

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062252.D
 Acq On : 12 May 2019 11:51
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 13 01:30:54 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	7.06	168	897968	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1218377	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	1028957	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	526185	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	411902	49.36	ug/l	0.04
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	6.94	113	500160	49.48	ug/l	0.05
Spiked Amount	50.000		Recovery	=	98.96%	
50) Toluene-d8	10.43	98	1120128	45.96	ug/l	0.03
Spiked Amount	50.000		Recovery	=	91.92%	
62) 4-Bromofluorobenzene	13.57	95	477738	48.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	429533	50.014	ug/l	100
3) Chloromethane	1.76	50	275813	44.445	ug/l	100
4) Vinyl Chloride	1.85	62	290636	47.654	ug/l	98
5) Bromomethane	2.16	94	88403	61.861	ug/l	93
6) Chloroethane	2.28	64	137416	53.696	ug/l	97
7) Trichlorofluoromethane	2.54	101	670562	56.554	ug/l	97
8) Diethyl Ether	2.89	74	86638	37.887	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.16	101	438624	48.902	ug/l	95
10) Methyl Iodide	3.32	142	585864	43.218	ug/l #	88
11) Tert butyl alcohol	4.08	59	109226	256.421	ug/l	96
12) 1,1-Dichloroethene	3.14	96	340947	49.796	ug/l	92
13) Acrolein	3.05	56	88777	201.502	ug/l	87
14) Allyl chloride	3.64	41	474165	47.630	ug/l #	86
15) Acrylonitrile	4.22	53	259570	231.837	ug/l #	86
16) Acetone	3.23	43	528422	301.952	ug/l #	86
17) Carbon Disulfide	3.39	76	932564	47.347	ug/l	100
18) Methyl Acetate	3.66	43	139569	44.559	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	735548	50.120	ug/l	96
20) Methylene Chloride	3.83	84	357761	48.962	ug/l	90
21) trans-1,2-Dichloroethene	4.24	96	377122	49.498	ug/l	94
22) Diisopropyl ether	5.14	45	1060006	50.036	ug/l	95
23) Vinyl Acetate	5.07	43	3135462	280.522	ug/l	97
24) 1,1-Dichloroethane	5.00	63	622727	48.727	ug/l	99
25) 2-Butanone	6.09	43	544729	285.370	ug/l	97
26) 2,2-Dichloropropane	6.04	77	739468	58.087	ug/l	92
27) cis-1,2-Dichloroethene	6.06	96	456912	53.577	ug/l	98
28) Bromochloromethane	6.46	49	289317	57.540	ug/l	89
29) Tetrahydrofuran	6.47	42	217092	246.830	ug/l	94
30) Chloroform	6.68	83	817910	53.104	ug/l	99
31) Cyclohexane	6.97	56	449933	51.388	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	817632	56.164	ug/l	98
36) 1,1-Dichloropropene	7.16	75	555767	55.635	ug/l	95
37) Ethyl Acetate	6.19	43	212265	50.105	ug/l #	91
38) Carbon Tetrachloride	7.13	117	859412	62.157	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	501579	52.405	ug/l	97
40) Benzene	7.47	78	1156884	51.286	ug/l	97
41) Methacrylonitrile	6.46	41	273020	52.736	ug/l	90
42) 1,2-Dichloroethane	7.59	62	522408	54.661	ug/l	96
43) Isopropyl Acetate	9.26	43	317636	52.867	ug/l #	96
44) Trichloroethene	8.56	130	463328	53.902	ug/l	83
45) 1,2-Dichloropropane	8.96	63	283705	50.847	ug/l	99
46) Dibromomethane	9.08	93	241237	53.168	ug/l	92
47) Bromodichloromethane	9.39	83	613402	55.270	ug/l	98
48) Methyl methacrylate	9.14	41	201320	54.399	ug/l #	88
49) 1,4-Dioxane	9.10	88	39112	979.516	ug/l #	94
51) 4-Methyl-2-Pentanone	10.32	43	1030861	266.916	ug/l	96
52) Toluene	10.52	92	765080	52.128	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	533800	55.650	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	586121	56.012	ug/l	91
55) 1,1,2-Trichloroethane	11.20	97	272388	52.453	ug/l	97
56) Ethyl methacrylate	11.06	69	267917	49.648	ug/l #	89
57) 1,3-Dichloropropane	11.42	76	410065	52.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	814851	276.440	ug/l	99
59) 2-Hexanone	11.55	43	723400	254.134	ug/l	92
60) Dibromochloromethane	11.70	129	473953	52.810	ug/l	100
61) 1,2-Dibromoethane	11.81	107	318251	50.408	ug/l	96
64) Tetrachloroethene	11.27	164	397680	49.426	ug/l	95
65) Chlorobenzene	12.40	112	913878	47.686	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	396108	47.491	ug/l	96
67) Ethyl Benzene	12.53	91	1562185	48.690	ug/l	96
68) m/p-Xylenes	12.68	106	1138196	97.506	ug/l	95
69) o-Xylene	13.06	106	497812	45.871	ug/l	90
70) Styrene	13.08	104	926297	50.386	ug/l	96
71) Bromoform	13.24	173	292345	50.379	ug/l	99
73) Isopropylbenzene	13.41	105	1716869	54.433	ug/l	94
74) N-amyl acetate	13.27	43	379389	45.878	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	300127	50.263	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	319964	51.167	ug/l	100
77) Bromobenzene	13.68	156	456603	51.713	ug/l	95
78) n-propylbenzene	13.78	91	1951274	51.861	ug/l	97
79) 2-Chlorotoluene	13.85	91	1105421	51.299	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1360680	51.230	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	88481	50.121	ug/l #	80
82) 4-Chlorotoluene	13.96	91	1247311	49.189	ug/l	92
83) tert-Butylbenzene	14.20	119	1515369	50.760	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	1345377	50.477	ug/l	91
85) sec-Butylbenzene	14.37	105	1672710	51.104	ug/l	95
86) p-Isopropyltoluene	14.50	119	1503450	51.411	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	770062	47.743	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	727215	45.886	ug/l	95
89) n-Butylbenzene	14.81	91	1387740	52.869	ug/l	96
90) Hexachloroethane	15.01	117	402527	50.615	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	640795	48.240	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	52970	54.042	ug/l	73

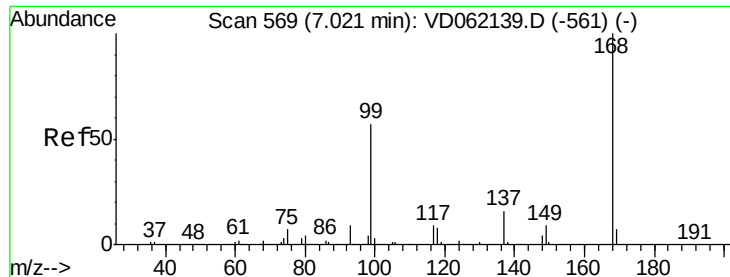
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	555928	57.498	ug/l	94
94) Hexachlorobutadiene	16.05	225	411489	57.221	ug/l	99
95) Naphthalene	16.13	128	732589	54.272	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	370884	61.010	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

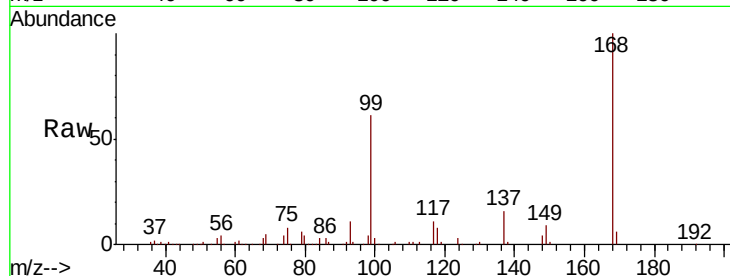
VSTDCCC050

Tot Ion:168 Resp: 897968

Ion Ratio Lower Upper

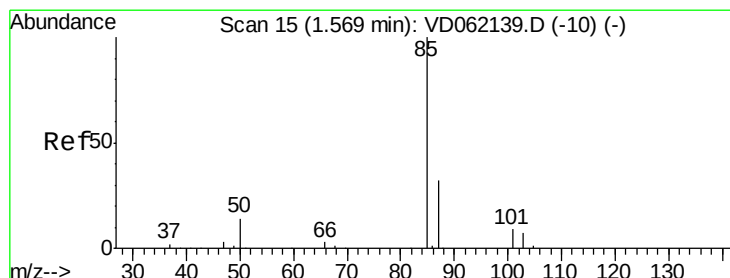
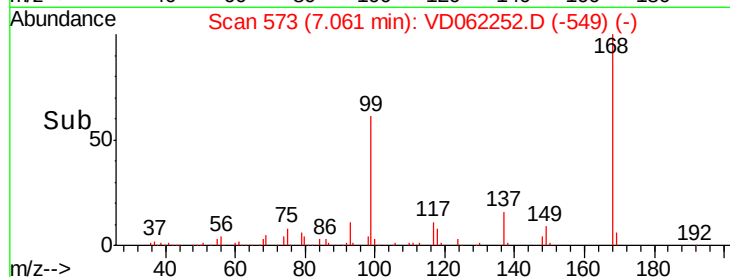
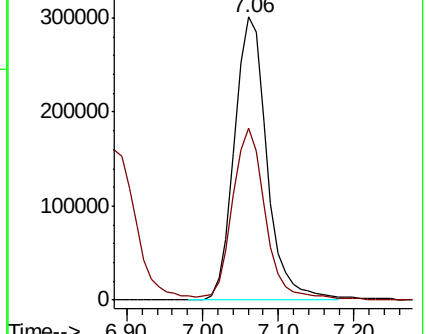
168 100

99 60.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.014 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD062252.D

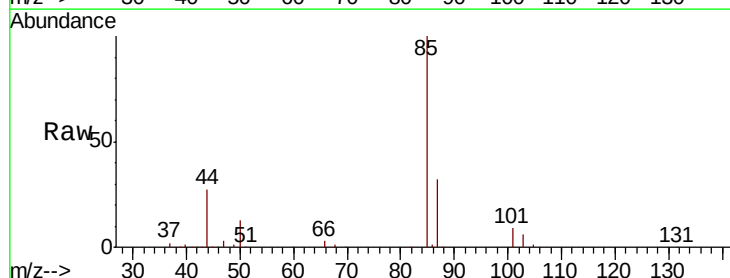
Acq: 12 May 2019 11:51

Tgt Ion: 85 Resp: 429533

Ion Ratio Lower Upper

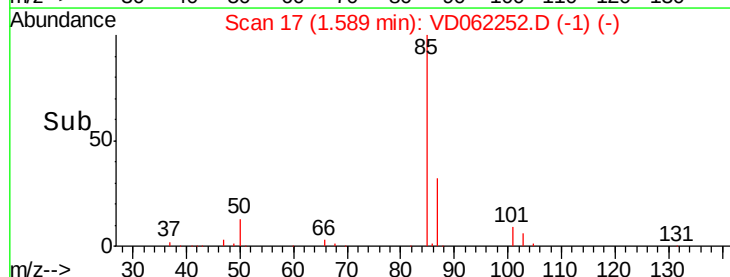
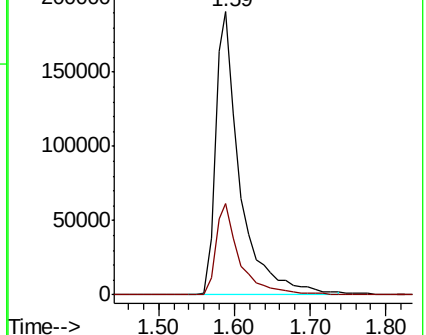
85 100

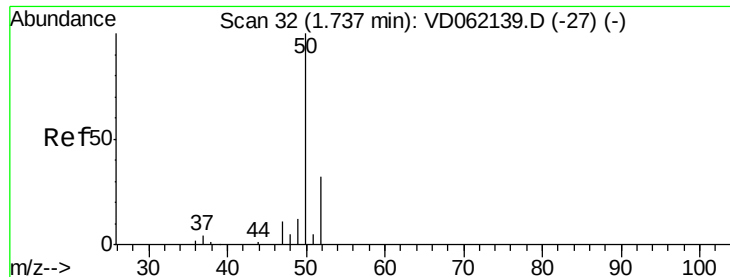
87 32.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.445 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

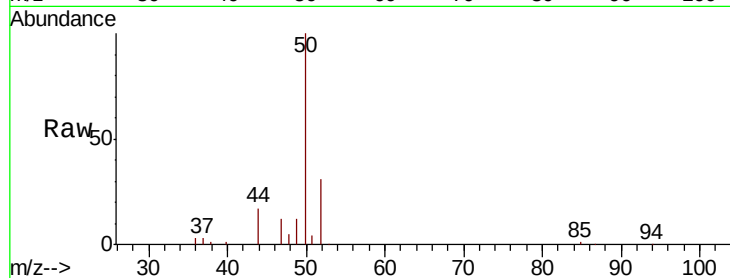
VSTDCCC050

Tot Ion: 50 Resp: 275813

Ion Ratio Lower Upper

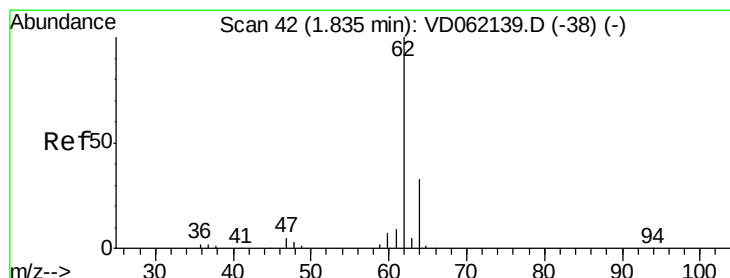
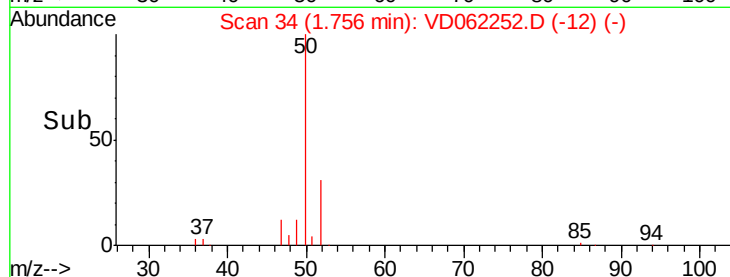
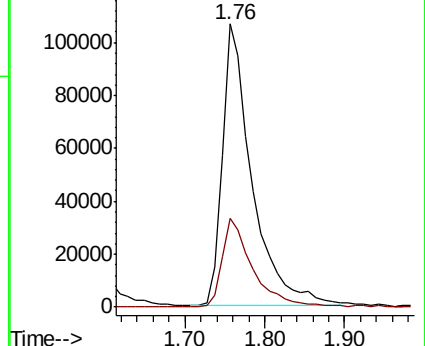
50 100

52 31.3 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: 47.654 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062252.D

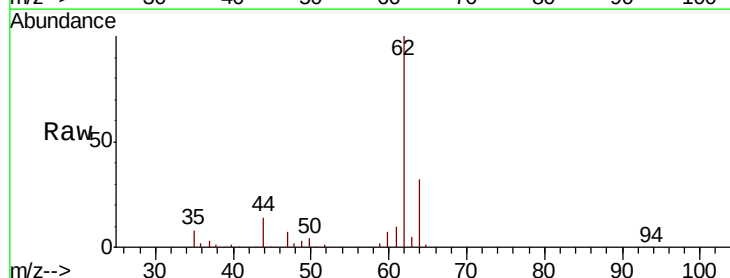
Acq: 12 May 2019 11:51

Tgt Ion: 62 Resp: 290636

Ion Ratio Lower Upper

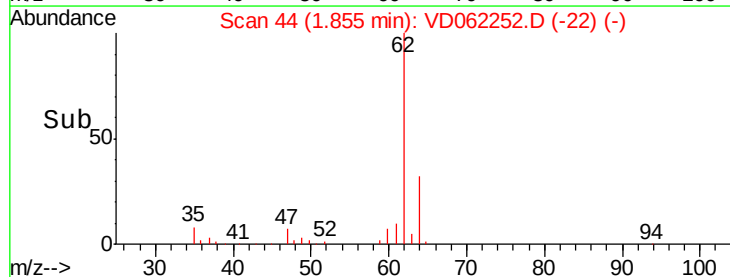
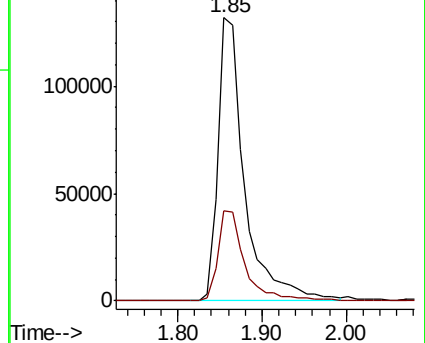
62 100

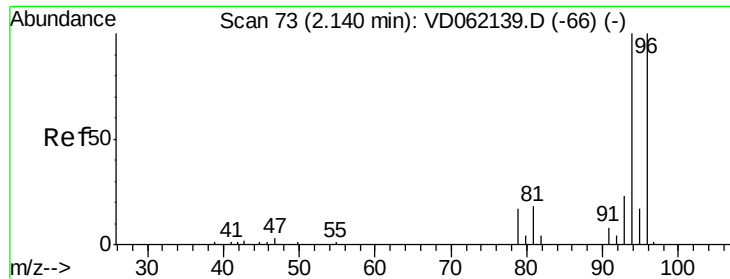
64 32.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 61.861 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

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ClientSampleId :

VSTDCCC050

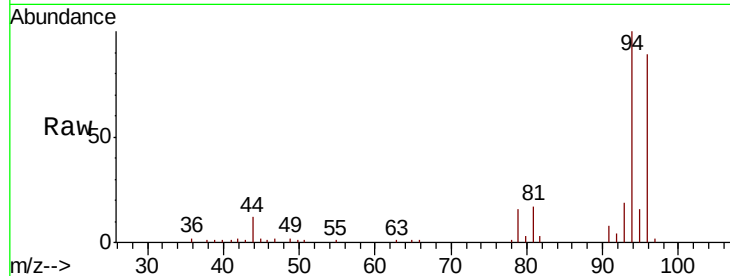
Tot Ion: 94 Resp: 88403

Ion Ratio Lower Upper

94 100

96 89.3 76.6 115.0

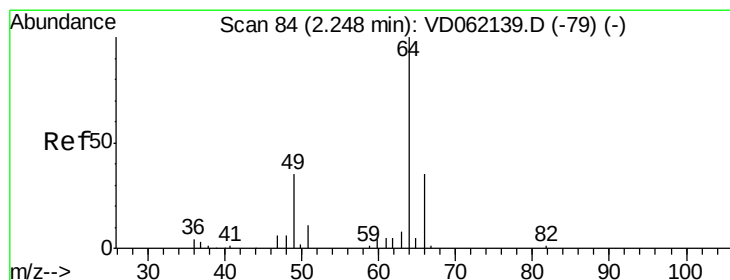
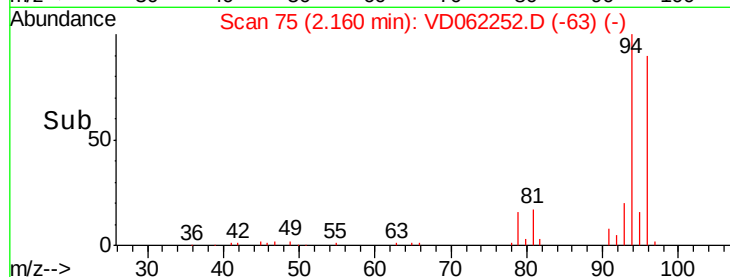
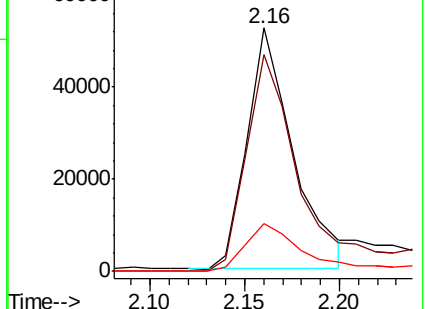
93 19.4 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 53.696 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.03 min

Lab File: VD062252.D

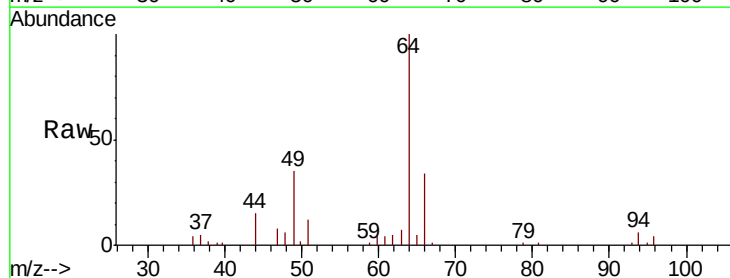
Acq: 12 May 2019 11:51

Tgt Ion: 64 Resp: 137416

Ion Ratio Lower Upper

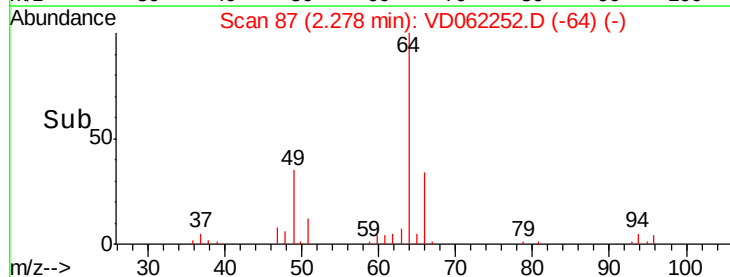
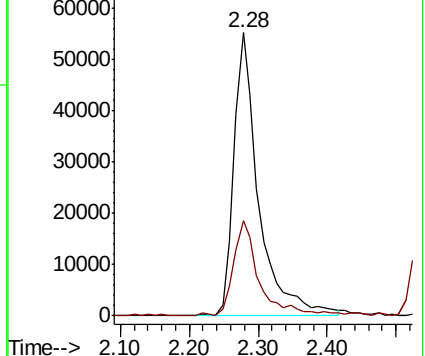
64 100

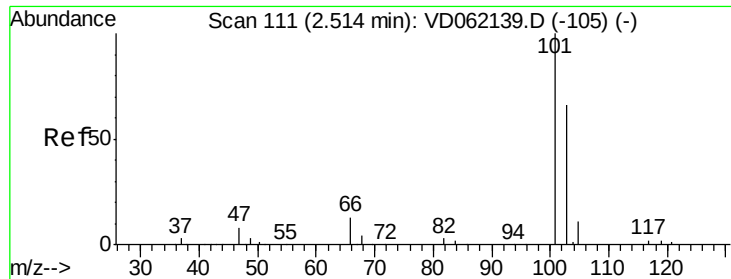
66 33.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



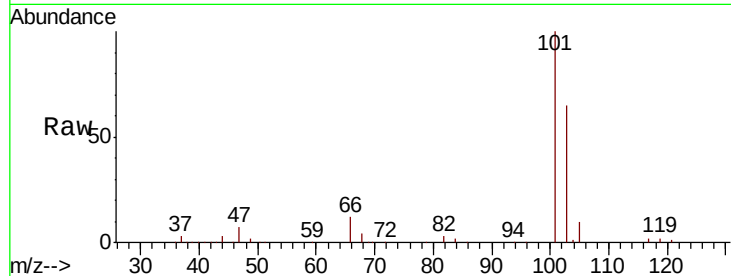


#7

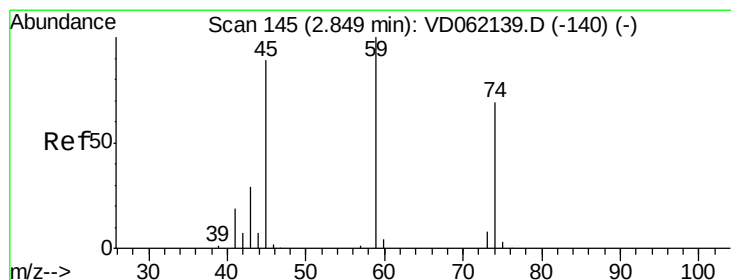
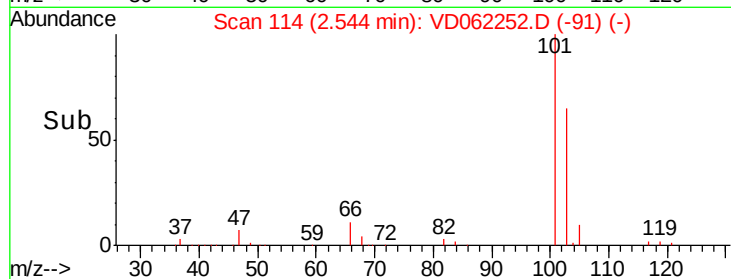
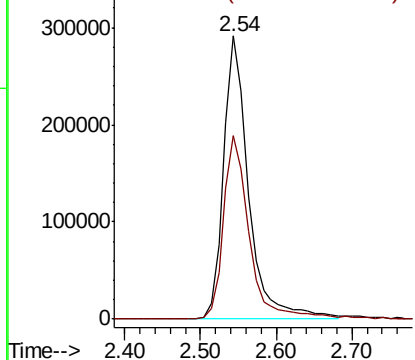
Trichlorofluoromethane
 Concen: 56.554 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.03 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 670562
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.6 80.4



