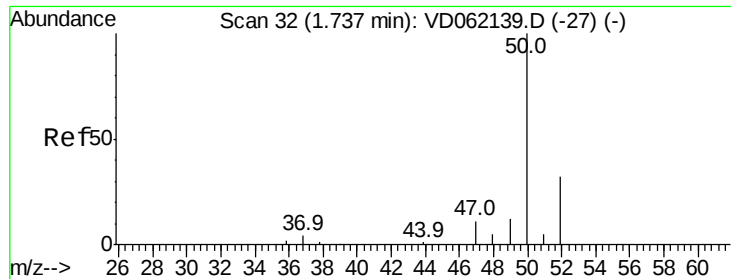
20000

10000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 15.581 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

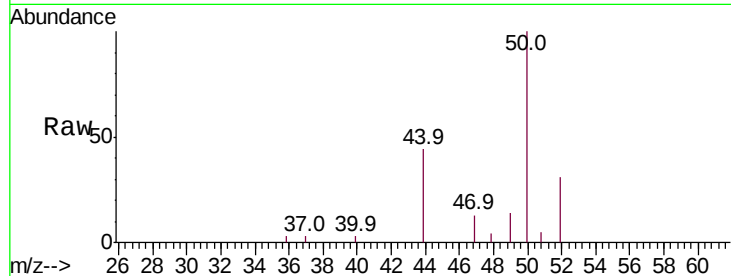
VD0517SBS01

Tot Ion: 50 Resp: 66972

Ion Ratio Lower Upper

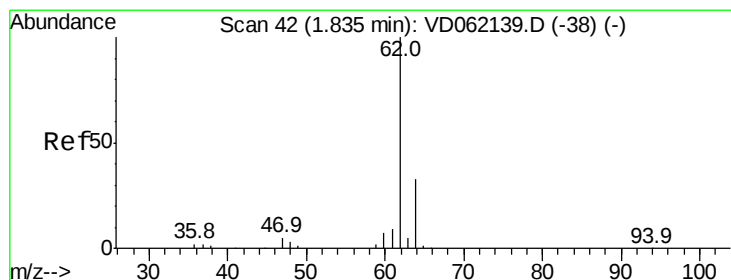
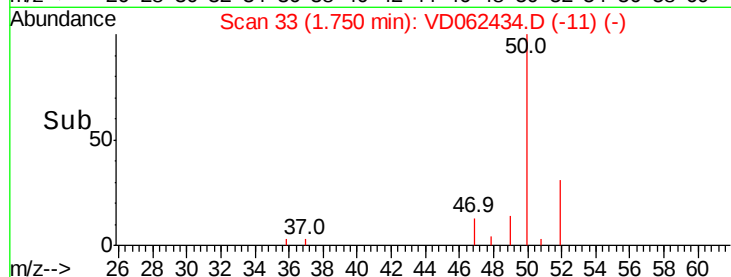
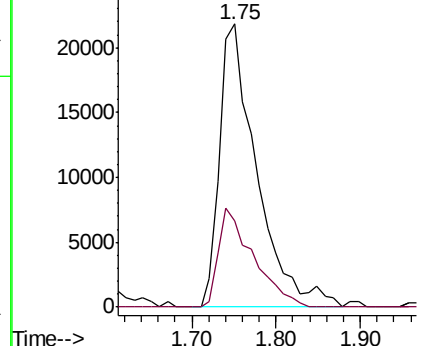
50 100

52 30.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.899 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062434.D

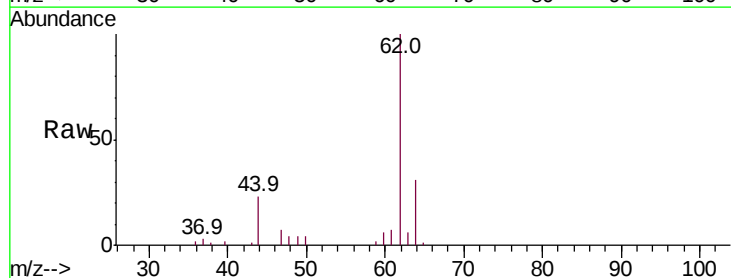
Acq: 17 May 2019 12:48

Tgt Ion: 62 Resp: 71386

Ion Ratio Lower Upper

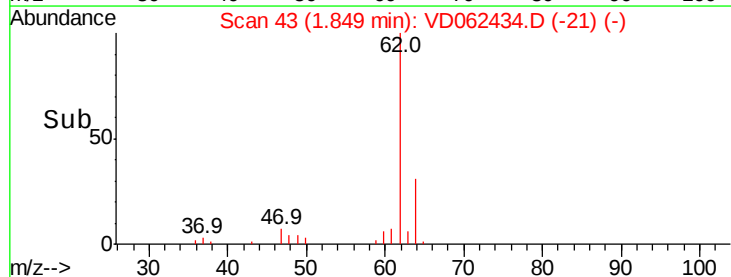
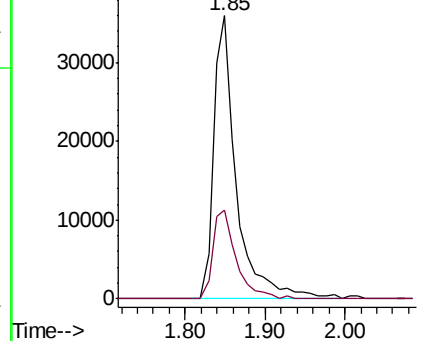
62 100

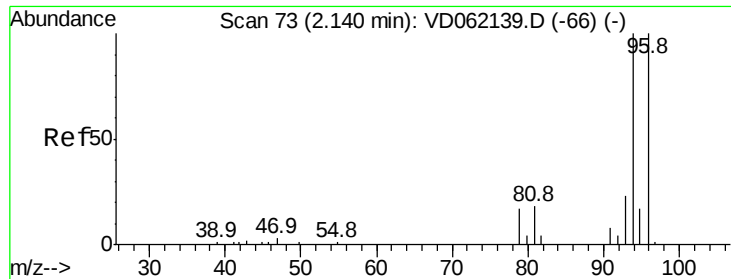
64 31.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 28.095 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

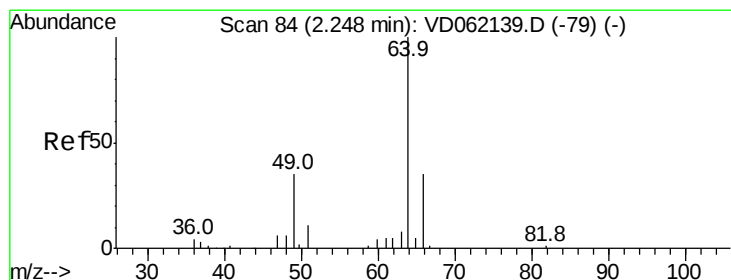
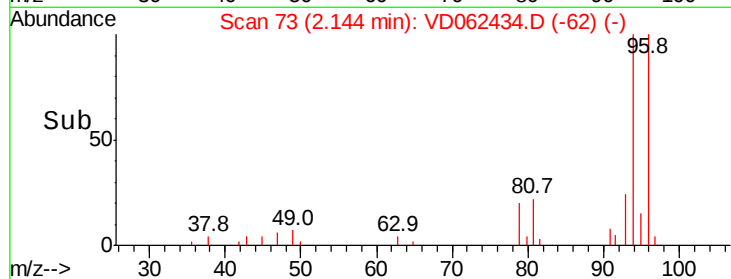
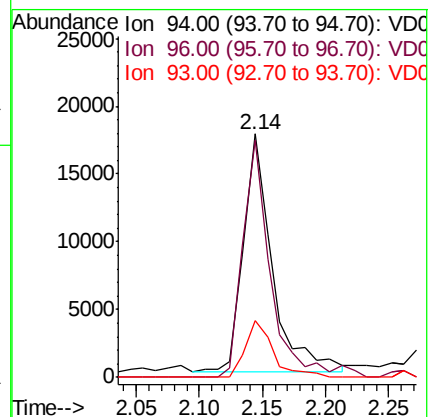
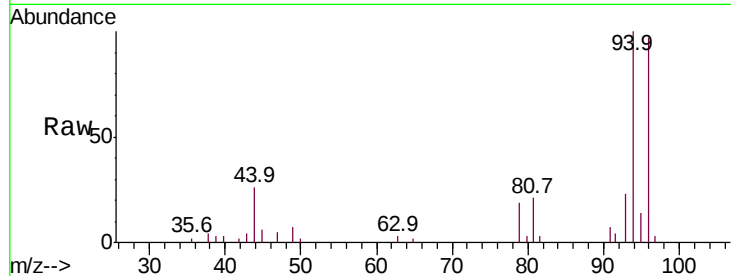
Tot Ion: 94 Resp: 27809

Ion Ratio Lower Upper

94 100

96 97.5 76.6 115.0

93 23.1 18.5 27.7



#6

Chloroethane

Concen: 15.861 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VD062434.D

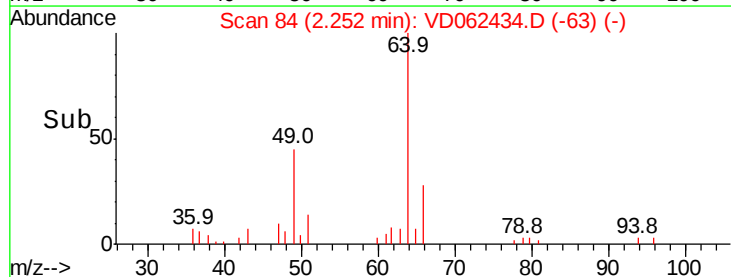
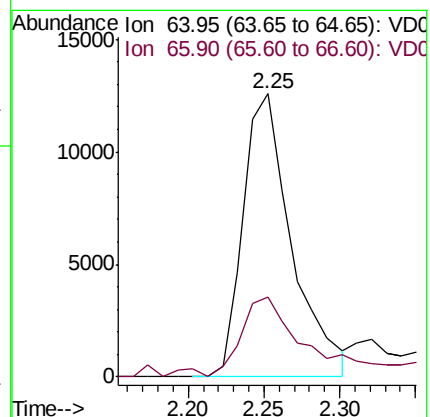
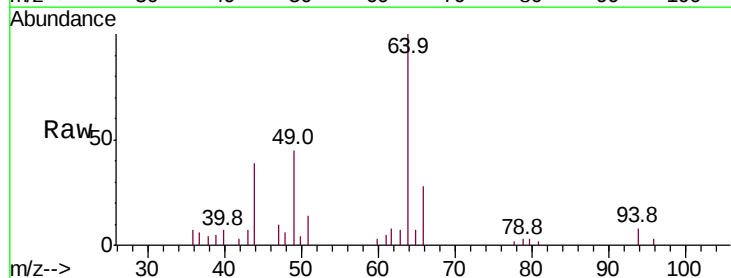
Acq: 17 May 2019 12:48

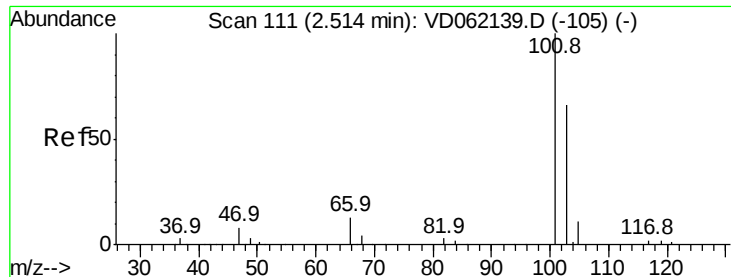
Tgt Ion: 64 Resp: 28114

Ion Ratio Lower Upper

64 100

66 28.4 25.6 38.4



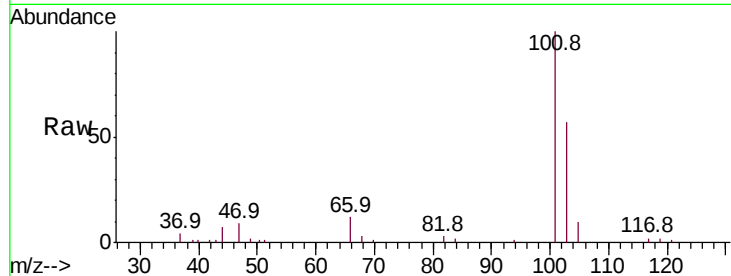


#7

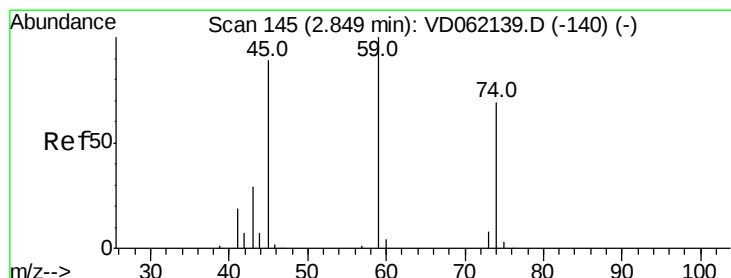
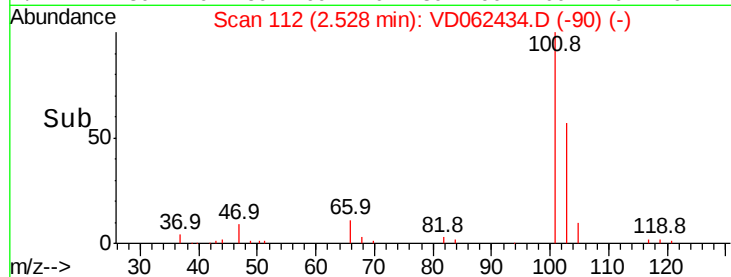
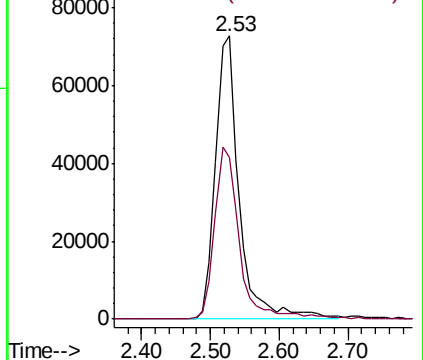
Trichlorofluoromethane
 Concen: 21.230 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Tot Ion:101 Resp: 174357
 Ion Ratio Lower Upper
 101 100
 103 57.3 53.6 80.4



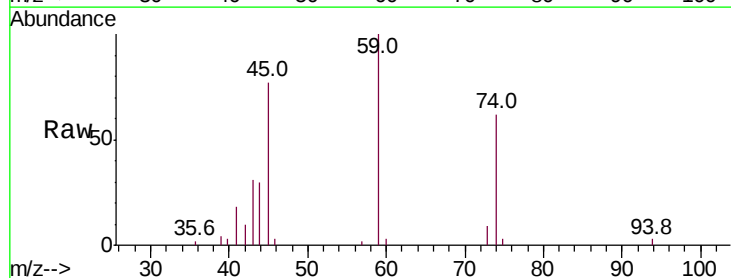
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



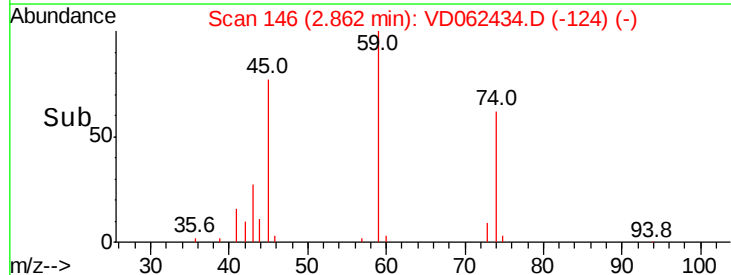
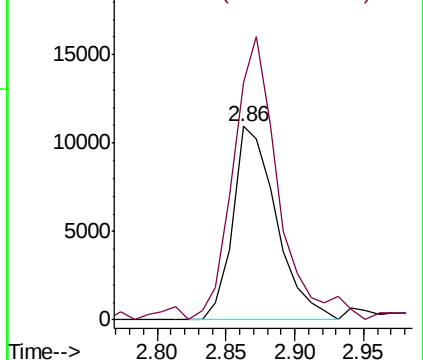
#8

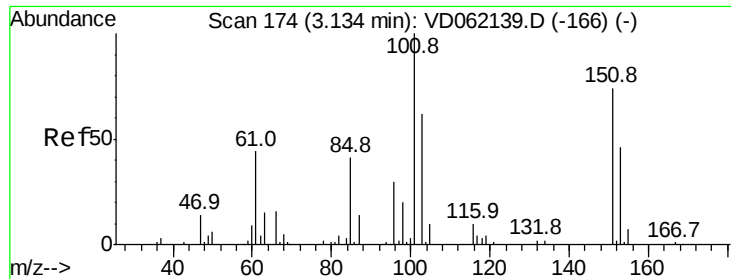
Diethyl Ether
 Concen: 15.235 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.01 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Tgt Ion: 74 Resp: 24130
 Ion Ratio Lower Upper
 74 100
 45 128.1 56.9 170.7



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: 20.242 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

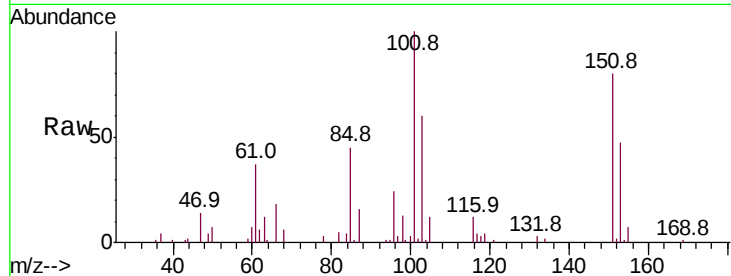
Tot Ion:101 Resp: 125754

Ion Ratio Lower Upper

101 100

85 44.6 32.4 48.6

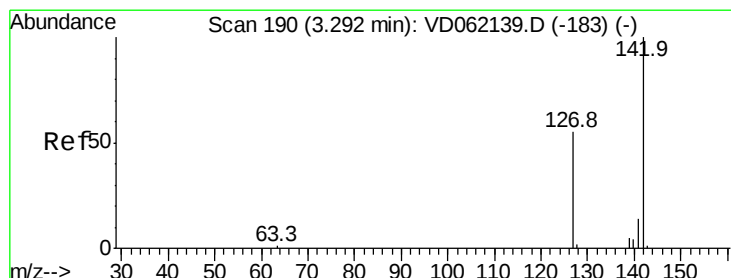
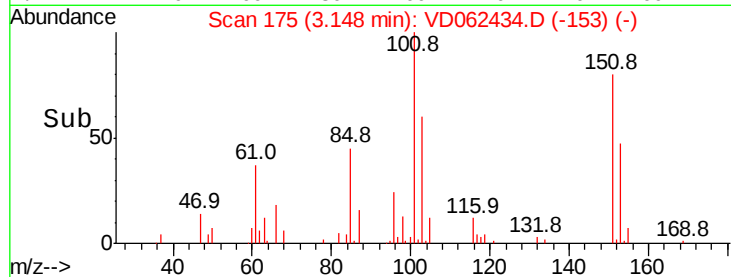
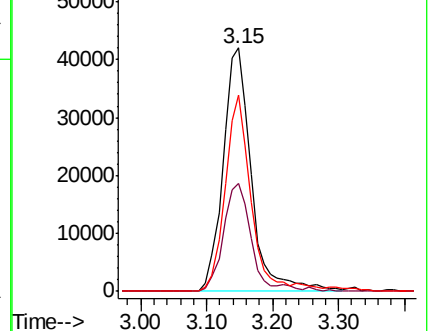
151 80.5 59.4 89.0



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: 12.854 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

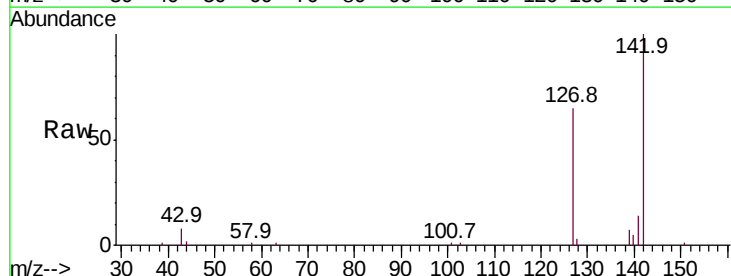
Tgt Ion:142 Resp: 120690

Ion Ratio Lower Upper

142 100

127 65.4 38.8 58.2#

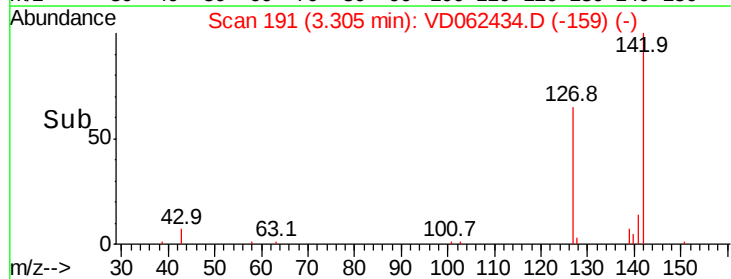
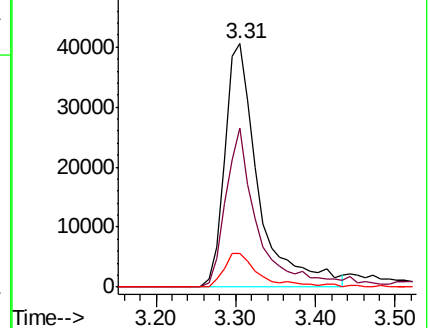
141 13.6 11.4 17.0

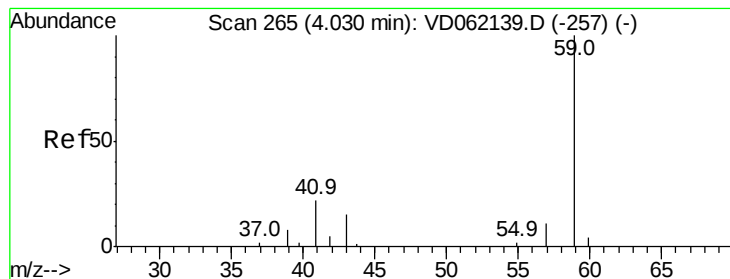


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



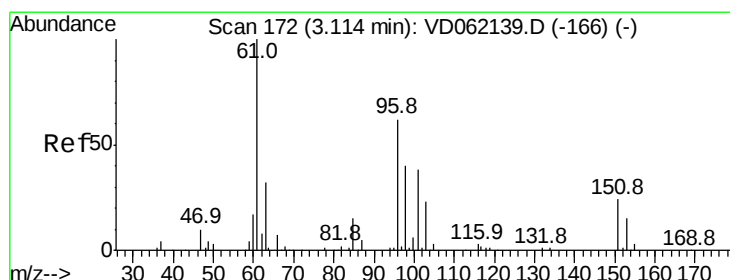
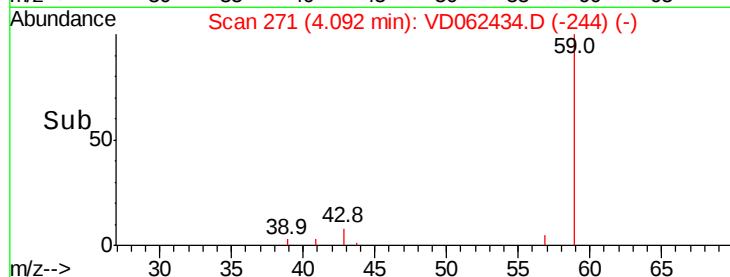
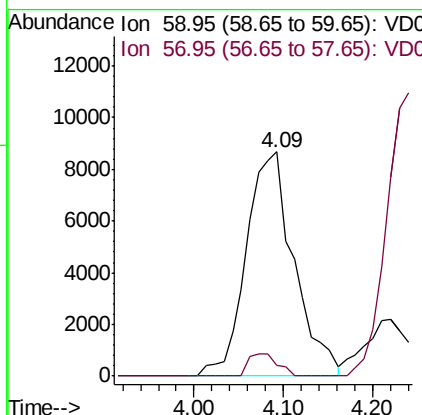
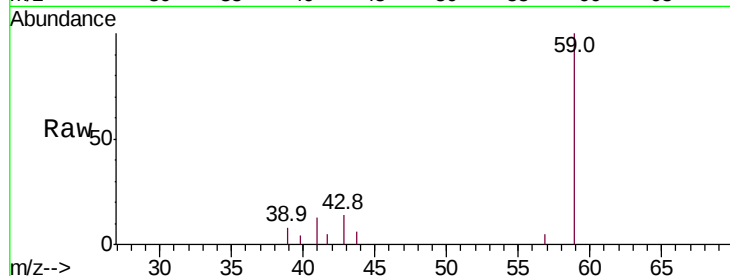


#11

Tert butyl alcohol
 Concen: 109.092 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.06 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

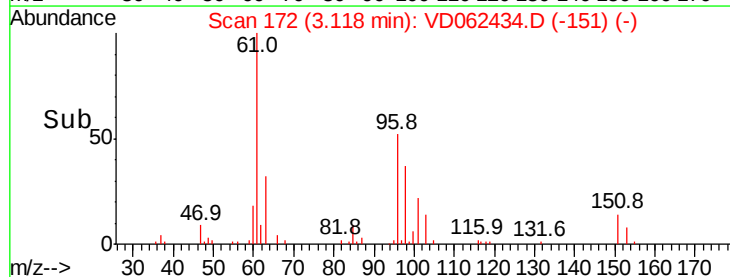
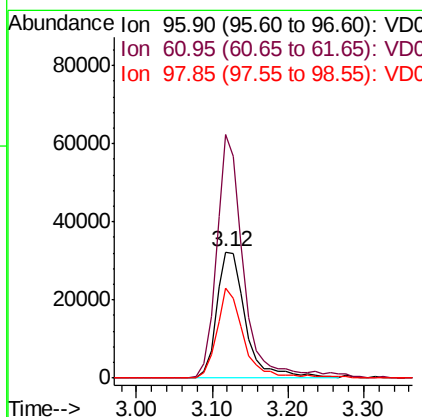
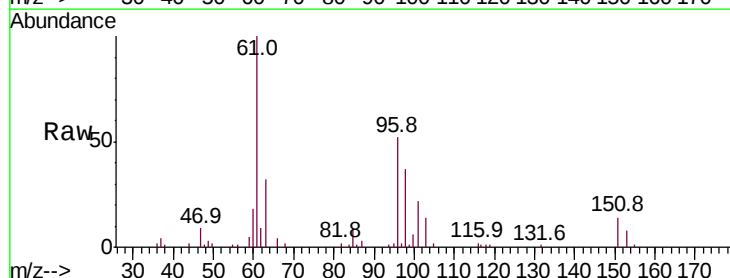
Tot Ion: 59 Resp: 32186
 Ion Ratio Lower Upper
 59 100
 57 4.8 6.9 10.3#

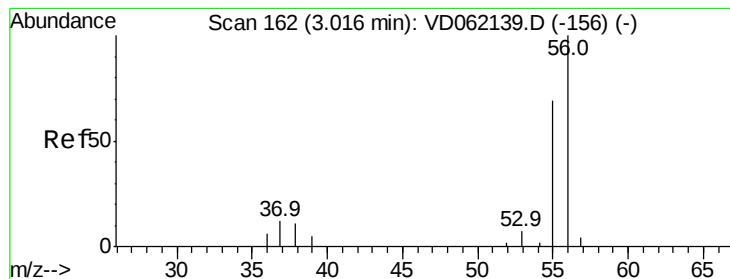


#12

1,1-Dichloroethene
 Concen: 18.123 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Tgt Ion: 96 Resp: 85948
 Ion Ratio Lower Upper
 96 100
 61 192.7 129.8 194.8
 98 71.6 51.2 76.8





#13

Acrolein

Concen: 70.554 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

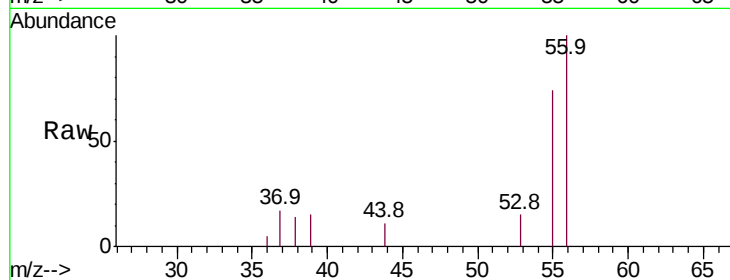
VD0517SBS01

Tot Ion: 56 Resp: 21530

Ion Ratio Lower Upper

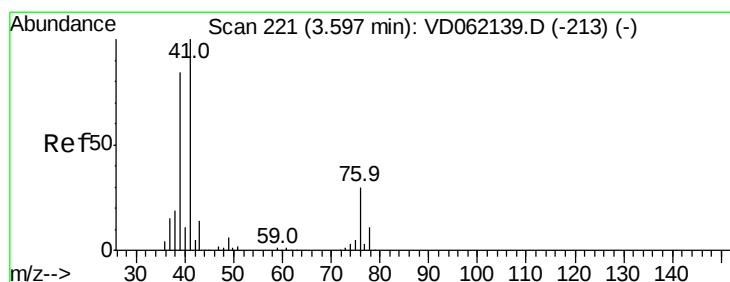
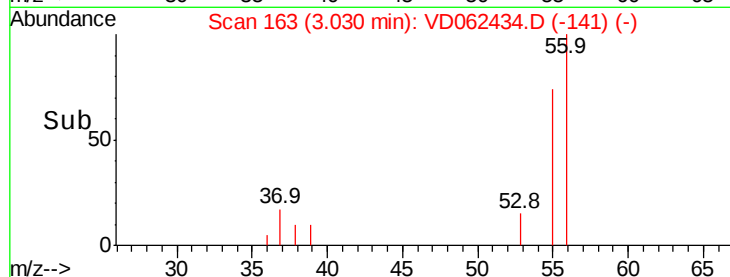
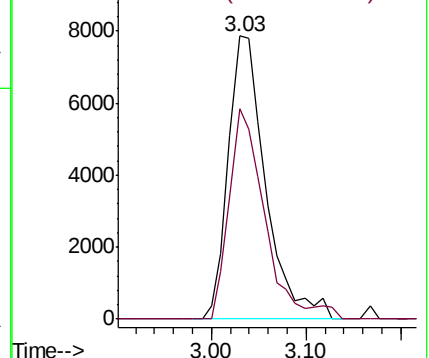
56 100

55 74.3 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.514 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