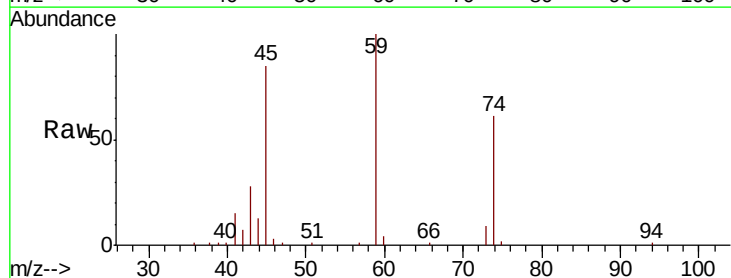
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



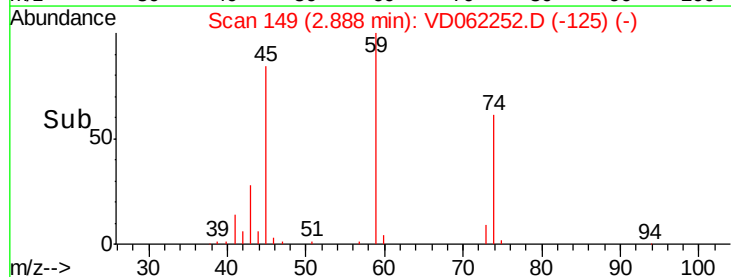
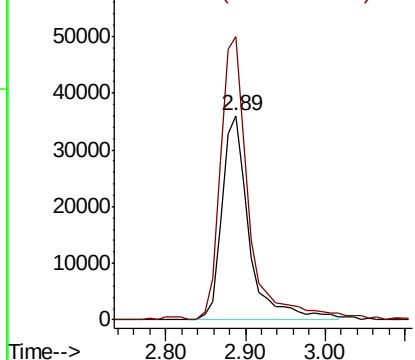
#8

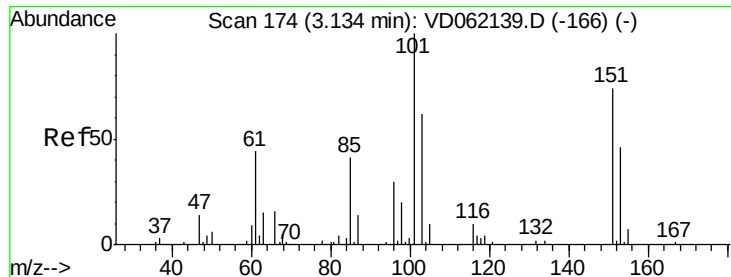
Diethyl Ether
 Concen: 37.887 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.04 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion: 74 Resp: 86638
 Ion Ratio Lower Upper
 74 100
 45 138.6 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: 48.902 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

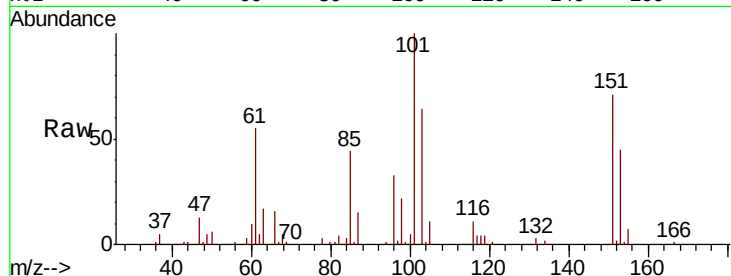
Tot Ion:101 Resp: 438624

Ion Ratio Lower Upper

101 100

85 44.3 32.4 48.6

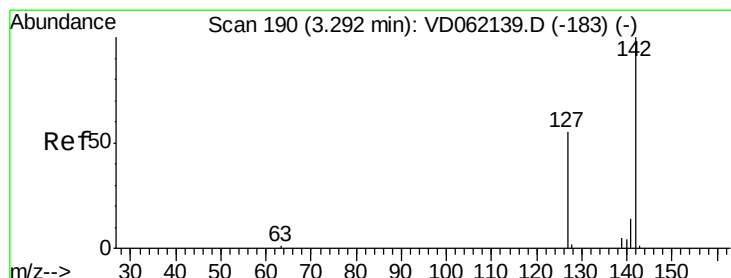
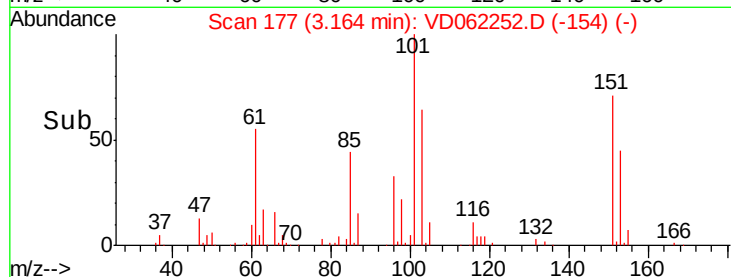
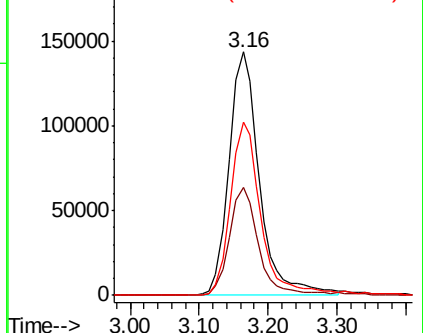
151 70.9 59.4 89.0



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: 43.218 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

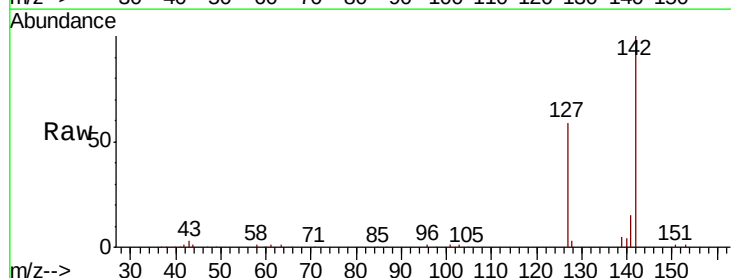
Tgt Ion:142 Resp: 585864

Ion Ratio Lower Upper

142 100

127 58.6 38.8 58.2#

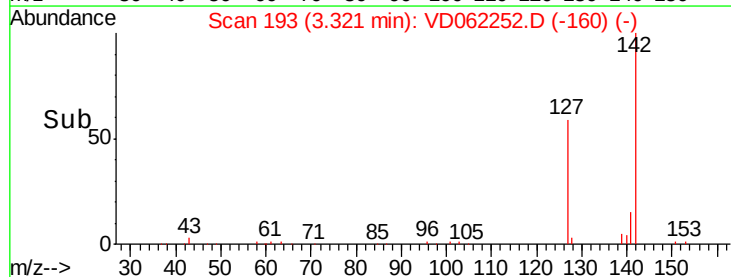
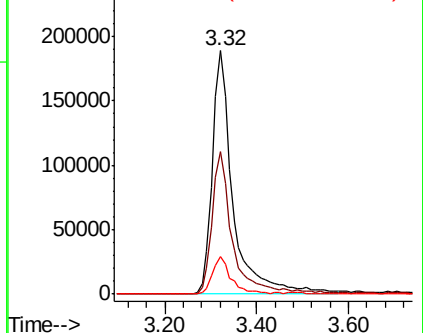
141 15.3 11.4 17.0

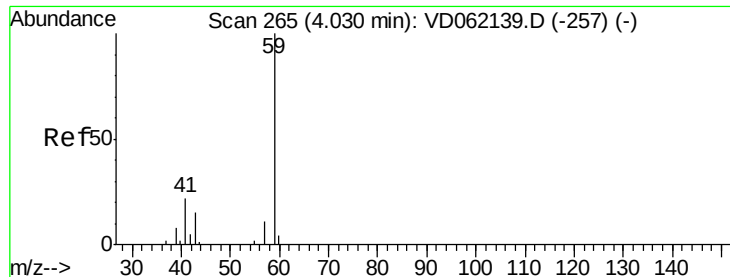


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 256.421 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.05 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

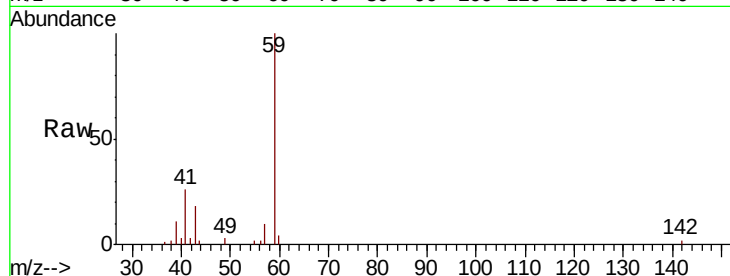
VSTDCCC050

Tot Ion: 59 Resp: 109226

Ion Ratio Lower Upper

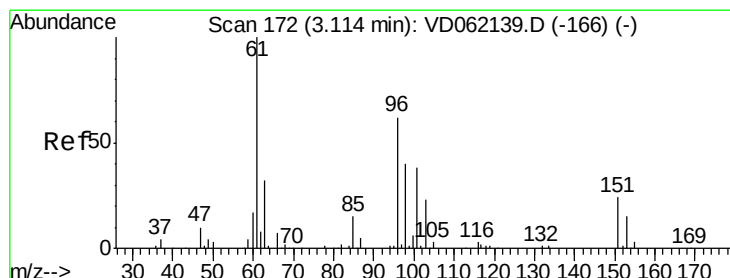
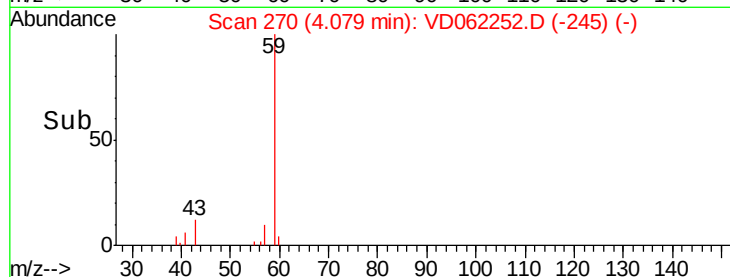
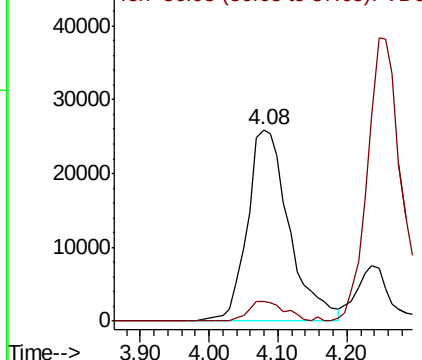
59 100

57 10.1 6.9 10.3



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 49.796 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.03 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

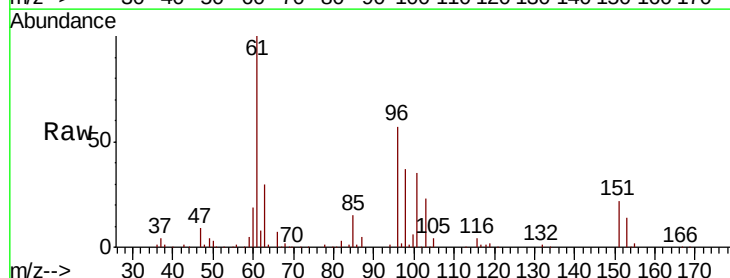
Tgt Ion: 96 Resp: 340947

Ion Ratio Lower Upper

96 100

61 175.9 129.8 194.8

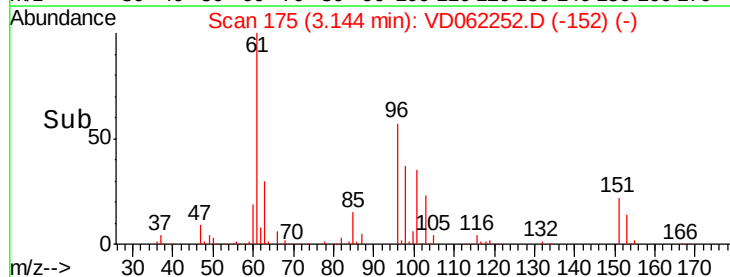
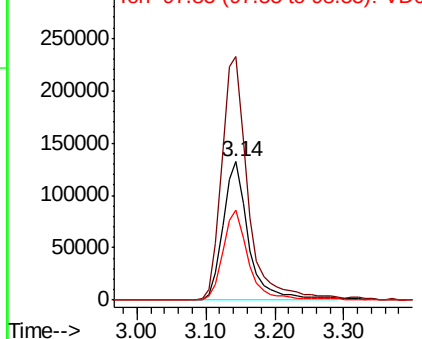
98 65.3 51.2 76.8

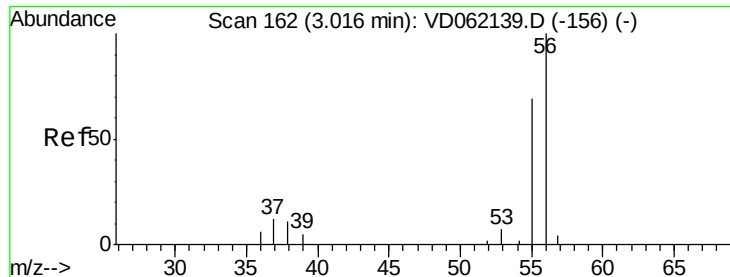


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 201.502 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

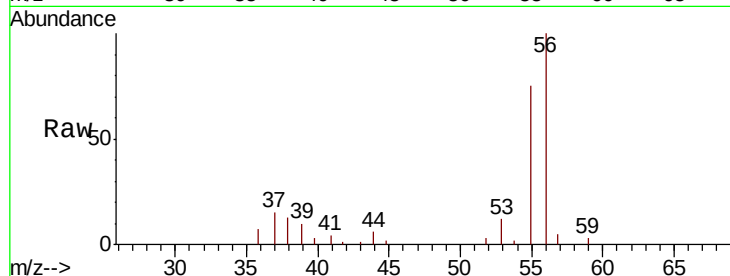
VSTDCCC050

Tot Ion: 56 Resp: 88777

Ion Ratio Lower Upper

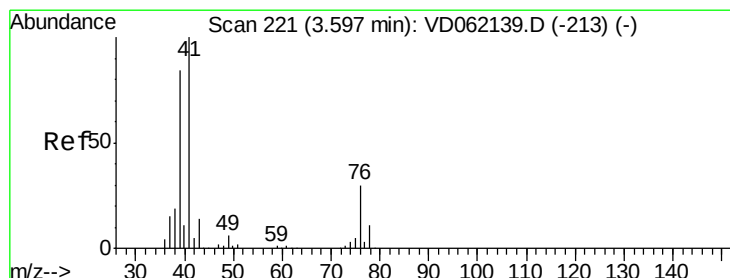
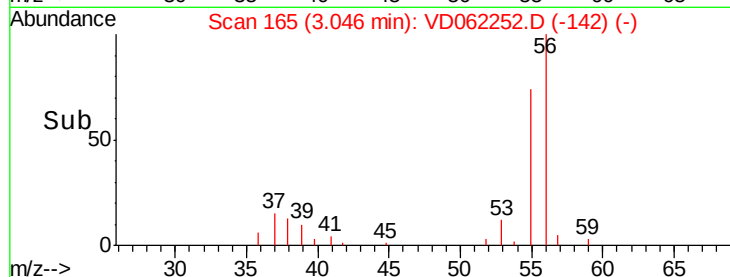
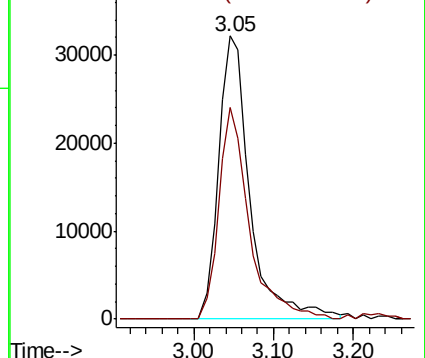
56 100

55 74.8 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: 47.630 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

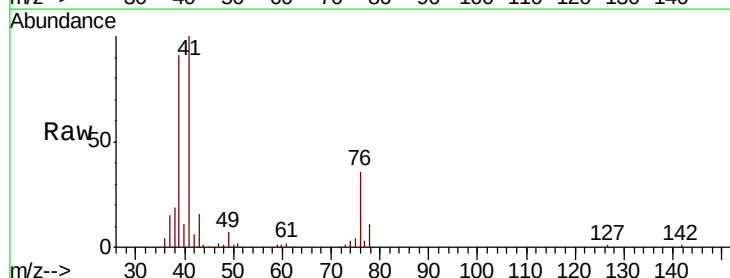
Tgt Ion: 41 Resp: 474165

Ion Ratio Lower Upper

41 100

39 91.0 60.5 90.7#

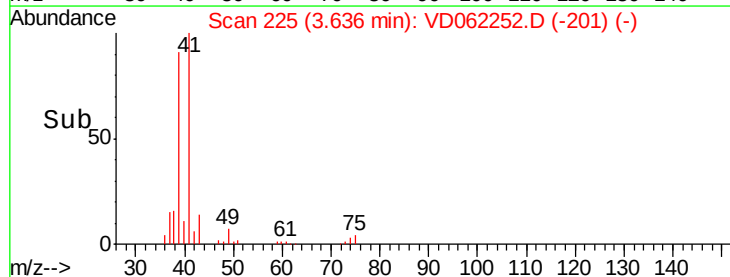
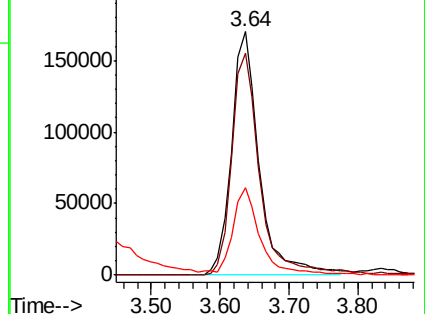
76 35.9 31.8 47.8

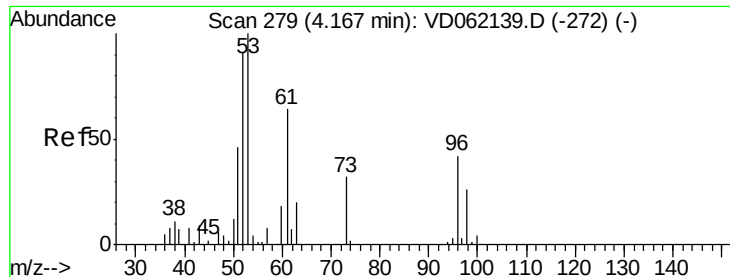


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

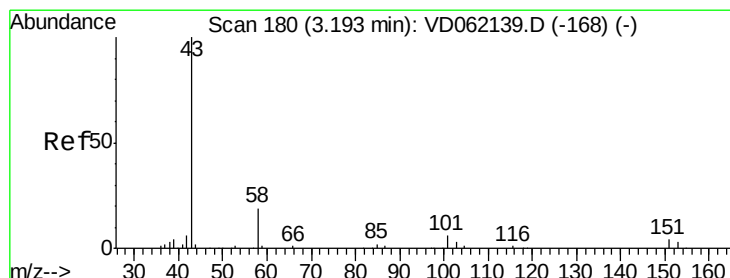
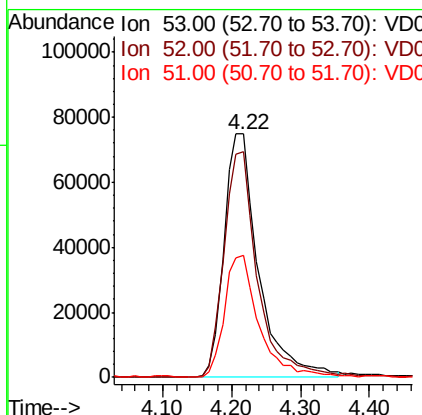
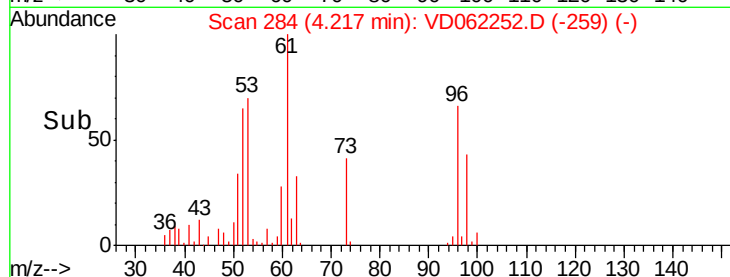
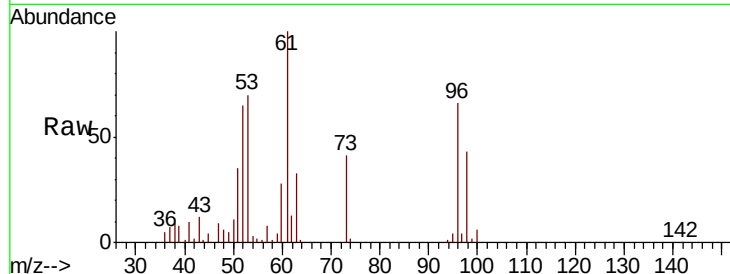




#15
 Acrylonitrile
 Concen: 231.837 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.05 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

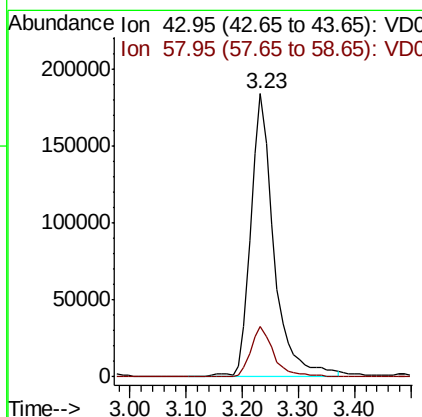
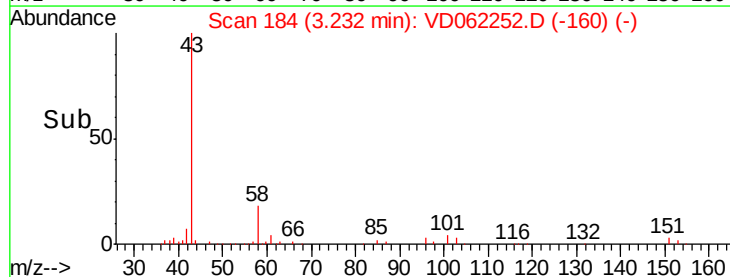
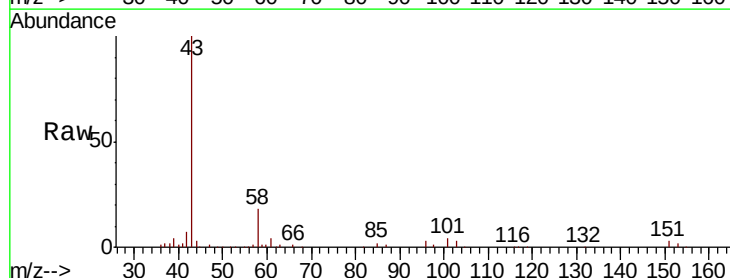
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

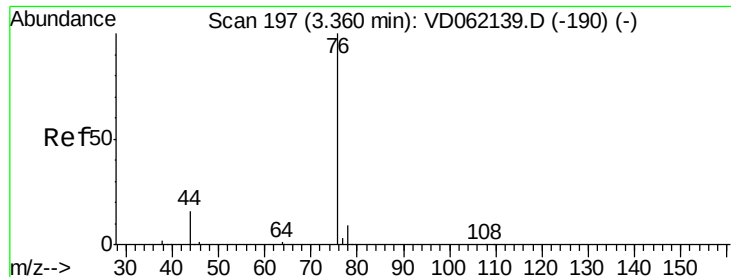
Tot Ion: 53 Resp: 259570
 Ion Ratio Lower Upper
 53 100
 52 92.7 65.0 97.4
 51 50.2 32.6 48.8#



#16
 Acetone
 Concen: 301.952 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. 0.04 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion: 43 Resp: 528422
 Ion Ratio Lower Upper
 43 100
 58 17.8 19.9 29.9#





#17

Carbon Disulfide

Concen: 47.347 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

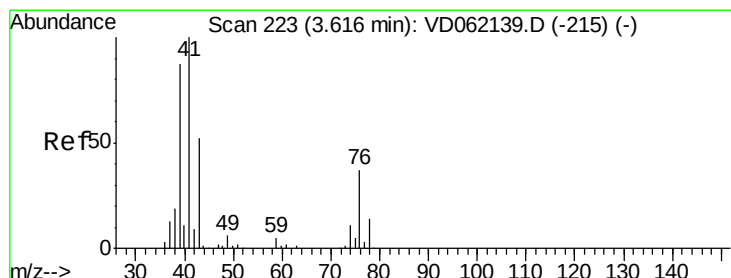
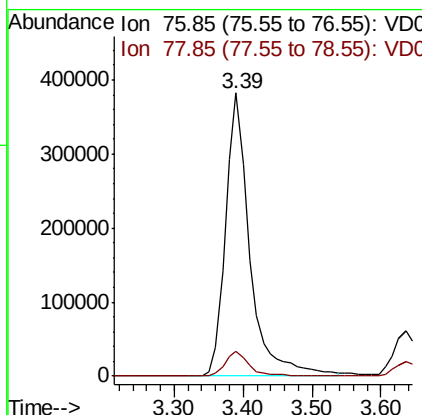
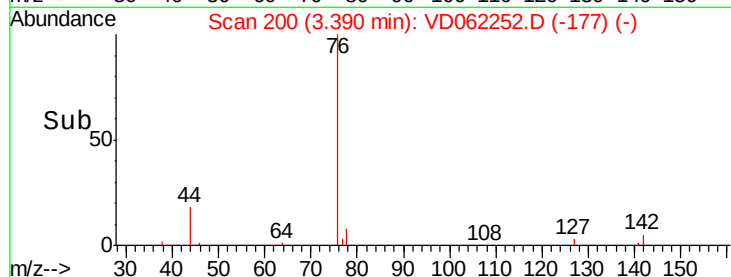
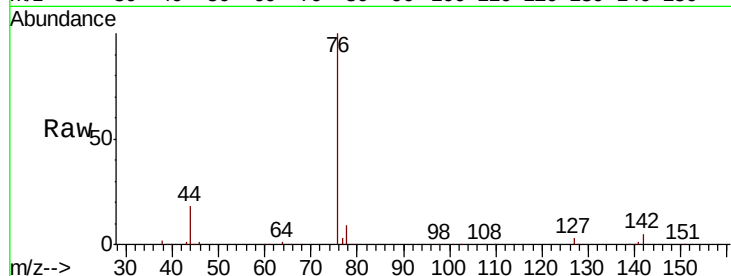
VSTDCCC050

Tot Ion: 76 Resp: 932564

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



#18

Methyl Acetate

Concen: 44.559 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD062252.D

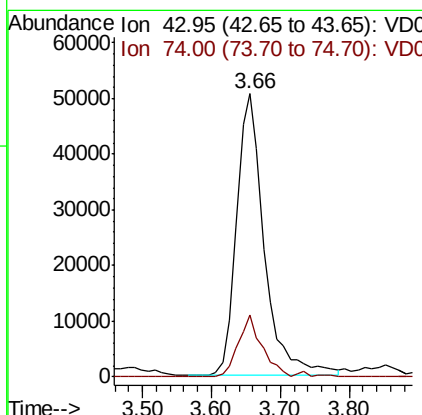
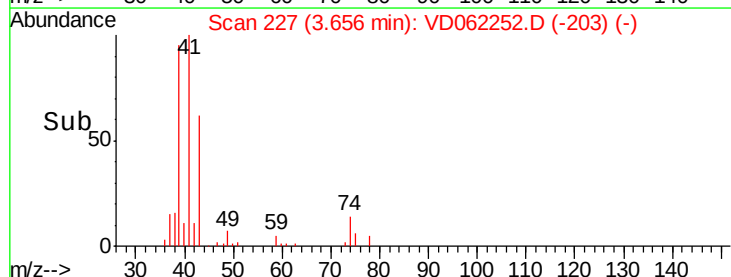
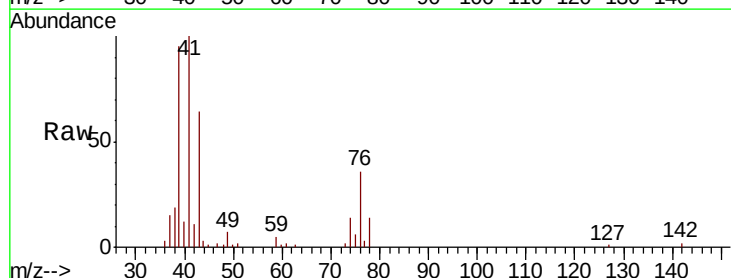
Acq: 12 May 2019 11:51

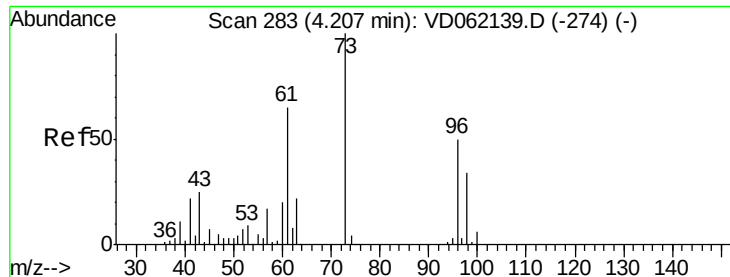
Tgt Ion: 43 Resp: 139569

Ion Ratio Lower Upper

43 100

74 21.9 18.0 27.0

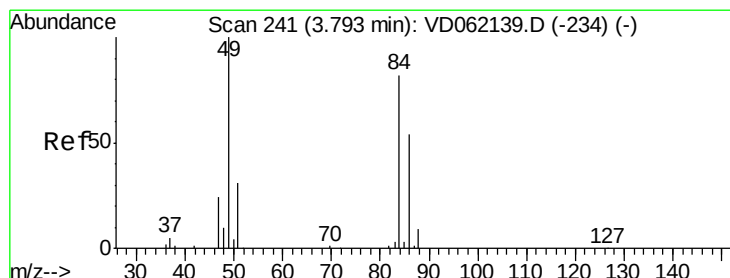
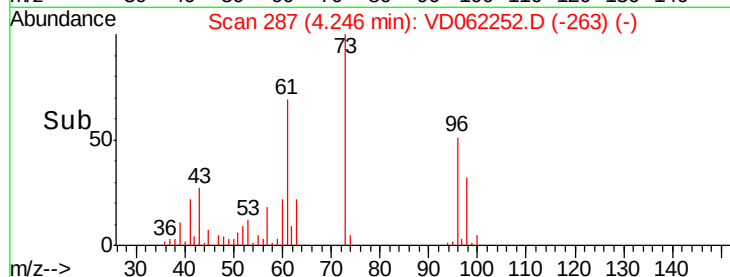
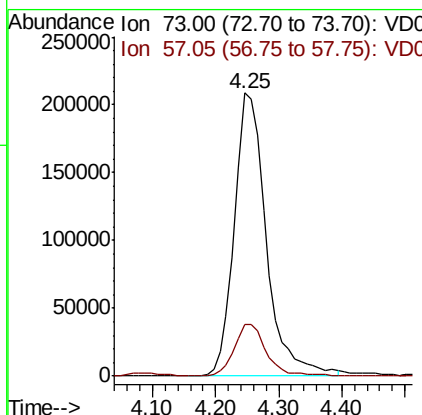
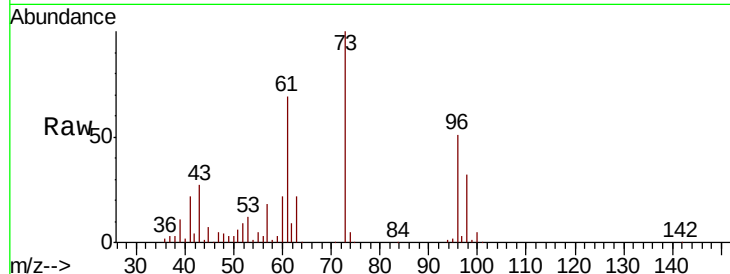




#19
Methyl tert-butyl Ether
Concen: 50.120 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

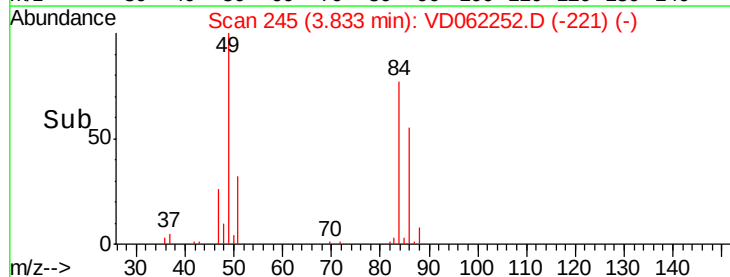
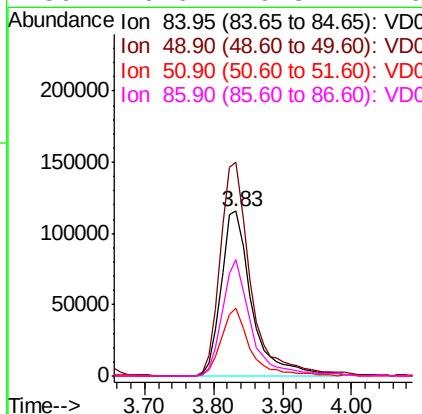
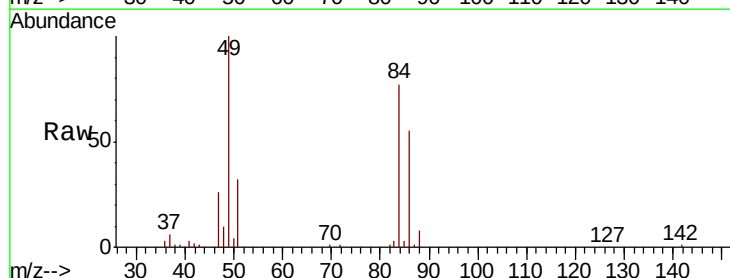
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

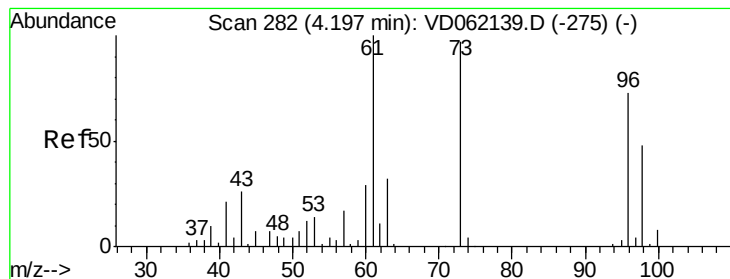
Tot Ion: 73 Resp: 735548
Ion Ratio Lower Upper
73 100
57 18.4 16.3 24.5



#20
Methylene Chloride
Concen: 48.962 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion: 84 Resp: 357761
Ion Ratio Lower Upper
84 100
49 129.4 94.0 141.0
51 40.8 29.0 43.4
86 70.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.498 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

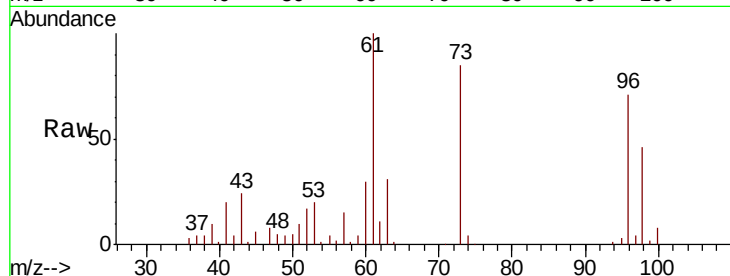
Tot Ion: 96 Resp: 377122

Ion Ratio Lower Upper

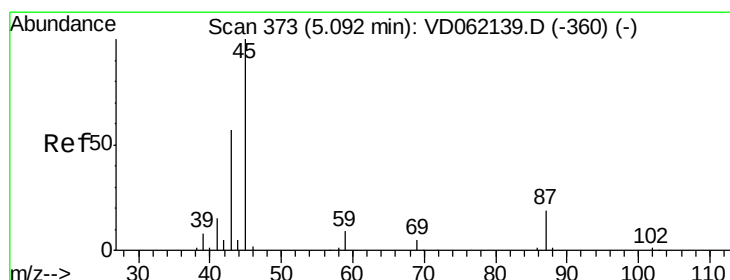
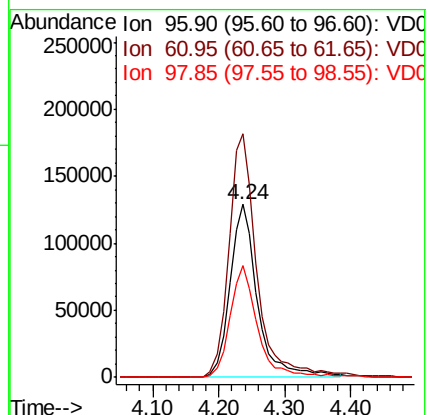
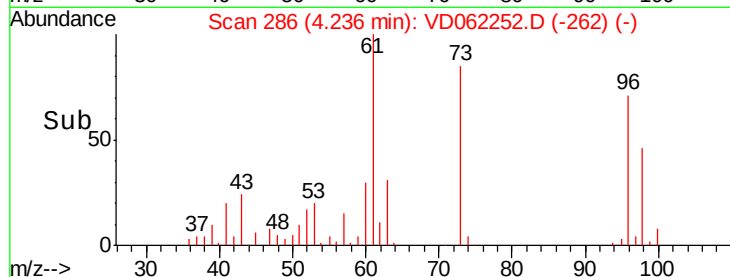
96 100

61 140.6 104.4 156.6

98 64.7 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: 50.036 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Tgt Ion: 45 Resp: 1060006

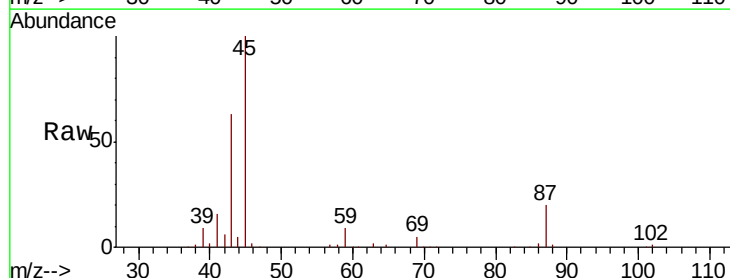
Ion Ratio Lower Upper

45 100

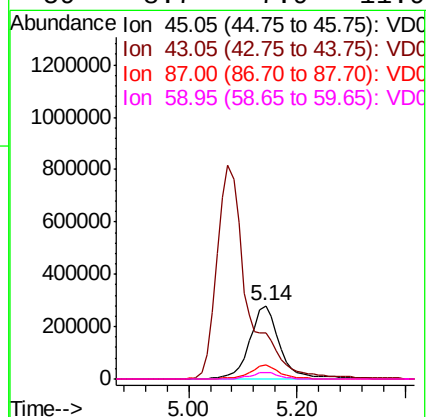
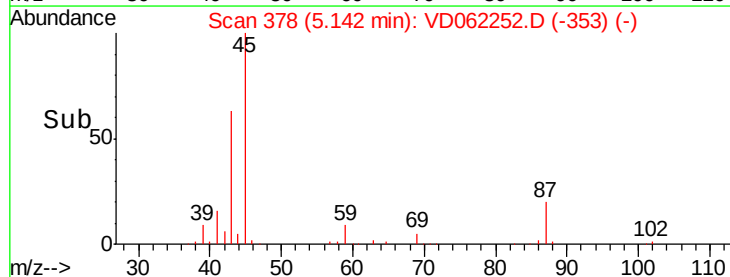
43 63.2 46.2 69.2

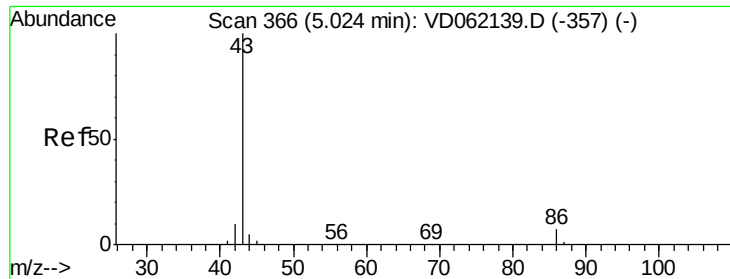
87 19.9 15.9 23.9

59 8.7 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: 280.522 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

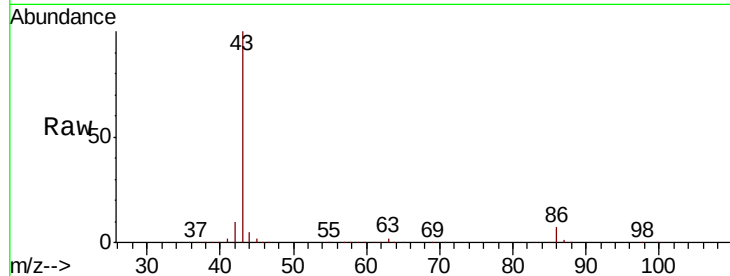
VSTDCCC050

Tot Ion: 43 Resp: 3135462

Ion Ratio Lower Upper

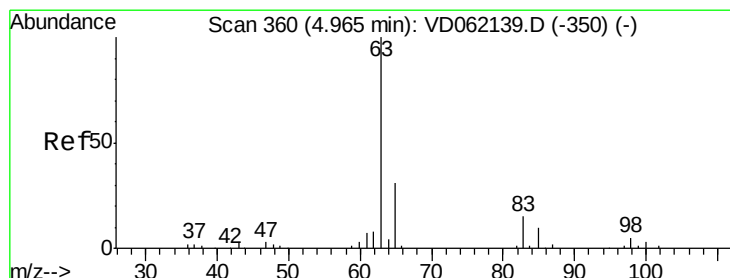
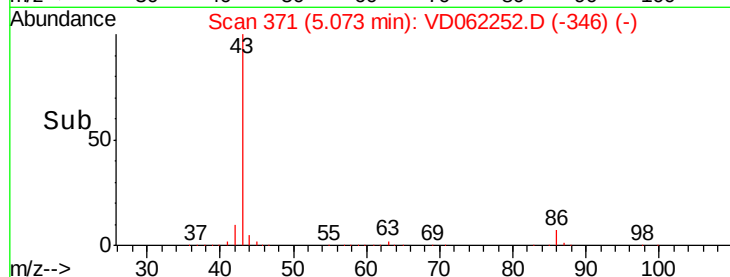
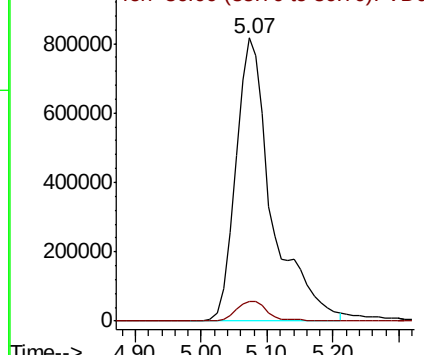
43 100

86 7.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062252.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VD062252.D (-346) (-)



#24

1,1-Dichloroethane

Concen: 48.727 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

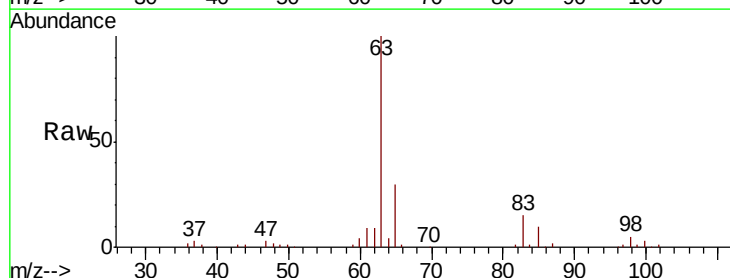
Tgt Ion: 63 Resp: 622727

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

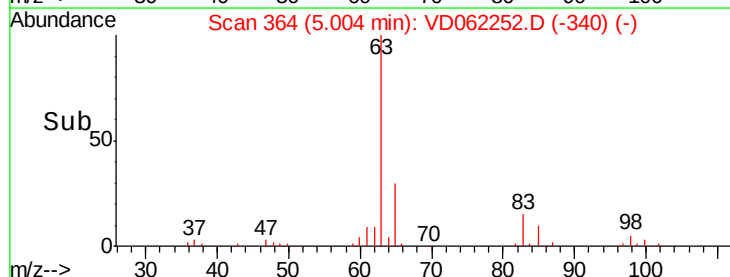
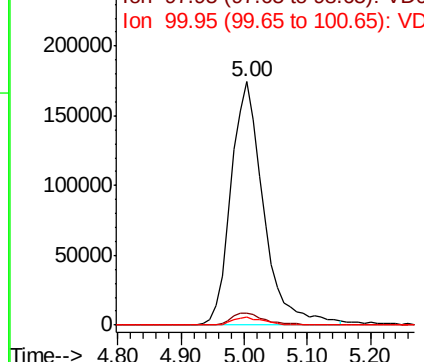
100 3.7 1.8 5.5

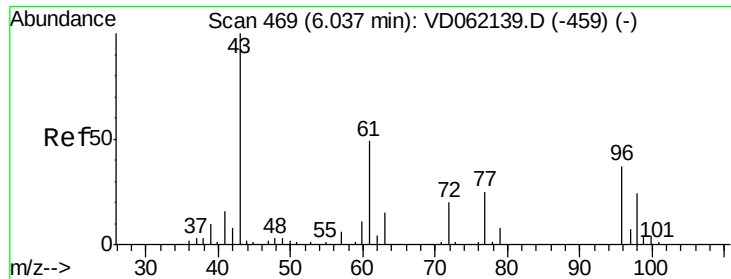


Abundance Ion 62.95 (62.65 to 63.65): VD062252.D (-340) (-)

Ion 97.95 (97.65 to 98.65): VD062252.D (-340) (-)

Ion 99.95 (99.65 to 100.65): VD062252.D (-340) (-)





#25

2-Butanone

Concen: 285.370 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

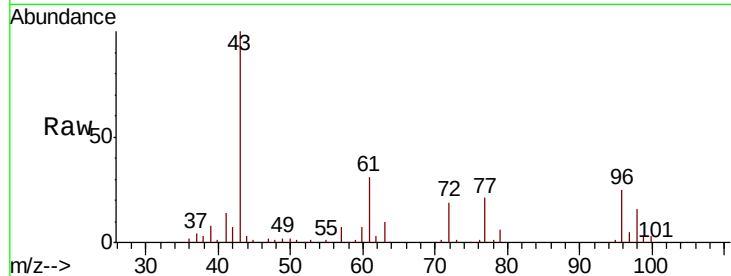
VSTDCCC050

Tot Ion: 43 Resp: 544729

Ion Ratio Lower Upper

43 100

72 18.7 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.09

200000

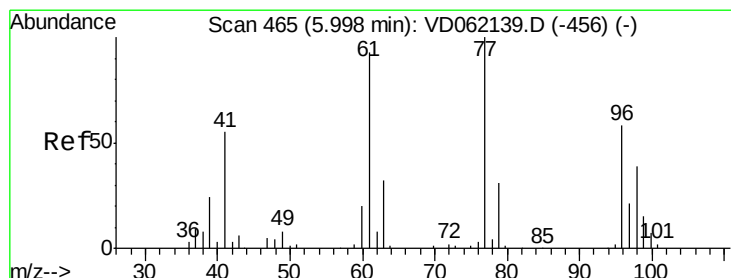
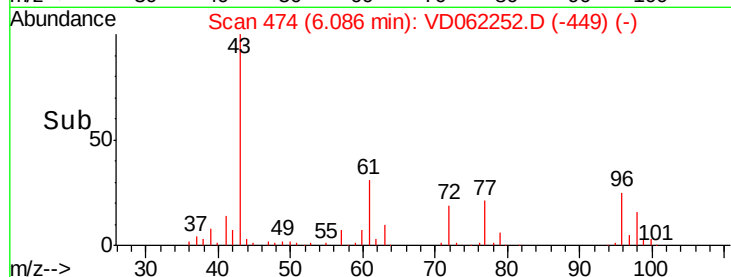
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 58.087 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062252.D