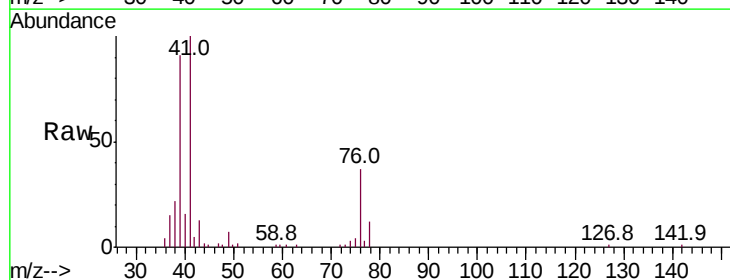
Tgt Ion: 41 Resp: 134556

Ion Ratio Lower Upper

41 100

39 90.7 60.5 90.7#

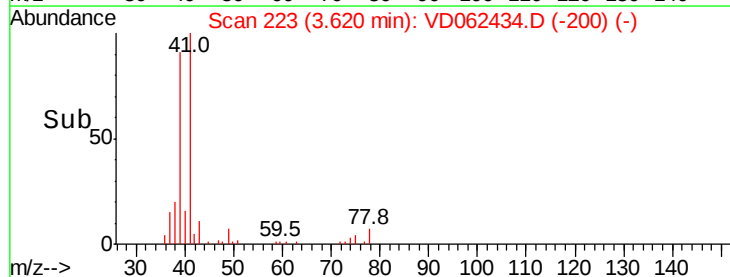
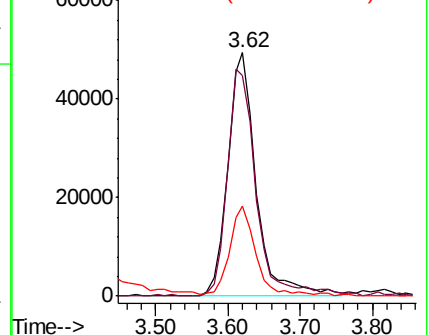
76 36.7 31.8 47.8

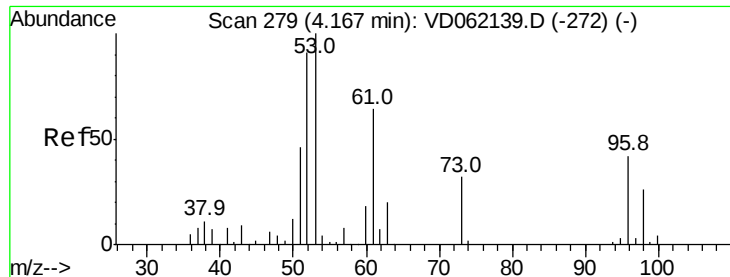


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.567 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

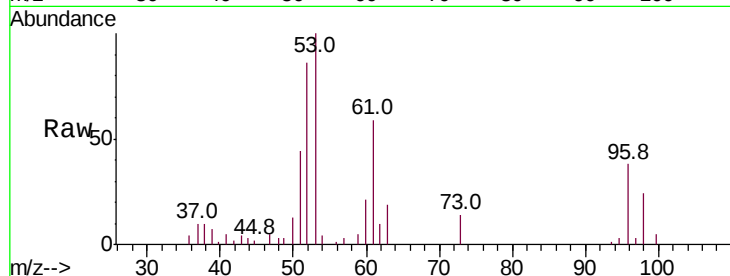
Tot Ion: 53 Resp: 78764

Ion Ratio Lower Upper

53 100

52 85.8 65.0 97.4

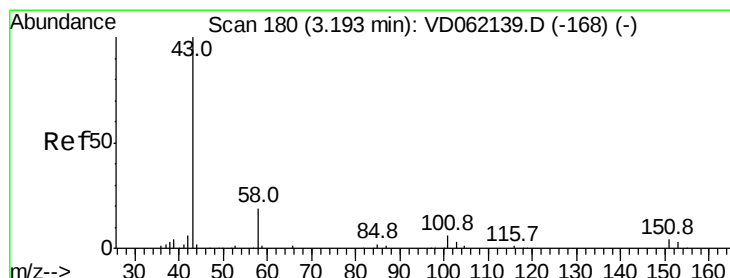
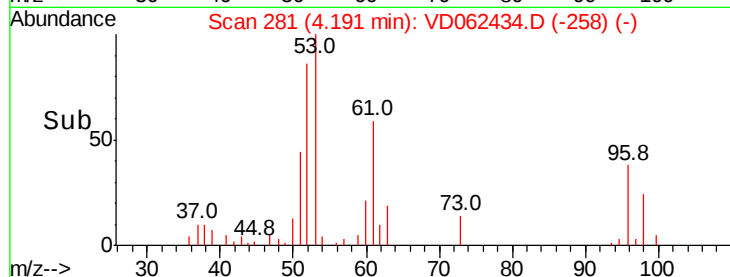
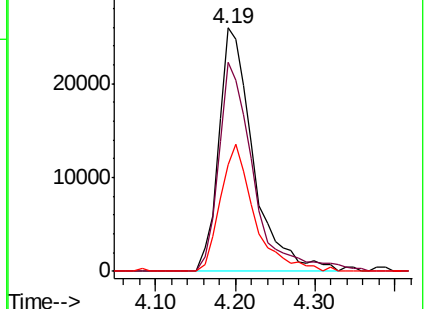
51 43.7 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 120.508 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062434.D

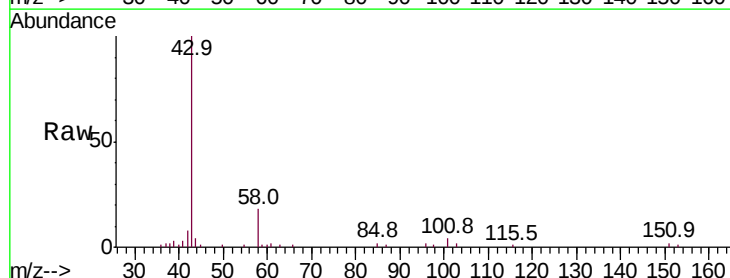
Acq: 17 May 2019 12:48

Tgt Ion: 43 Resp: 146071

Ion Ratio Lower Upper

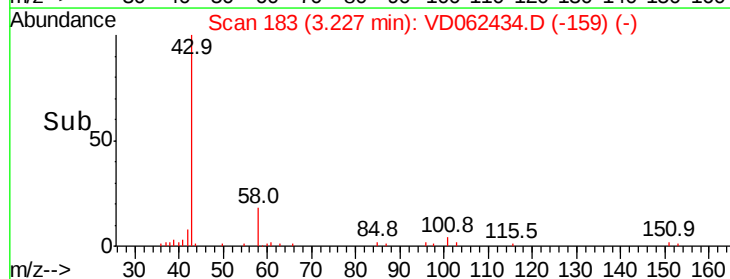
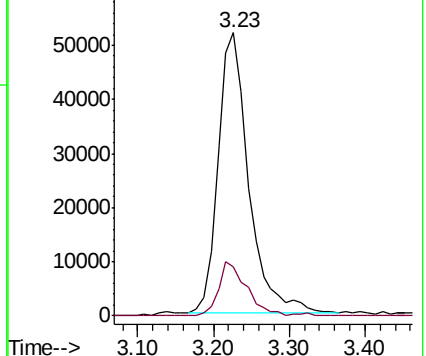
43 100

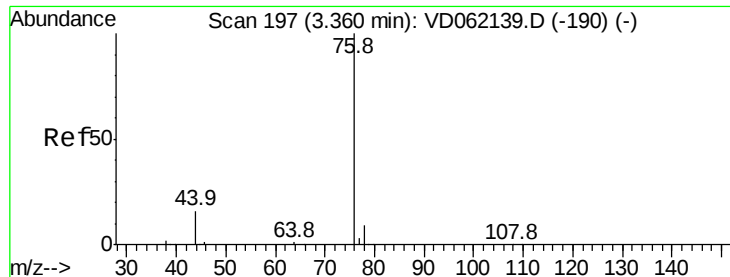
58 17.6 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 14.000 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

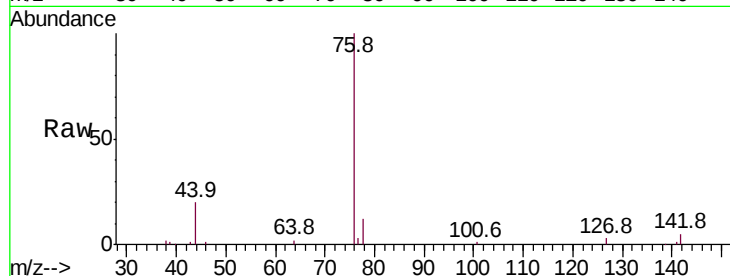
VD0517SBS01

Tot Ion: 76 Resp: 190987

Ion Ratio Lower Upper

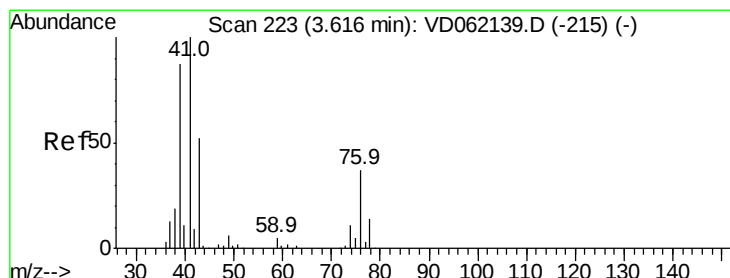
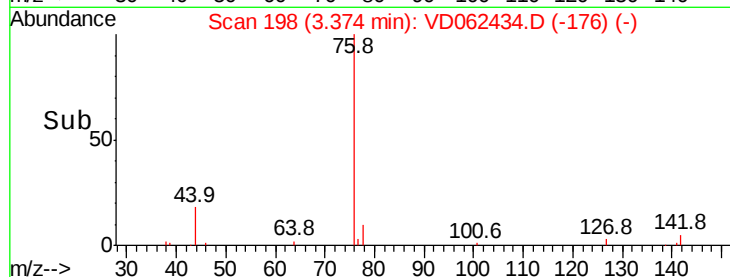
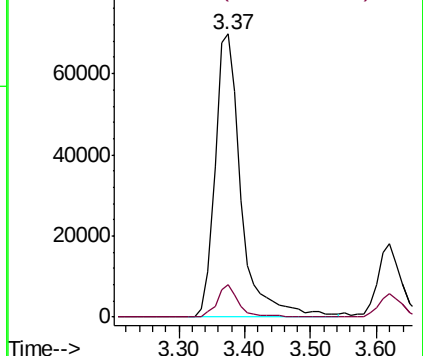
76 100

78 11.6 7.2 10.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 20.825 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD062434.D

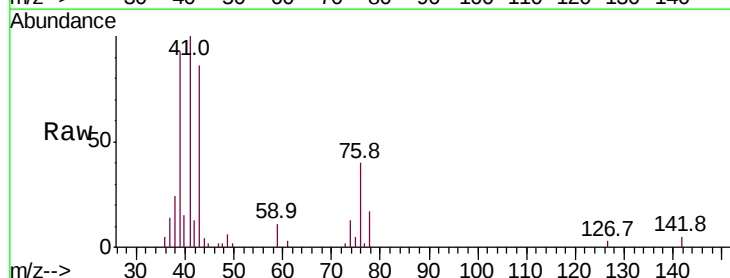
Acq: 17 May 2019 12:48

Tgt Ion: 43 Resp: 45529

Ion Ratio Lower Upper

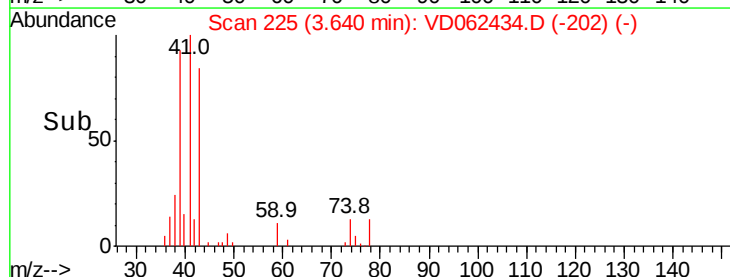
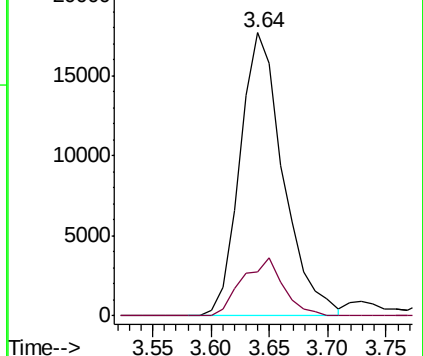
43 100

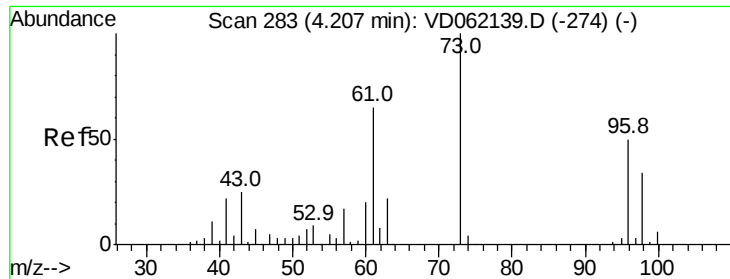
74 15.4 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

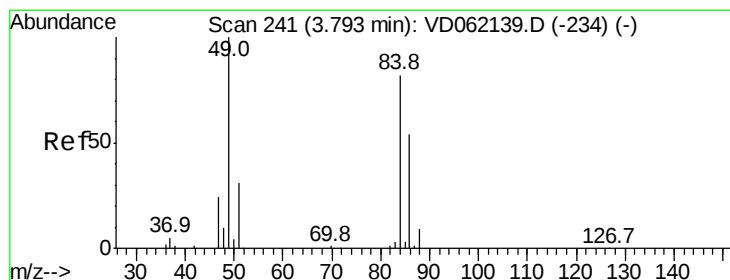
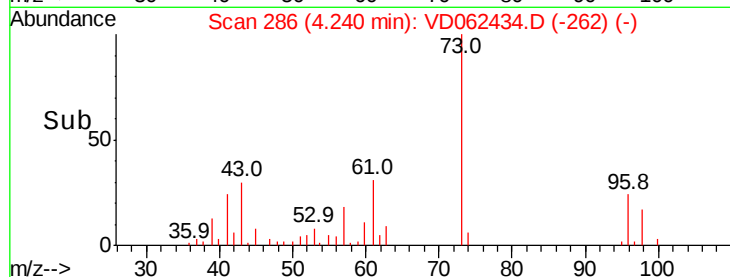
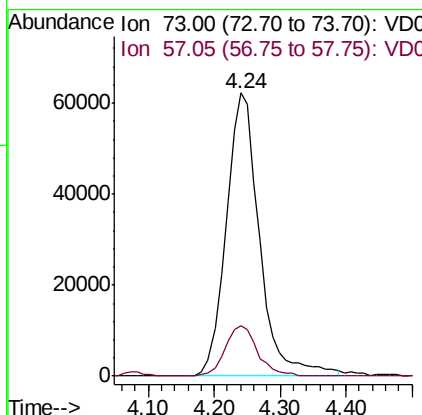
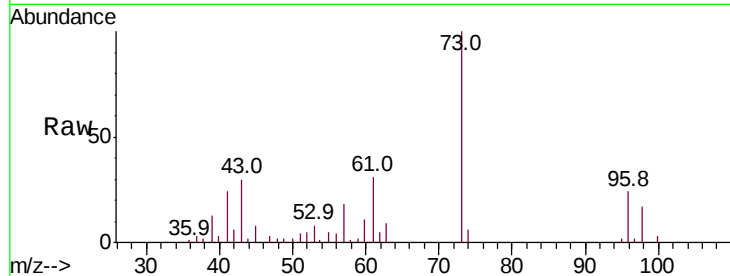




#19
Methyl tert-butyl Ether
Concen: 21.648 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

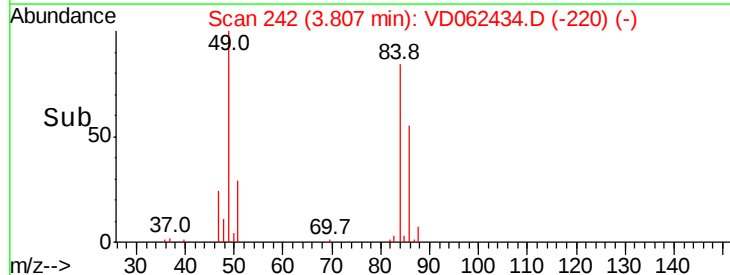
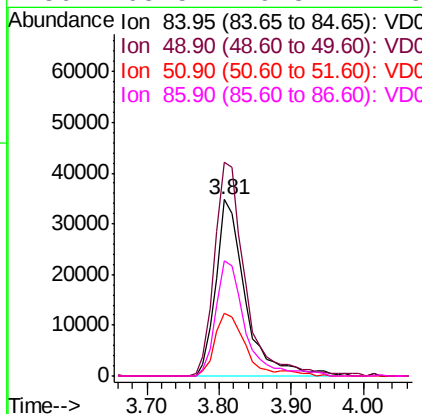
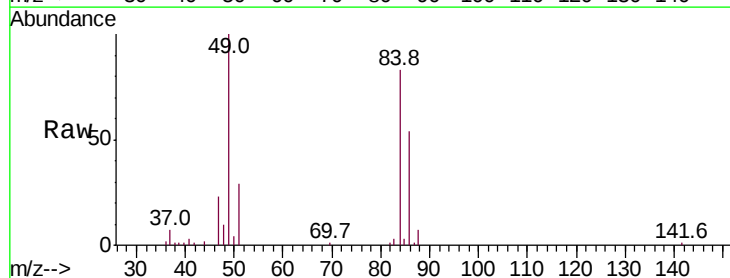
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

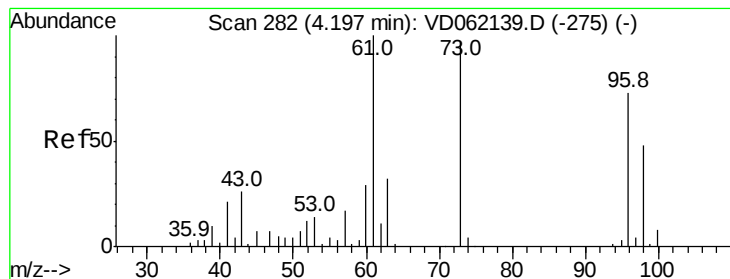
Tot Ion: 73 Resp: 220047
Ion Ratio Lower Upper
73 100
57 17.6 16.3 24.5



#20
Methylene Chloride
Concen: 19.355 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 84 Resp: 97959
Ion Ratio Lower Upper
84 100
49 121.2 94.0 141.0
51 35.5 29.0 43.4
86 65.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.297 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

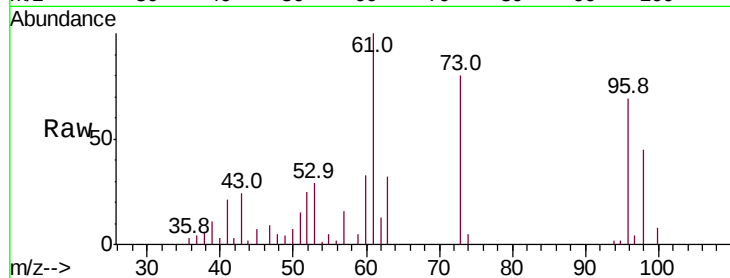
Tot Ion: 96 Resp: 96557

Ion Ratio Lower Upper

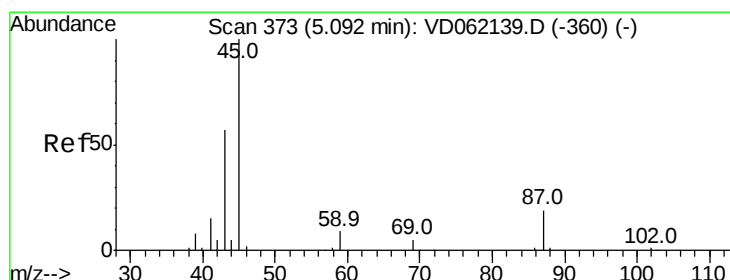
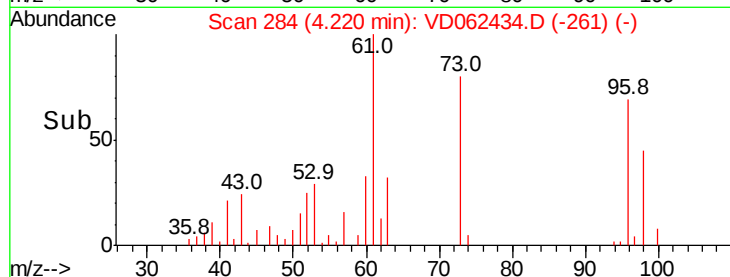
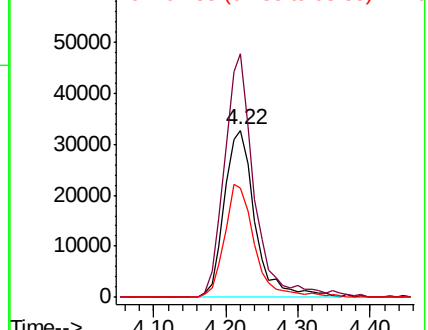
96 100

61 145.7 104.4 156.6

98 65.2 51.8 77.8



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



#22

Diisopropyl ether

Concen: 19.354 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Tgt Ion: 45 Resp: 283988

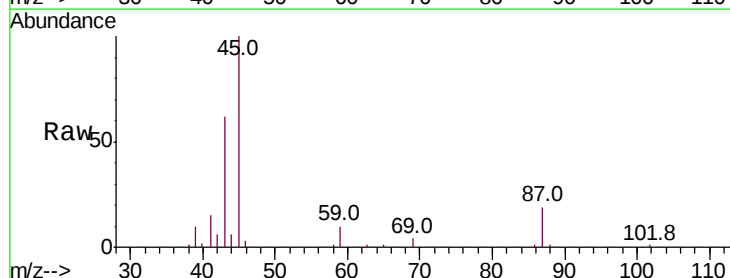
Ion Ratio Lower Upper

45 100

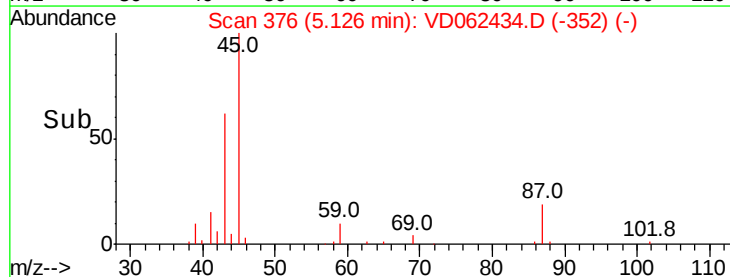
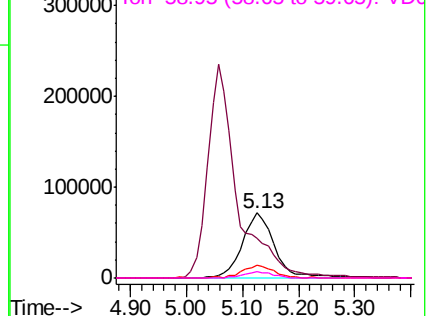
43 62.2 46.2 69.2

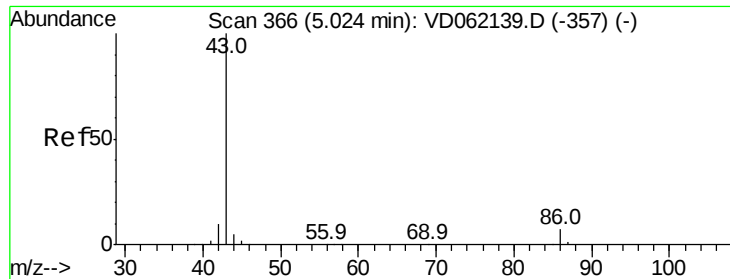
87 19.5 15.9 23.9

59 9.7 7.9 11.9



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

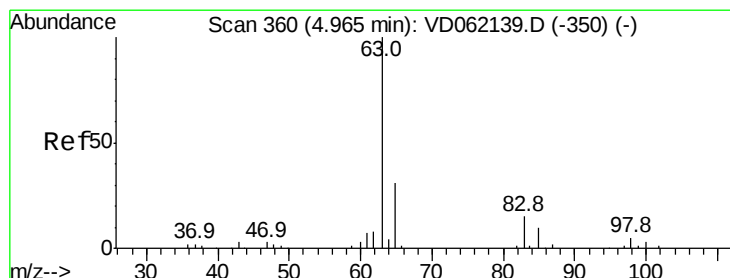
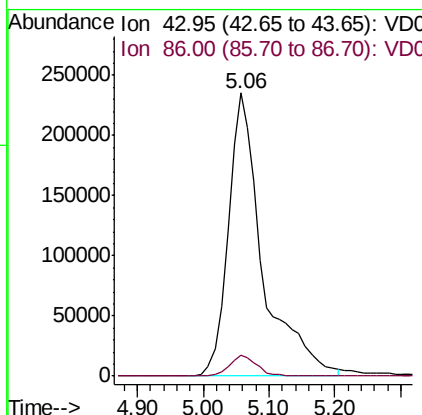
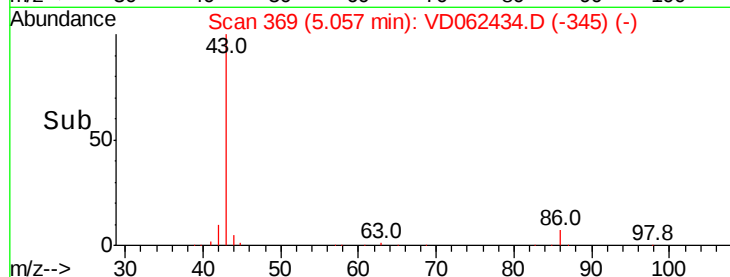
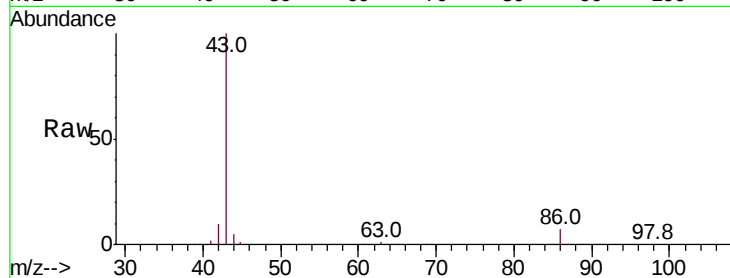




#23
Vinyl Acetate
Concen: 110.607 ug/l
RT: 5.06 min Scan# 369
Delta R.T. 0.03 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

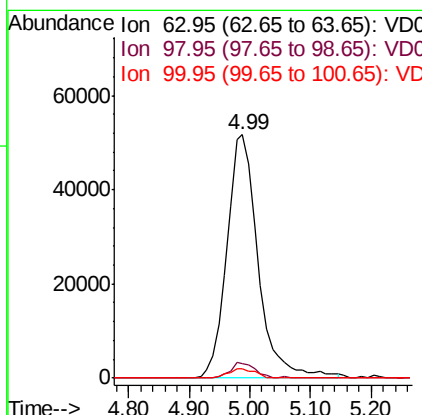
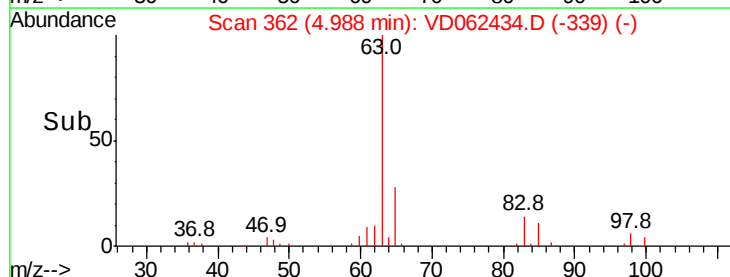
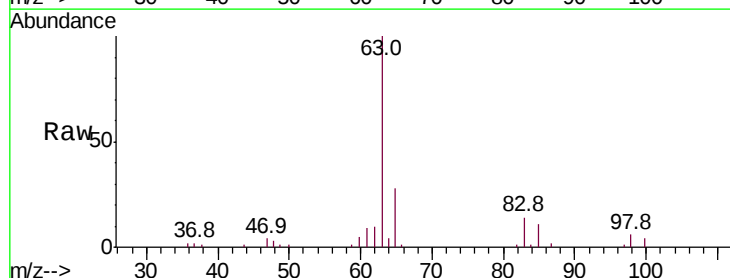
Instrument :
MSVOA_D
ClientSampleID :
VD0517SBS01

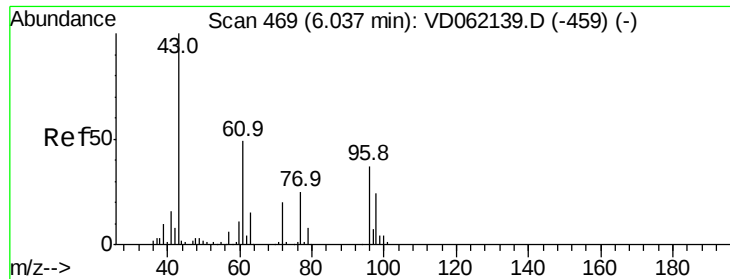
Tot Ion: 43 Resp: 856287
Ion Ratio Lower Upper
43 100
86 7.4 6.4 9.6



#24
1,1-Dichloroethane
Concen: 20.830 ug/l
RT: 4.99 min Scan# 362
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 63 Resp: 184381
Ion Ratio Lower Upper
63 100
98 6.1 2.8 8.4
100 3.7 1.8 5.5





#25

2-Butanone

Concen: 113.354 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

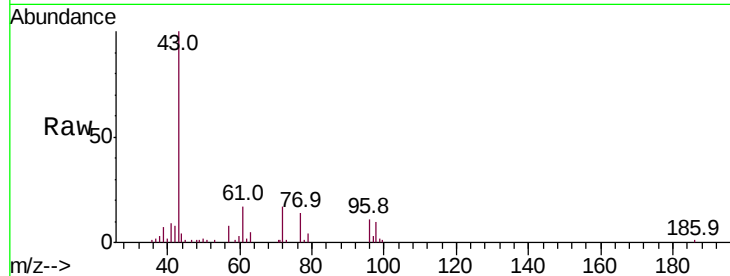
VD0517SBS01

Tot Ion: 43 Resp: 149869

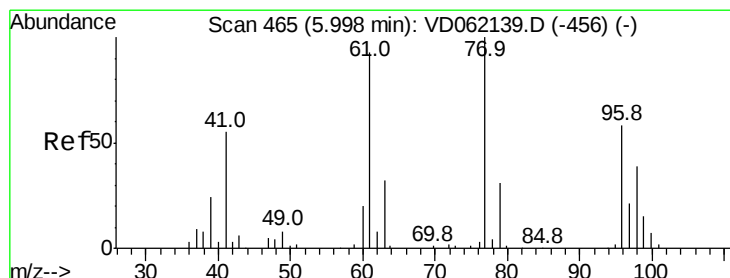
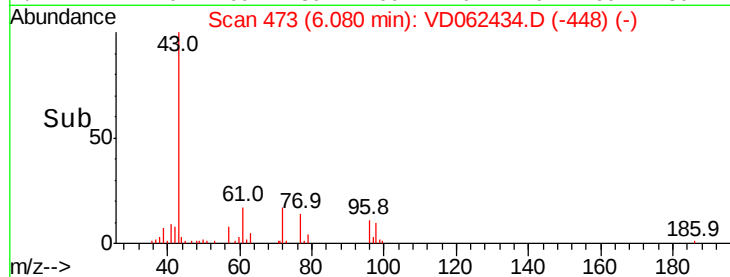
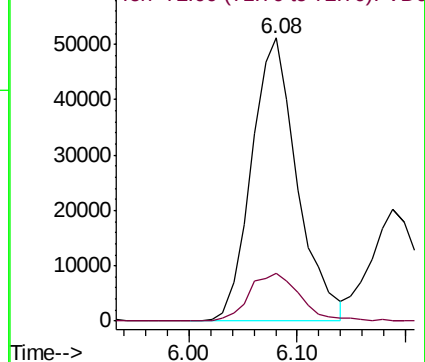
Ion Ratio Lower Upper

43 100

72 16.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.816 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD062434.D

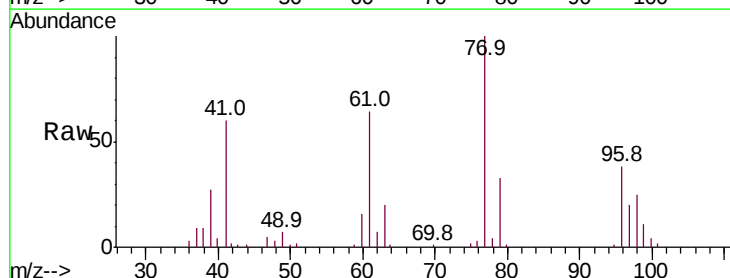
Acq: 17 May 2019 12:48

Tgt Ion: 77 Resp: 201176

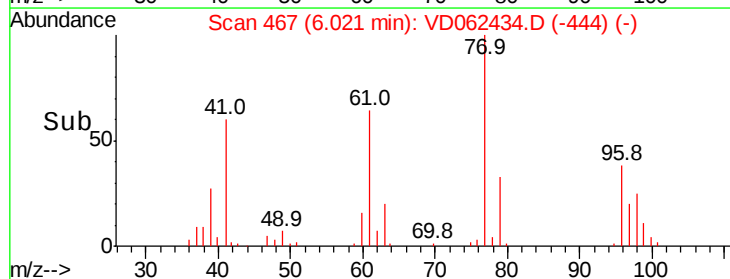
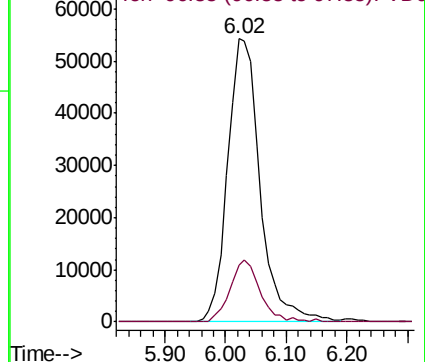
Ion Ratio Lower Upper

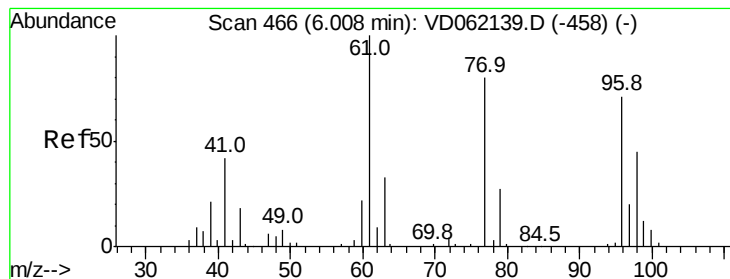
77 100

97 20.1 11.9 35.9



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: 19.017 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.03 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

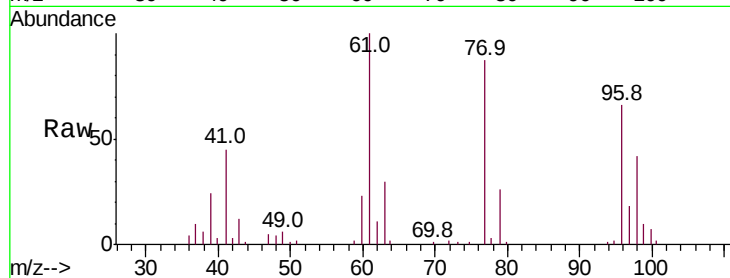
Tot Ion: 96 Resp: 112331

Ion Ratio Lower Upper

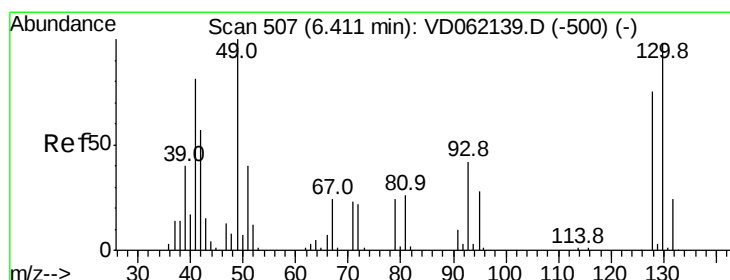
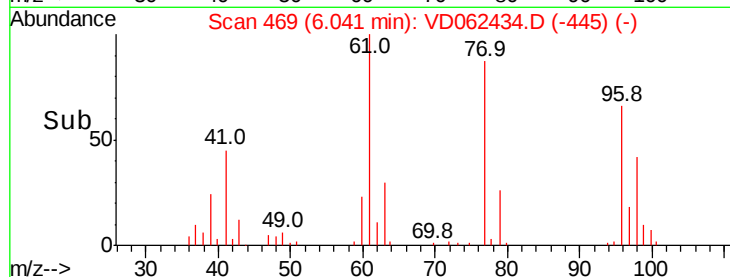
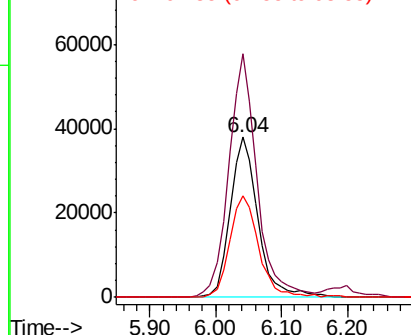
96 100

61 152.3 0.0 279.8

98 63.5 0.0 136.0



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



#28

Bromochloromethane

Concen: 24.412 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.03 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

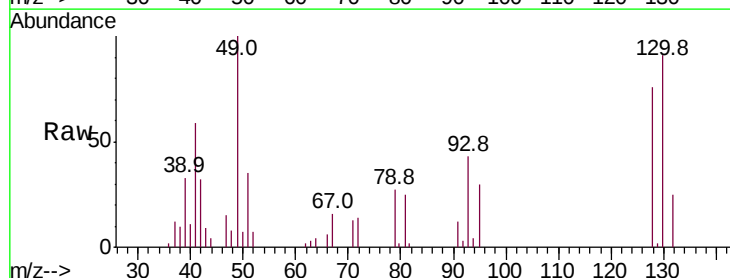
Tgt Ion: 49 Resp: 85019

Ion Ratio Lower Upper

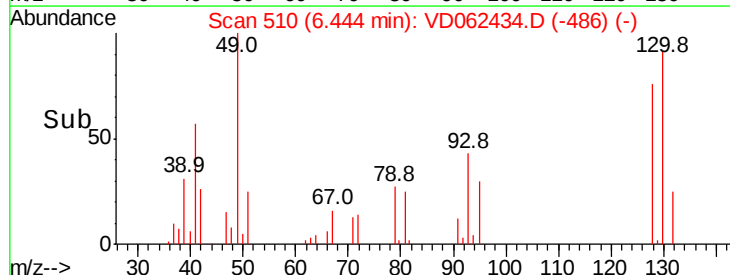
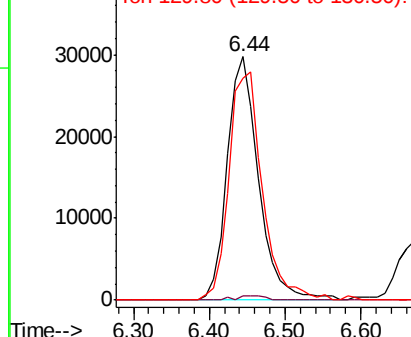
49 100

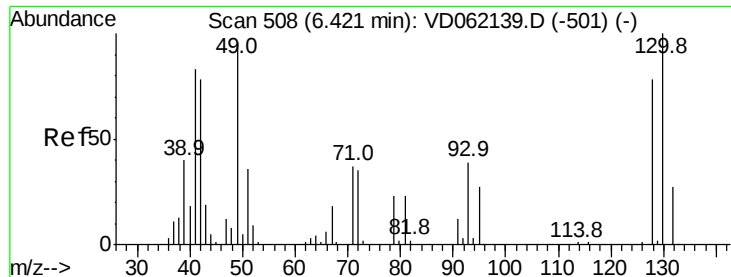
129 1.8 0.0 6.6

130 90.9 86.7 130.1



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

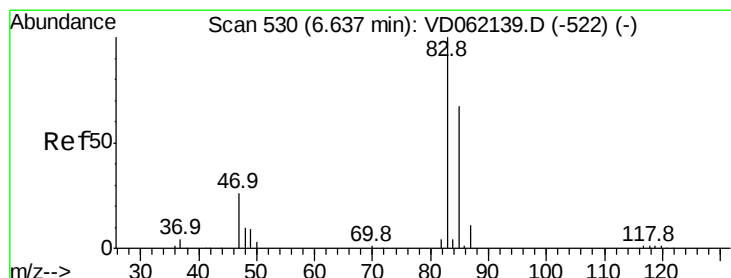
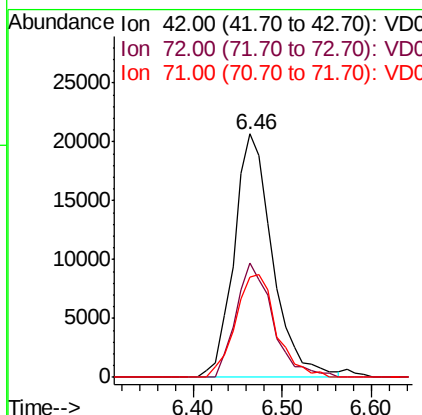
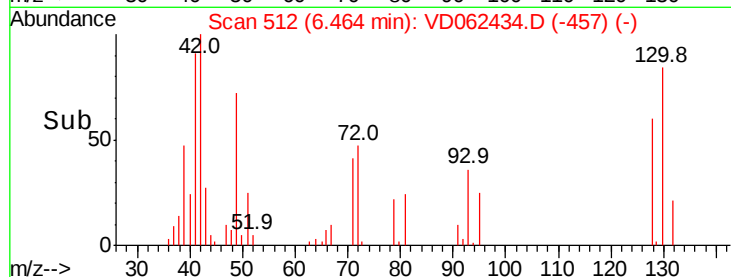
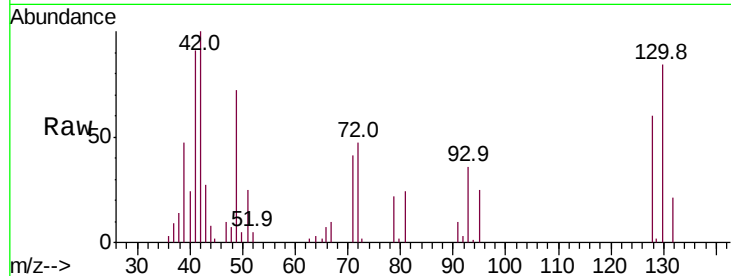




#29
Tetrahydrofuran
Concen: 101.490 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

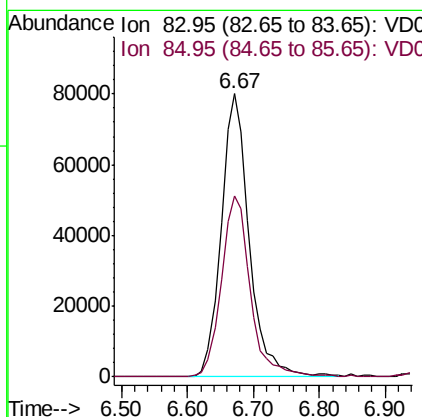
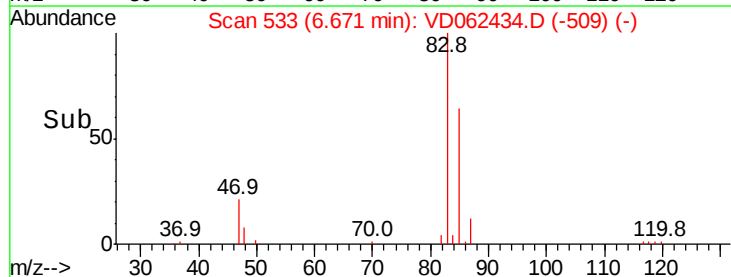
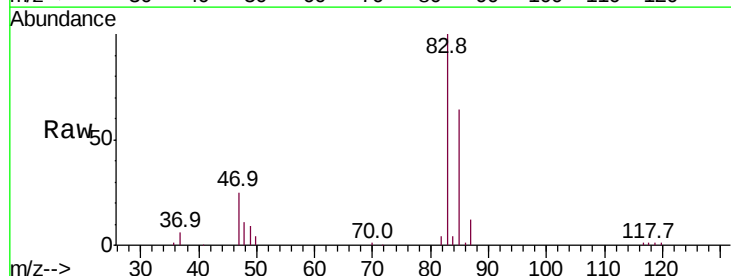
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

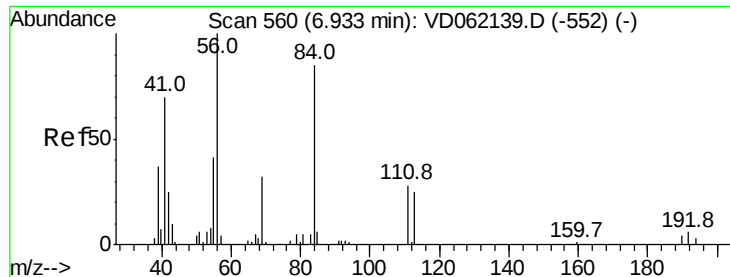
Tot Ion: 42 Resp: 61826
Ion Ratio Lower Upper
42 100
72 45.0 37.8 56.6
71 44.6 36.7 55.1



#30
Chloroform
Concen: 22.196 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 83 Resp: 236787
Ion Ratio Lower Upper
83 100
85 63.9 51.7 77.5

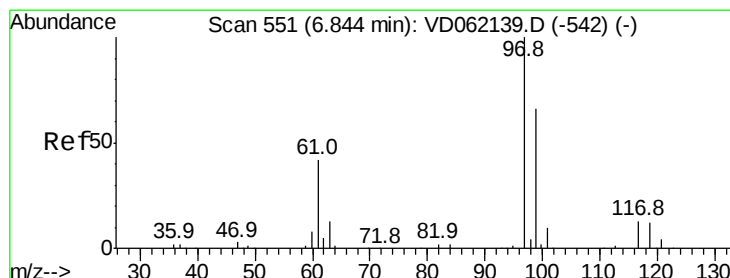
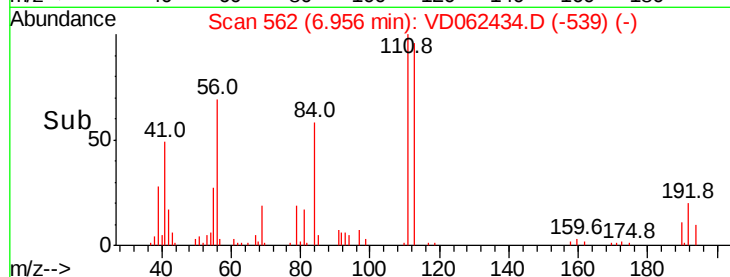
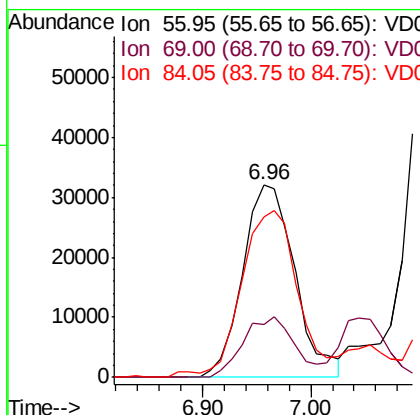
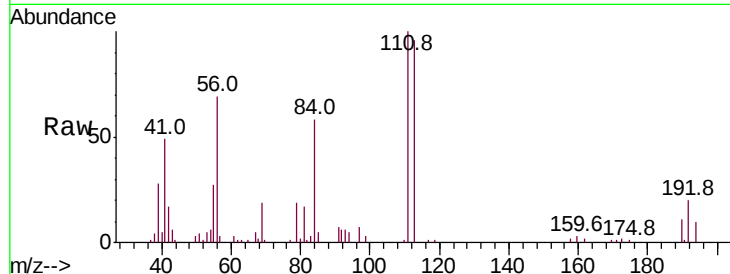




#31
Cyclohexane
Concen: 17.725 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

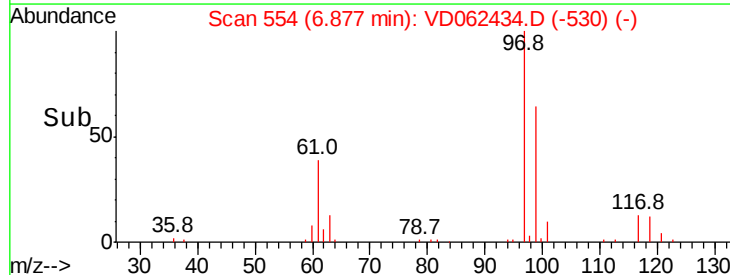
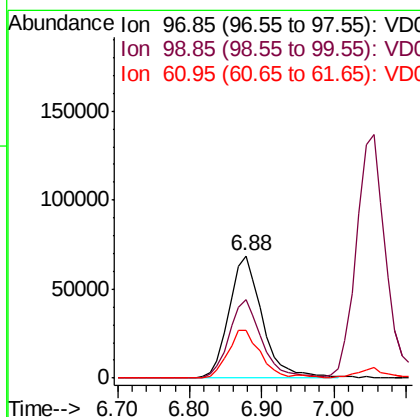
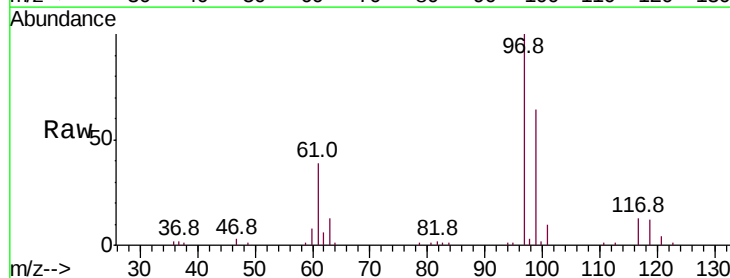
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

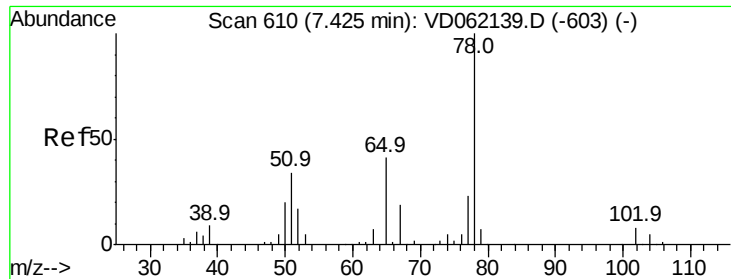
Tot Ion: 56 Resp: 107492
Ion Ratio Lower Upper
56 100
69 27.6 25.8 38.6
84 83.2 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 21.831 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.03 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 97 Resp: 220131
Ion Ratio Lower Upper
97 100
99 64.0 52.2 78.2
61 38.7 32.4 48.6

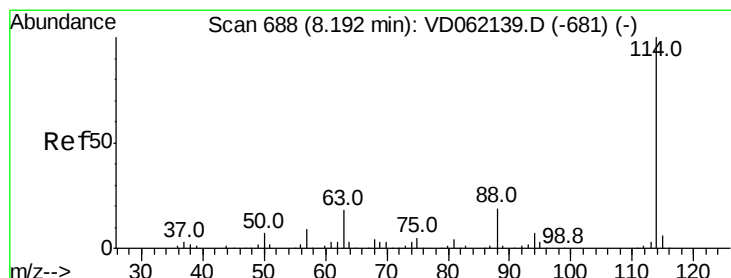
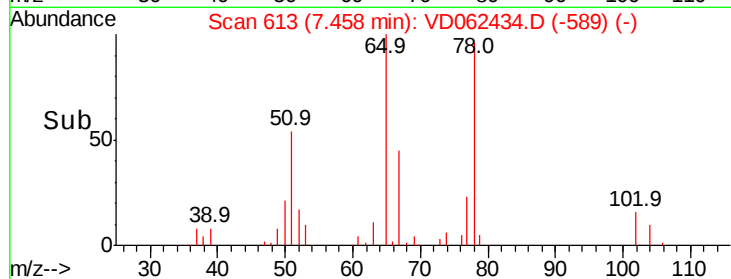
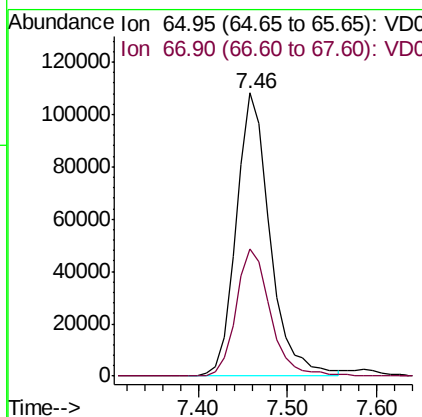
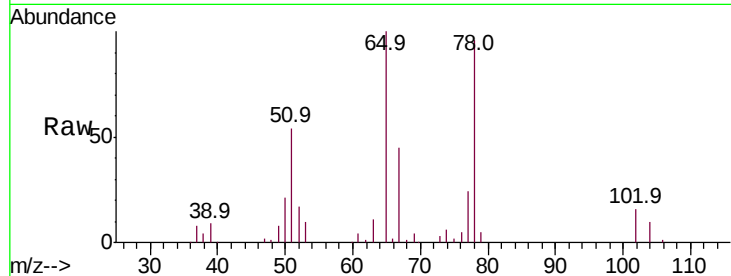




#33
 1,2-Dichloroethane-d4
 Concen: 49.347 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

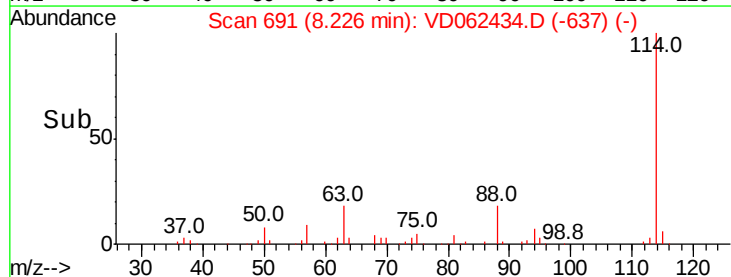
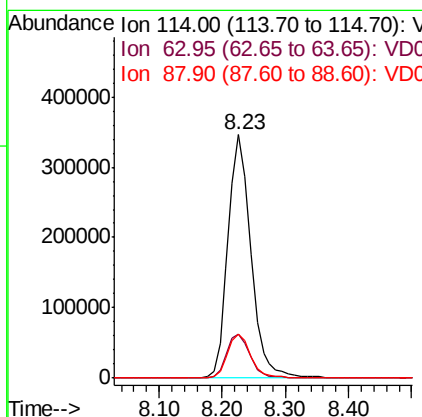
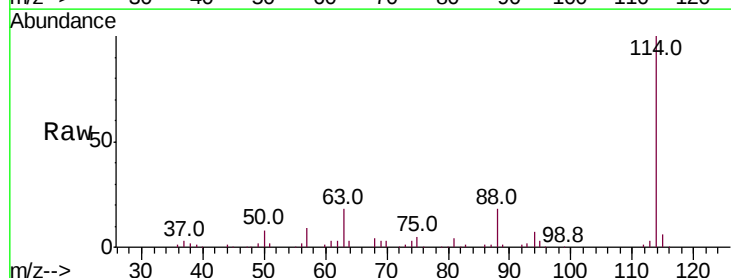
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

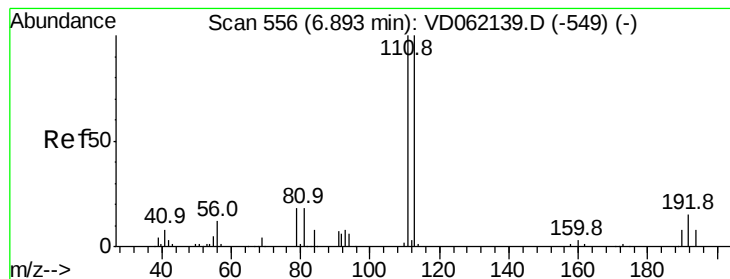
Tot Ion: 65 Resp: 285227
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Tgt Ion: 114 Resp: 874763
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 32.4
 88 18.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 46.217 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

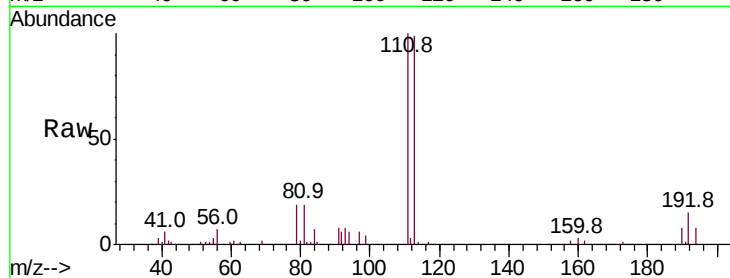
Tot Ion:113 Resp: 335443

Ion Ratio Lower Upper

113 100

111 101.4 78.5 117.7

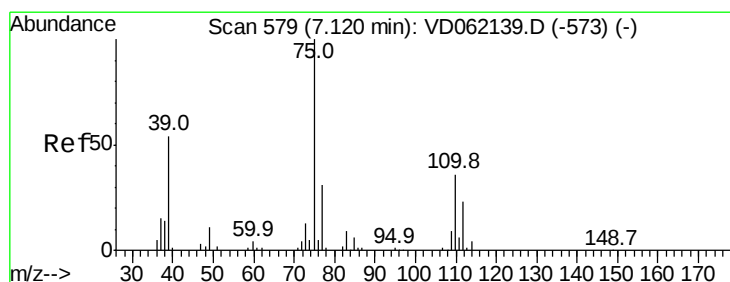
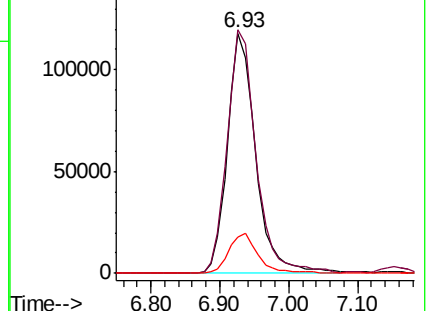
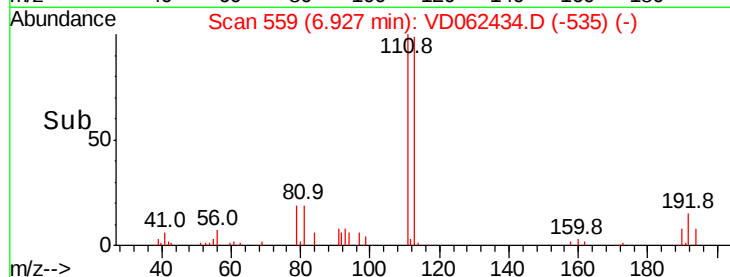
192 15.2 13.0 19.4



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: 19.654 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.03 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

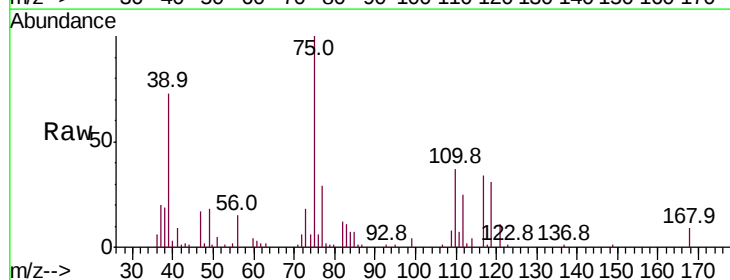
Tgt Ion: 75 Resp: 140961

Ion Ratio Lower Upper

75 100

110 36.9 19.1 57.1

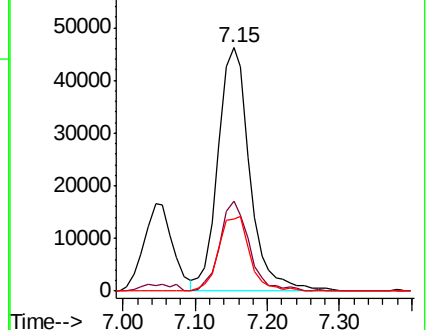
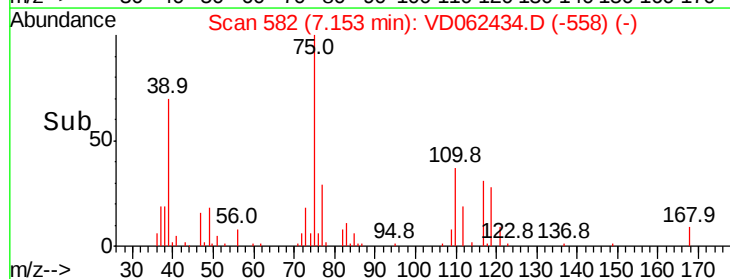
77 29.4 25.6 38.4

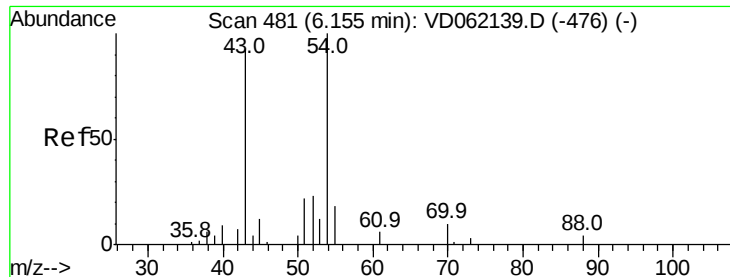


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

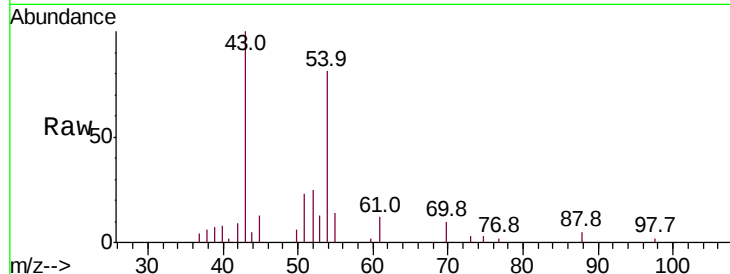




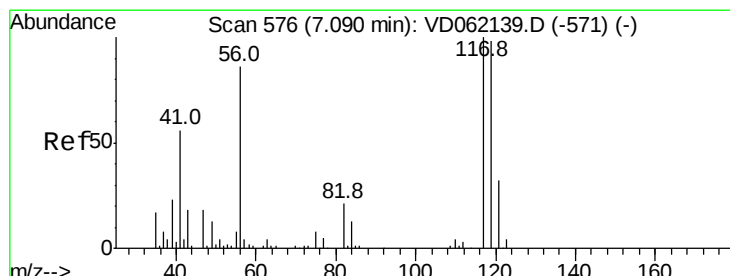
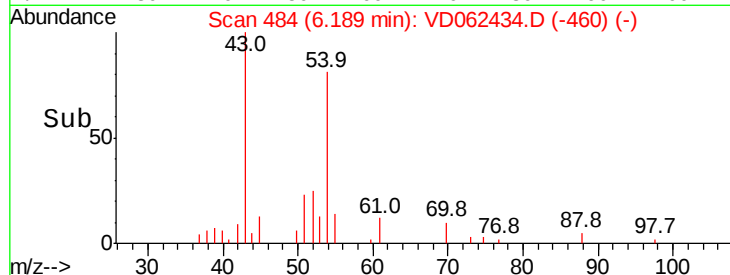
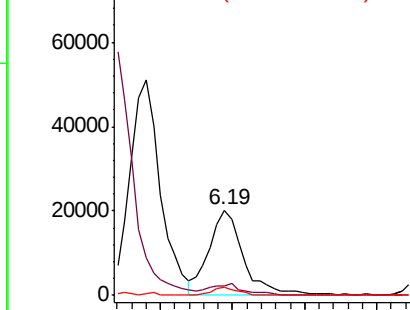
#37
Ethyl Acetate
Concen: 22.135 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