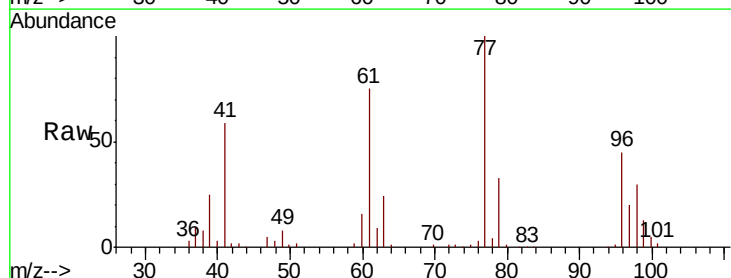
Acq: 12 May 2019 11:51

Tgt Ion: 77 Resp: 739468

Ion Ratio Lower Upper

77 100

97 19.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.04

200000

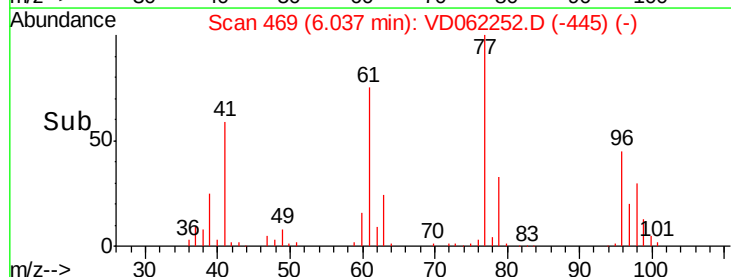
150000

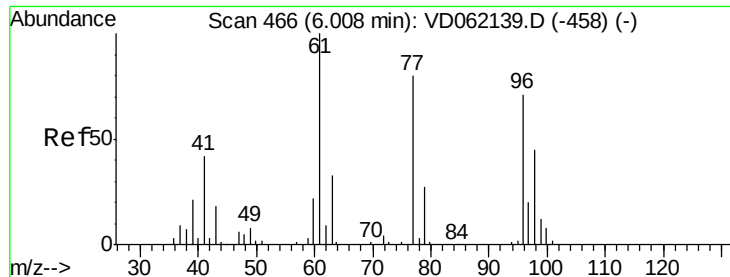
100000

50000

0

Time-->



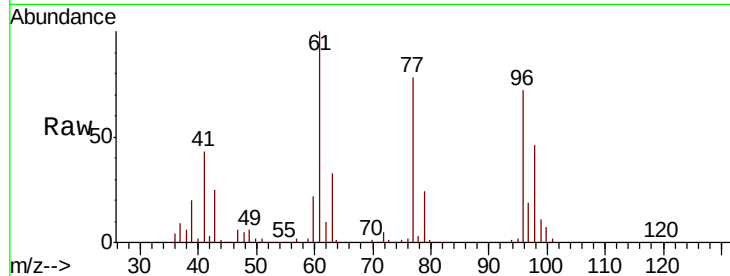


#27

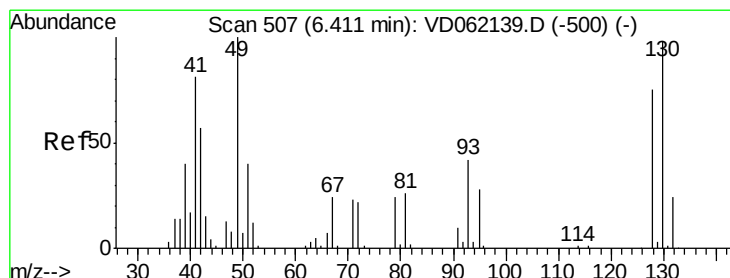
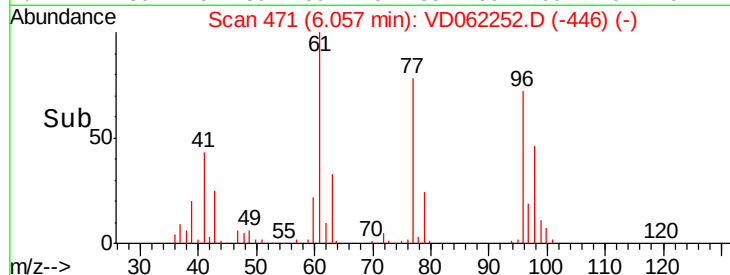
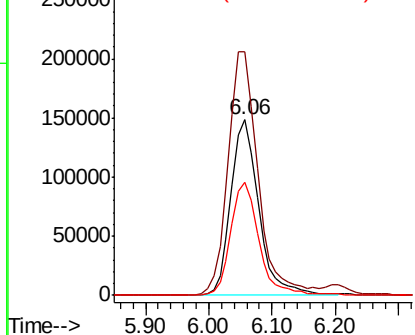
cis-1,2-Dichloroethene
Concen: 53.577 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	279.8
98	64.2	0.0	136.0



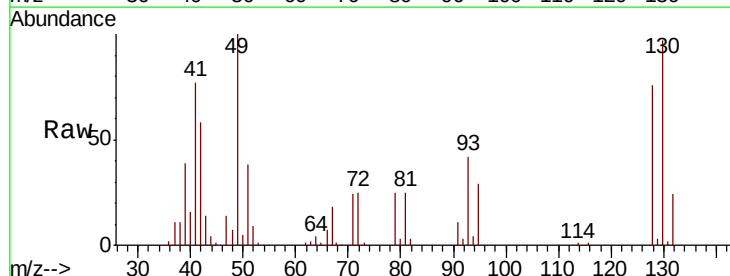
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



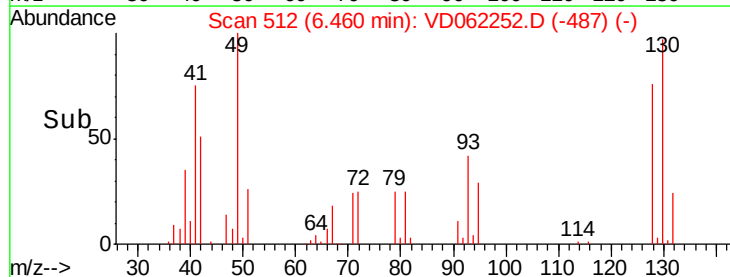
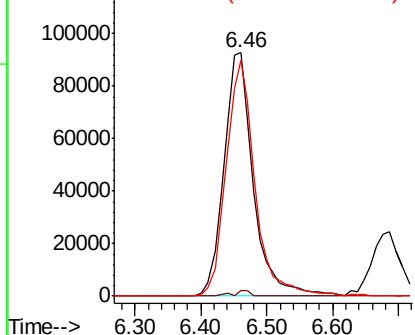
#28

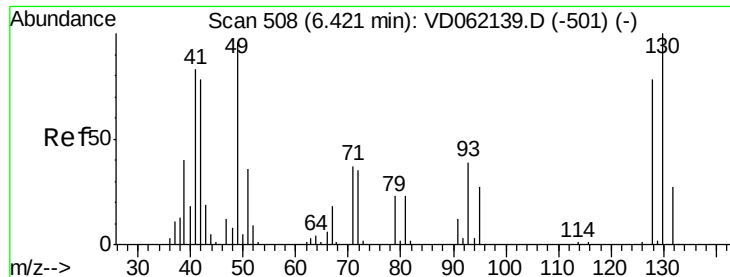
Bromochloromethane
Concen: 57.540 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	6.6
130	97.0	86.7	130.1



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

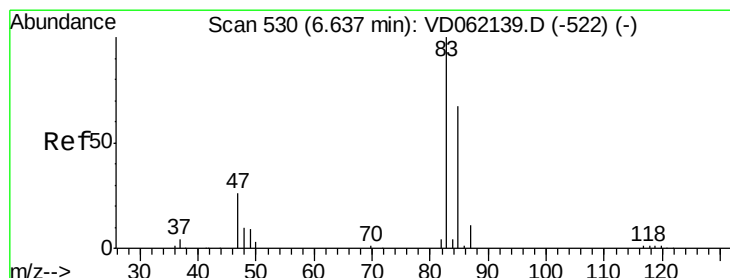
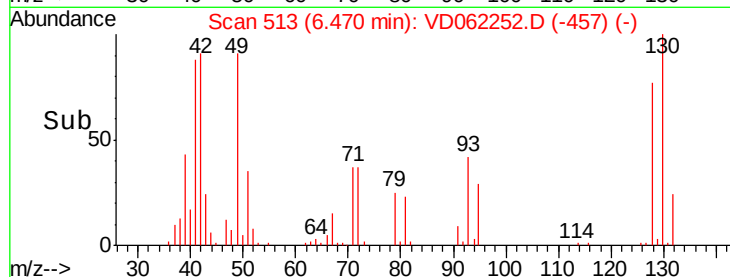
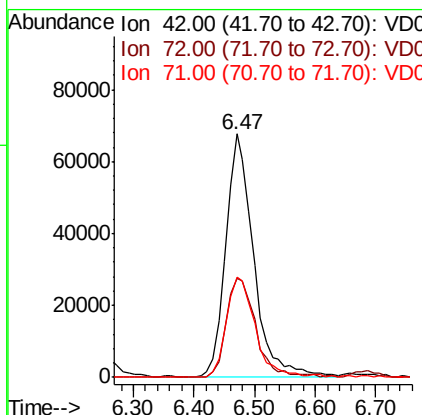
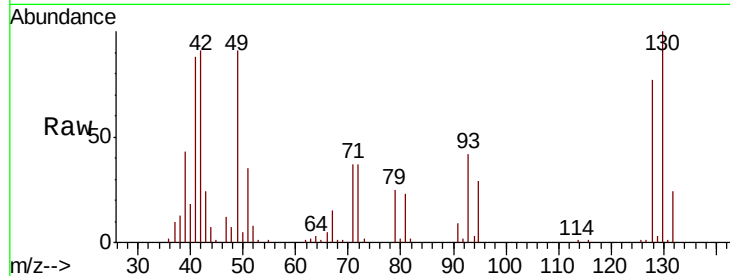




#29
Tetrahydrofuran
Concen: 246.830 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

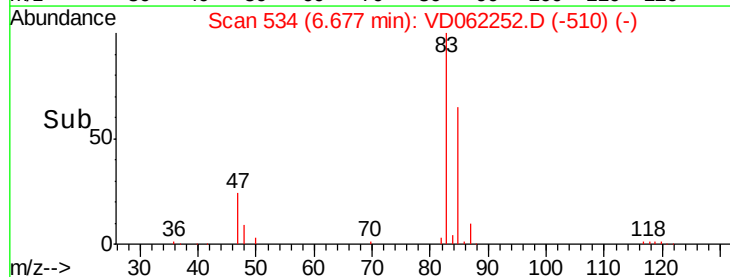
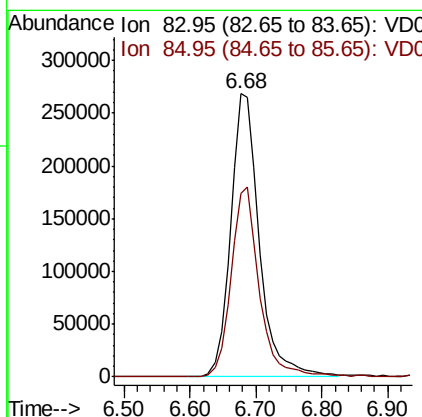
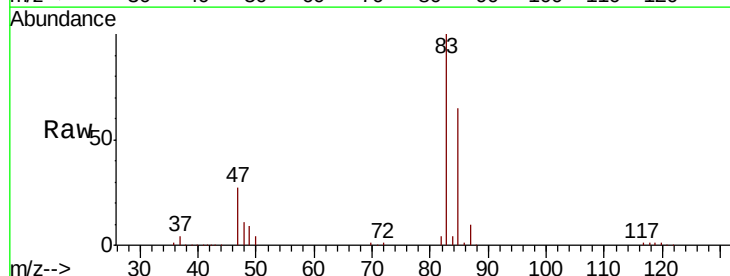
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

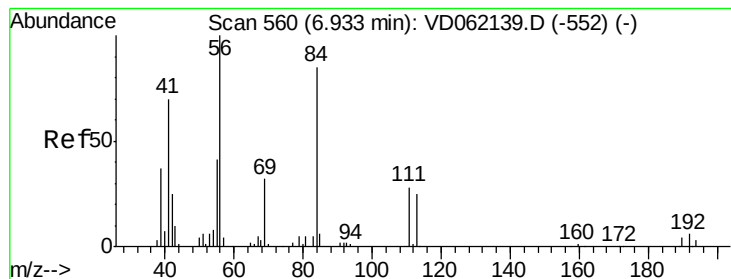
Tot Ion: 42 Resp: 217092
Ion Ratio Lower Upper
42 100
72 42.9 37.8 56.6
71 42.5 36.7 55.1



#30
Chloroform
Concen: 53.104 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion: 83 Resp: 817910
Ion Ratio Lower Upper
83 100
85 65.0 51.7 77.5





#31

Cyclohexane

Concen: 51.388 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

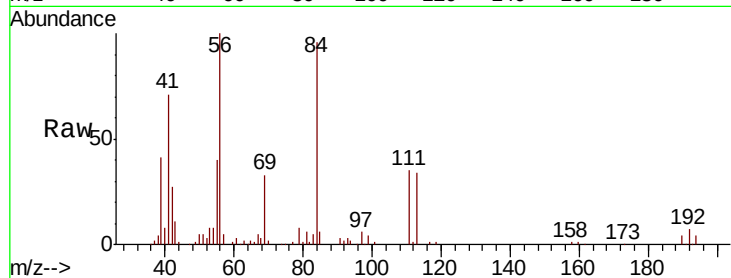
Tot Ion: 56 Resp: 449933

Ion Ratio Lower Upper

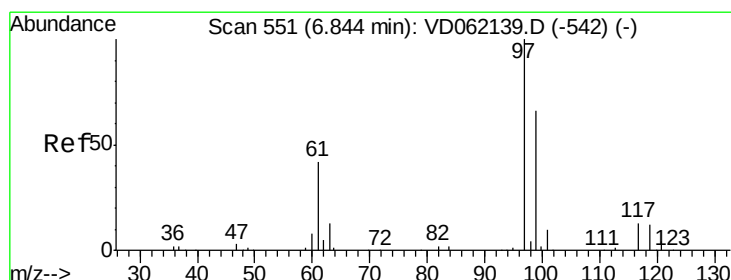
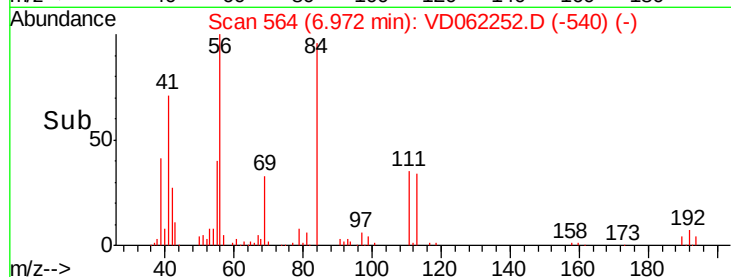
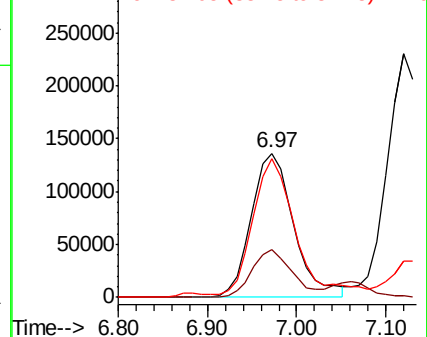
56 100

69 33.1 25.8 38.6

84 96.5 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 56.164 ug/l

RT: 6.88 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

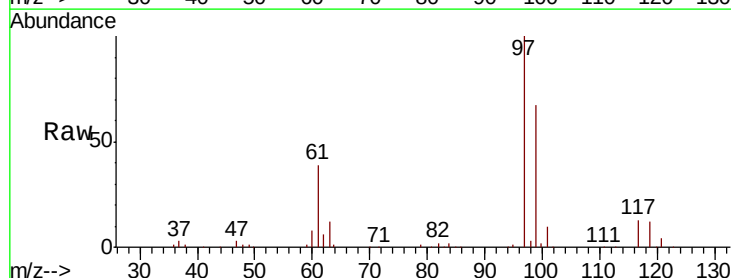
Tgt Ion: 97 Resp: 817632

Ion Ratio Lower Upper

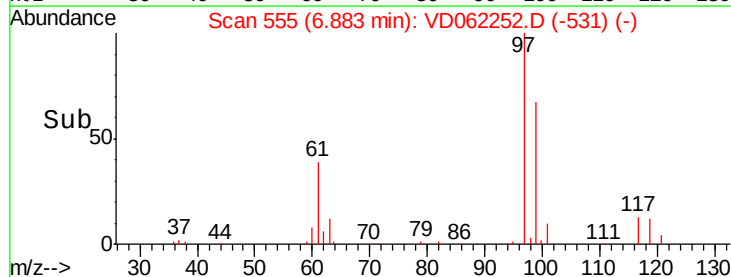
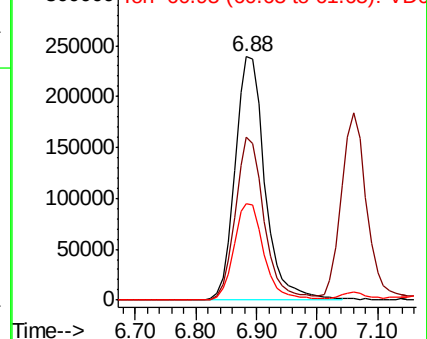
97 100

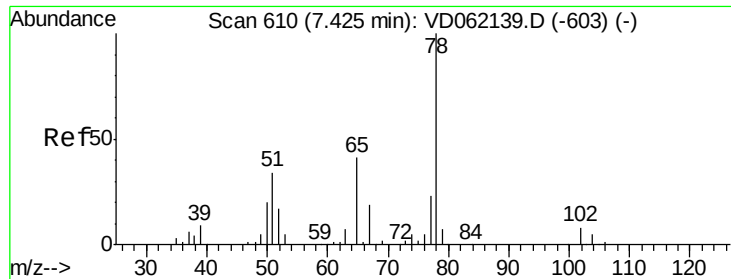
99 66.9 52.2 78.2

61 39.5 32.4 48.6



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

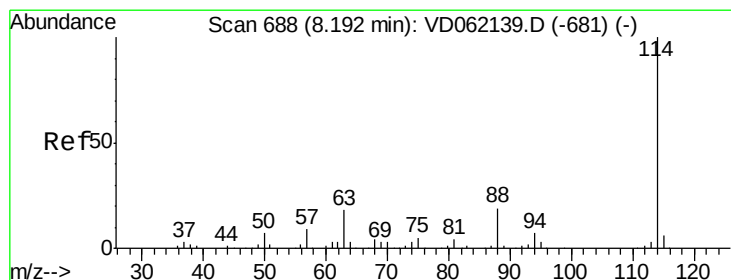
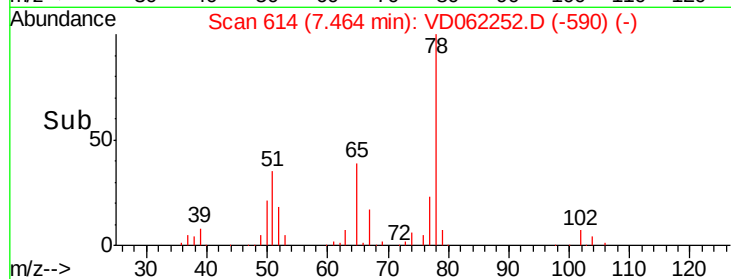
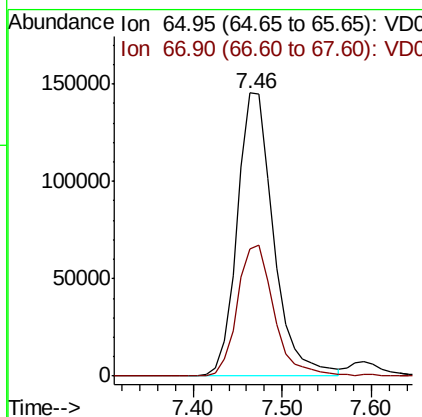
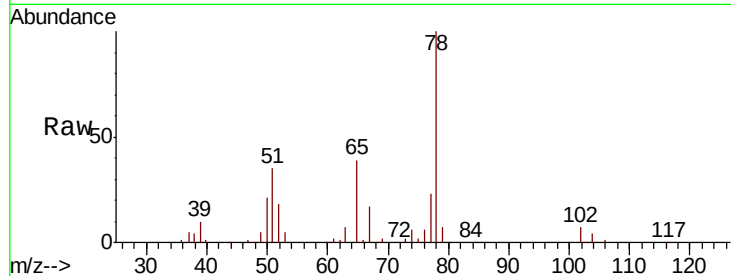




#33
 1,2-Dichloroethane-d4
 Concen: 49.360 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

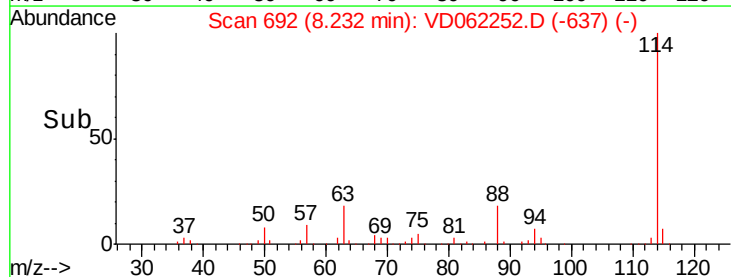
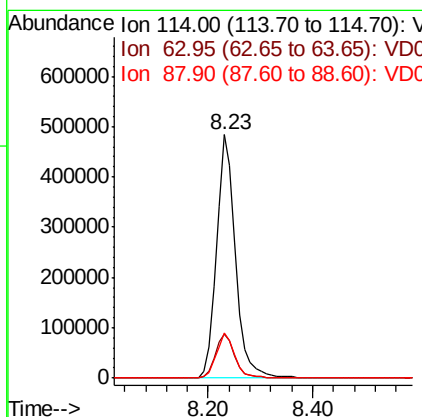
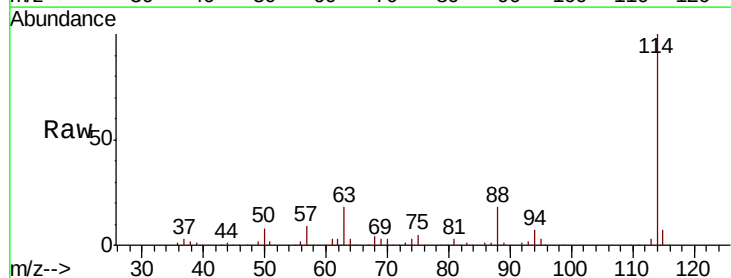
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

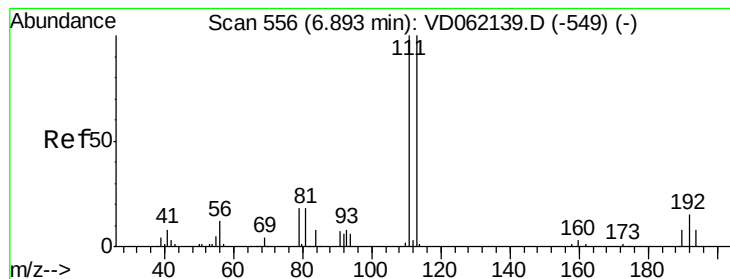
Tot Ion: 65 Resp: 411902
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion: 114 Resp: 1218377
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 32.4
 88 18.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.477 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

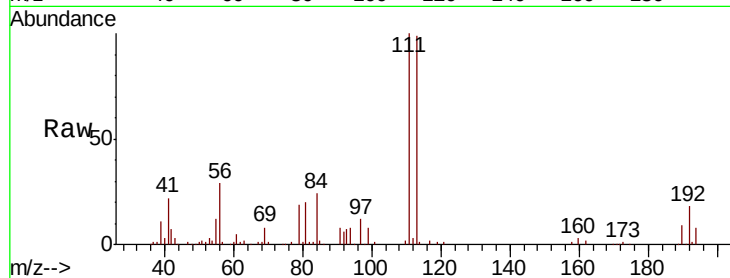
Tot Ion:113 Resp: 500160

Ion Ratio Lower Upper

113 100

111 100.5 78.5 117.7

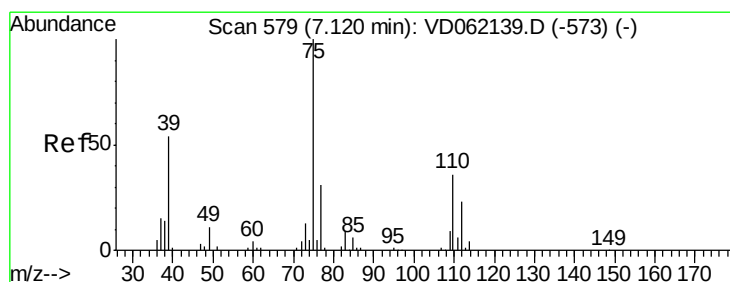
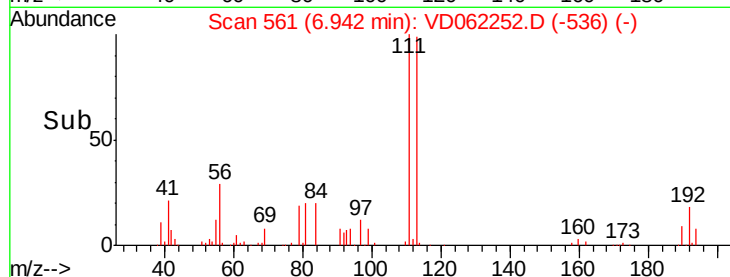
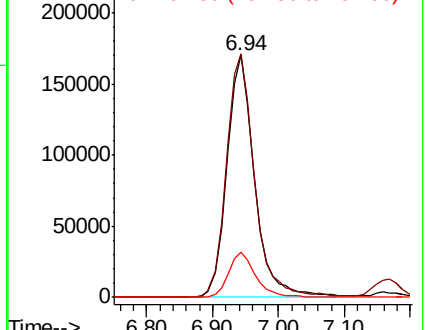
192 18.5 13.0 19.4



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: 55.635 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

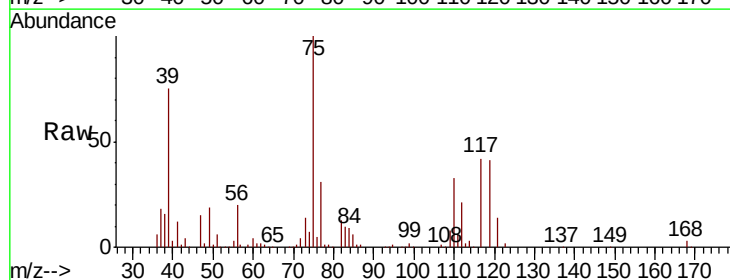
Tgt Ion: 75 Resp: 555767

Ion Ratio Lower Upper

75 100

110 33.3 19.1 57.1

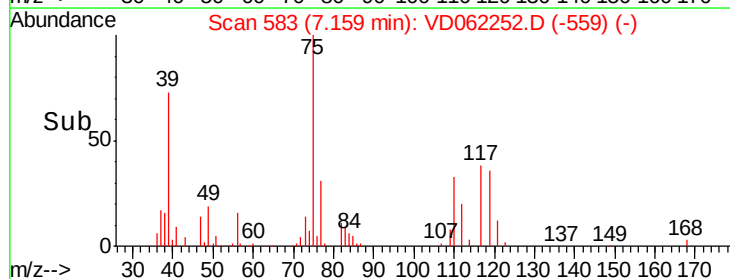
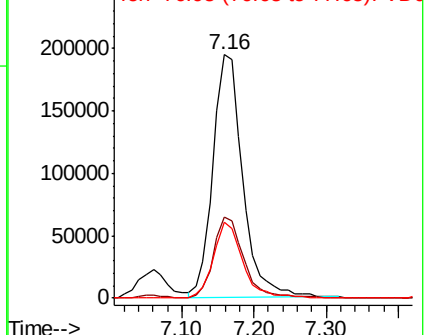
77 31.4 25.6 38.4

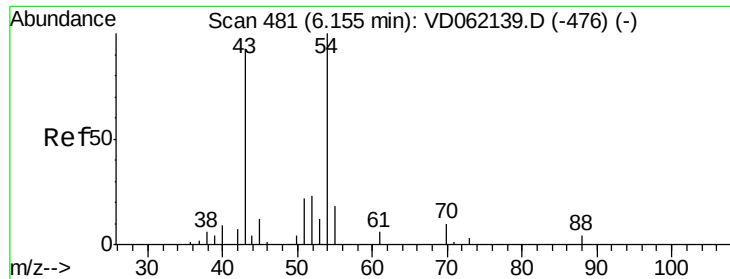


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 50.105 ug/l

RT: 6.19 min Scan# 485

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

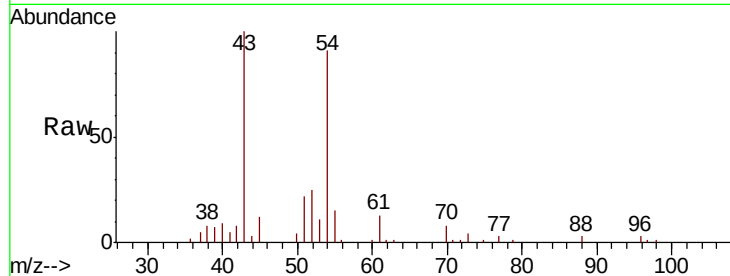
Tot Ion: 43 Resp: 212265

Ion Ratio Lower Upper

43 100

61 13.1 14.7 22.1#

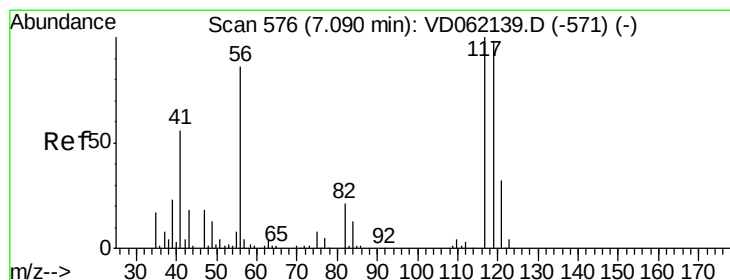
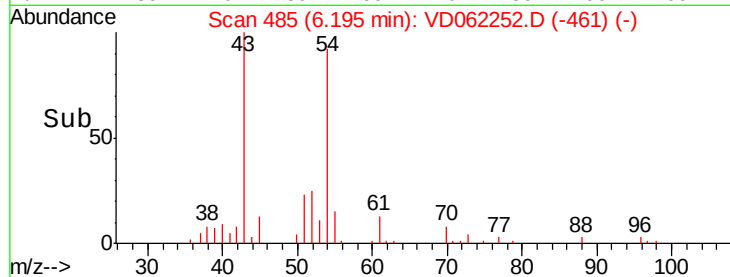
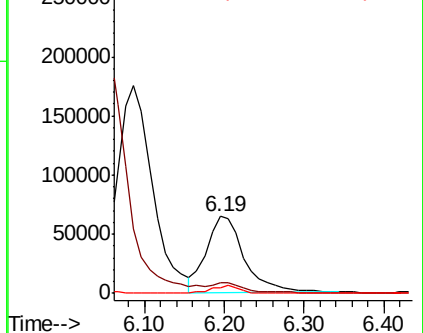
70 8.0 7.8 11.6



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: 62.157 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

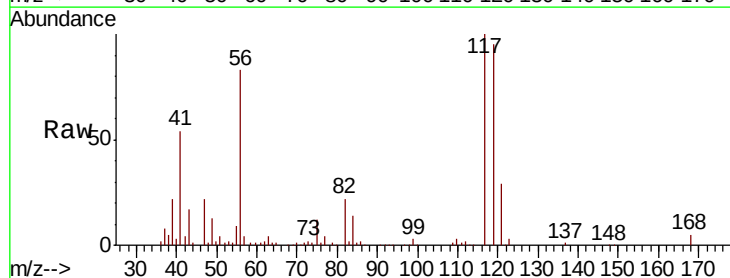
Tgt Ion: 117 Resp: 859412

Ion Ratio Lower Upper

117 100

119 95.2 75.8 113.8

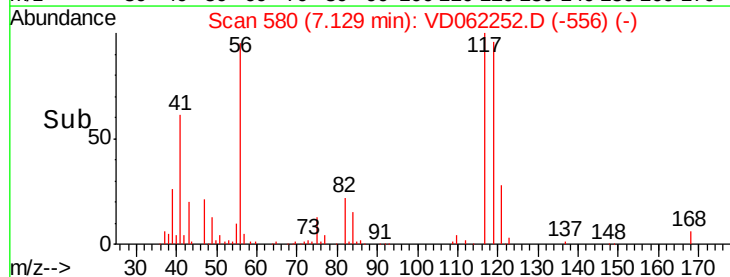
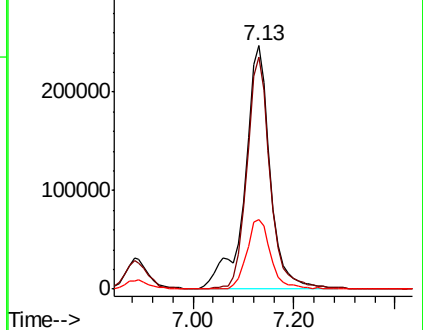
121 28.7 25.9 38.9

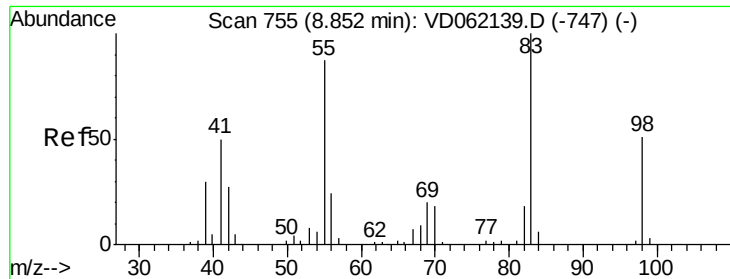


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

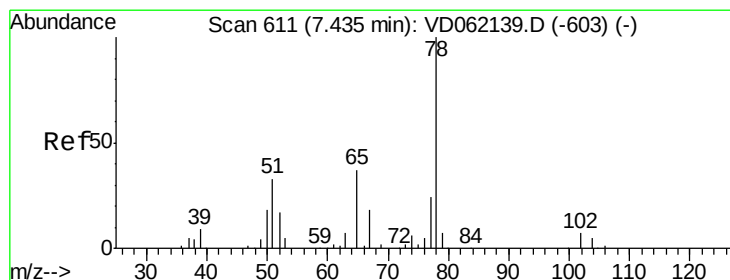
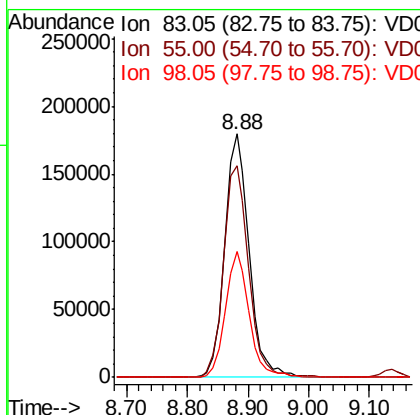
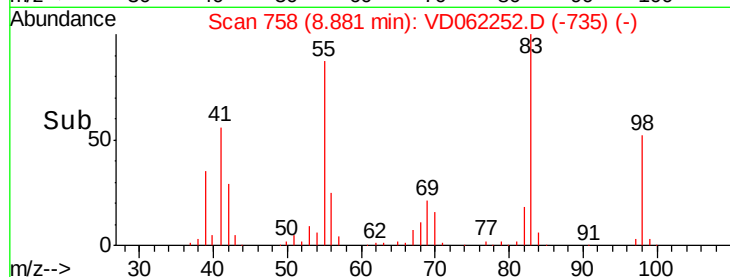
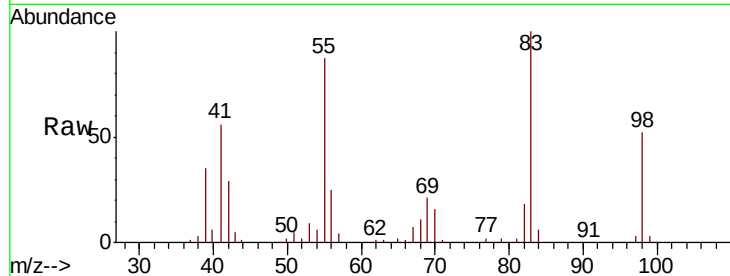




#39
Methylvlcyclohexane
Concen: 52.405 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

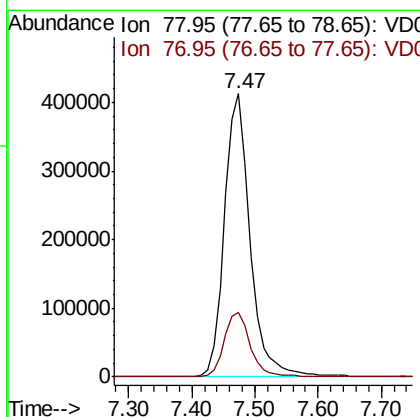
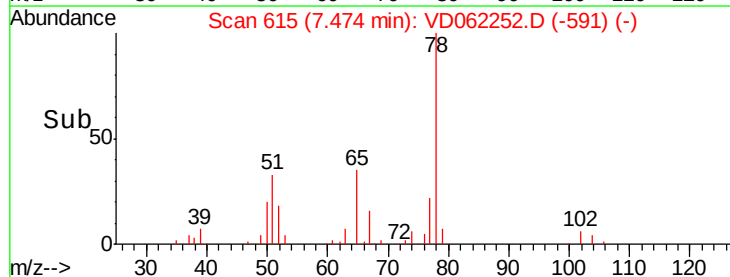
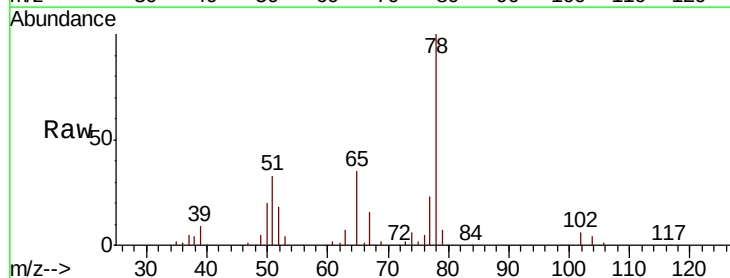
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

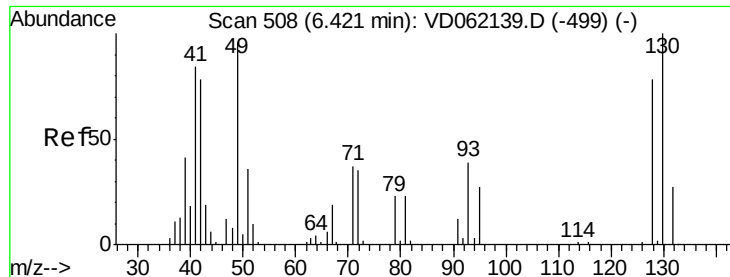
Tot Ion: 83 Resp: 501579
Ion Ratio Lower Upper
83 100
55 87.0 68.2 102.4
98 51.7 38.2 57.4



#40
Benzene
Concen: 51.286 ug/l
RT: 7.47 min Scan# 615
Delta R.T. 0.04 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion: 78 Resp: 1156884
Ion Ratio Lower Upper
78 100
77 22.9 19.7 29.5

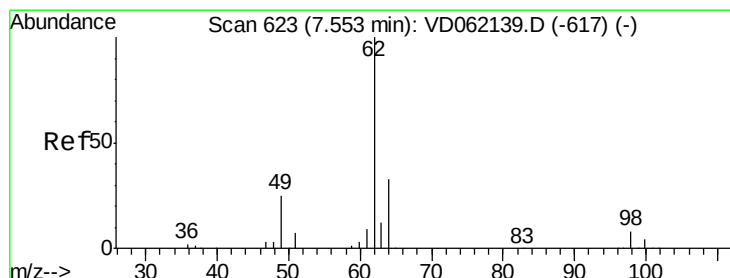
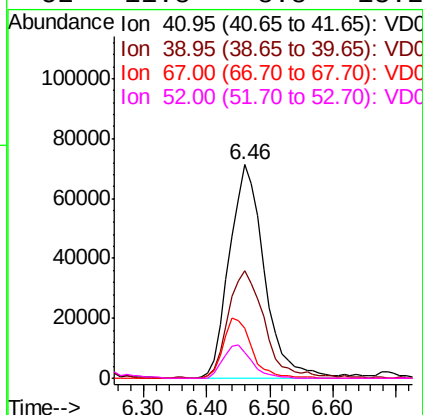
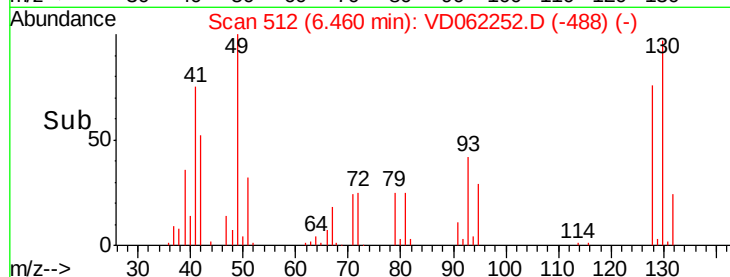
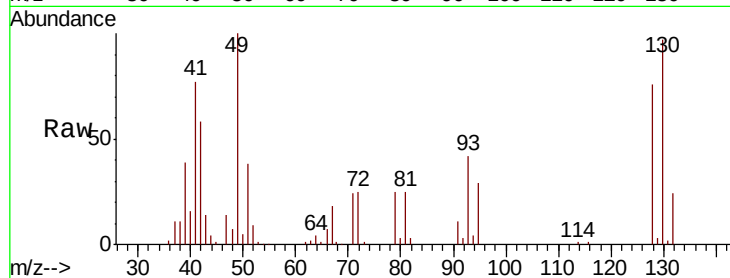




#41
Methacrylonitrile
Concen: 52.736 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

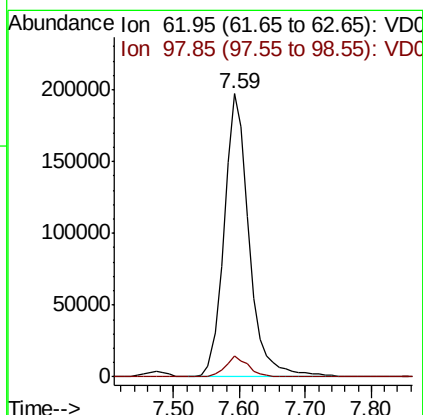
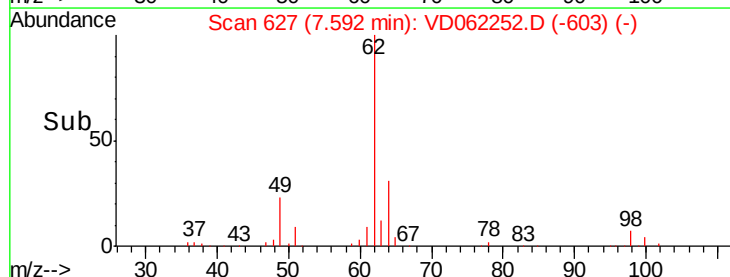
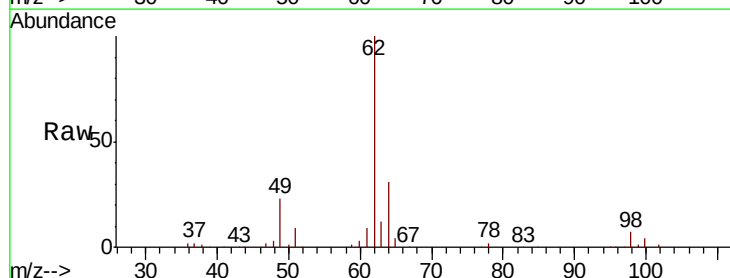
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

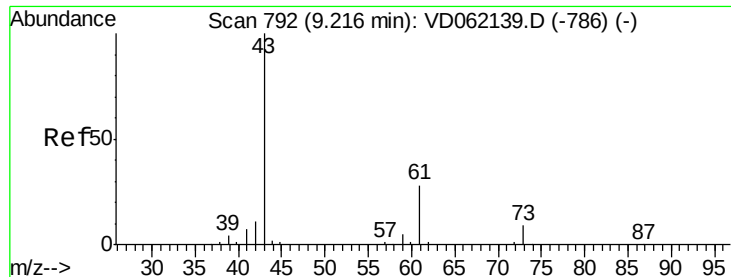
Tot Ion: 41 Resp: 273020
Ion Ratio Lower Upper
41 100
39 50.4 34.1 51.1
67 24.4 23.8 35.6
52 11.8 8.8 13.2



#42
1,2-Dichloroethane
Concen: 54.661 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion: 62 Resp: 522408
Ion Ratio Lower Upper
62 100
98 7.4 0.0 17.8





#43

Isopropyl Acetate

Concen: 52.867 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

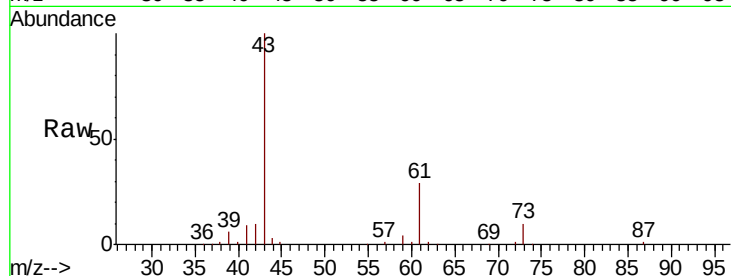
Tot Ion: 43 Resp: 317636

Ion Ratio Lower Upper

43 100

61 29.0 25.1 37.7

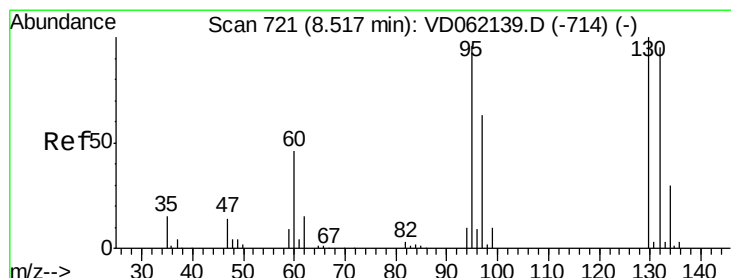
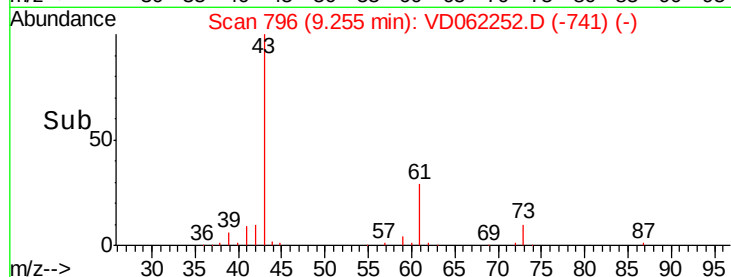
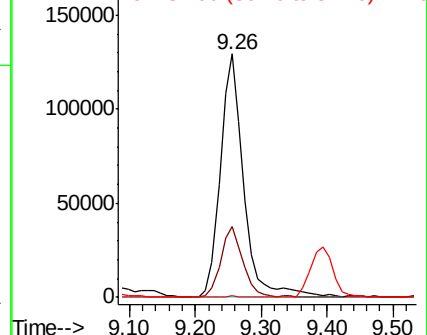
87 0.7 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 53.902 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.04 min