Tot Ion: 43 Resp: 67328
Ion Ratio Lower Upper
43 100
61 11.5 14.7 22.1#
70 9.8 7.8 11.6

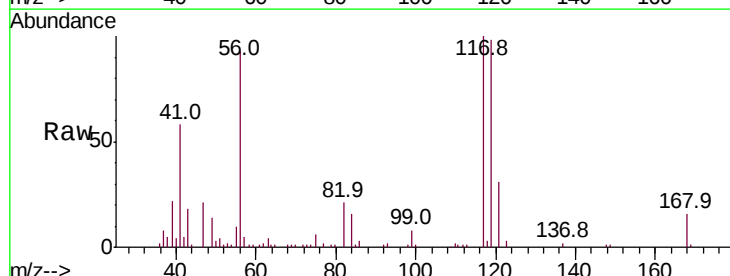


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

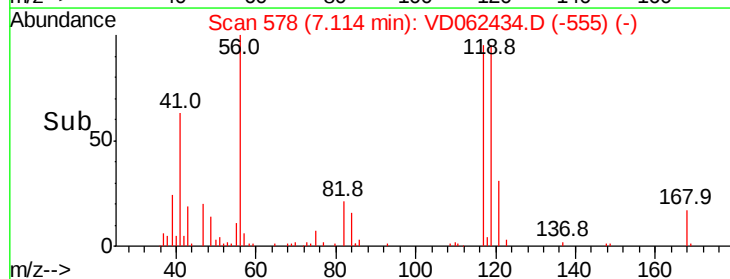
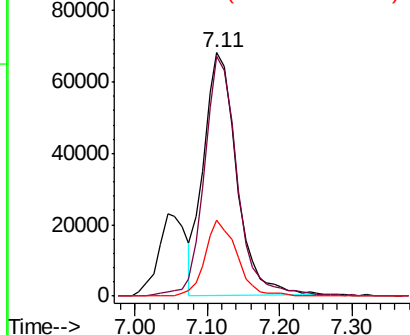


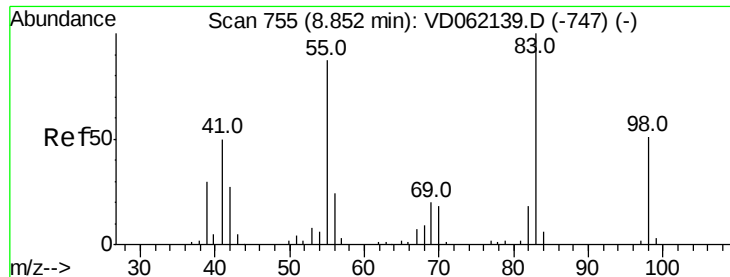
#38
Carbon Tetrachloride
Concen: 21.714 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 117 Resp: 215555
Ion Ratio Lower Upper
117 100
119 98.3 75.8 113.8
121 31.3 25.9 38.9



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

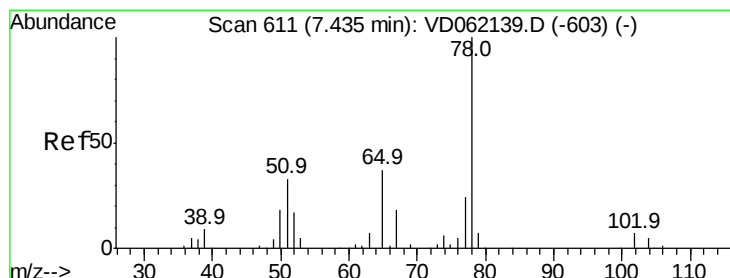
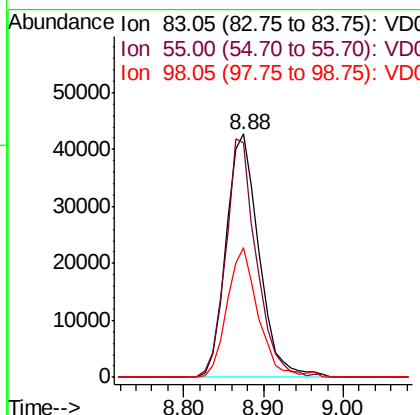
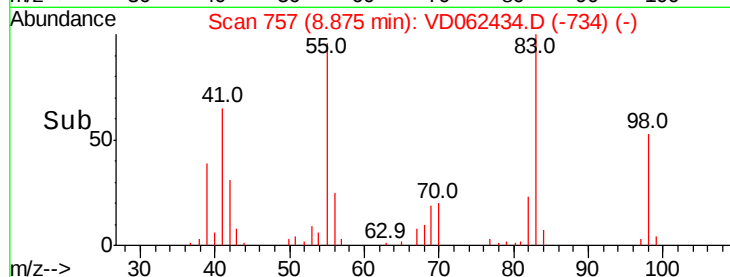
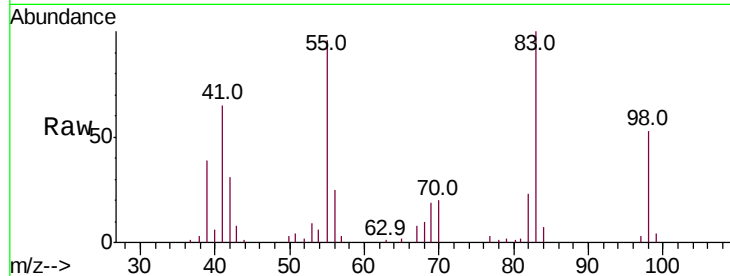




#39
Methvlcvclohexane
Concen: 17.859 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

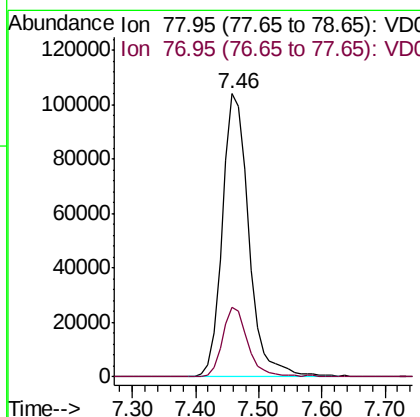
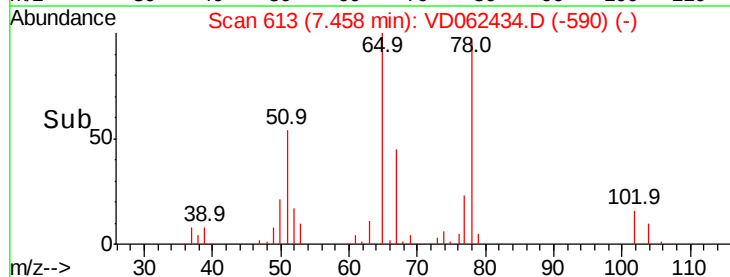
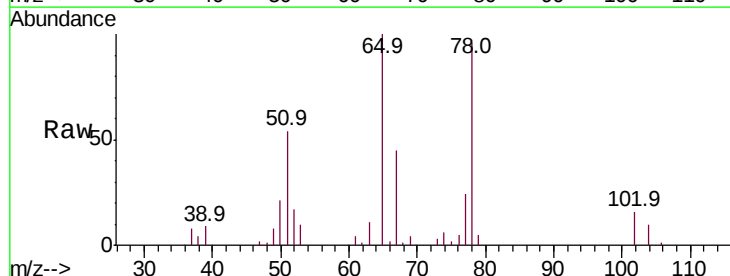
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

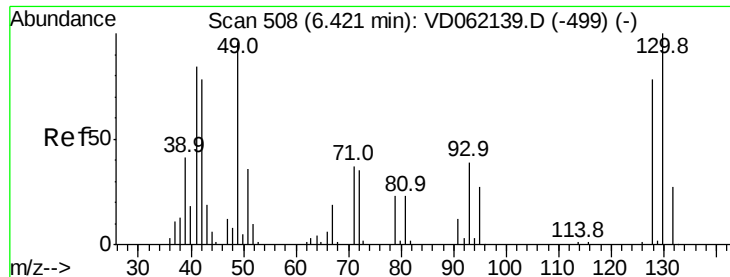
Tot Ion: 83 Resp: 122723
Ion Ratio Lower Upper
83 100
55 96.4 68.2 102.4
98 53.0 38.2 57.4



#40
Benzene
Concen: 18.758 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 78 Resp: 303792
Ion Ratio Lower Upper
78 100
77 24.6 19.7 29.5

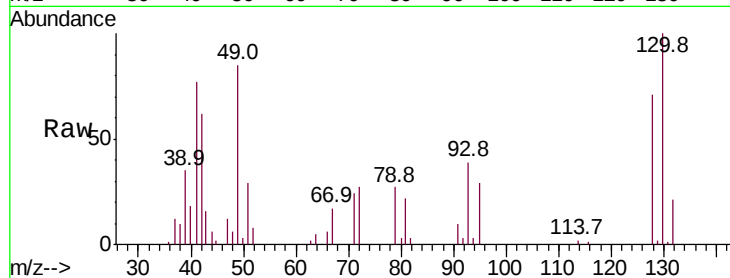




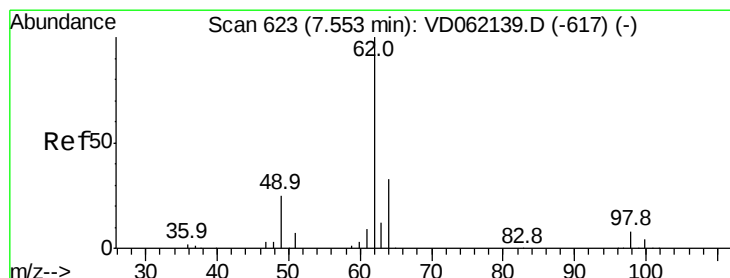
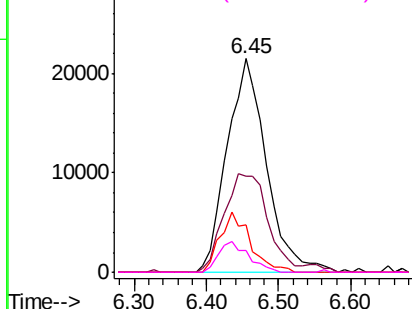
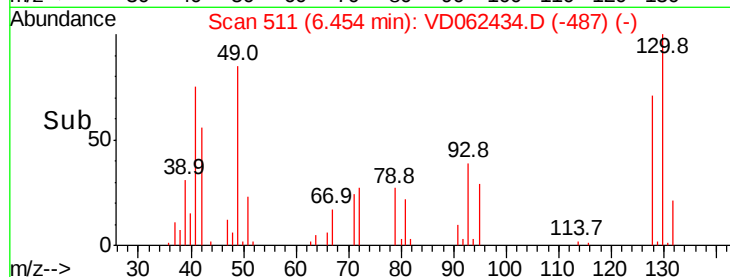
#41
Methacrylonitrile
Concen: 21.860 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

Tot Ion: 41 Resp: 81256
Ion Ratio Lower Upper
41 100
39 45.1 34.1 51.1
67 22.4 23.8 35.6#
52 10.3 8.8 13.2

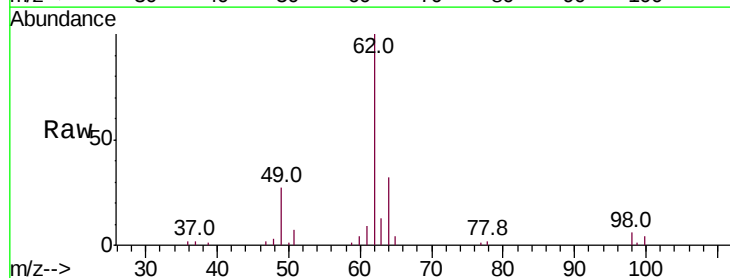


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

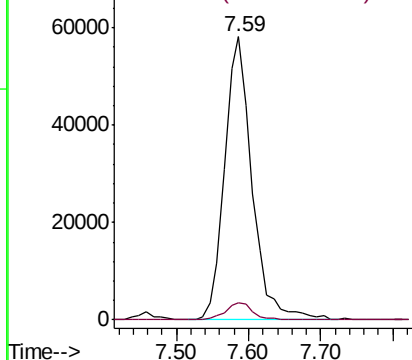
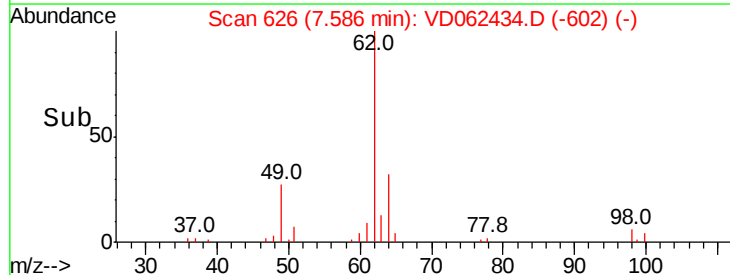


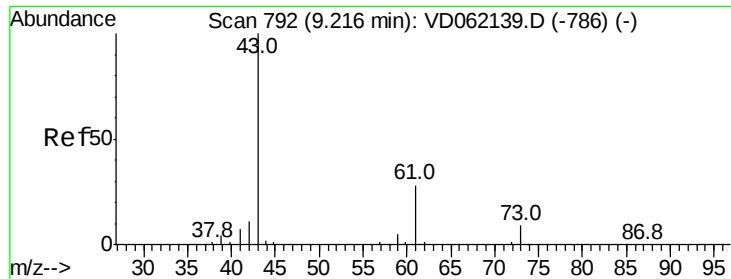
#42
1,2-Dichloroethane
Concen: 22.356 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 62 Resp: 153403
Ion Ratio Lower Upper
62 100
98 6.2 0.0 17.8



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



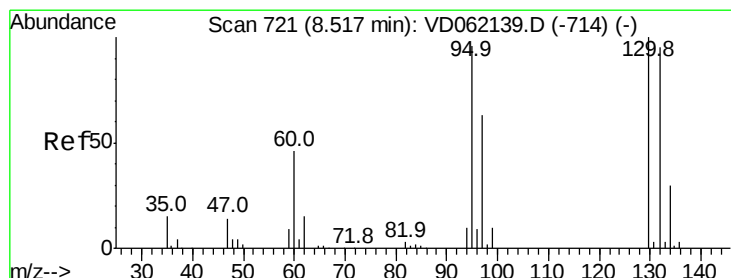
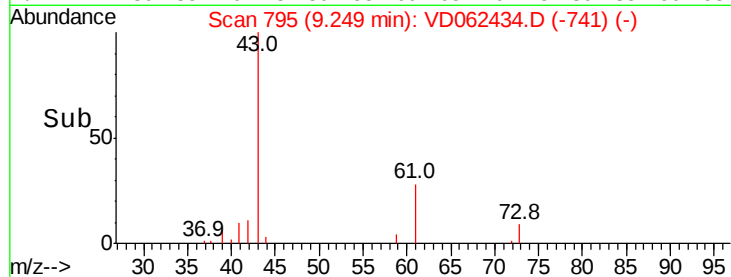
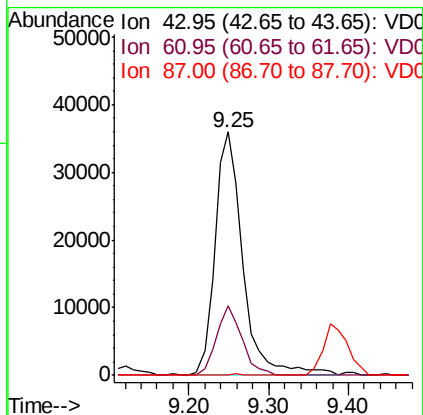
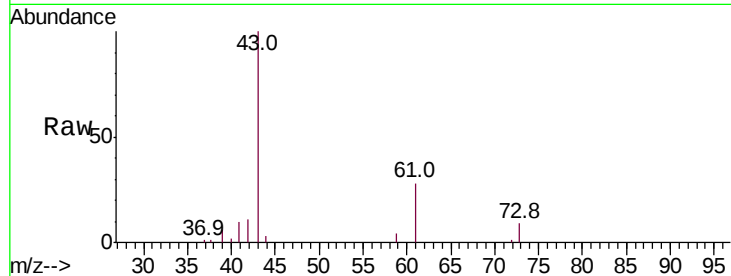


#43

Isopropyl Acetate
 Concen: 20.396 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.03 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

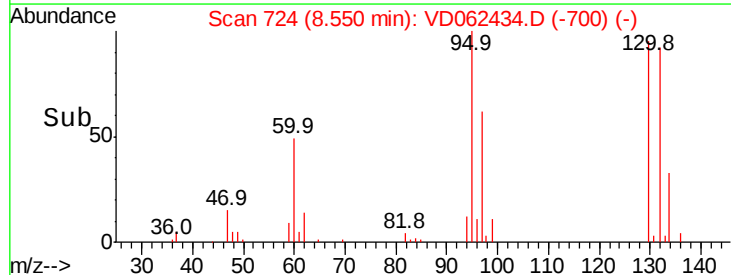
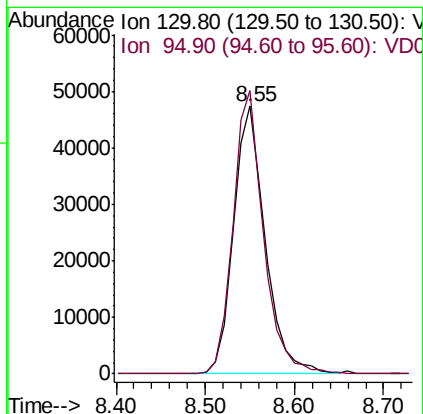
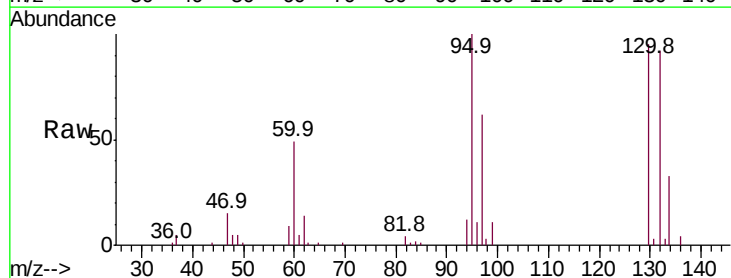
Tot Ion: 43 Resp: 87985
 Ion Ratio Lower Upper
 43 100
 61 28.4 25.1 37.7
 87 0.0 0.0 0.0

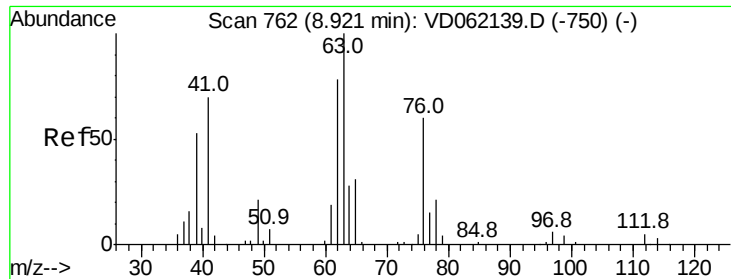


#44

Trichloroethene
 Concen: 18.951 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.03 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Tgt Ion: 130 Resp: 116954
 Ion Ratio Lower Upper
 130 100
 95 105.8 0.0 174.0





#45

1,2-Dichloropropane

Concen: 18.586 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

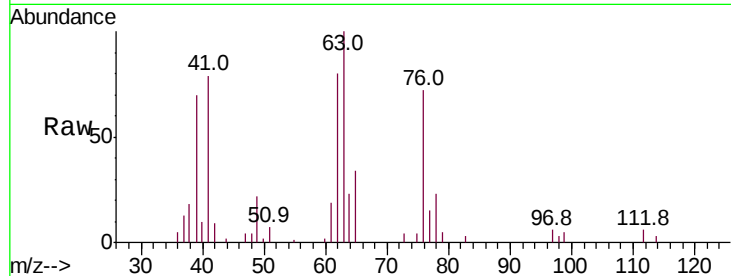
VD0517SBS01

Tot Ion: 63 Resp: 74455

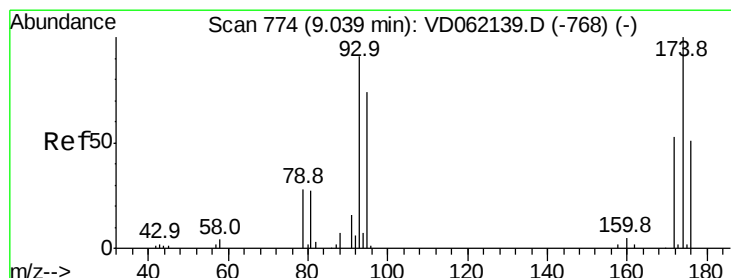
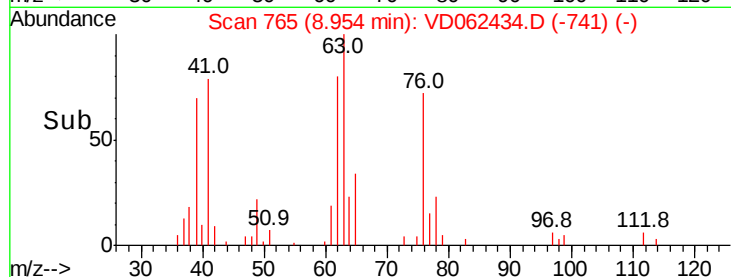
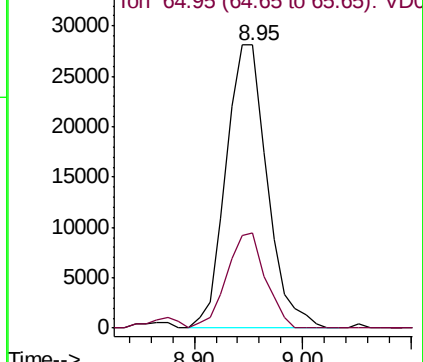
Ion Ratio Lower Upper

63 100

65 33.6 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC



#46

Dibromomethane

Concen: 19.530 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

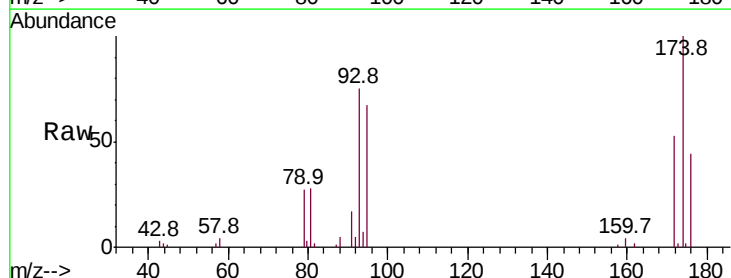
Tgt Ion: 93 Resp: 63623

Ion Ratio Lower Upper

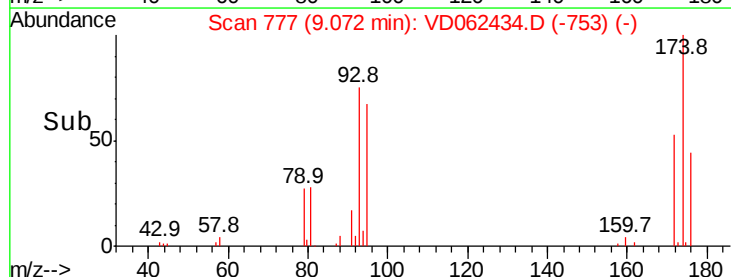
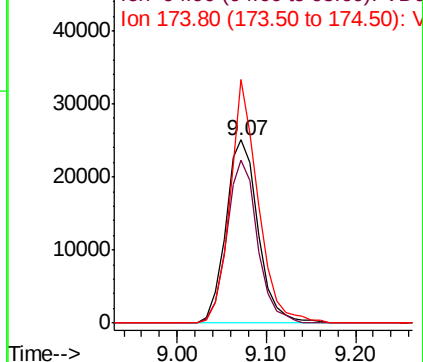
93 100

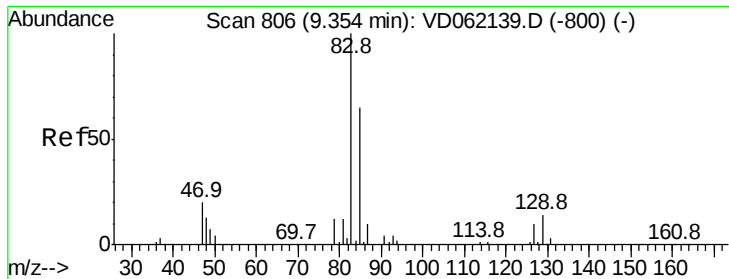
95 88.6 64.8 97.2

174 132.9 79.3 118.9#



Abundance Ion 92.90 (92.60 to 93.60): VDC





#47

Bromodichloromethane

Concen: 21.146 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

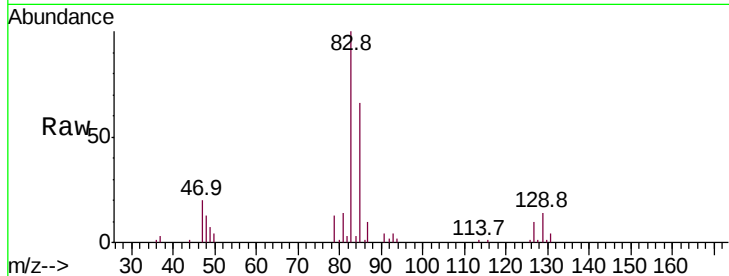
Tot Ion: 83 Resp: 168498

Ion Ratio Lower Upper

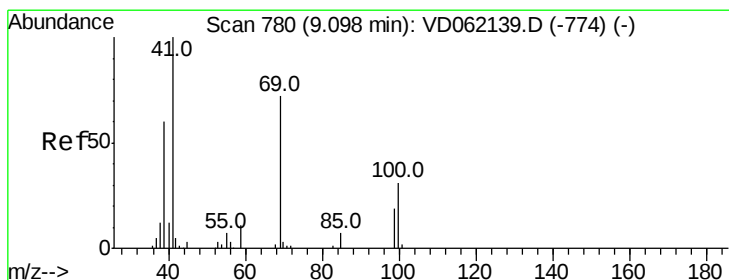
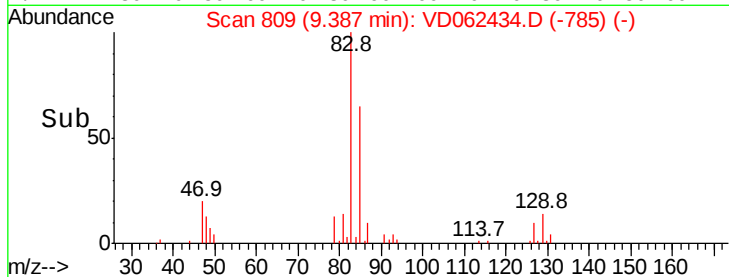
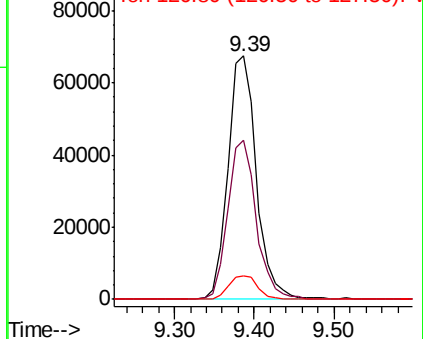
83 100

85 65.5 50.9 76.3

127 9.7 8.1 12.1



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: 21.592 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

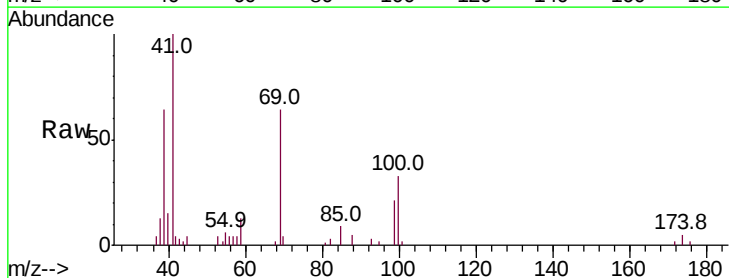
Tgt Ion: 41 Resp: 57373

Ion Ratio Lower Upper

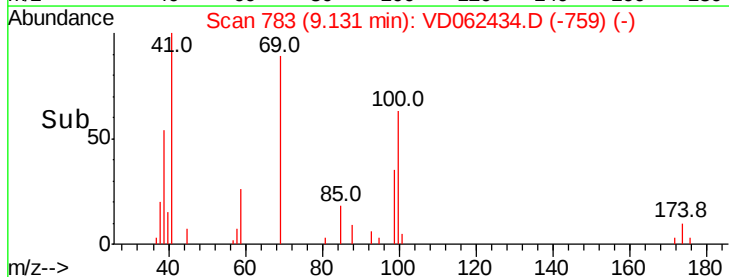
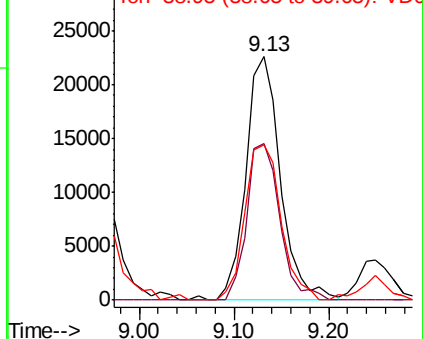
41 100