Lab File: VD062252.D

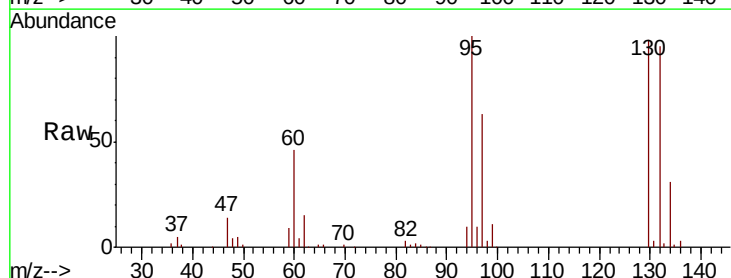
Acq: 12 May 2019 11:51

Tgt Ion:130 Resp: 463328

Ion Ratio Lower Upper

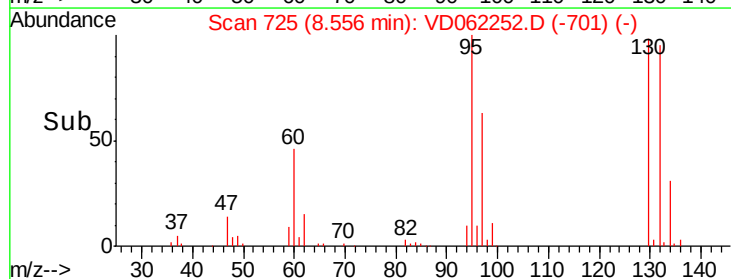
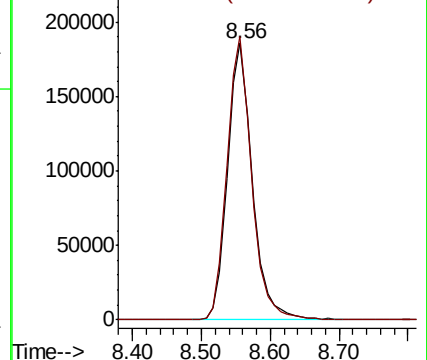
130 100

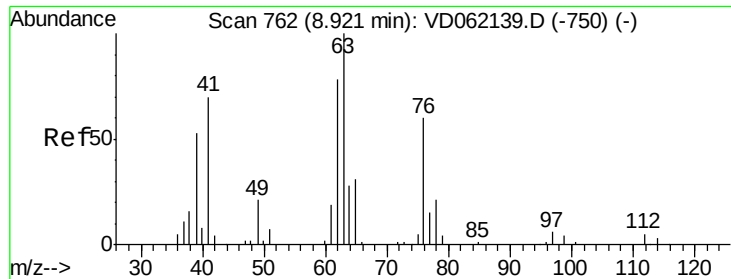
95 102.4 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

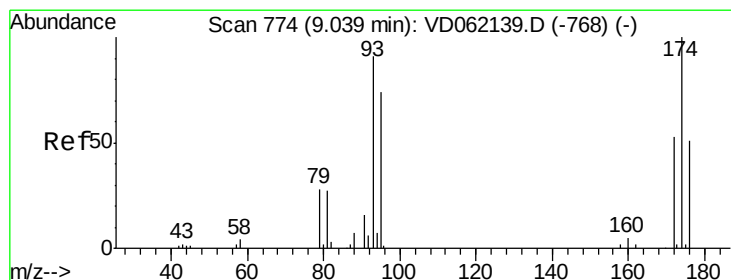
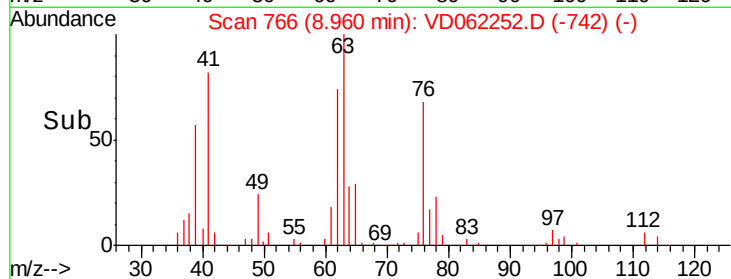
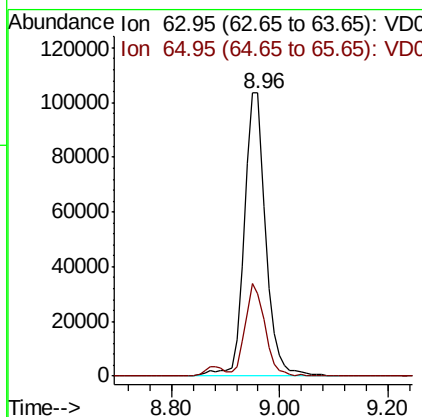
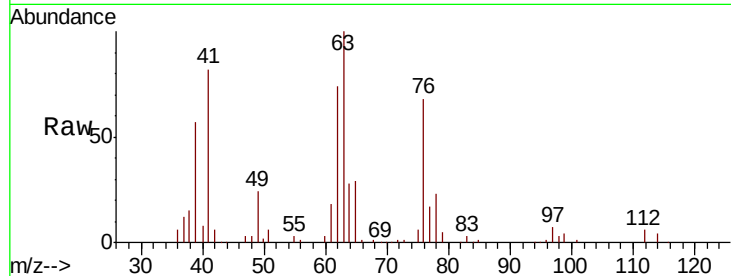




#45
 1,2-Dichloropropane
 Concen: 50.847 ug/l
 RT: 8.96 min Scan# 766
 Delta R.T. 0.04 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

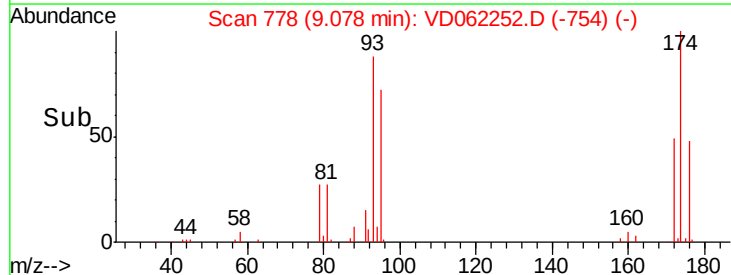
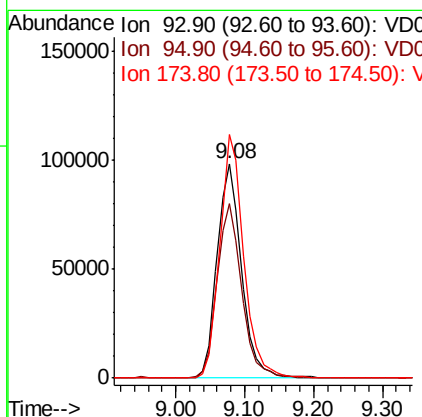
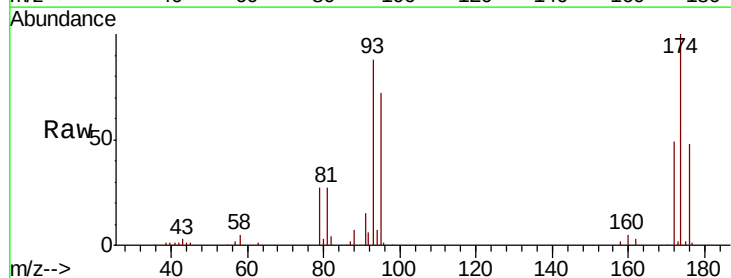
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

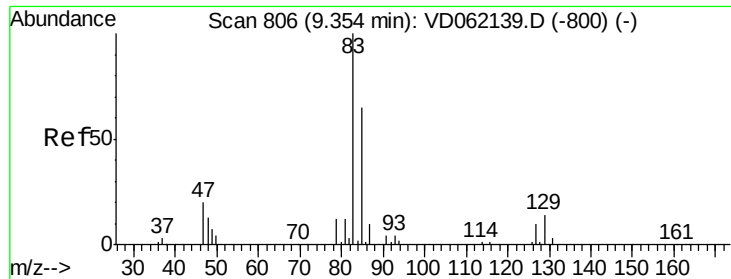
Tot Ion: 63 Resp: 283705
 Ion Ratio Lower Upper
 63 100
 65 29.3 23.8 35.6



#46
 Dibromomethane
 Concen: 53.168 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.04 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion: 93 Resp: 241237
 Ion Ratio Lower Upper
 93 100
 95 81.5 64.8 97.2
 174 113.4 79.3 118.9





#47

Bromodichloromethane

Concen: 55.270 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

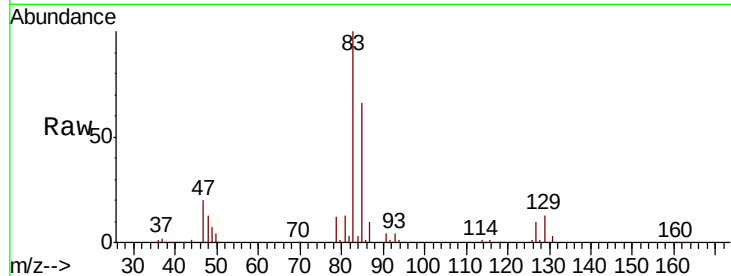
Tot Ion: 83 Resp: 613402

Ion Ratio Lower Upper

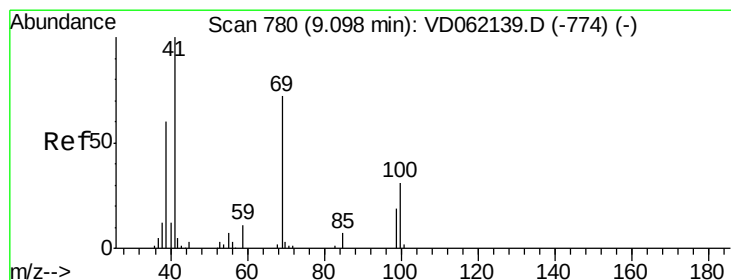
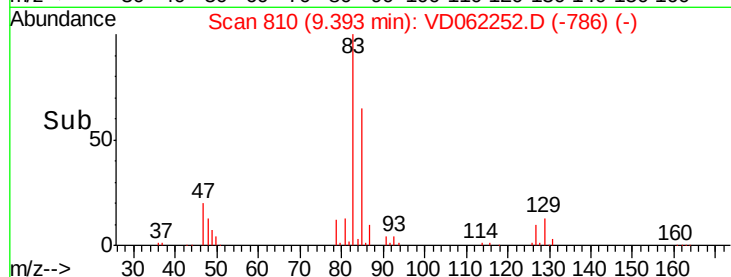
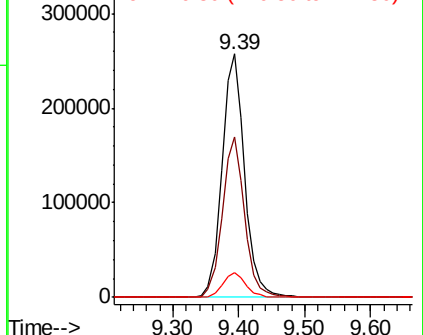
83 100

85 65.7 50.9 76.3

127 10.1 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: 54.399 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

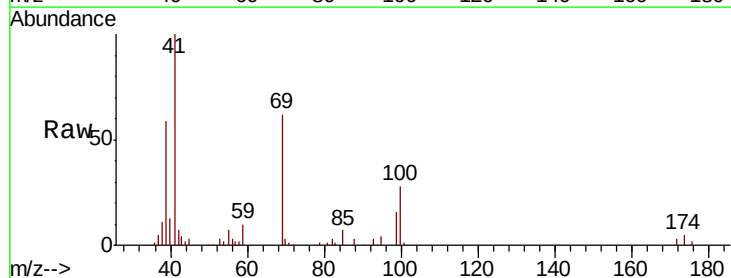
Tgt Ion: 41 Resp: 201320

Ion Ratio Lower Upper

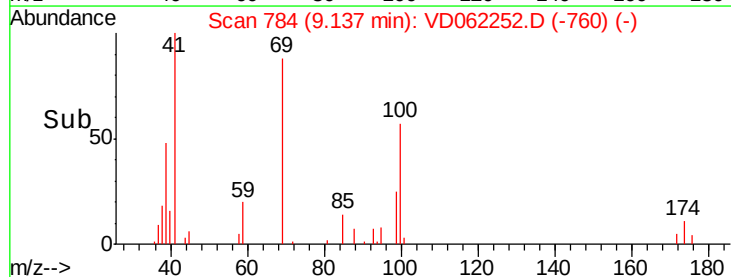
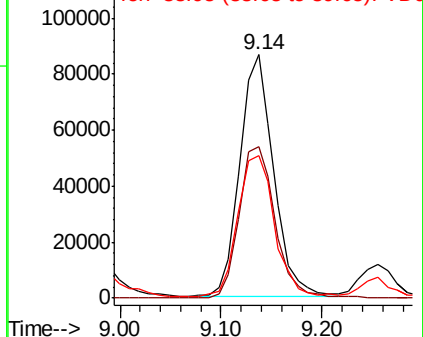
41 100

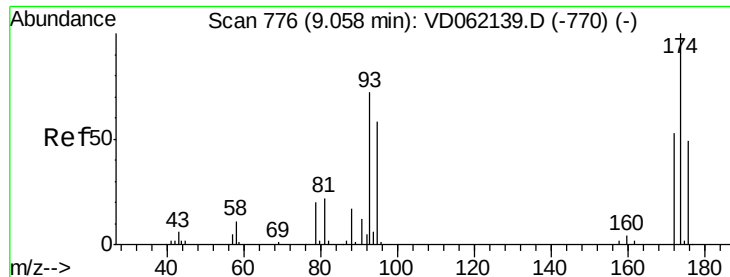
69 62.2 64.2 96.2#

39 58.7 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: 979.516 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

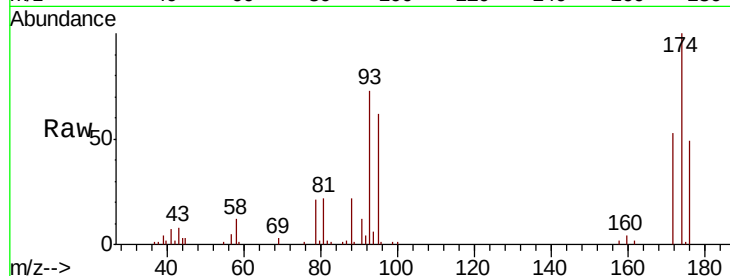
Tot Ion: 88 Resp: 39112

Ion Ratio Lower Upper

88 100

43 38.0 23.4 35.0#

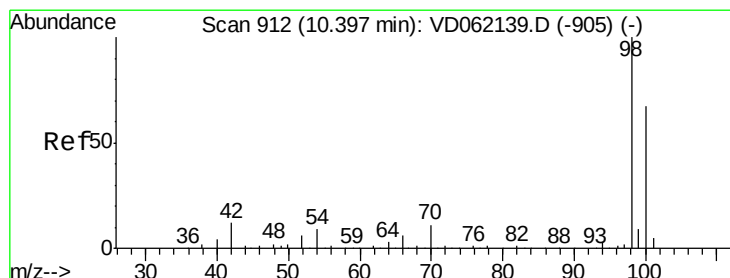
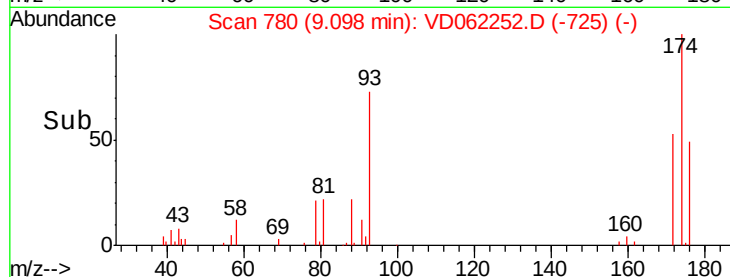
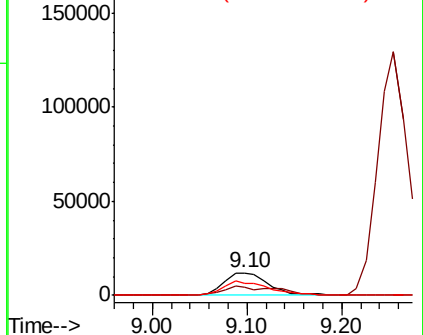
58 55.0 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 45.957 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062252.D

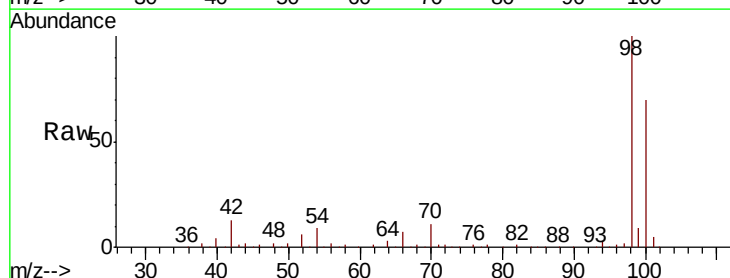
Acq: 12 May 2019 11:51

Tgt Ion: 98 Resp: 1120128

Ion Ratio Lower Upper

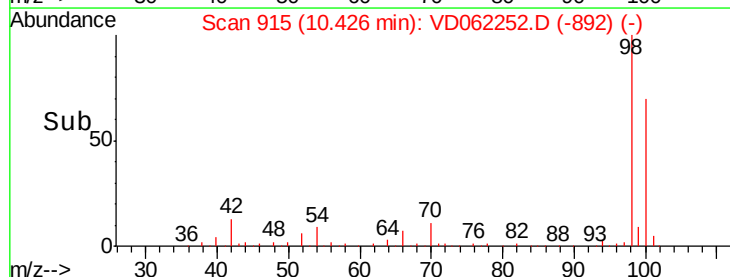
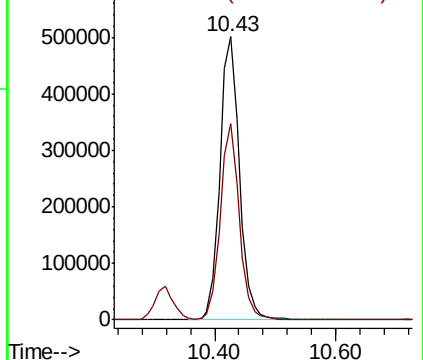
98 100

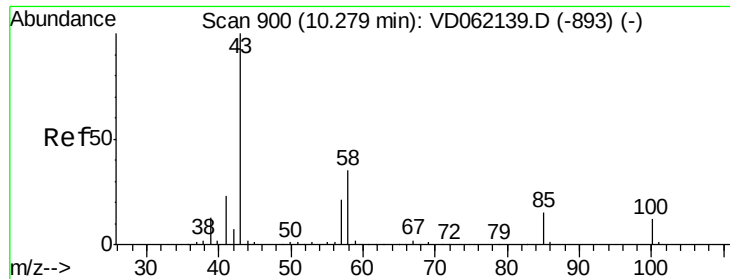
100 69.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 266.916 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.04 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

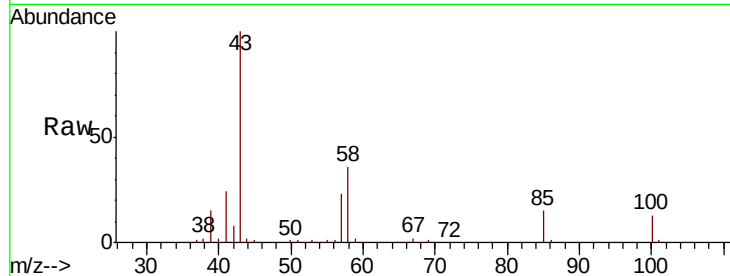
VSTDCCC050

Tot Ion: 43 Resp: 1030861

Ion Ratio Lower Upper

43 100

58 35.7 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

400000

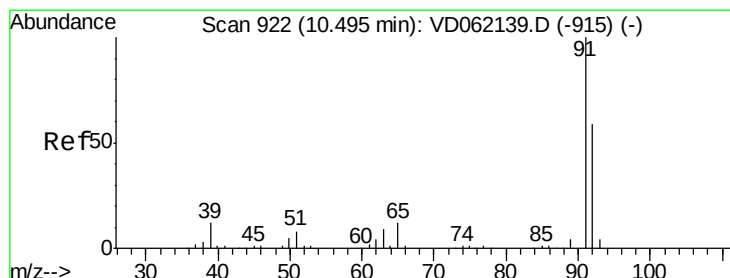
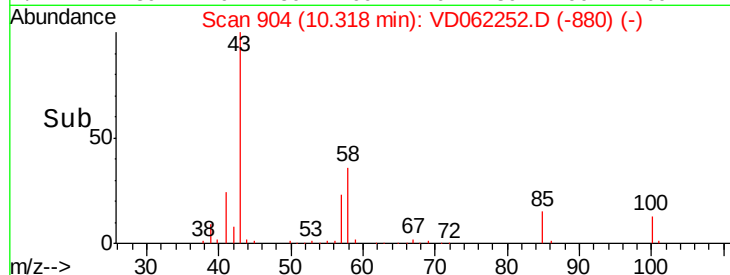
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.128 ug/l

RT: 10.52 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062252.D

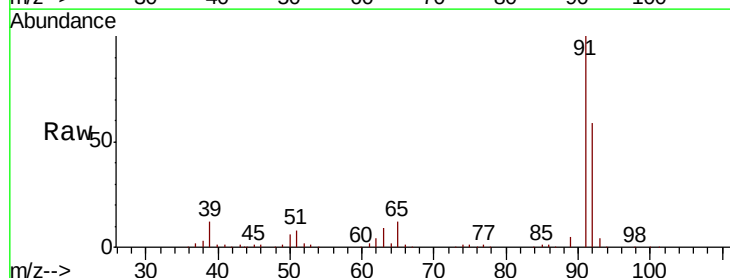
Acq: 12 May 2019 11:51

Tgt Ion: 92 Resp: 765080

Ion Ratio Lower Upper

92 100

91 169.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

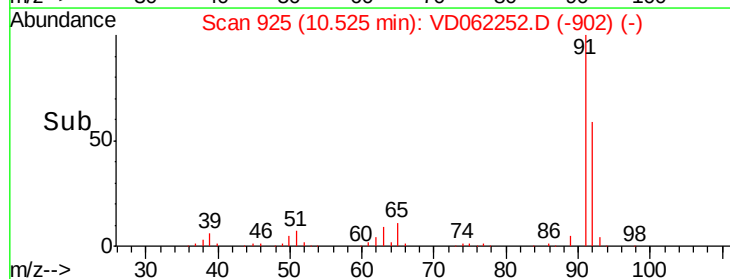
600000

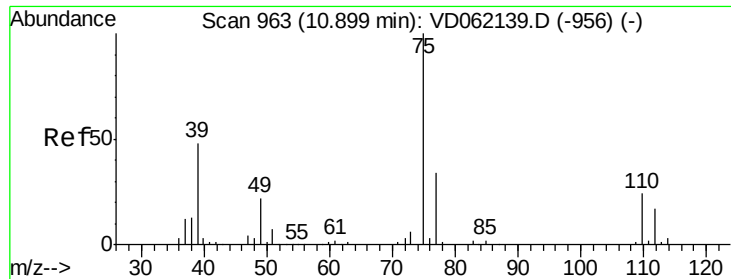
400000

200000

0

Time-->

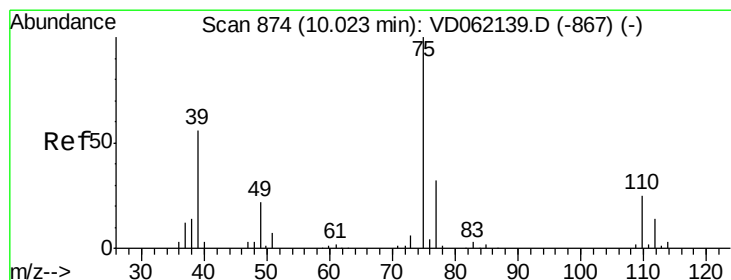
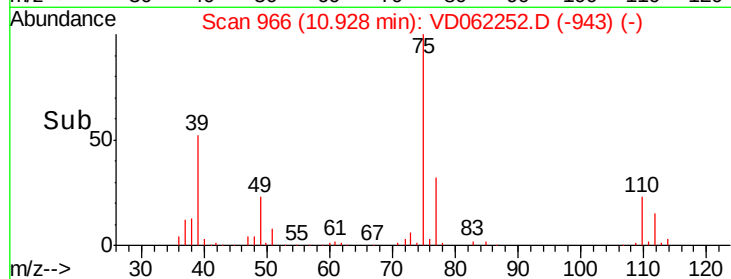
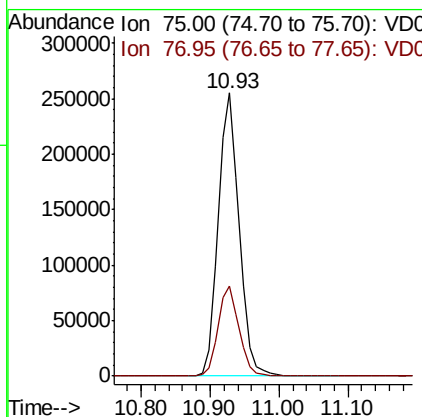
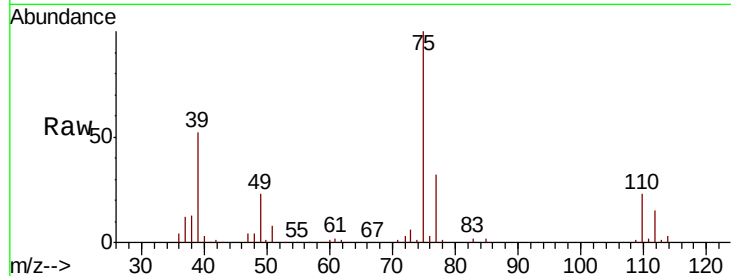