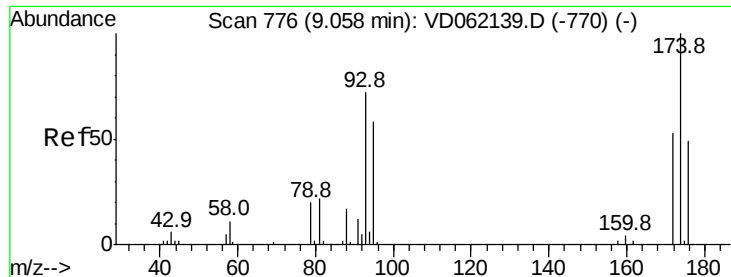
69 64.3 64.2 96.2

39 63.8 46.8 70.2



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

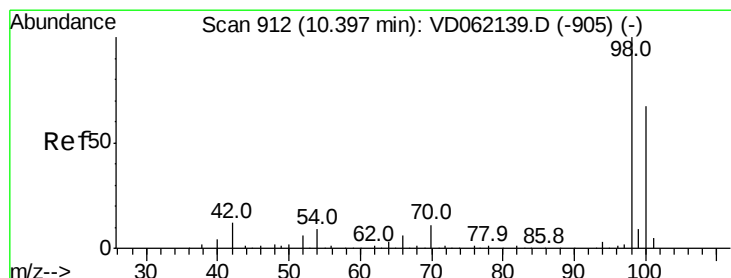
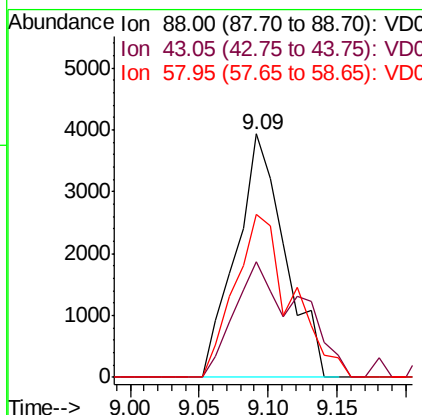
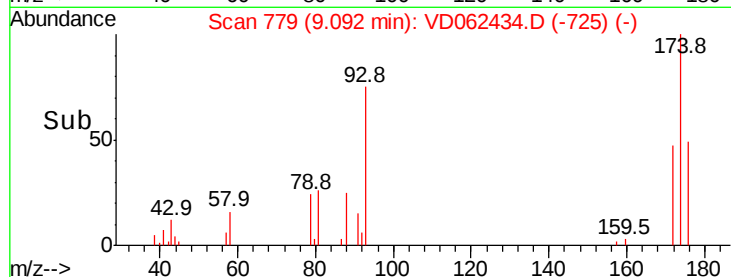
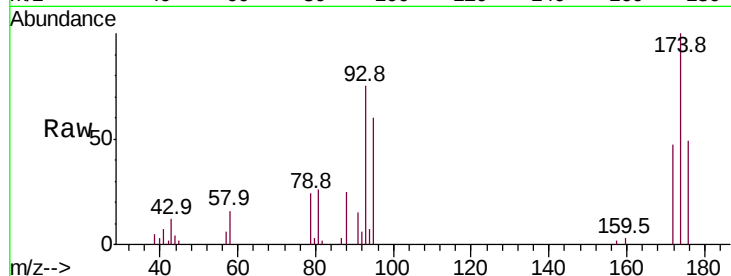




#49
1,4-Dioxane
Concen: 337.651 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

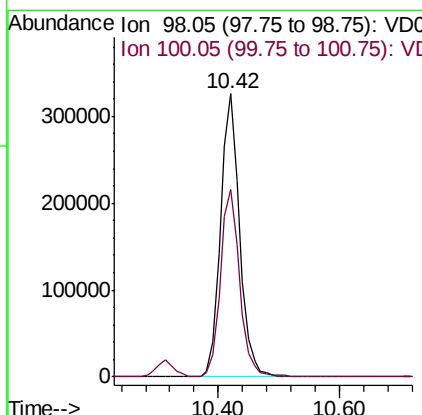
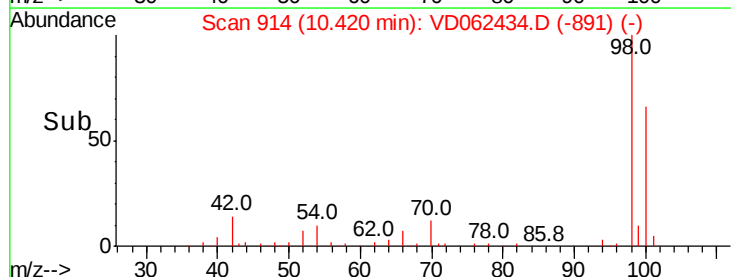
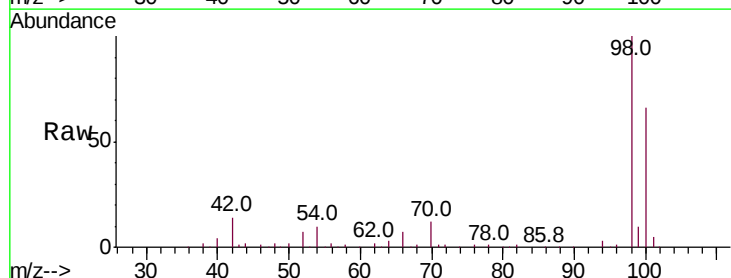
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

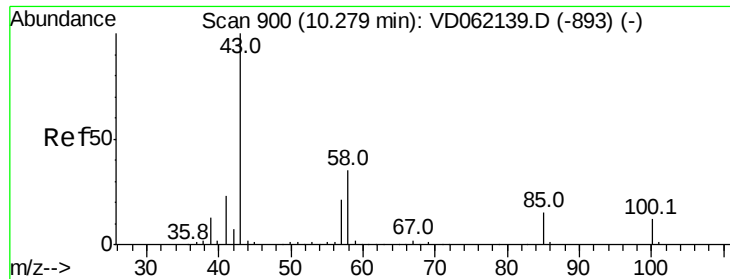
Tot Ion: 88 Resp: 9680
Ion Ratio Lower Upper
88 100
43 47.5 23.4 35.0#
58 66.9 44.0 66.0#



#50
Toluene-d8
Concen: 40.595 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 98 Resp: 710396
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.8

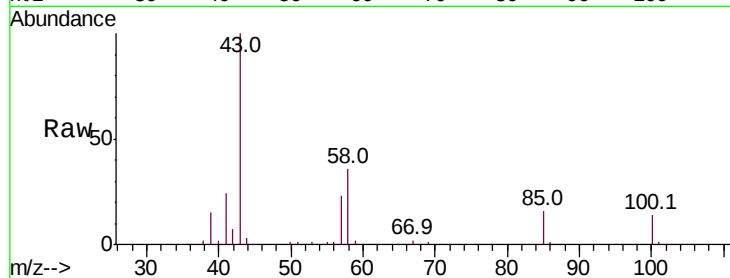




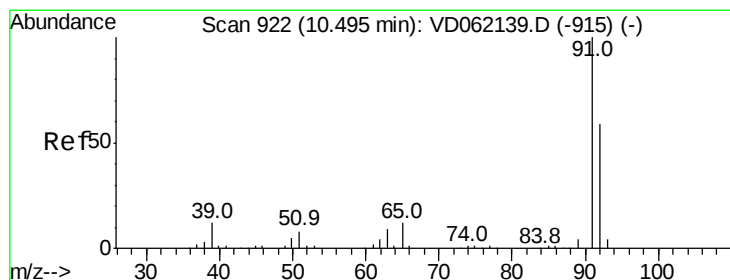
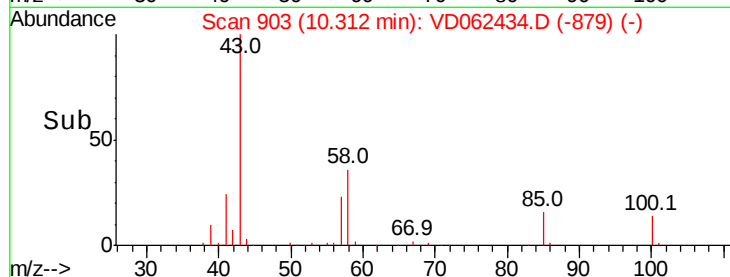
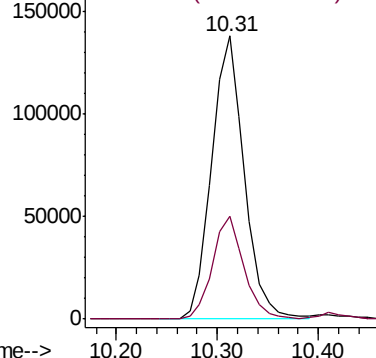
#51
4-Methyl-2-Pentanone
Concen: 111.986 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.03 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

Tot Ion: 43 Resp: 310525
Ion Ratio Lower Upper
43 100
58 36.5 30.4 45.6

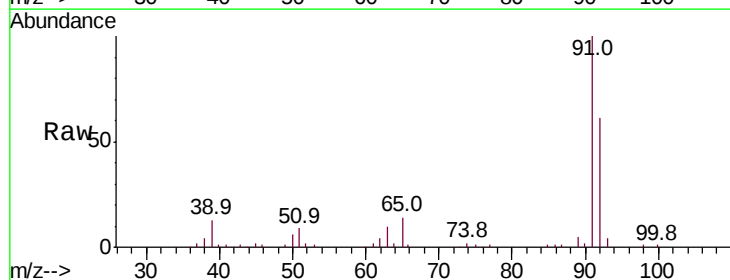


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

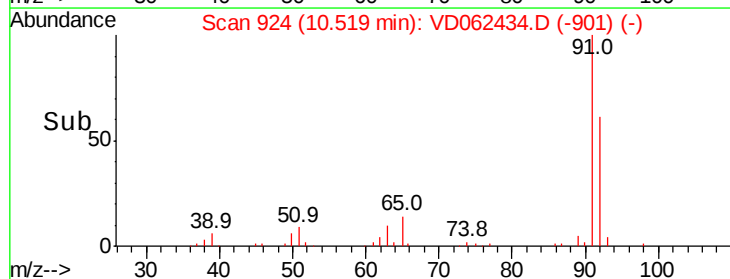
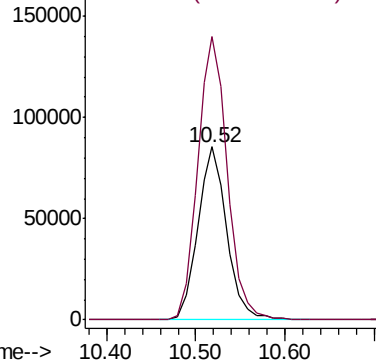


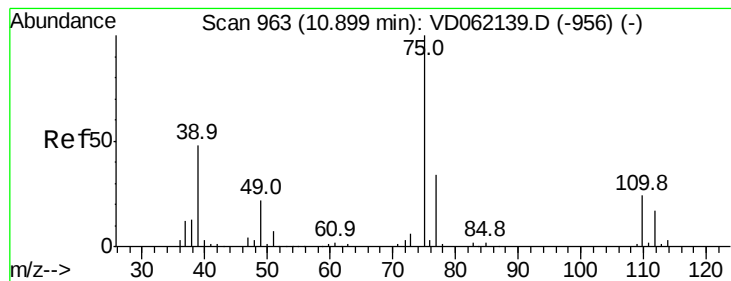
#52
Toluene
Concen: 18.341 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 92 Resp: 193275
Ion Ratio Lower Upper
92 100
91 163.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.966 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

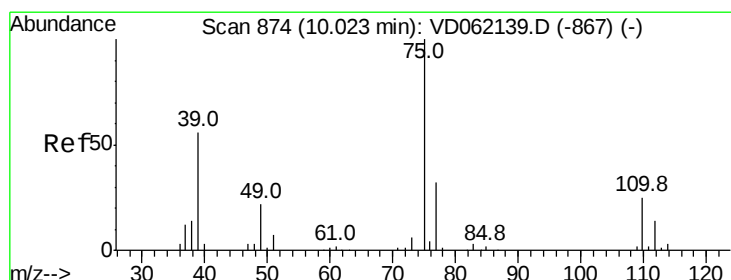
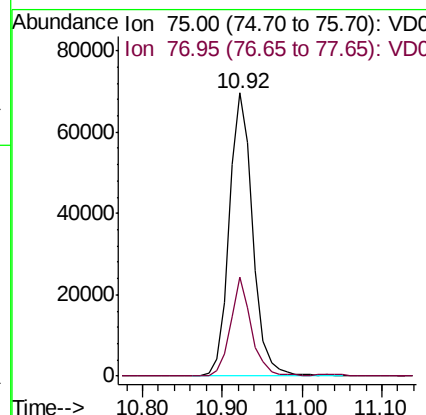
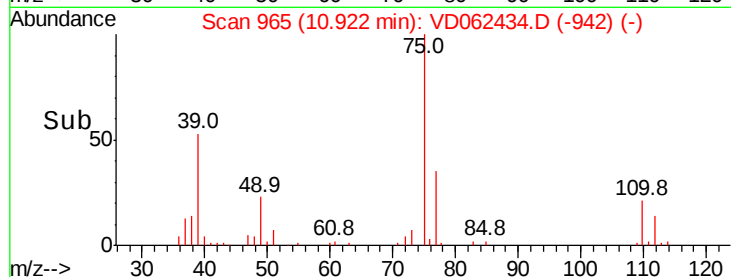
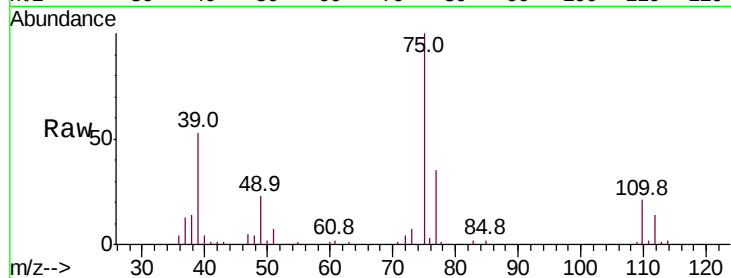
VD0517SBS01

Tot Ion: 75 Resp: 144387

Ion Ratio Lower Upper

75 100

77 35.0 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 20.414 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

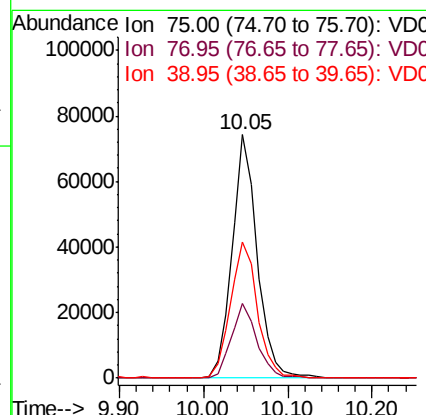
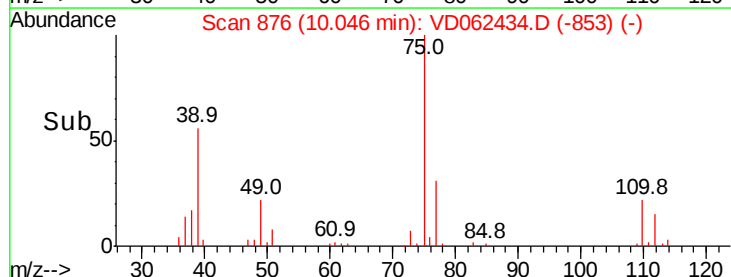
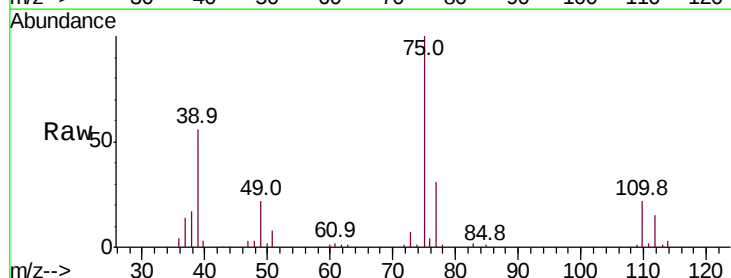
Tgt Ion: 75 Resp: 153374

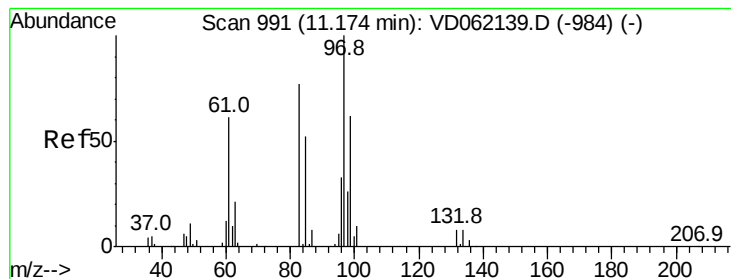
Ion Ratio Lower Upper

75 100

77 30.7 25.5 38.3

39 55.9 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 21.054 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

Tot Ion: 97 Resp: 78499

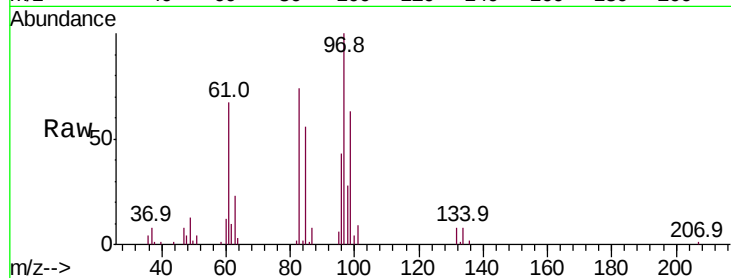
Ion Ratio Lower Upper

97 100

83 74.5 65.7 98.5

85 56.2 45.6 68.4

99 63.2 48.4 72.6



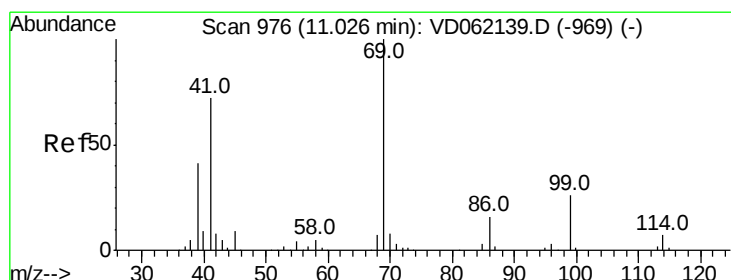
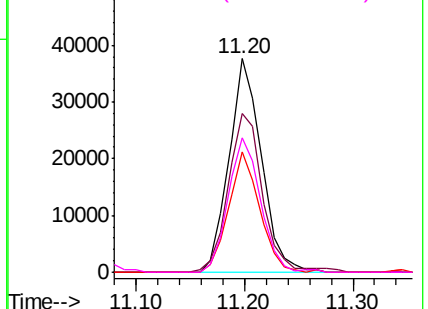
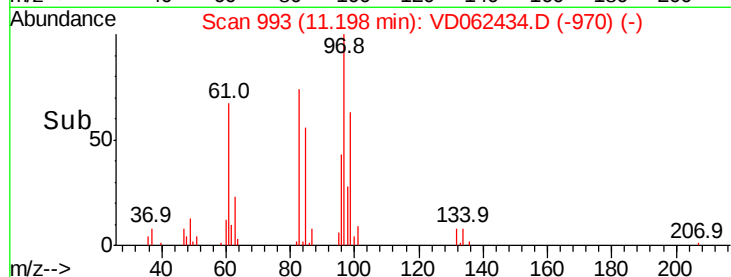
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.952 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

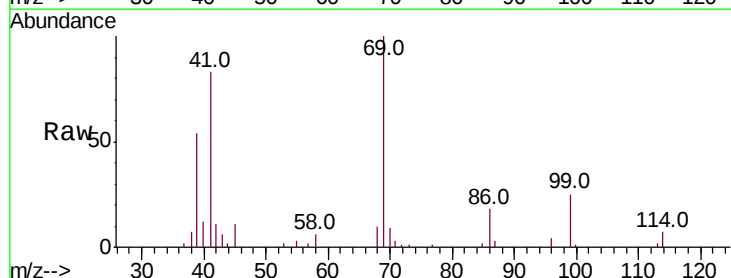
Tgt Ion: 69 Resp: 77302

Ion Ratio Lower Upper

69 100

41 82.5 56.3 84.5

39 54.2 29.4 44.2#

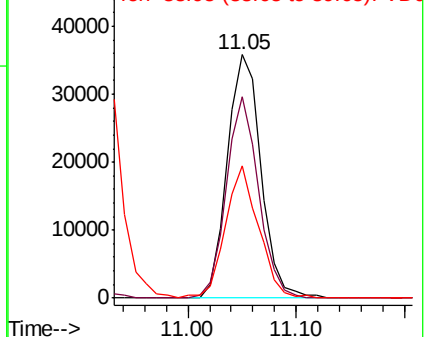
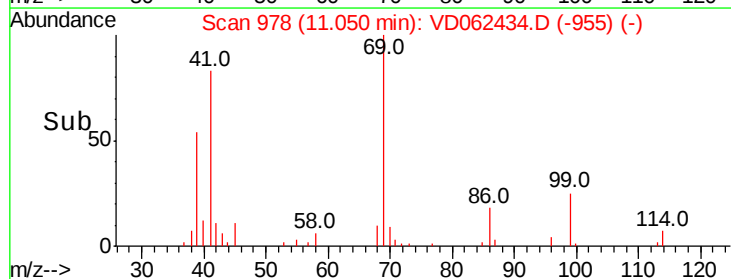


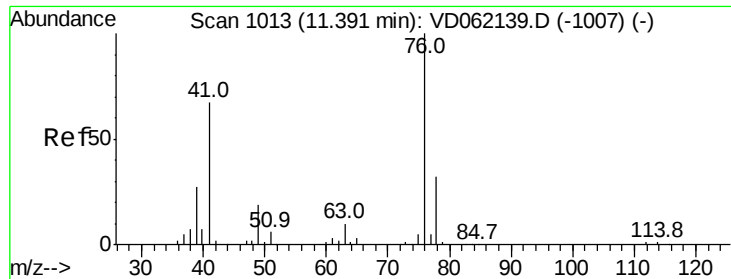
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.343 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

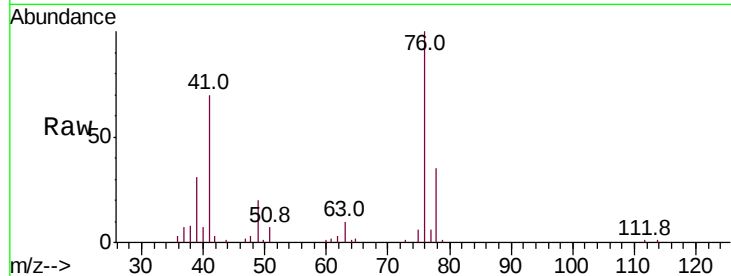
VD0517SBS01

Tot Ion: 76 Resp: 120221

Ion Ratio Lower Upper

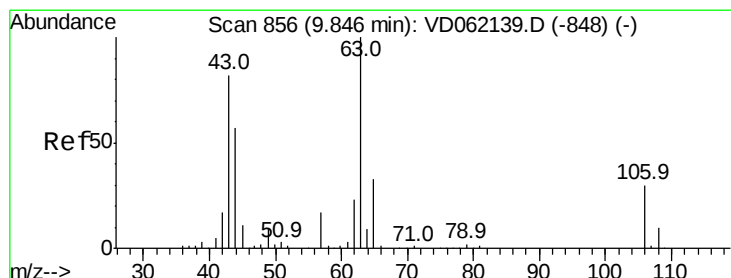
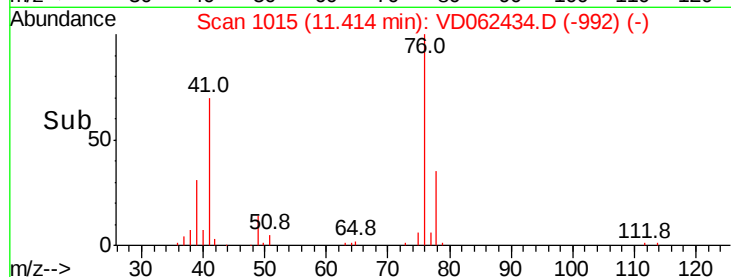
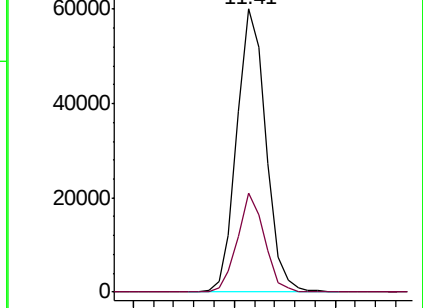
76 100

78 34.9 26.2 39.2



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: 115.810 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062434.D

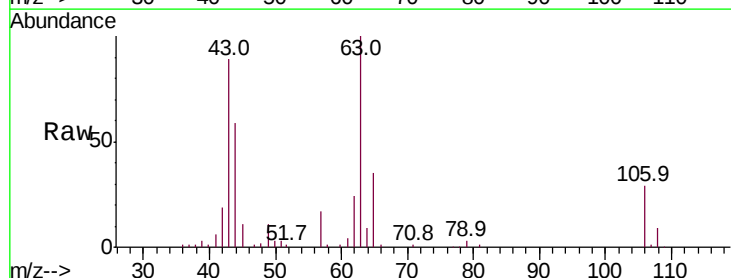
Acq: 17 May 2019 12:48

Tgt Ion: 63 Resp: 245093

Ion Ratio Lower Upper

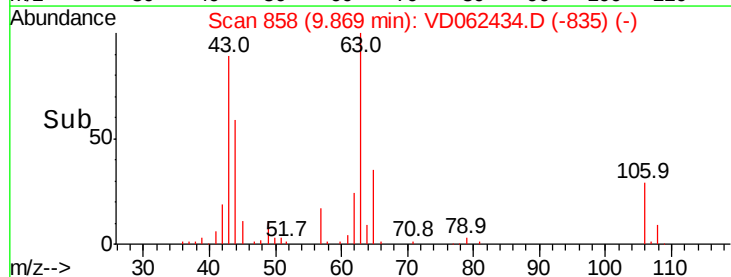
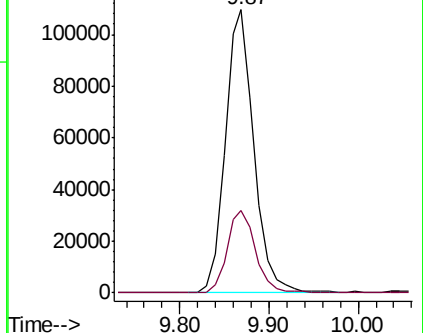
63 100

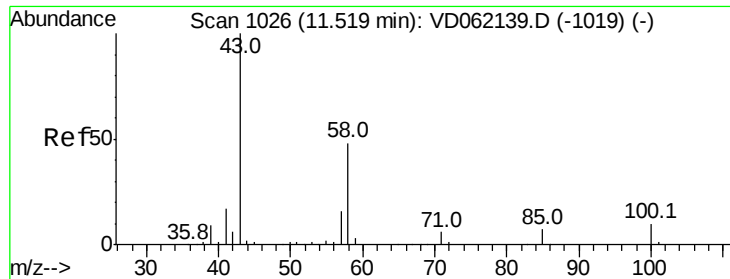
106 29.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

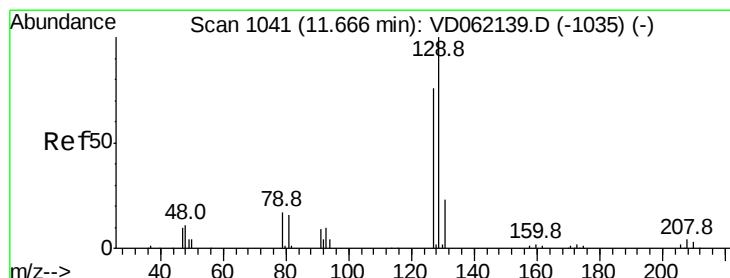
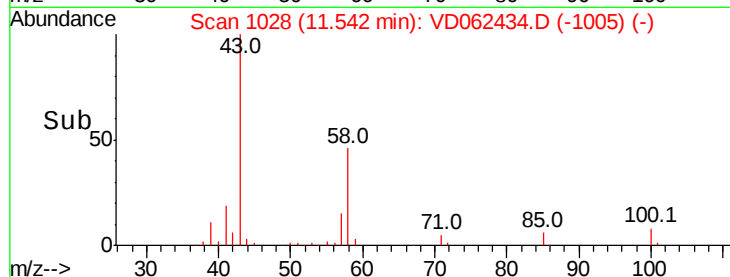
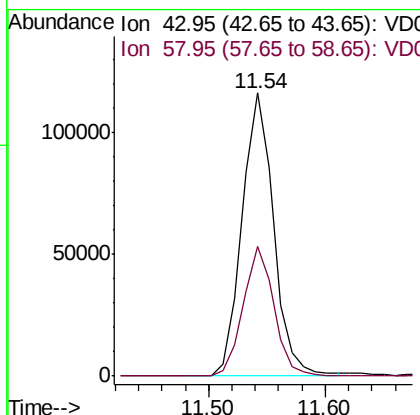
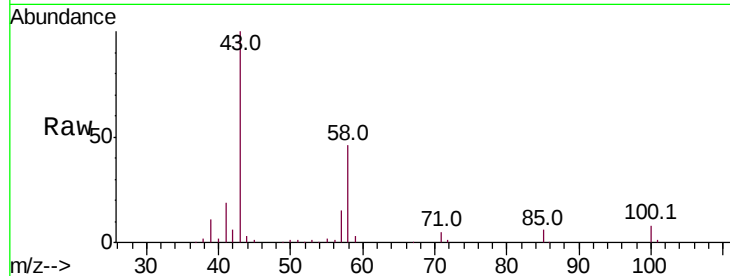




#59
2-Hexanone
Concen: 106.729 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

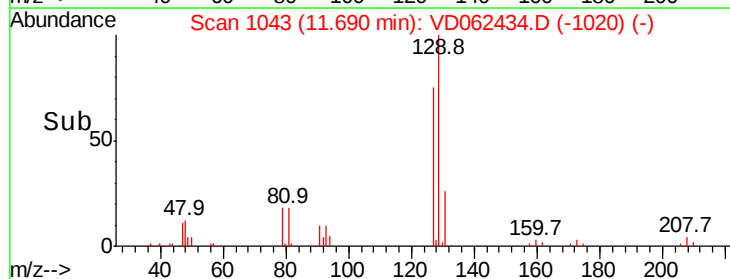
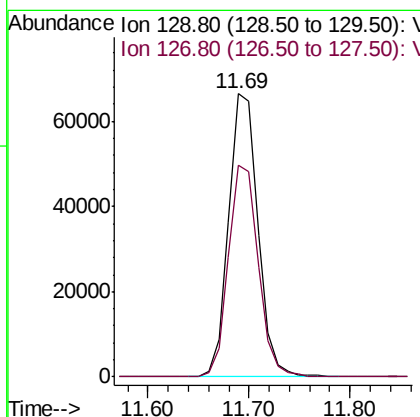
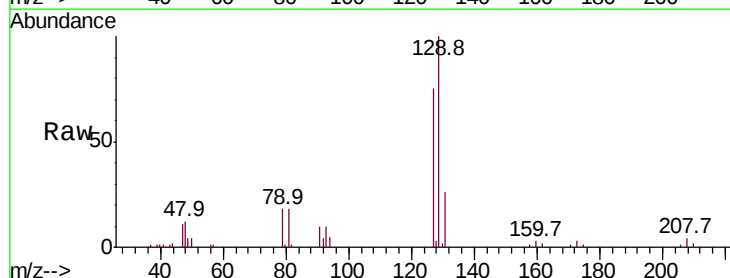
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

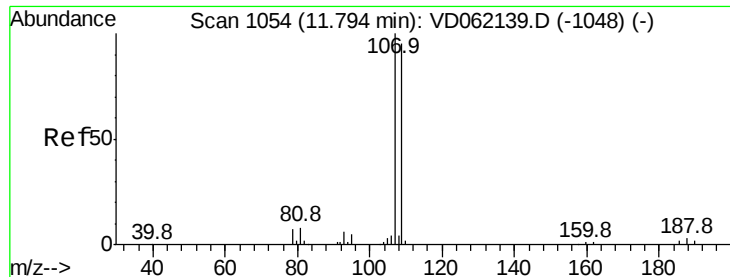
Tot Ion: 43 Resp: 218126
Ion Ratio Lower Upper
43 100
58 46.0 25.4 76.4



#60
Dibromochloromethane
Concen: 20.748 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 129 Resp: 133690
Ion Ratio Lower Upper
129 100
127 74.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.975 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

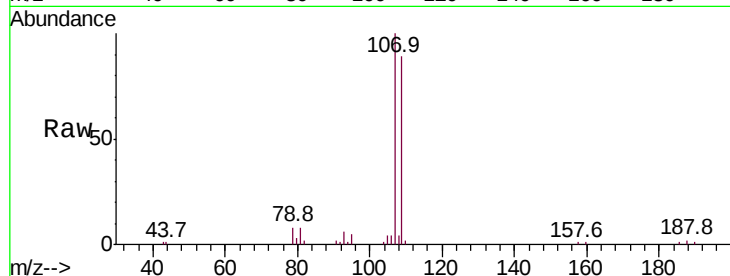
VD0517SBS01

Tot Ion:107 Resp: 86012

Ion Ratio Lower Upper

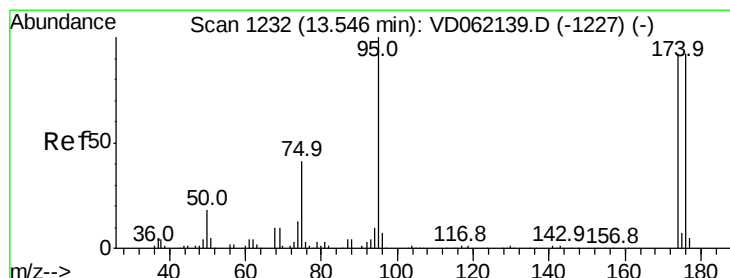
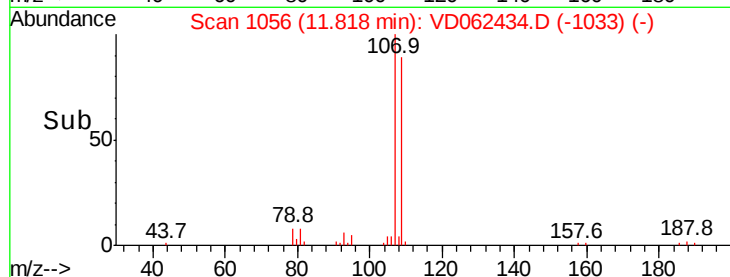
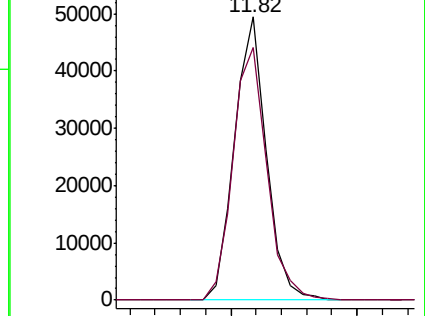
107 100

109 89.1 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 47.385 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

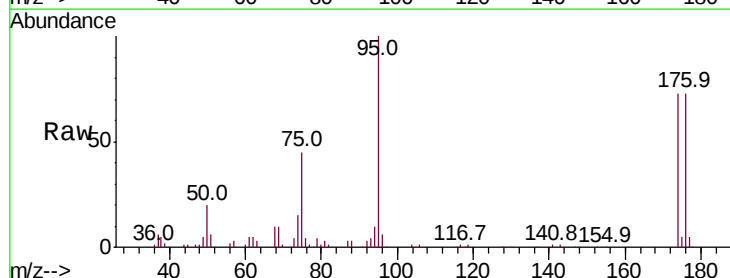
Tgt Ion: 95 Resp: 332981

Ion Ratio Lower Upper

95 100

174 72.7 0.0 181.8

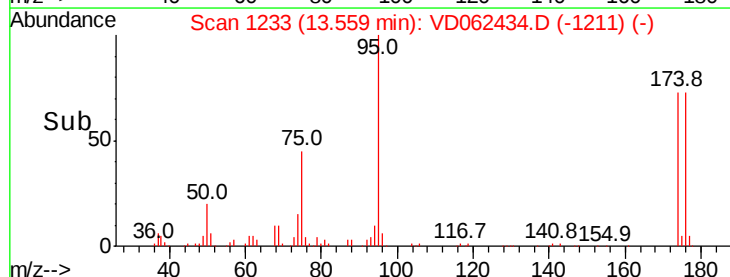
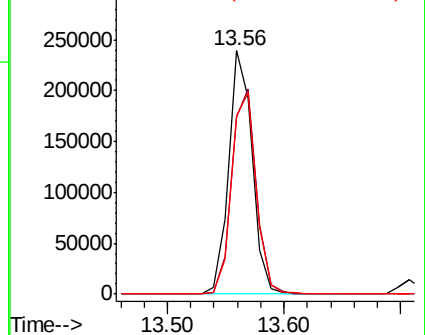
176 73.3 0.0 174.4

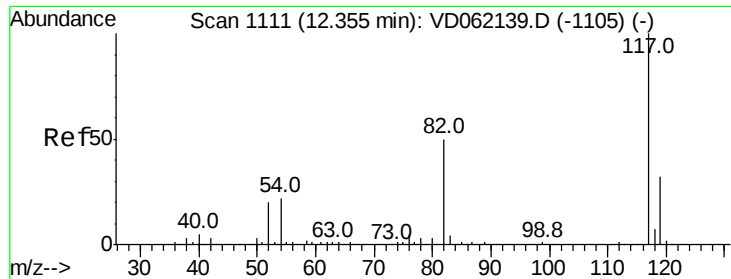


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

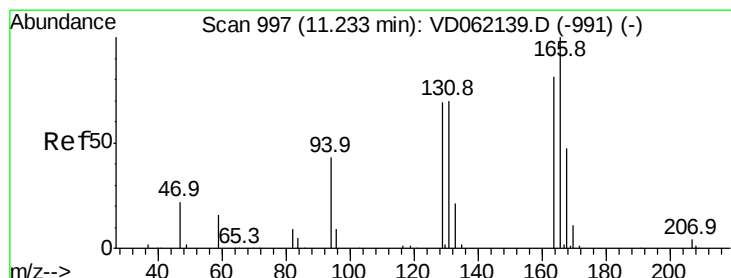
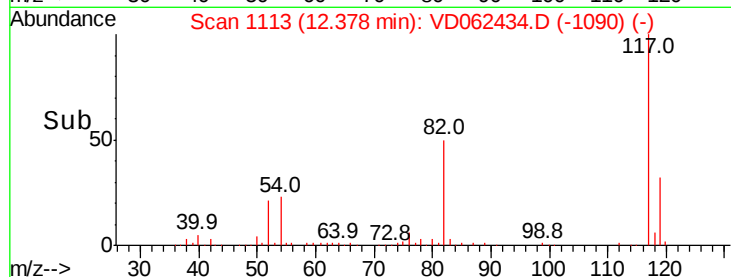
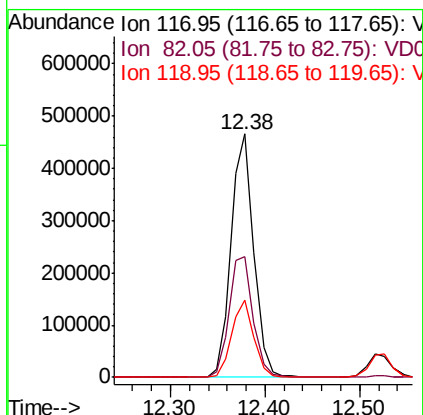
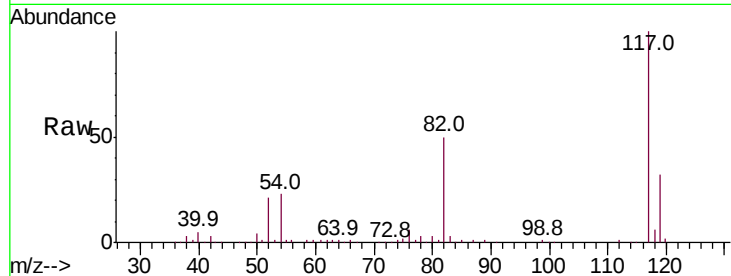




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

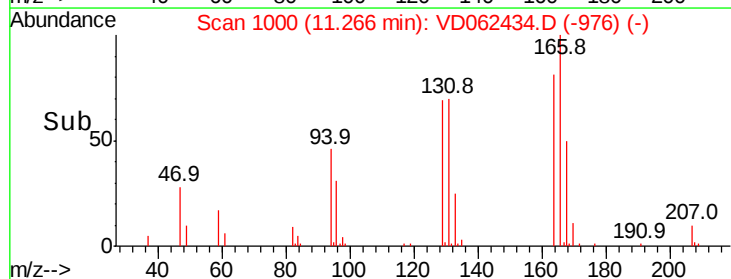
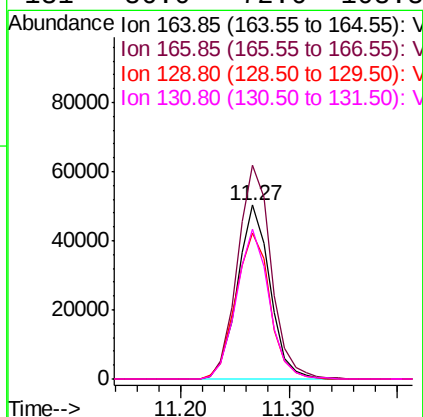
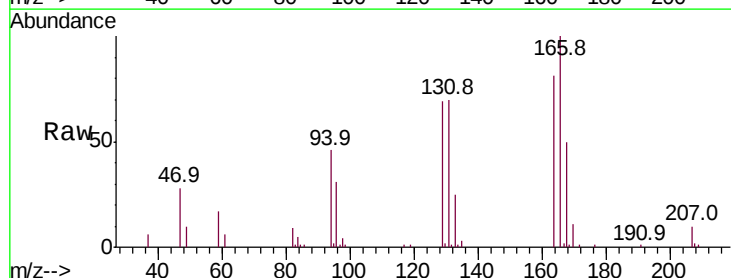
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

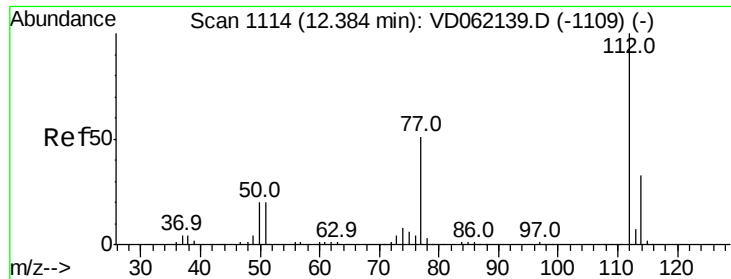
Tot Ion:117 Resp: 772006
Ion Ratio Lower Upper
117 100
82 49.5 36.2 54.2
119 31.5 26.2 39.4



#64
Tetrachloroethene
Concen: 17.326 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion:164 Resp: 104595
Ion Ratio Lower Upper
164 100
166 122.9 101.5 152.3
129 84.3 74.6 112.0
131 86.0 72.6 108.8

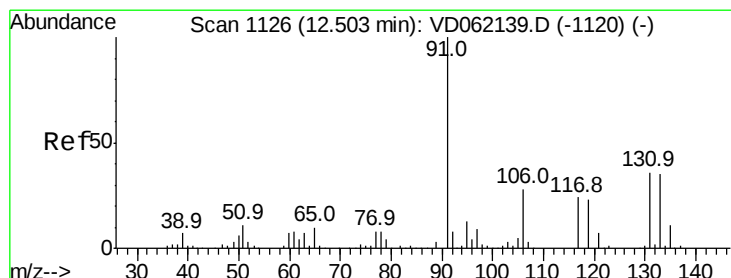
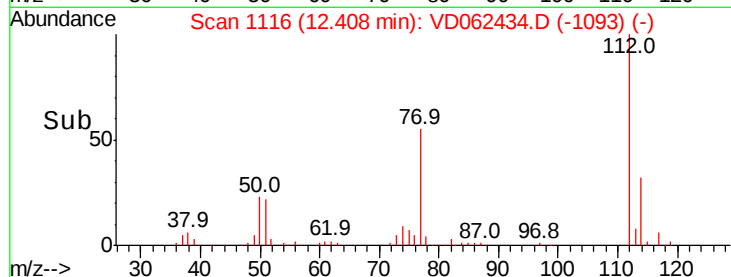
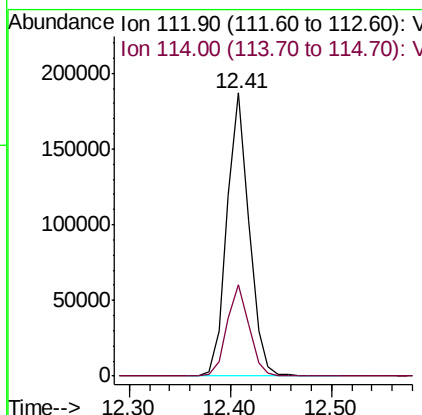
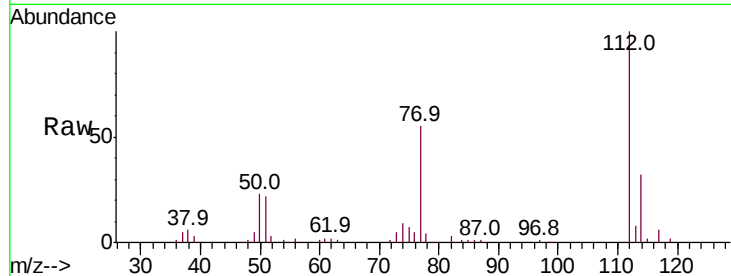




#65
Chlorobenzene
Concen: 19.810 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

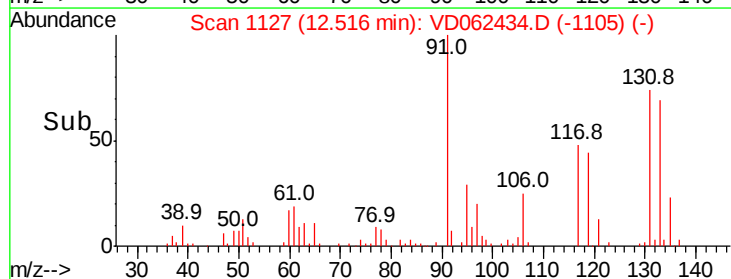
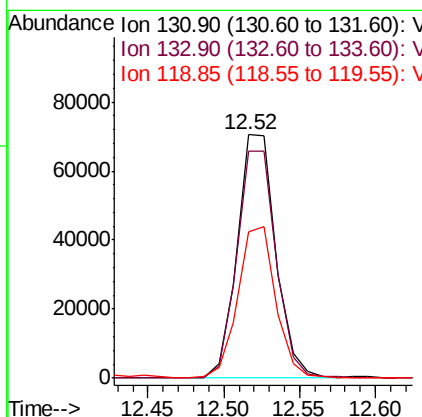
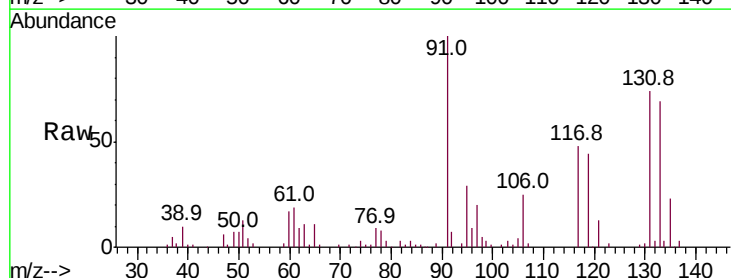
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

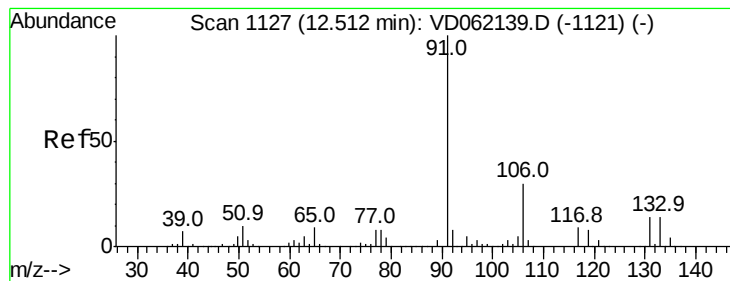
Tot Ion:112 Resp: 284843
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.914 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion:131 Resp: 124620
Ion Ratio Lower Upper
131 100
133 93.3 48.6 145.8
119 60.2 34.7 104.1





#67

Ethyl Benzene

Concen: 19.326 ug/l

RT: 12.54 min Scan# 1129

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

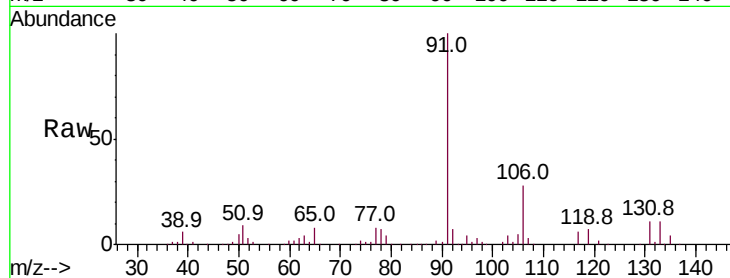
VD0517SBS01

Tot Ion: 91 Resp: 465219

Ion Ratio Lower Upper

91 100

106 28.1 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC

400000

300000

200000

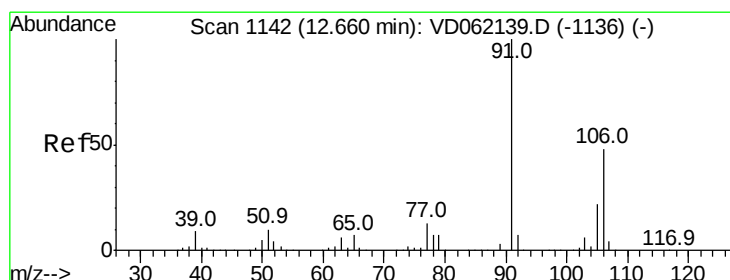
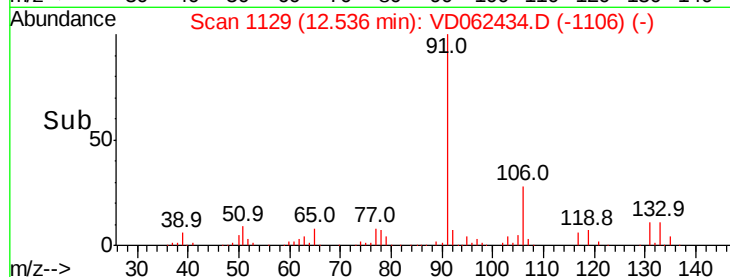
100000

0

12.54

12.60

Time-->



#68

m/p-Xylenes

Concen: 36.459 ug/l

RT: 12.67 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD062434.D

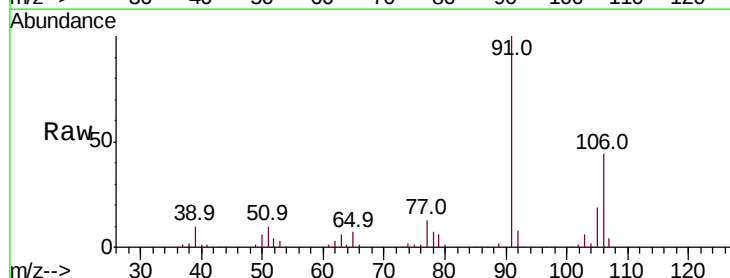
Acq: 17 May 2019 12:48

Tgt Ion:106 Resp: 319307

Ion Ratio Lower Upper

106 100

91 229.3 164.0 246.0



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

400000

300000

200000

100000

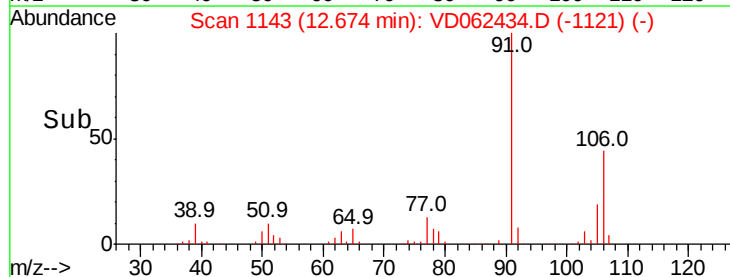
0

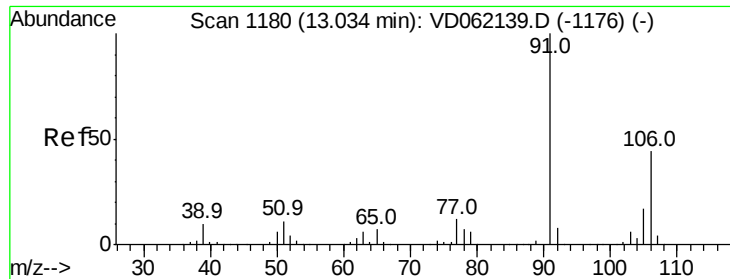
12.67

12.70

12.80

Time-->

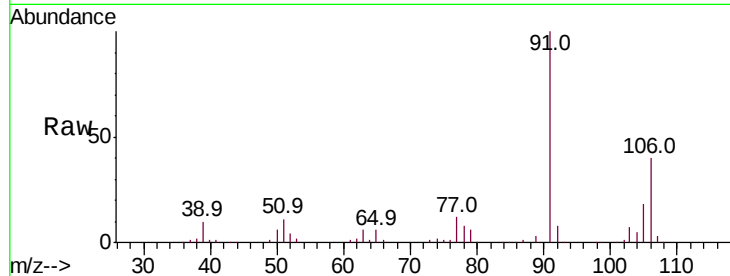




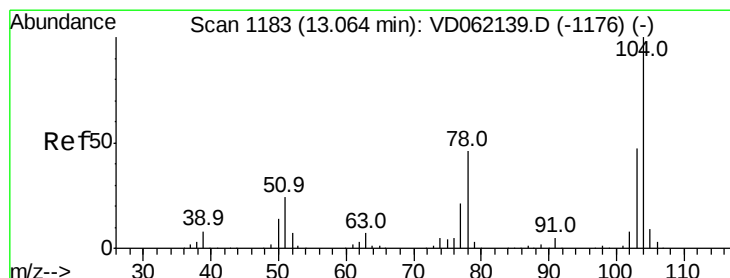
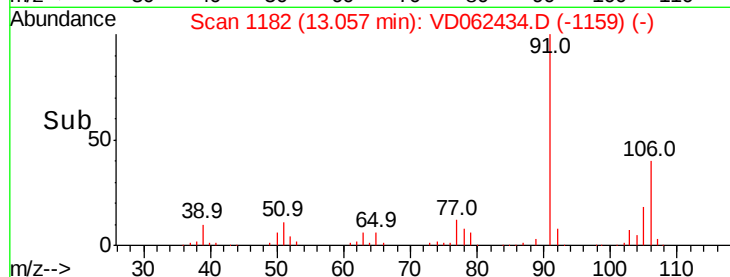
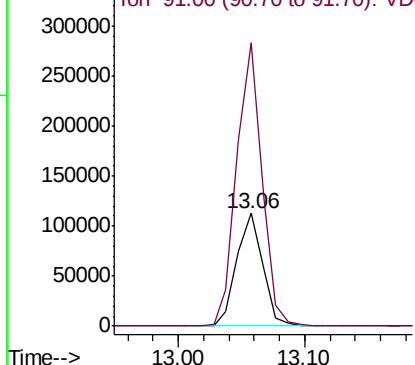
#69
o-Xylene
Concen: 19.623 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

Tot Ion:106 Resp: 159775
Ion Ratio Lower Upper
106 100
91 251.5 106.7 319.9

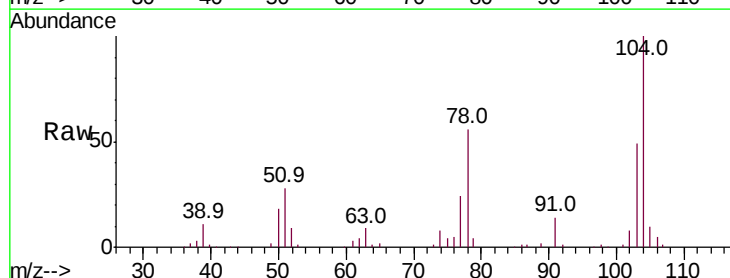


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

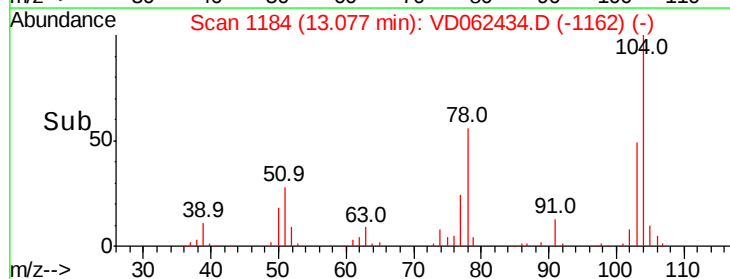
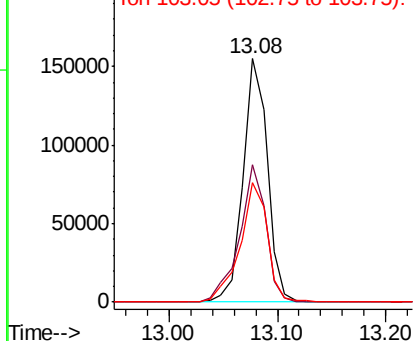


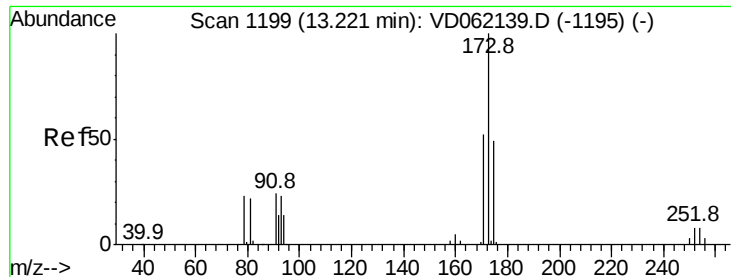
#70
Styrene
Concen: 17.475 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion:104 Resp: 241039
Ion Ratio Lower Upper
104 100
78 56.3 35.4 53.2#
103 49.3 37.5 56.3



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: 18.843 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

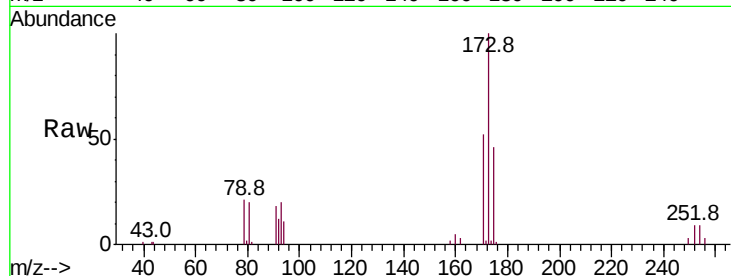
Tot Ion:173 Resp: 82037

Ion Ratio Lower Upper

173 100

175 45.9 24.4 73.4

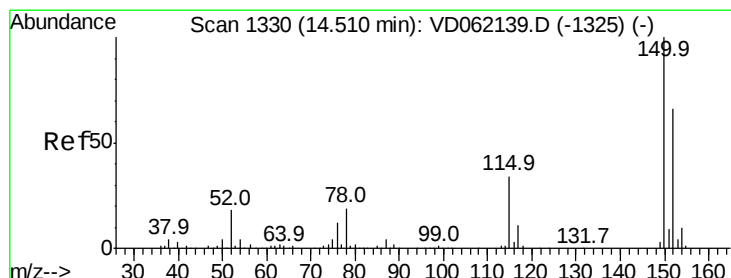
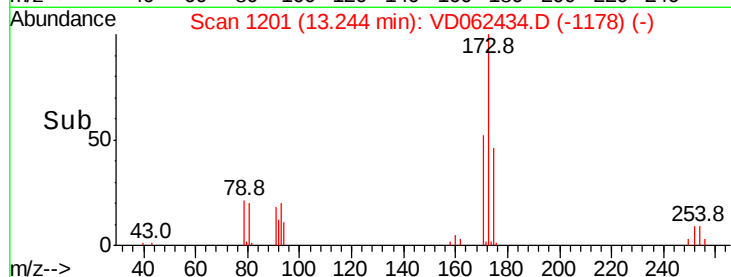
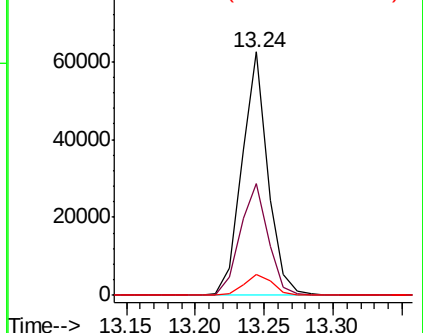
254 8.6 5.4 8.2#



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# 1331

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

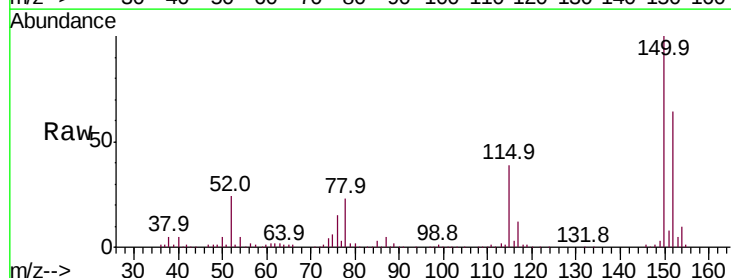
Tgt Ion:152 Resp: 408833

Ion Ratio Lower Upper

152 100

115 61.3 30.9 92.7

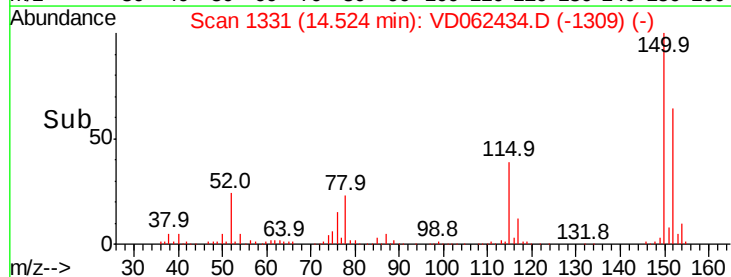
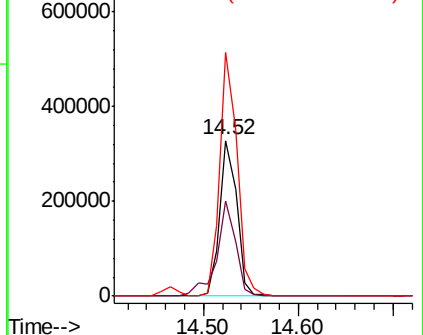
150 156.5 0.0 314.8