#53
 t-1,3-Dichloropropene
 Concen: 55.650 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

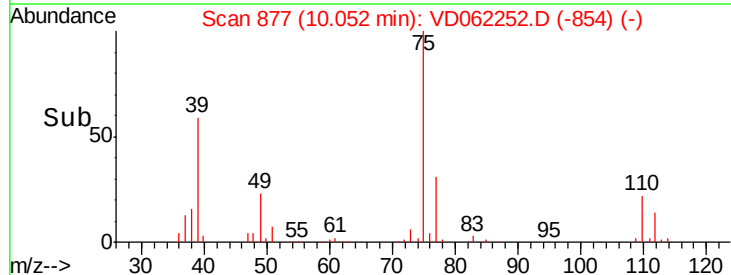
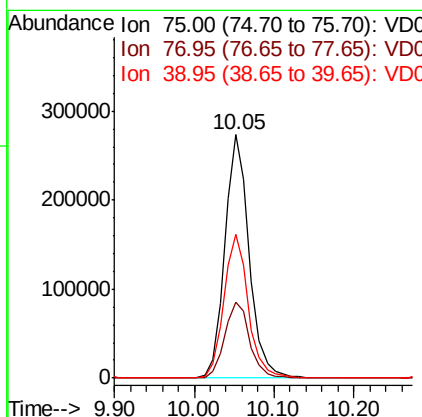
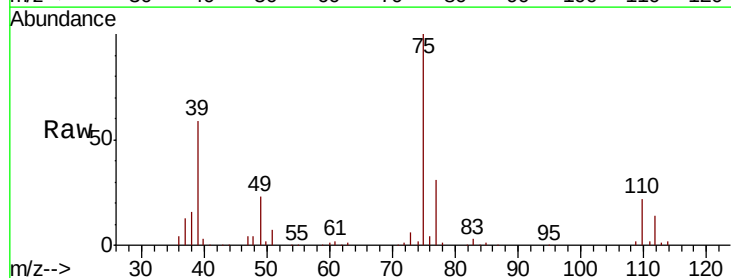
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

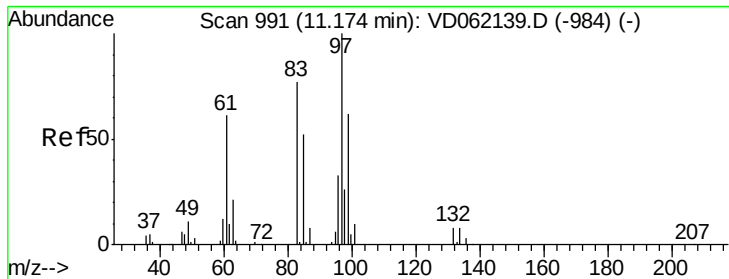
Tot Ion: 75 Resp: 533800
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 56.012 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion: 75 Resp: 586121
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.5 38.3
 39 59.1 39.4 59.2

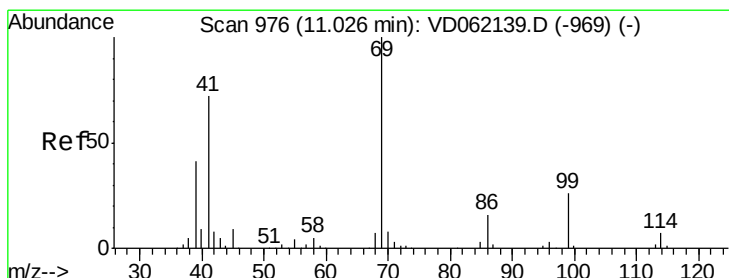
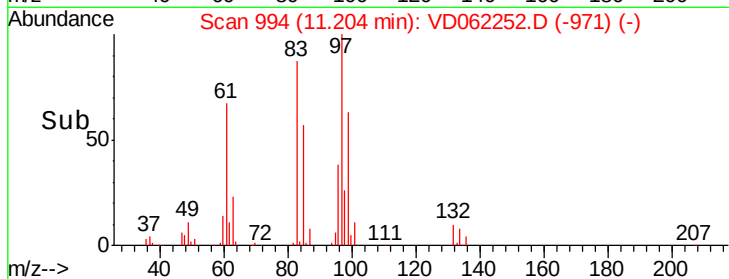
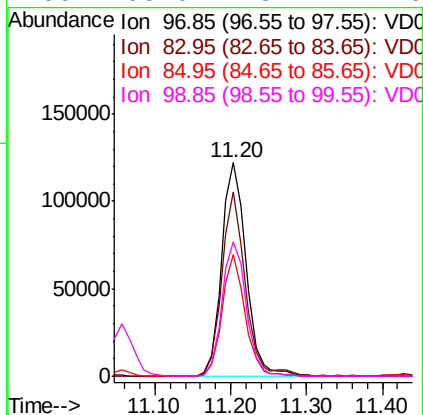
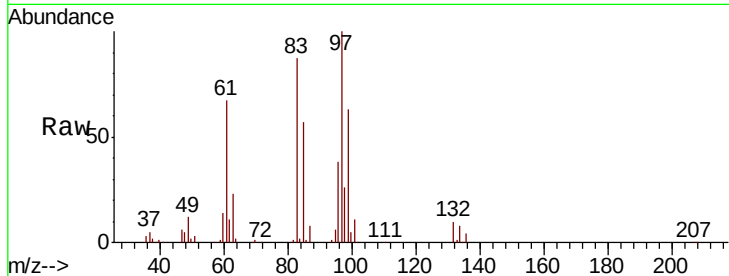




#55
 1,1,2-Trichloroethane
 Concen: 52.453 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

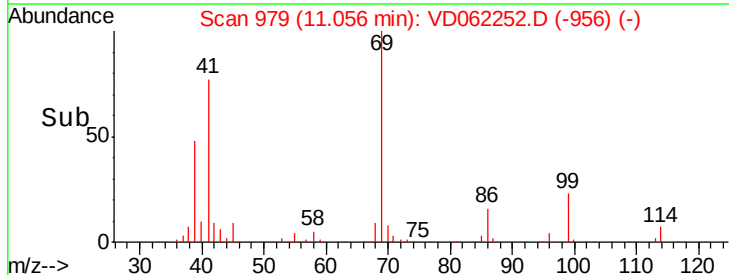
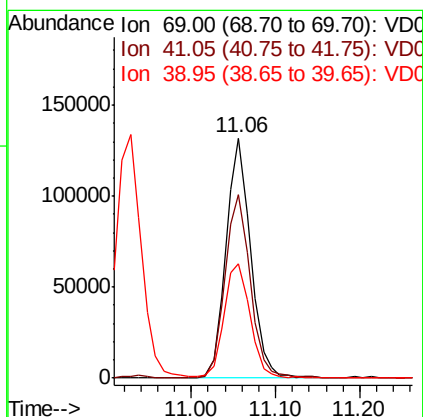
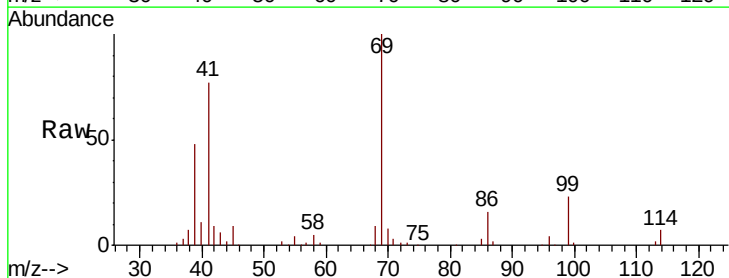
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

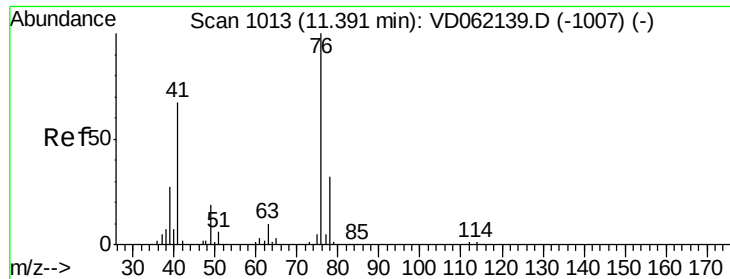
Tot Ion:	97	Resp:	272388
Ion	Ratio	Lower	Upper
97	100		
83	86.6	65.7	98.5
85	56.9	45.6	68.4
99	63.0	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 49.648 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion:	69	Resp:	267917
Ion	Ratio	Lower	Upper
69	100		
41	76.5	56.3	84.5
39	47.9	29.4	44.2#

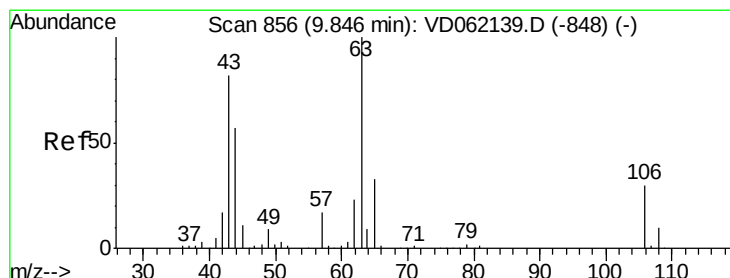
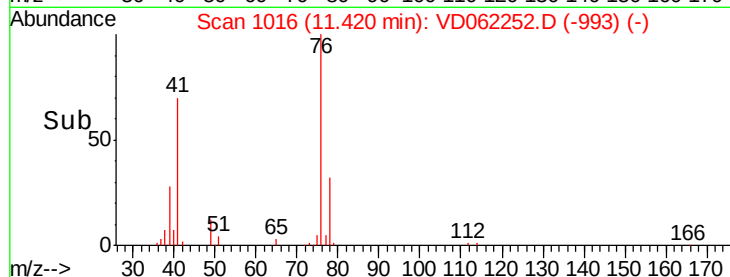
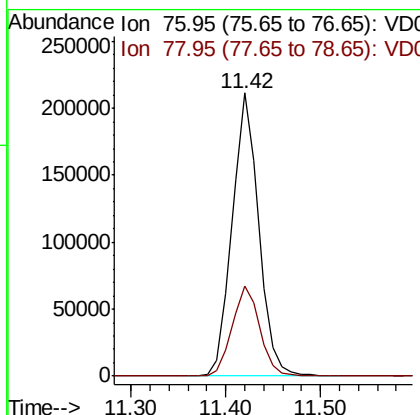
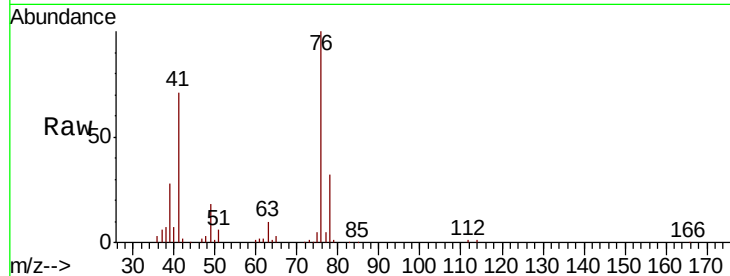




#57
 1,3-Dichloropropane
 Concen: 52.268 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

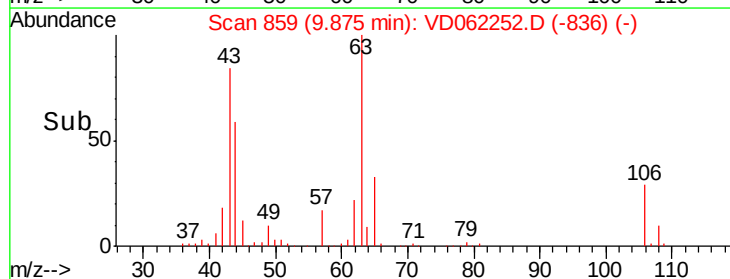
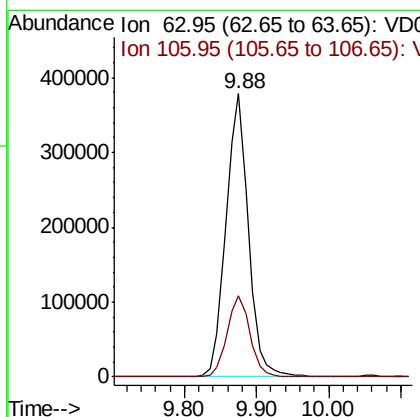
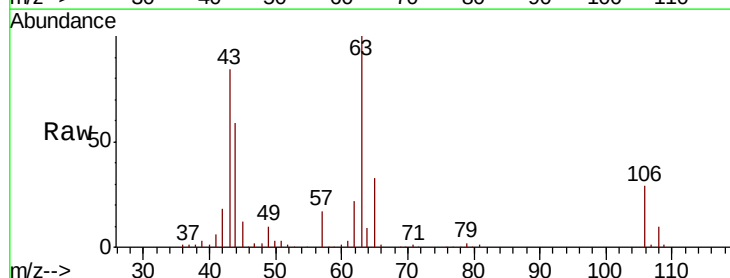
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

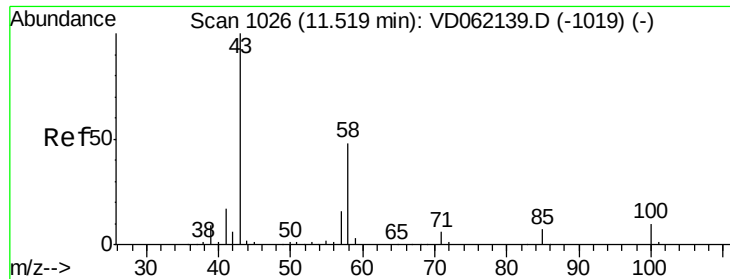
Tot Ion: 76 Resp: 410065
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.440 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion: 63 Resp: 814851
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.6 34.0

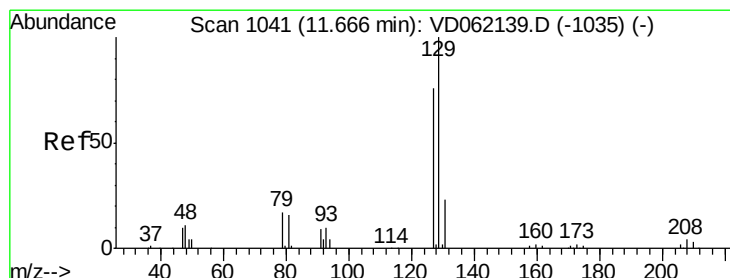
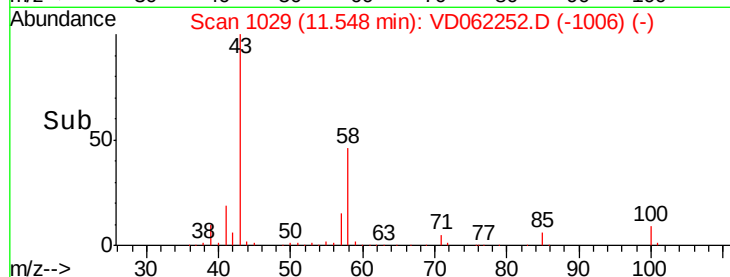
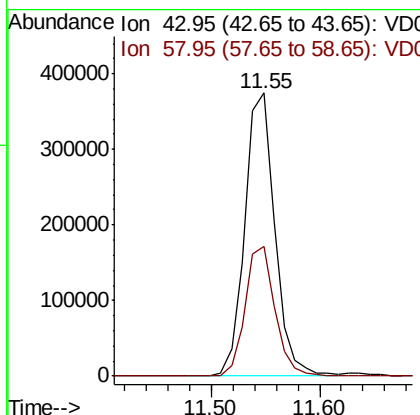
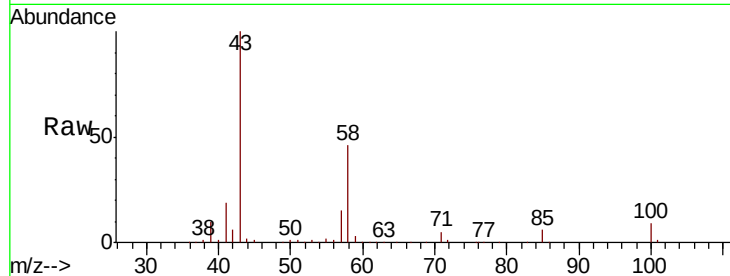




#59
2-Hexanone
Concen: 254.134 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

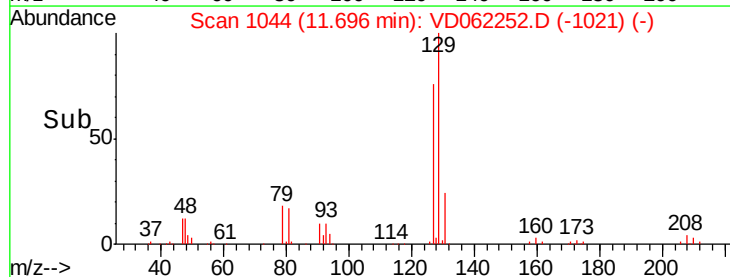
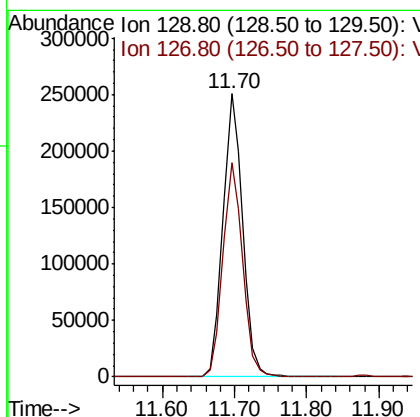
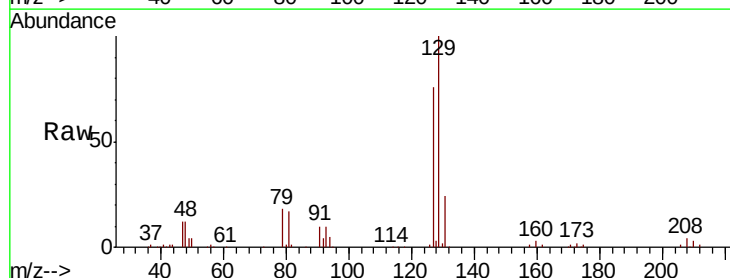
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

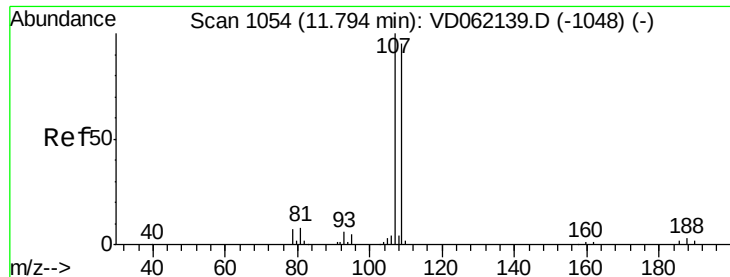
Tot Ion: 43 Resp: 723400
Ion Ratio Lower Upper
43 100
58 45.7 25.4 76.4



#60
Dibromochloromethane
Concen: 52.810 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion:129 Resp: 473953
Ion Ratio Lower Upper
129 100
127 75.5 38.0 113.9

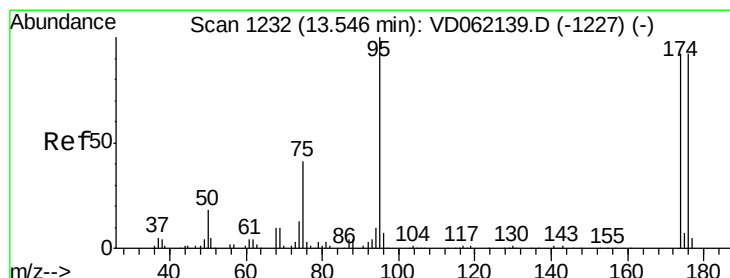
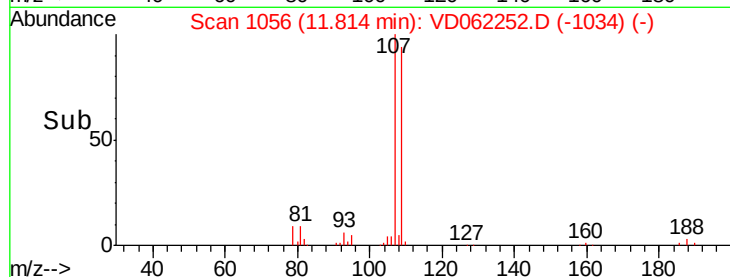
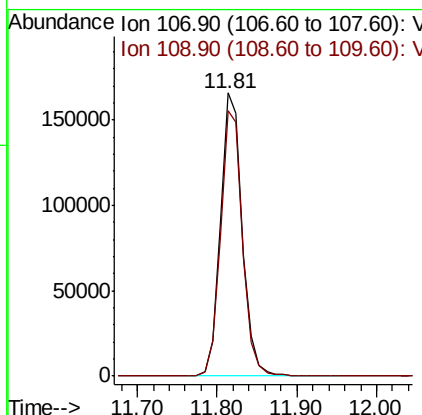
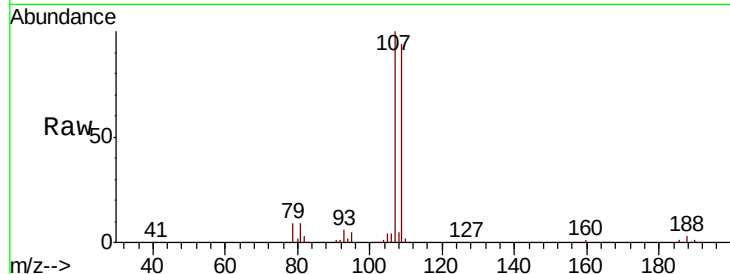




#61
 1,2-Dibromoethane
 Concen: 50.408 ug/l
 RT: 11.81 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

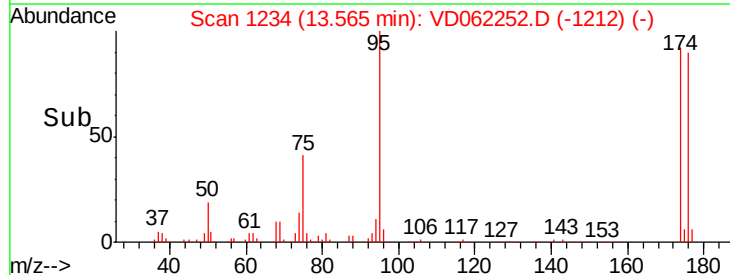
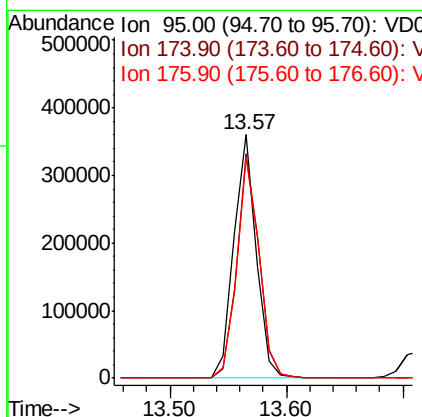
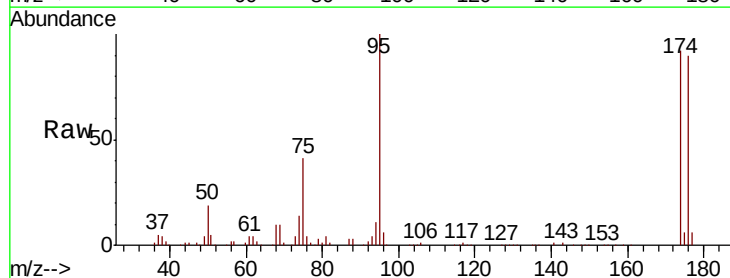
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

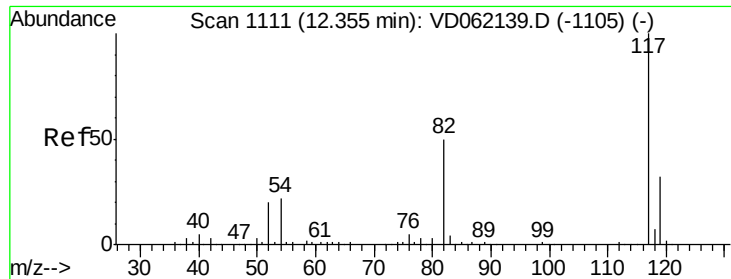
Tot Ion:107 Resp: 318251
 Ion Ratio Lower Upper
 107 100
 109 93.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 48.811 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion: 95 Resp: 477738
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 181.8
 176 90.5 0.0 174.4