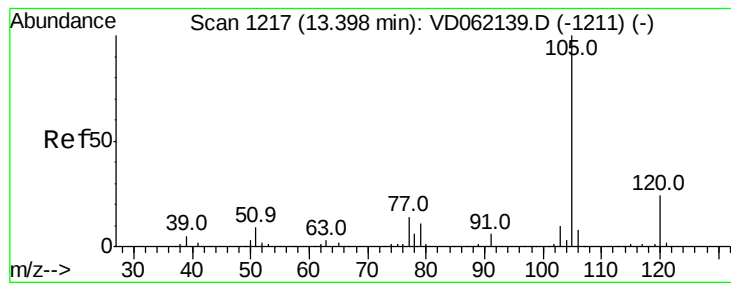


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.452 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

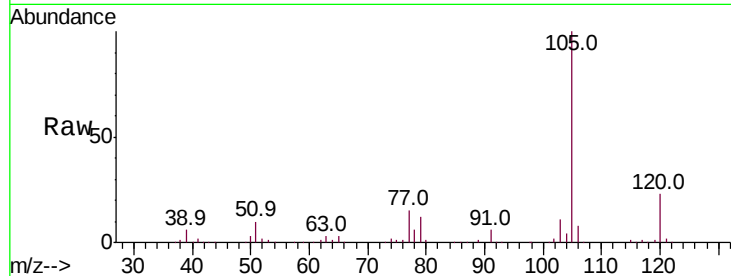
VD0517SBS01

Tot Ion:105 Resp: 476714

Ion Ratio Lower Upper

105 100

120 22.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

400000

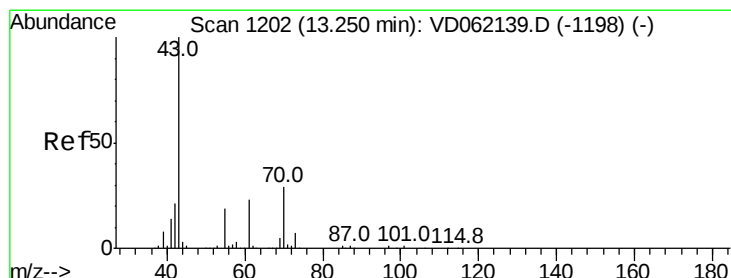
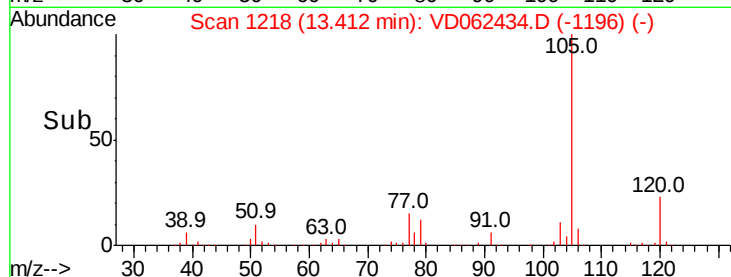
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.982 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Tgt Ion: 43 Resp: 121965

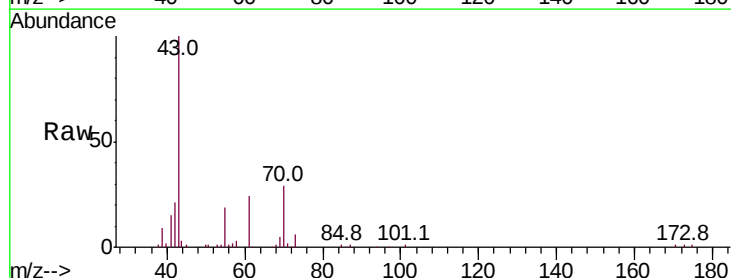
Ion Ratio Lower Upper

43 100

70 28.7 24.2 36.4

55 18.7 16.0 24.0

61 23.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

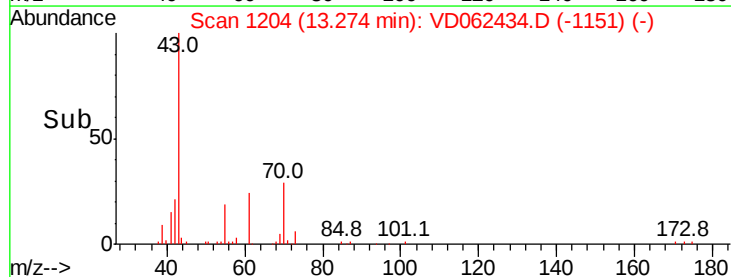
150000

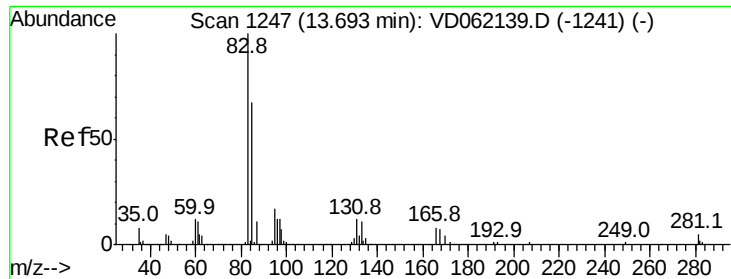
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.331 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

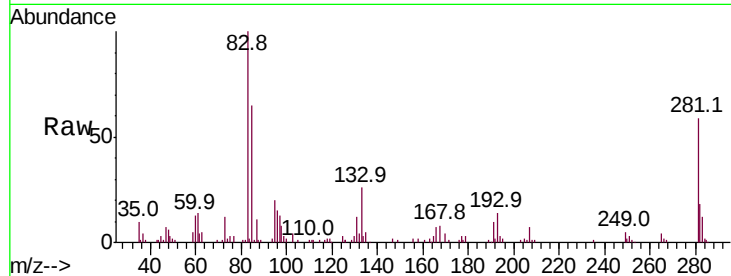
Tot Ion: 83 Resp: 89683

Ion Ratio Lower Upper

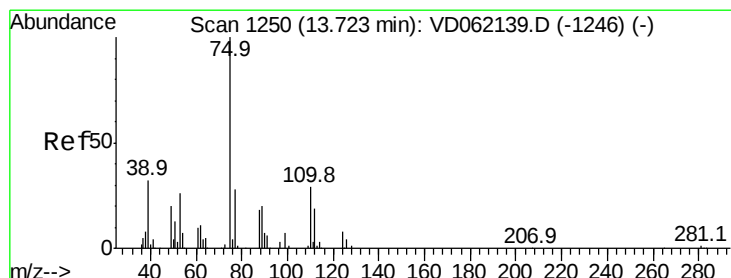
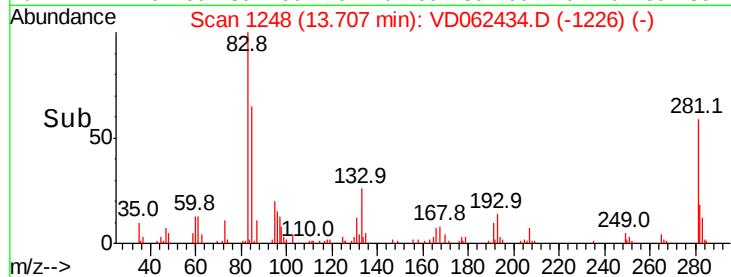
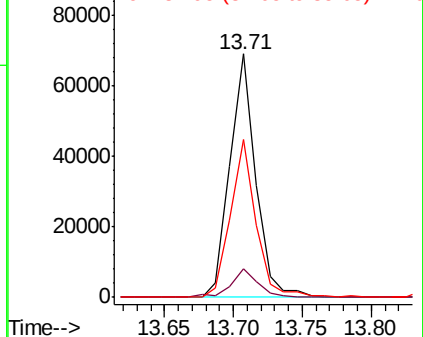
83 100

131 11.8 5.0 14.9

85 64.6 32.6 97.7



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: 19.341 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062434.D

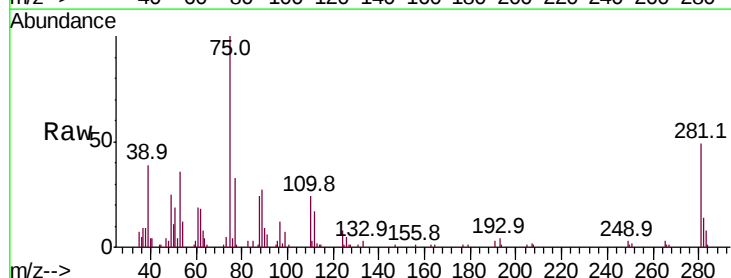
Acq: 17 May 2019 12:48

Tgt Ion: 75 Resp: 93969

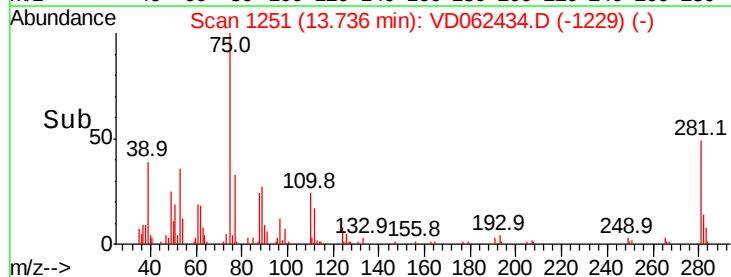
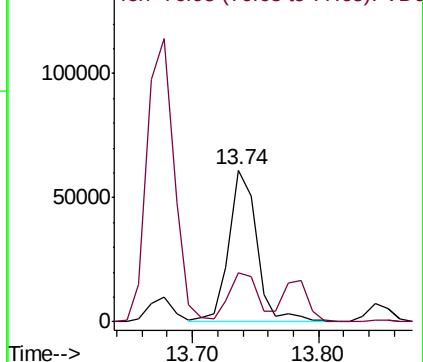
Ion Ratio Lower Upper

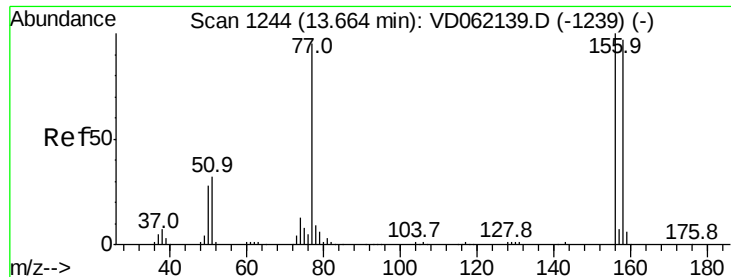
75 100

77 32.8 16.4 49.4



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





#77

Bromobenzene

Concen: 19.377 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

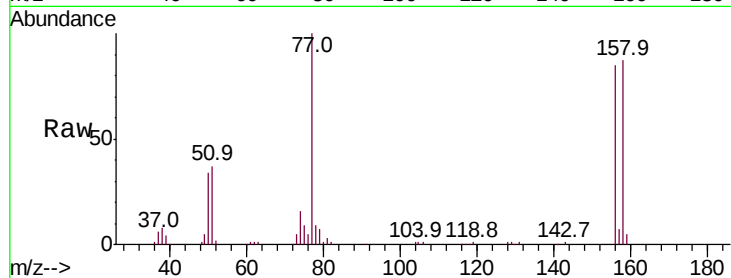
Tot Ion:156 Resp: 132930

Ion Ratio Lower Upper

156 100

77 117.5 53.1 159.4

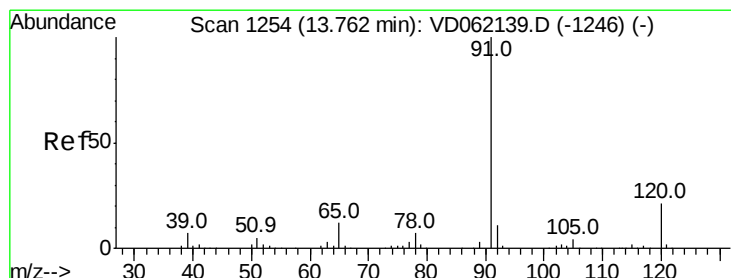
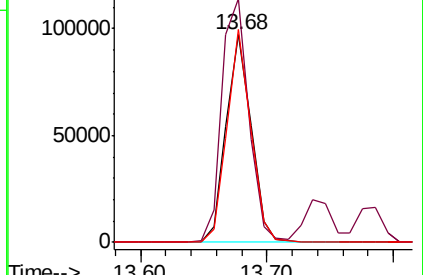
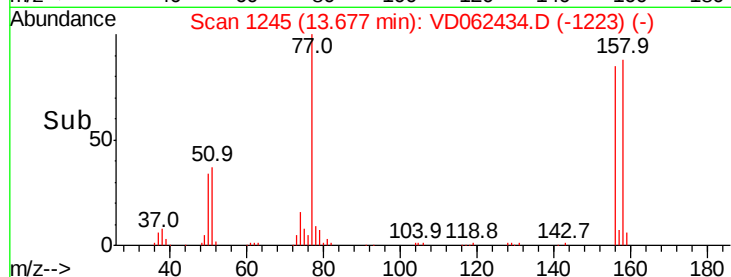
158 102.5 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.241 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062434.D

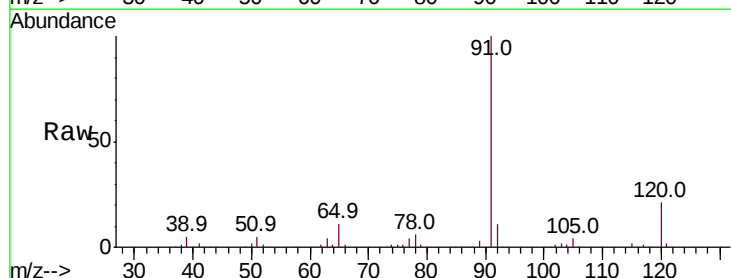
Acq: 17 May 2019 12:48

Tgt Ion: 91 Resp: 562488

Ion Ratio Lower Upper

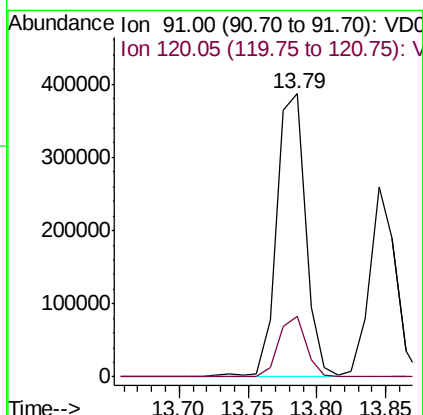
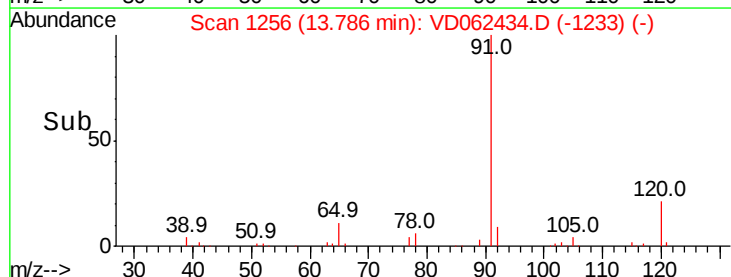
91 100

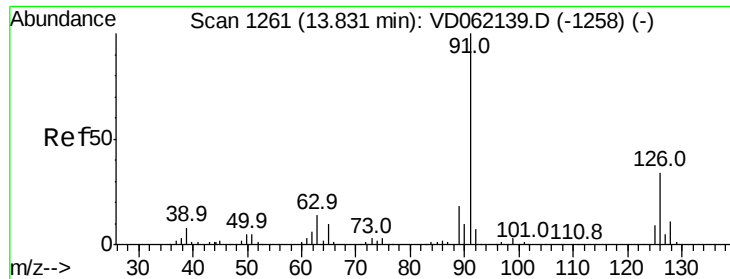
120 21.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

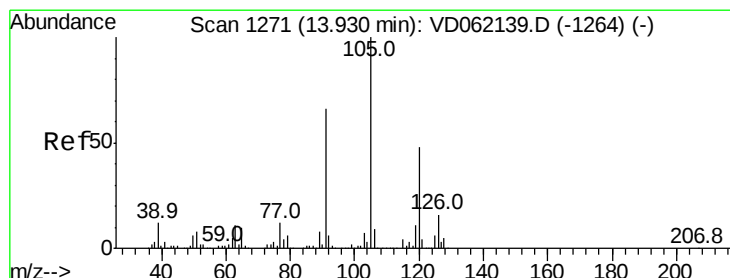
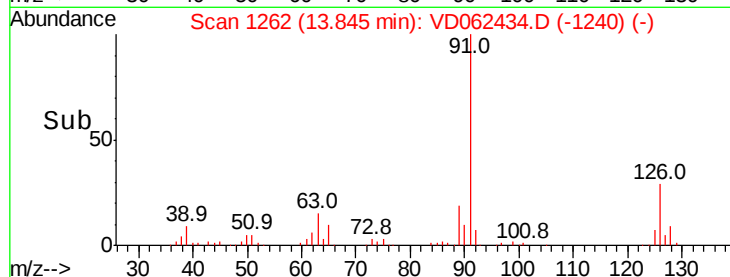
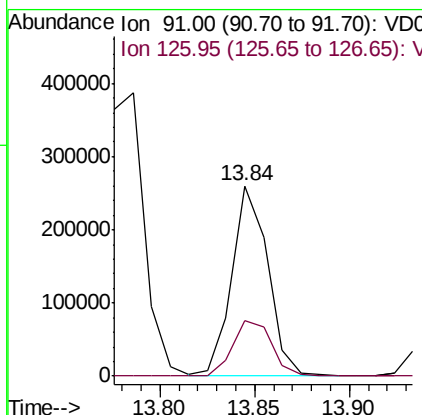
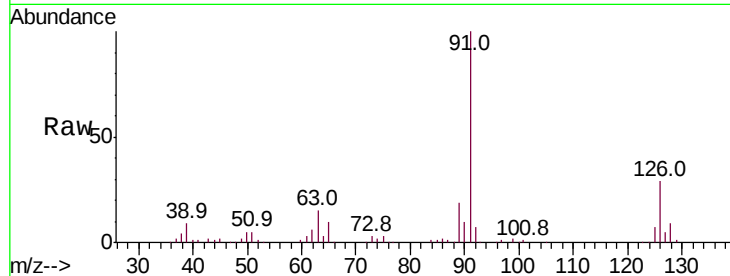




#79
 2-Chlorotoluene
 Concen: 20.179 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

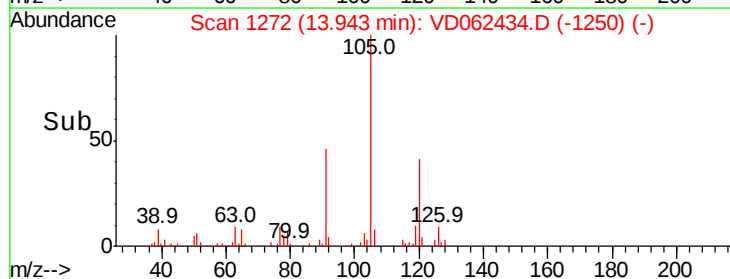
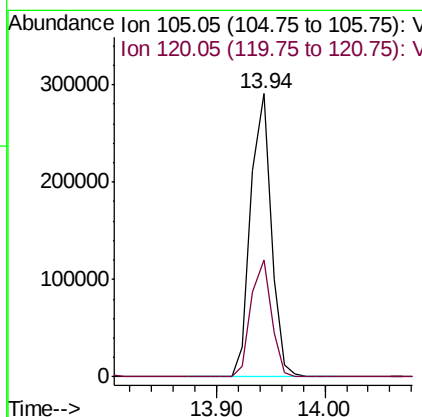
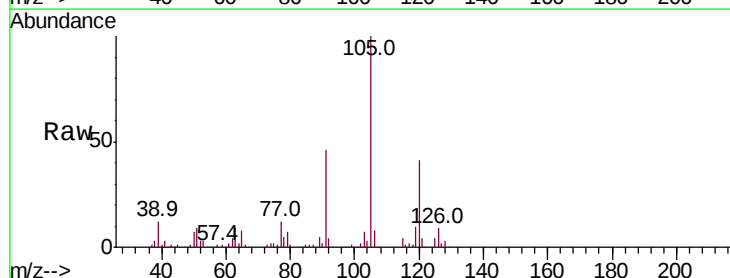
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

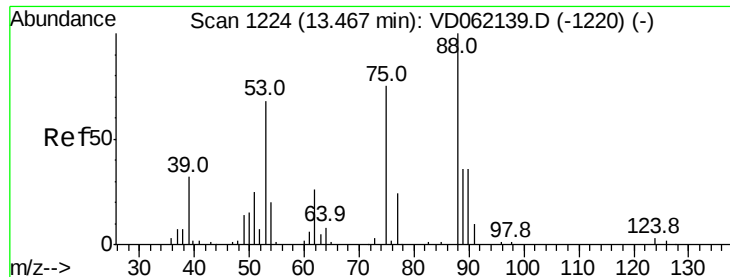
Tot Ion: 91 Resp: 337851
 Ion Ratio Lower Upper
 91 100
 126 29.1 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 18.664 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Tgt Ion:105 Resp: 385154
 Ion Ratio Lower Upper
 105 100
 120 41.2 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.034 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

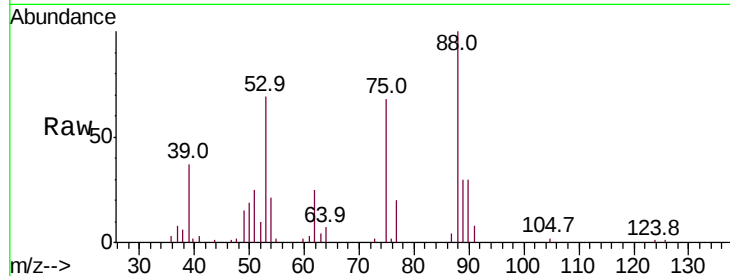
Tot Ion: 75 Resp: 26108

Ion Ratio Lower Upper

75 100

53 101.9 65.8 98.8#

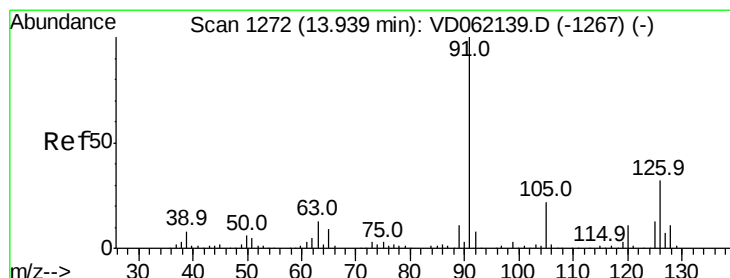
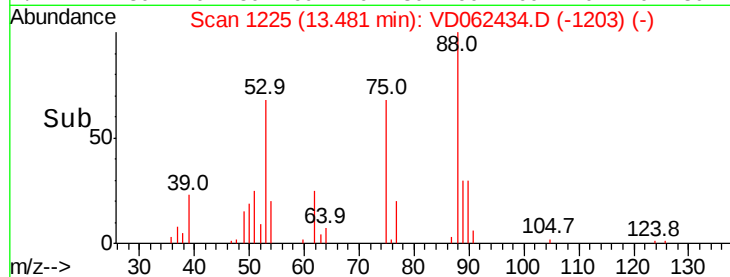
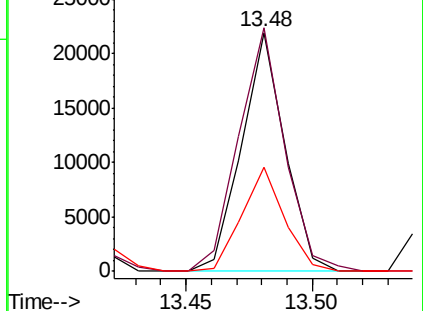
89 43.4 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.574 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062434.D

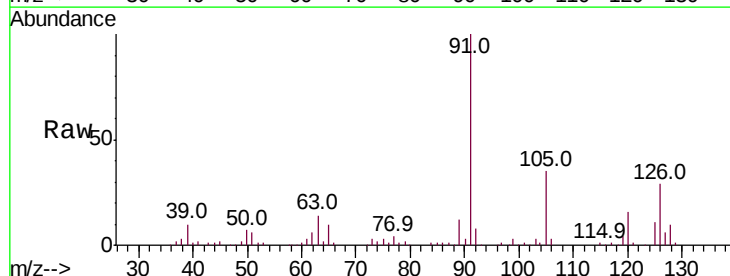
Acq: 17 May 2019 12:48

Tgt Ion: 91 Resp: 385643

Ion Ratio Lower Upper

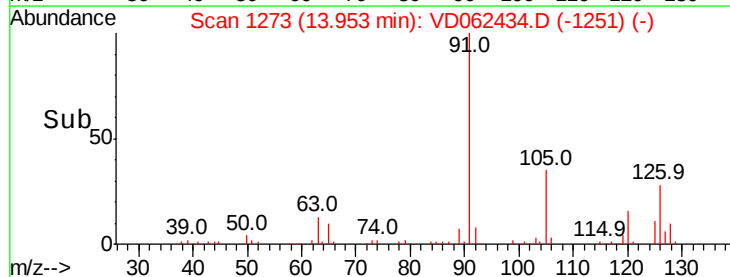
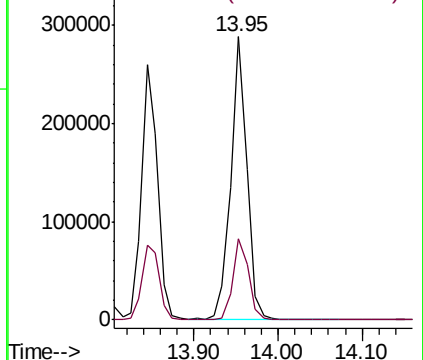
91 100

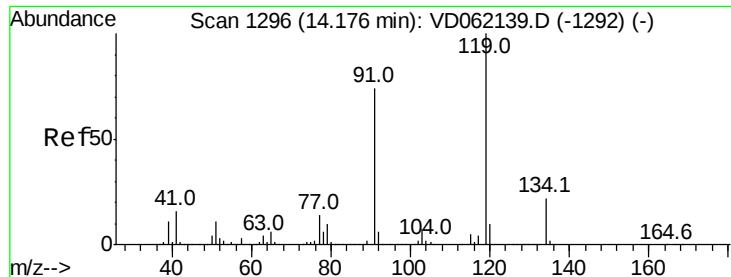
126 28.8 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 19.741 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.02 min

Lab File: VD062434.D

Acq: 17 May 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

VD0517SBS01

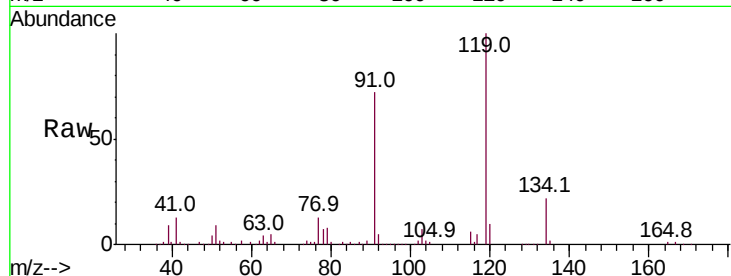
Tot Ion:119 Resp: 457904

Ion Ratio Lower Upper

119 100

91 71.7 34.2 102.6

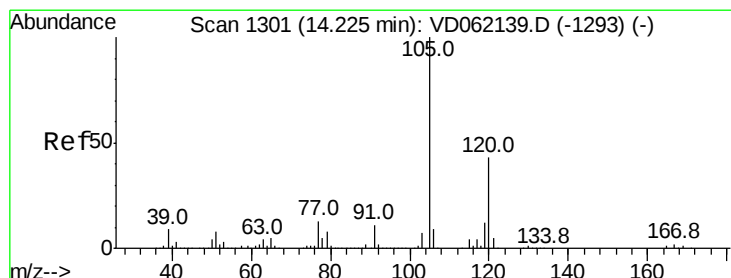
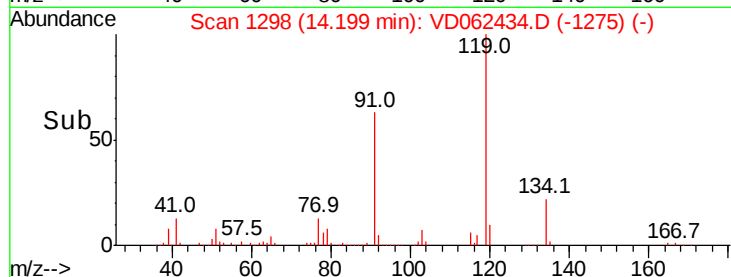
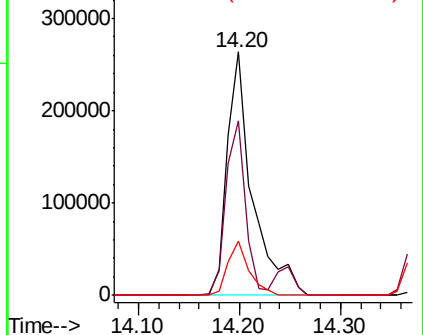
134 22.2 12.0 36.0



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: 19.433 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD062434.D

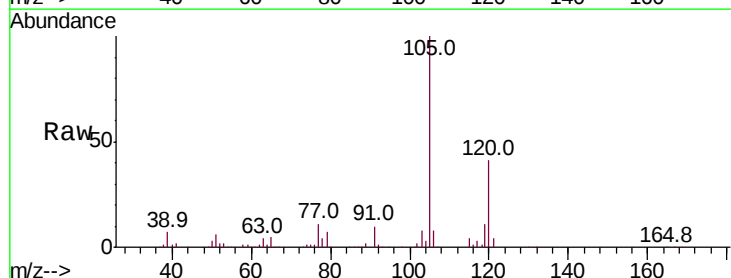
Acq: 17 May 2019 12:48

Tgt Ion:105 Resp: 402432

Ion Ratio Lower Upper

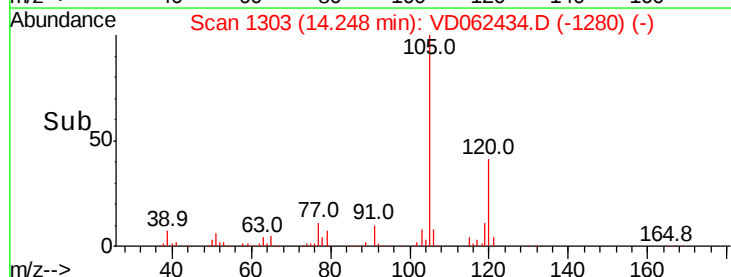
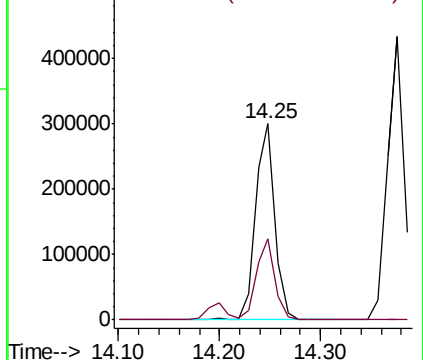
105 100

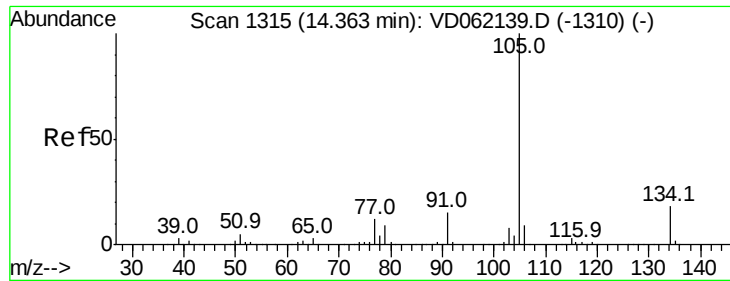
120 41.4 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

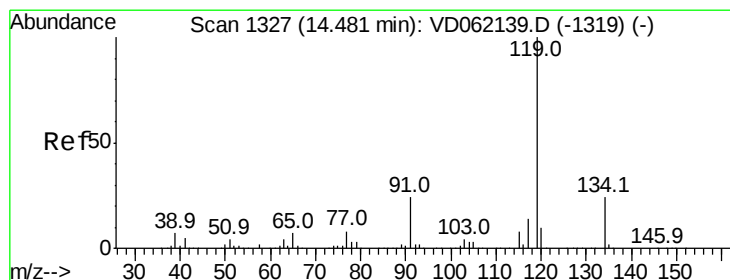
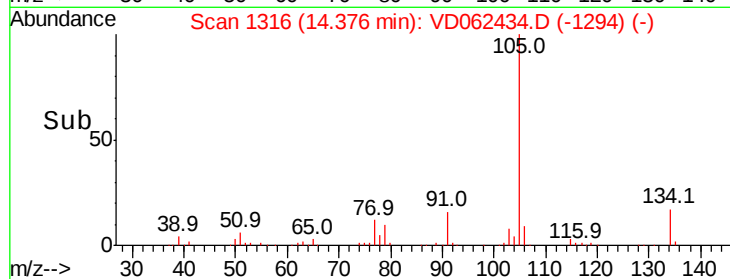
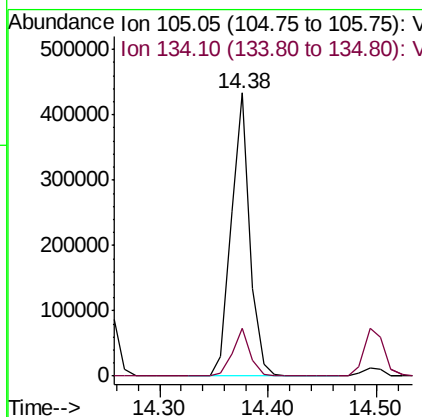
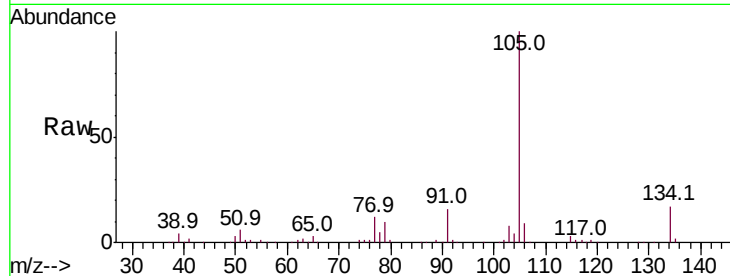




#85
 sec-Butylbenzene
 Concen: 20.308 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

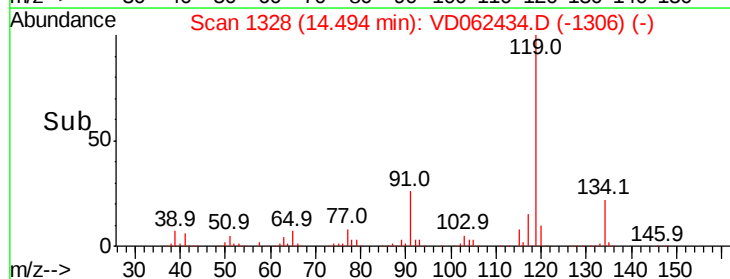
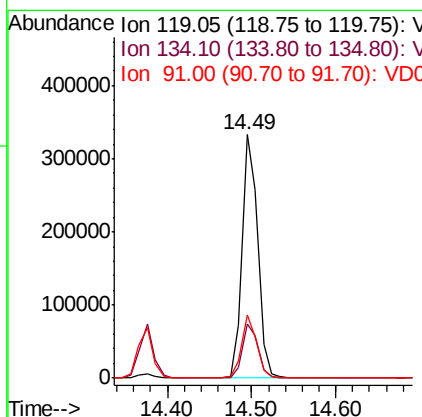
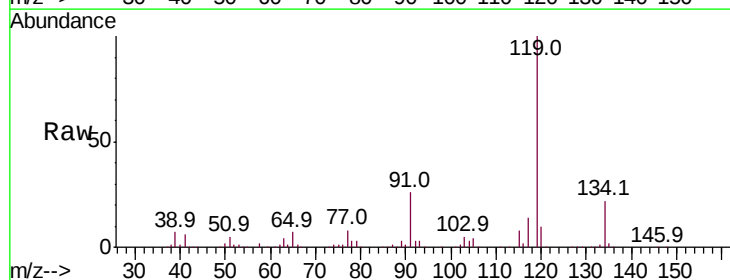
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

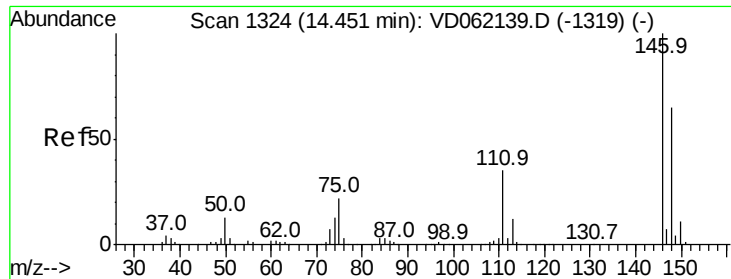
Tot Ion:105 Resp: 516467
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 18.850 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Tgt Ion:119 Resp: 428305
 Ion Ratio Lower Upper
 119 100
 134 22.0 12.8 38.3
 91 26.2 10.7 32.1

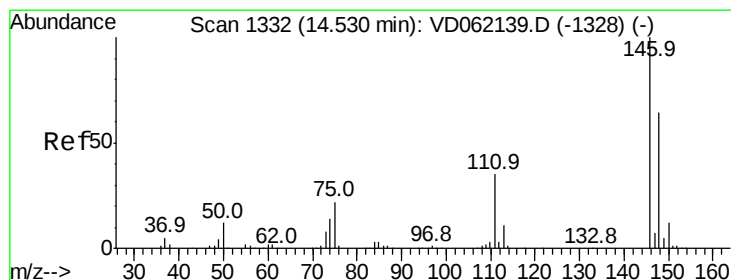
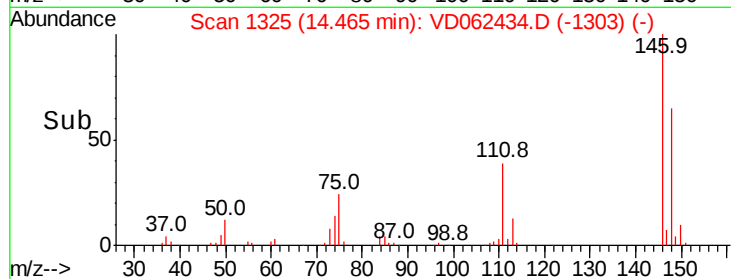
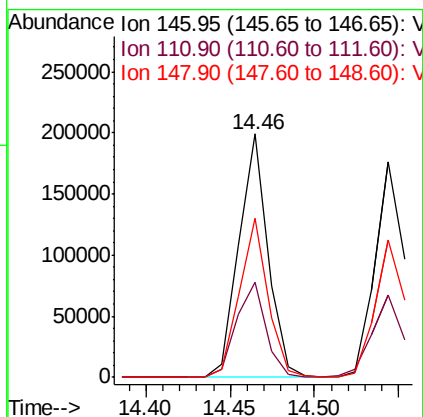
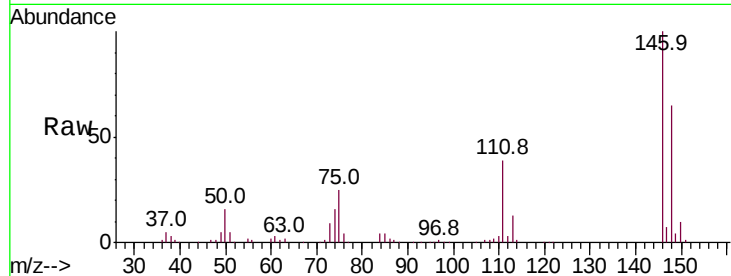




#87
 1,3-Dichlorobenzene
 Concen: 19.042 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

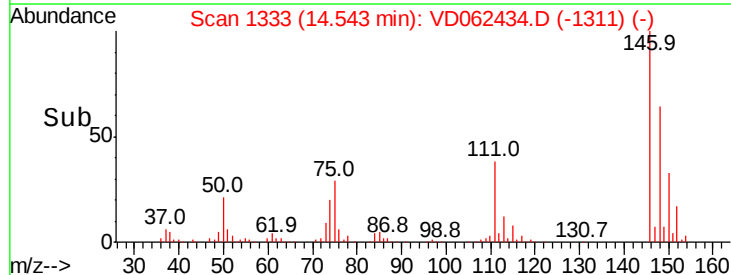
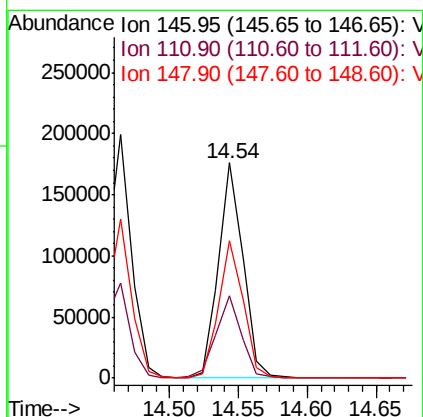
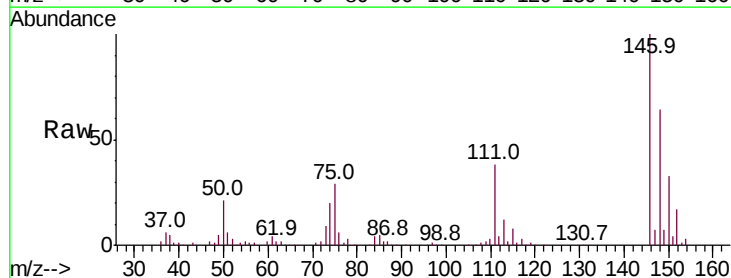
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

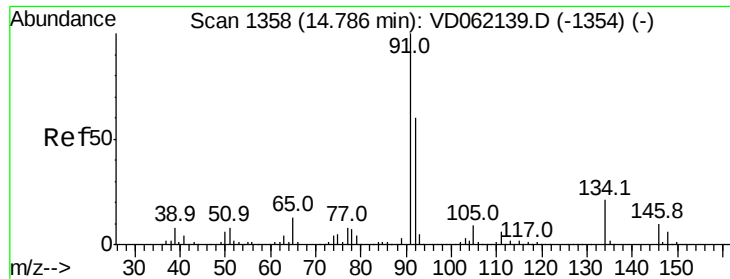
Tot Ion:146 Resp: 238636
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.0 60.0
 148 65.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 17.567 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Tgt Ion:146 Resp: 216319
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.2 60.5
 148 64.2 32.0 96.2

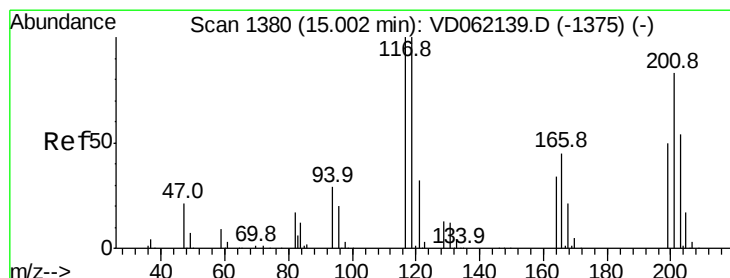
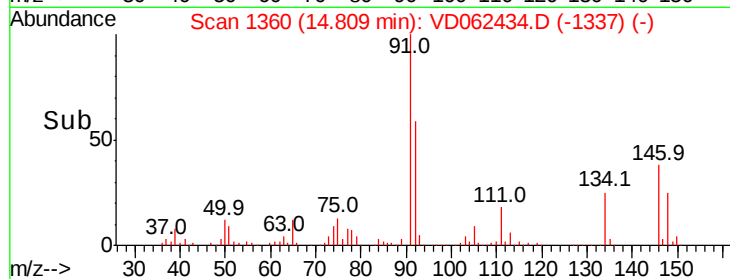
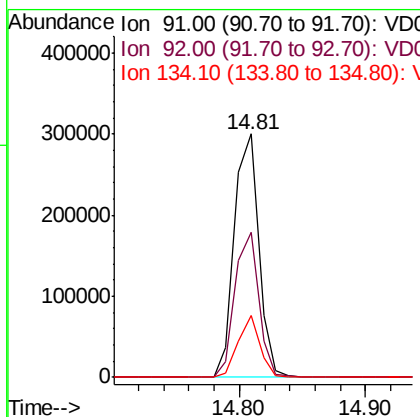
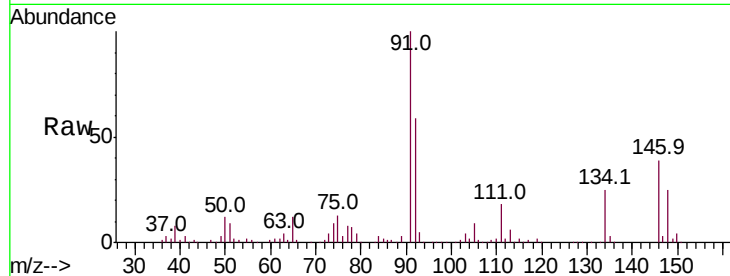




#89
n-Butylbenzene
Concen: 19.731 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

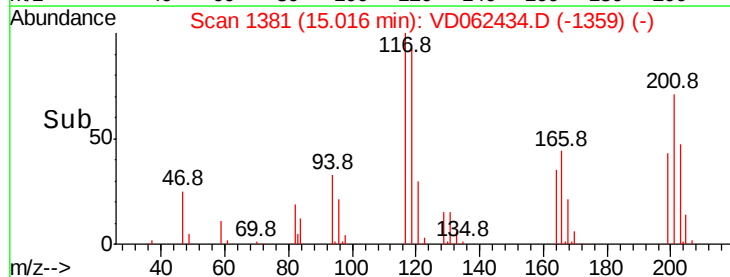
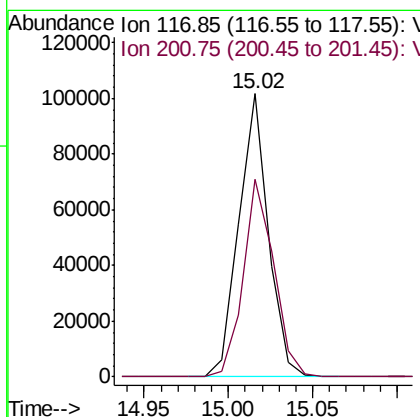
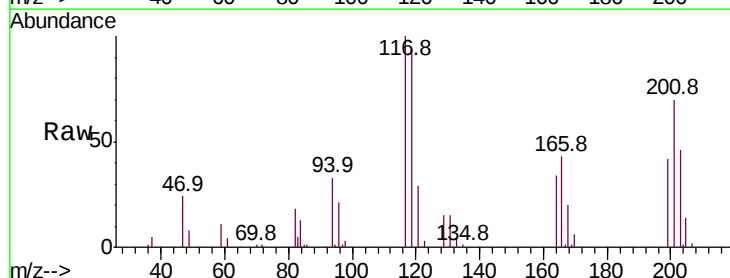
Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

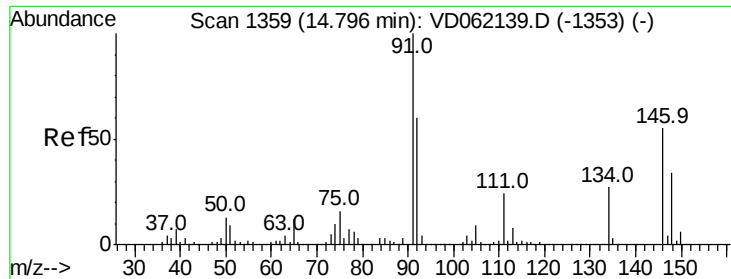
Tot Ion: 91 Resp: 402403
Ion Ratio Lower Upper
91 100
92 59.3 30.3 91.0
134 25.4 14.5 43.6



#90
Hexachloroethane
Concen: 19.902 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion: 117 Resp: 122977
Ion Ratio Lower Upper
117 100
201 69.6 30.2 90.6

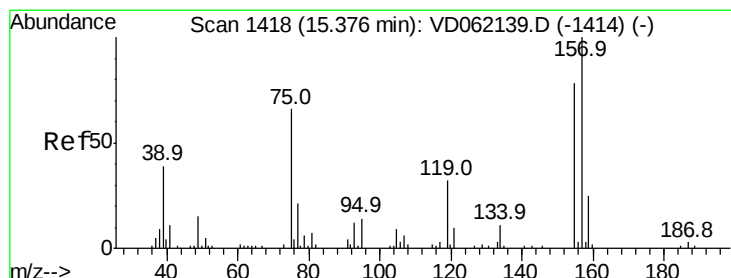
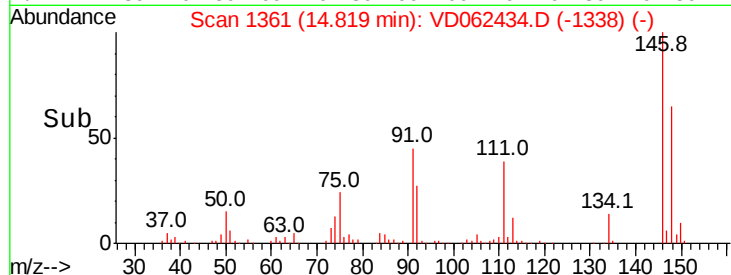
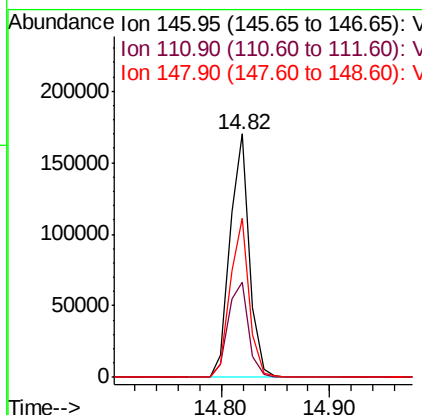
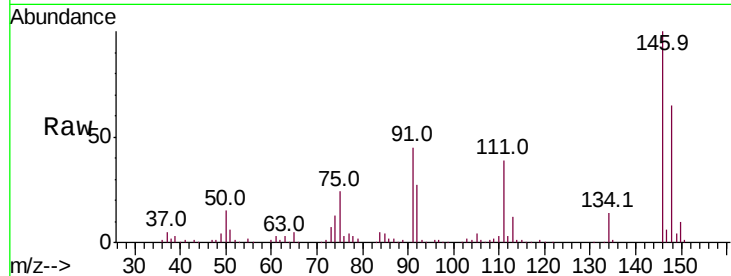




#91
 1,2-Dichlorobenzene
 Concen: 20.536 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

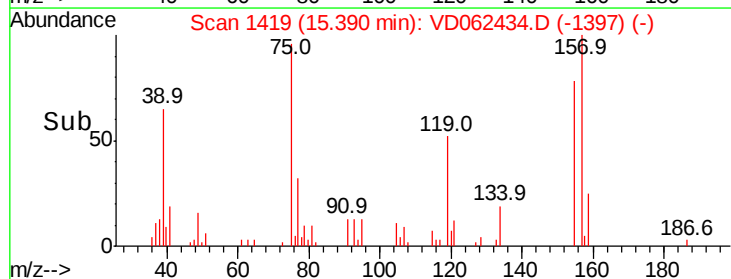
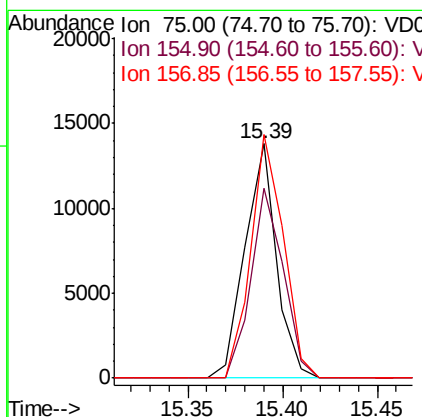
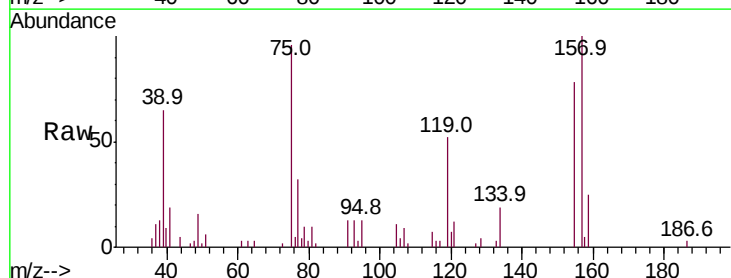
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

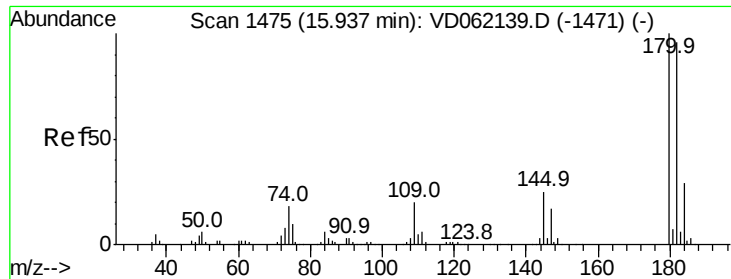
Tot Ion:146 Resp: 211950
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.0 59.9
 148 65.3 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.799 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Tgt Ion: 75 Resp: 15840
 Ion Ratio Lower Upper
 75 100
 155 81.3 55.3 165.8
 157 104.0 67.8 203.2

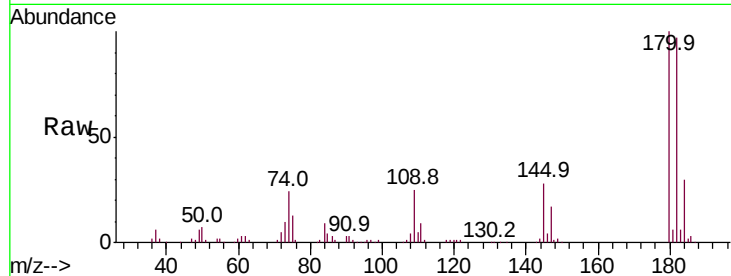




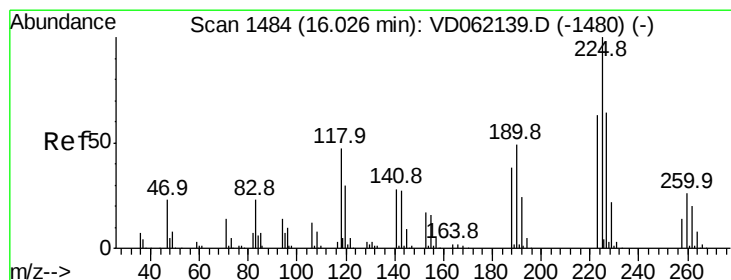
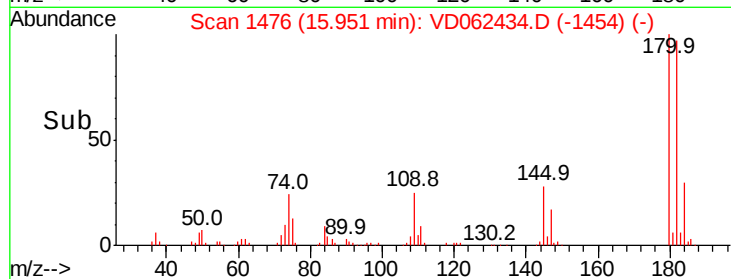
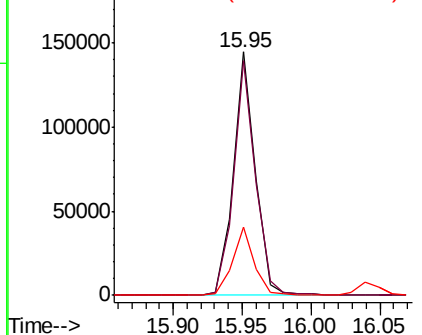
#93
 1,2,4-Trichlorobenzene
 Concen: 21.280 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	49.3	147.8
145	28.0	16.2	48.6

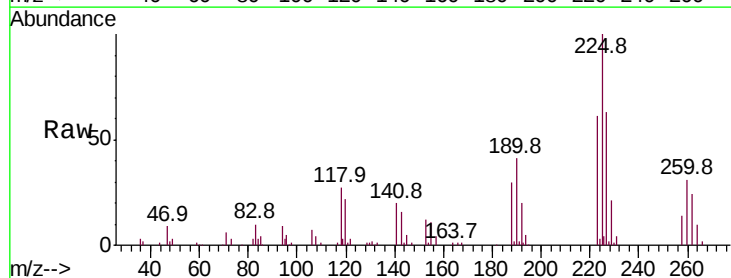


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

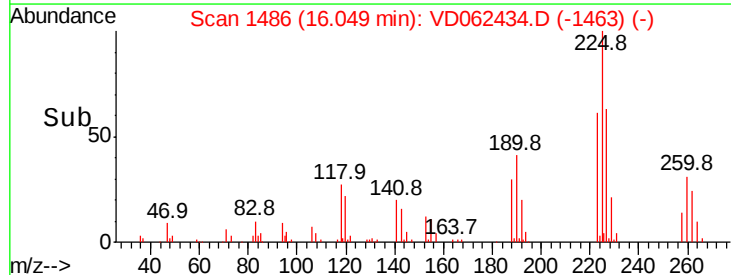
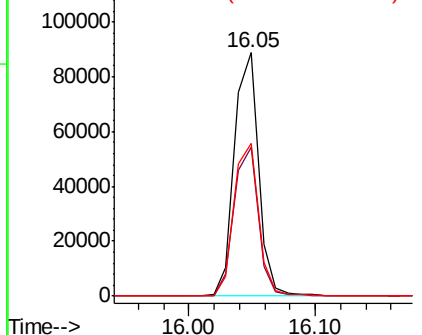


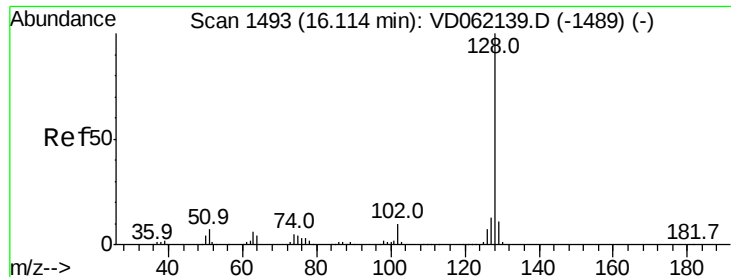
#94
 Hexachlorobutadiene
 Concen: 20.963 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062434.D
 Acq: 17 May 2019 12:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	30.6	92.0
227	62.8	32.0	96.2



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

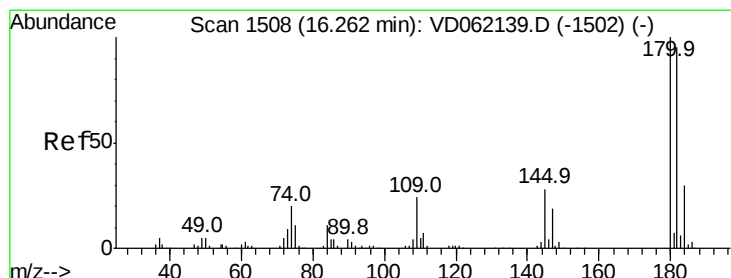
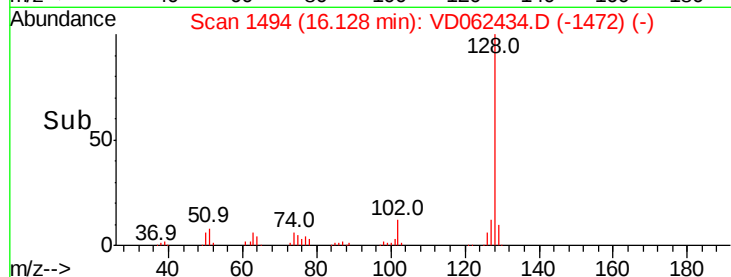
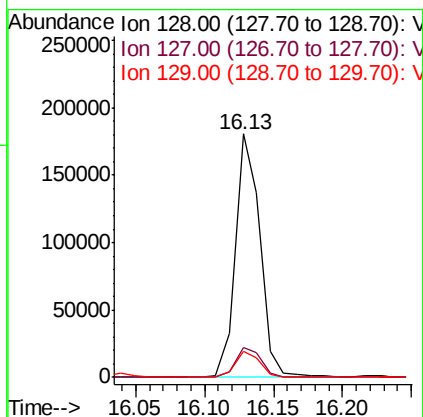
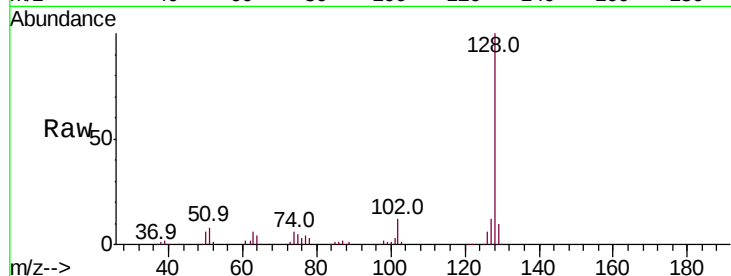




#95
Naphthalene
Concen: 21.288 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Instrument :
MSVOA_D
ClientSampleId :
VD0517SBS01

Tot Ion:128 Resp: 223273
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.242 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062434.D
Acq: 17 May 2019 12:48

Tgt Ion:180 Resp: 123949
Ion Ratio Lower Upper
180 100
182 100.8 47.0 141.0
145 31.7 17.0 51.0