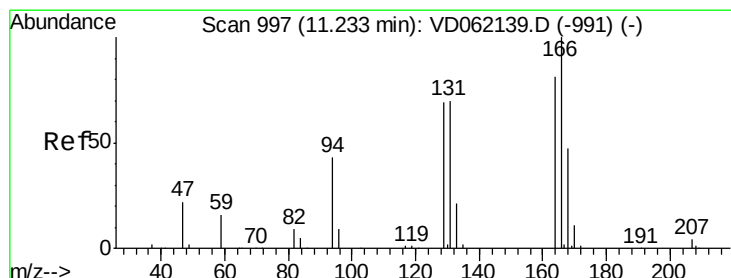
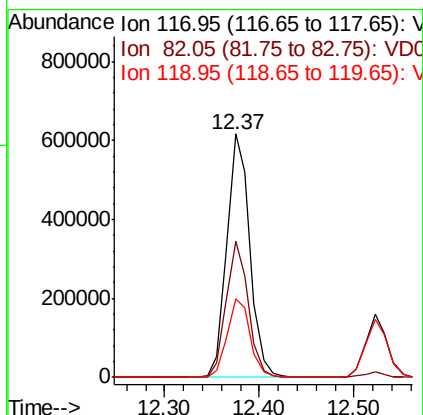
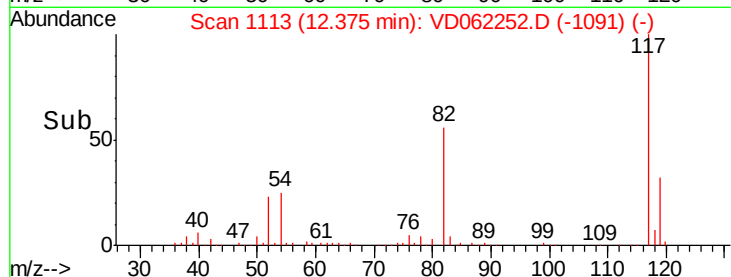
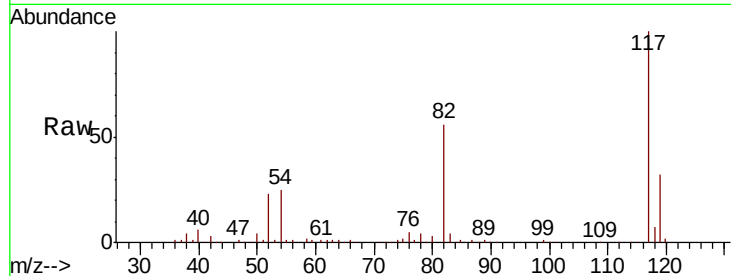




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

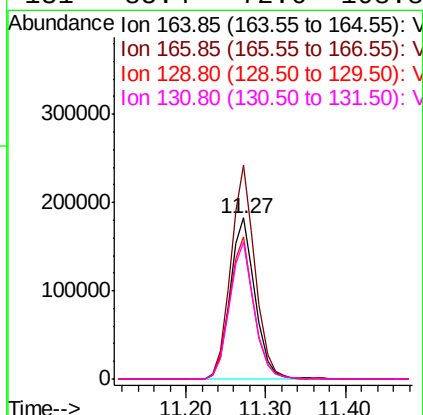
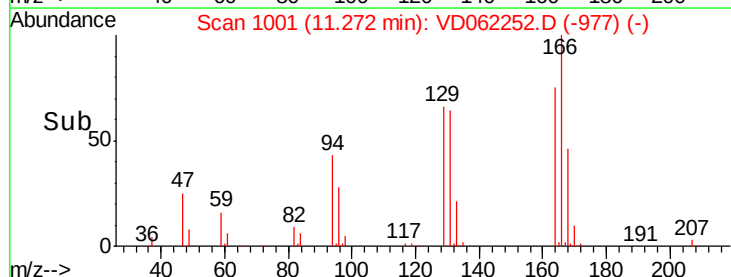
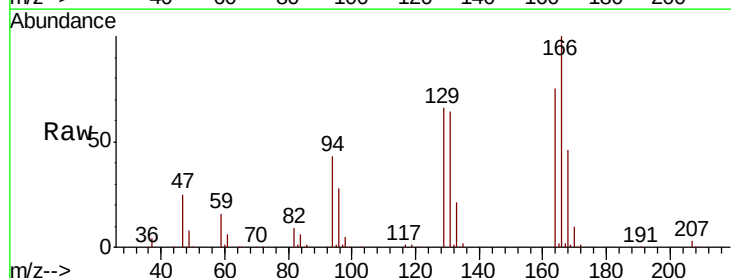
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

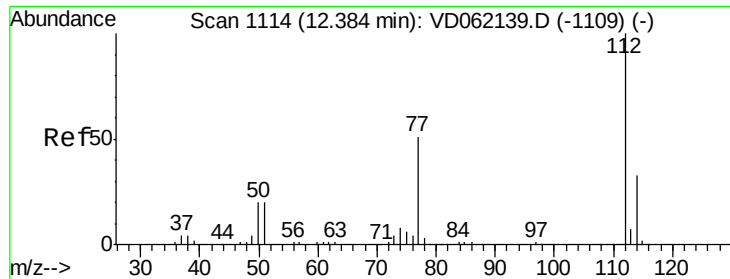
Tot Ion:117 Resp: 1028957
Ion Ratio Lower Upper
117 100
82 55.6 36.2 54.2#
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 49.426 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion:164 Resp: 397680
Ion Ratio Lower Upper
164 100
166 132.7 101.5 152.3
129 88.2 74.6 112.0
131 85.4 72.6 108.8

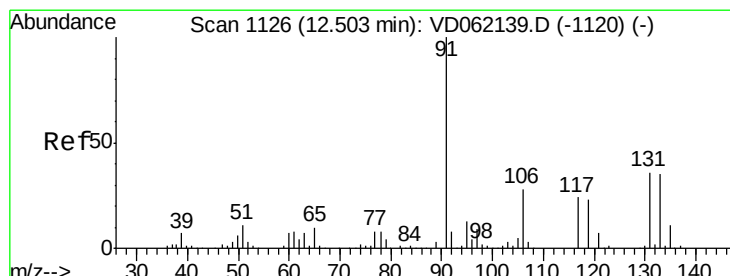
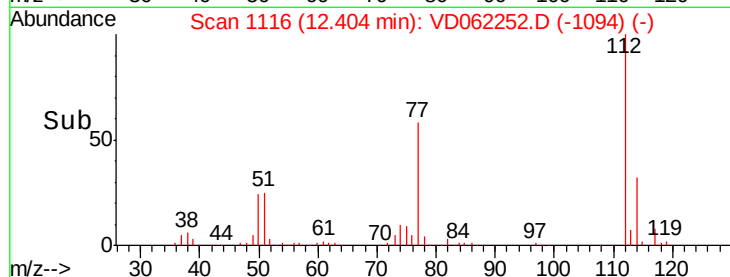
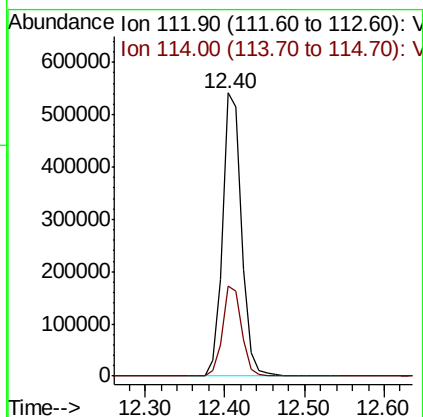
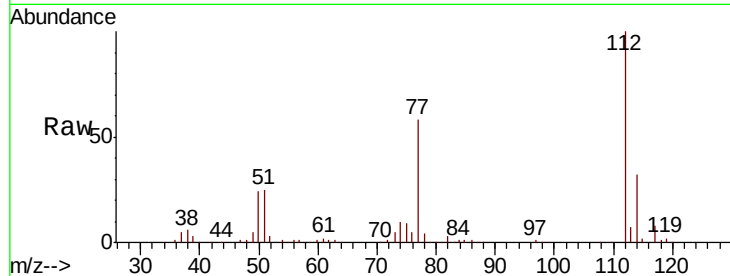




#65
Chlorobenzene
Concen: 47.686 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

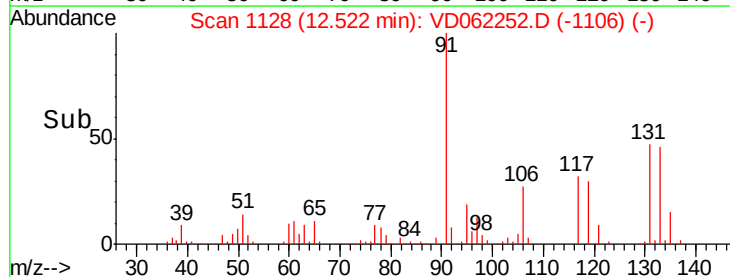
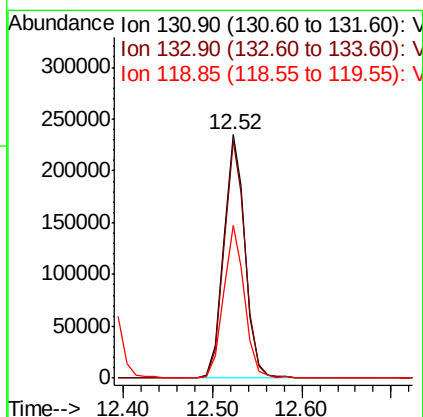
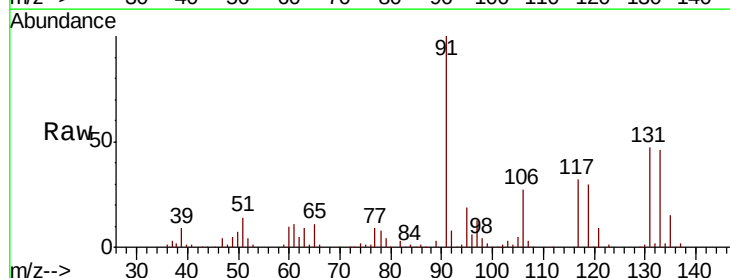
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

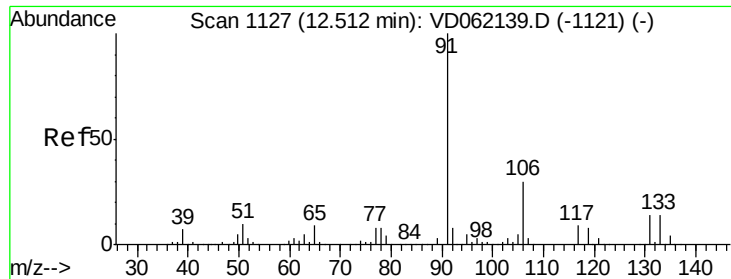
Tot Ion:112 Resp: 913878
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 47.491 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion:131 Resp: 396108
Ion Ratio Lower Upper
131 100
133 97.4 48.6 145.8
119 62.6 34.7 104.1

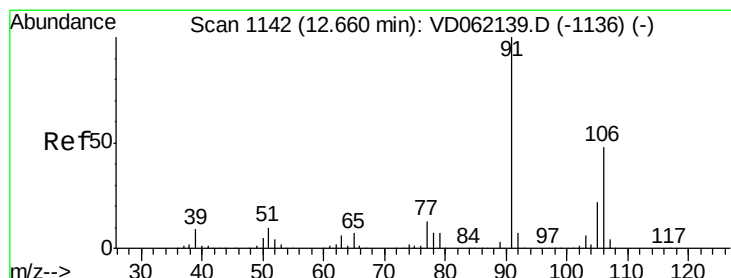
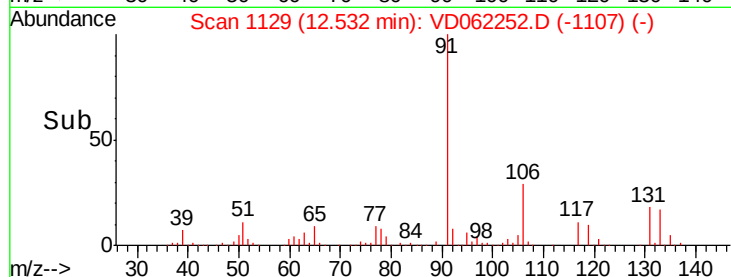
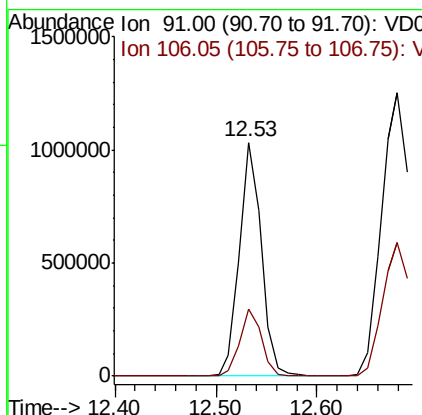
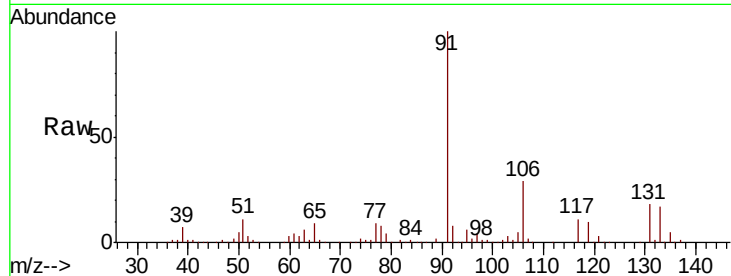




#67
Ethyl Benzene
Concen: 48.690 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

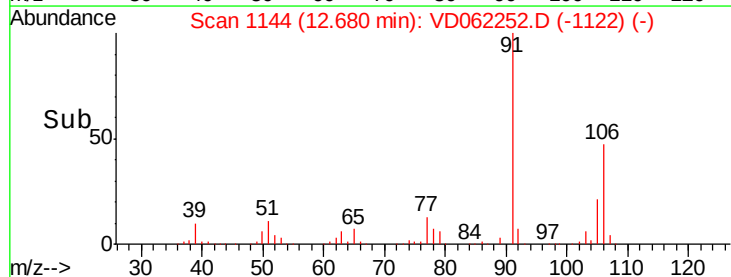
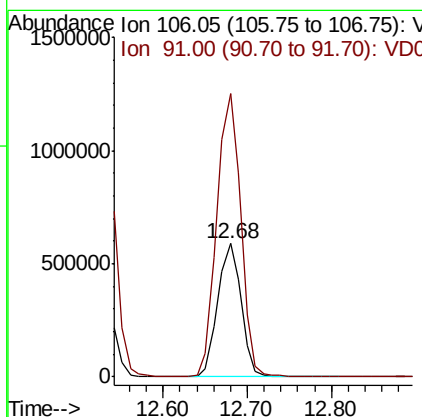
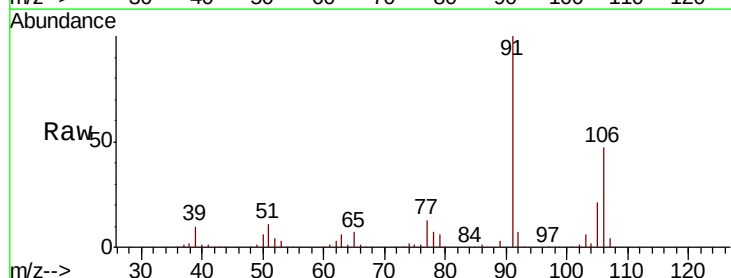
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

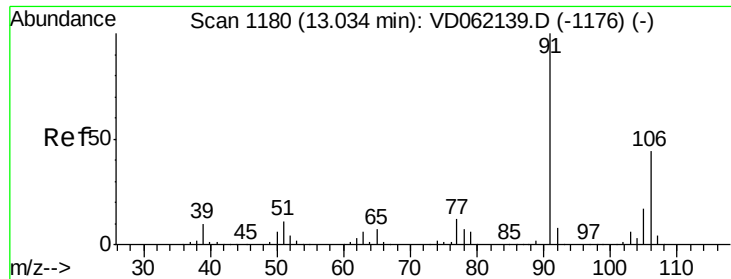
Tot Ion: 91 Resp: 1562185
Ion Ratio Lower Upper
91 100
106 28.5 24.7 37.1



#68
m/p-Xylenes
Concen: 97.506 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion: 106 Resp: 1138196
Ion Ratio Lower Upper
106 100
91 212.5 164.0 246.0

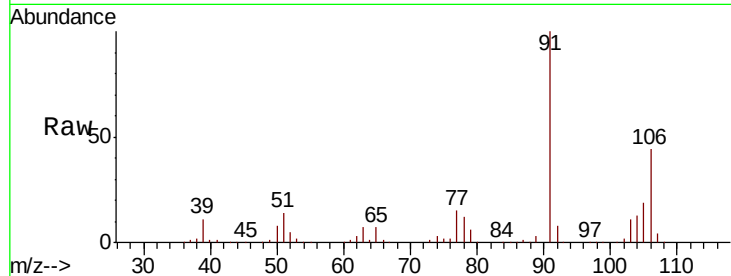




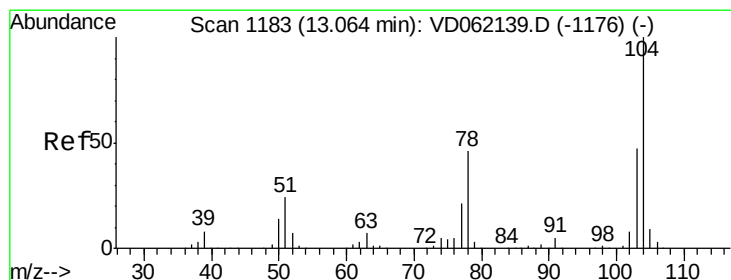
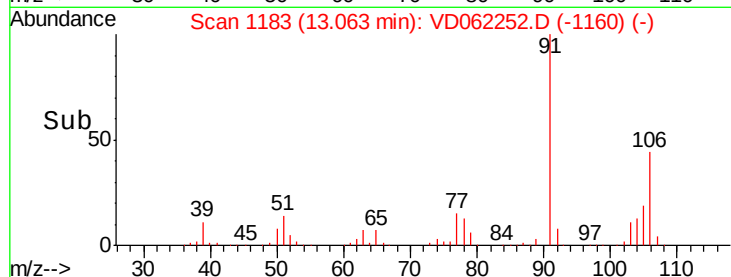
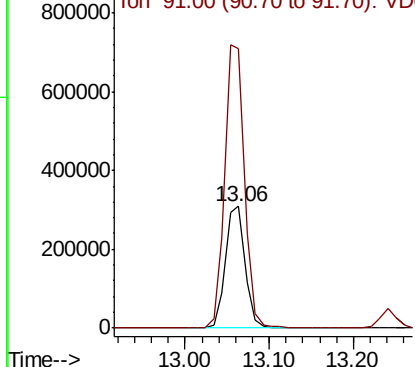
#69
o-Xylene
Concen: 45.871 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. 0.03 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 497812
Ion Ratio Lower Upper
106 100
91 229.2 106.7 319.9

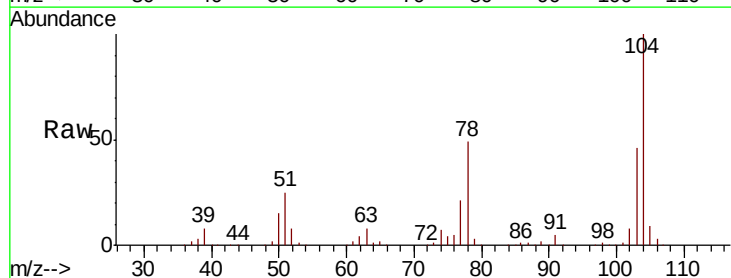


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

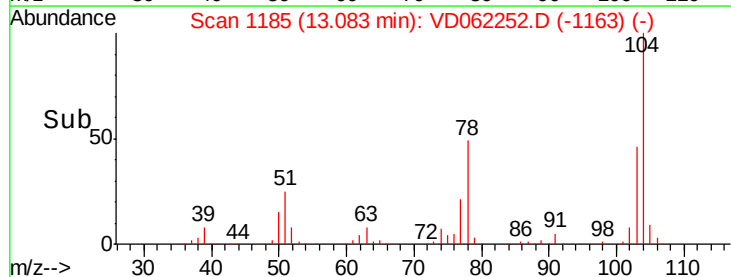
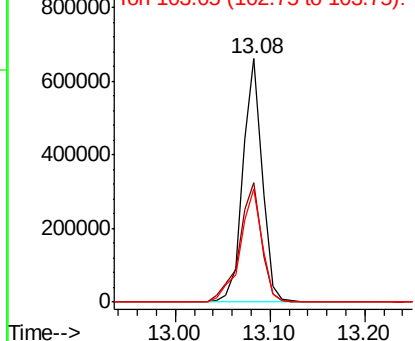


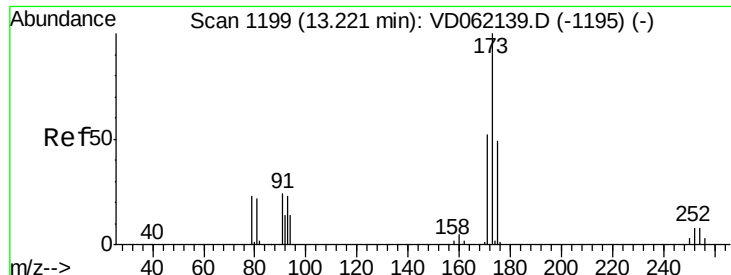
#70
Styrene
Concen: 50.386 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion:104 Resp: 926297
Ion Ratio Lower Upper
104 100
78 48.8 35.4 53.2
103 46.3 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: 50.379 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

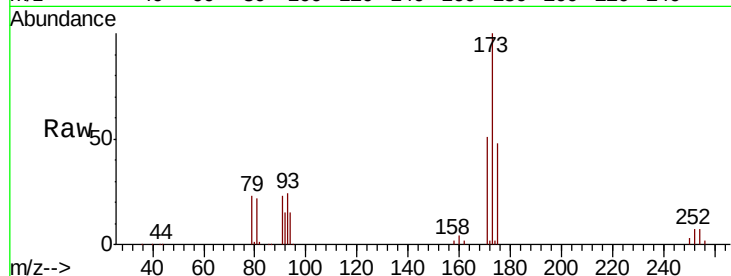
Tot Ion:173 Resp: 292345

Ion Ratio Lower Upper

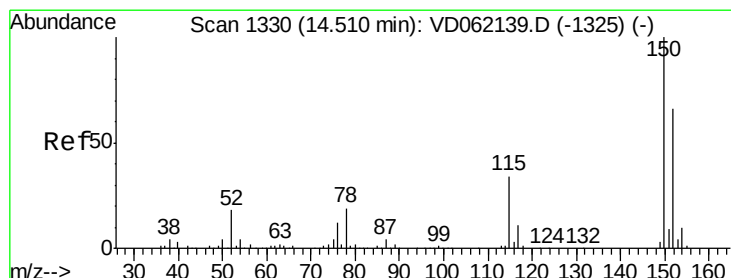
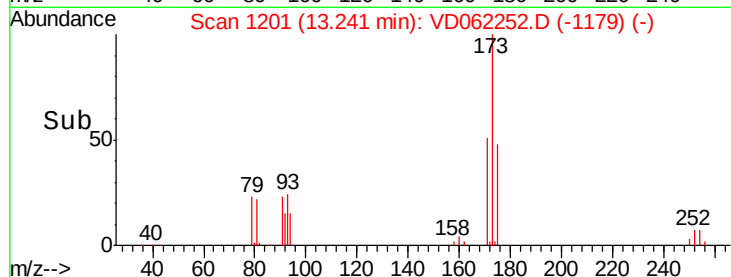
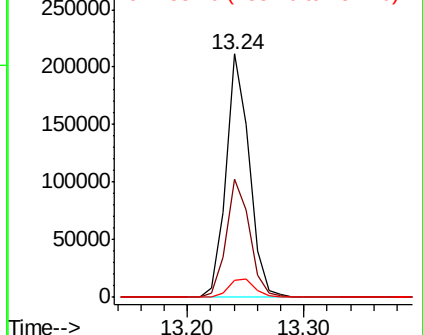
173 100

175 48.4 24.4 73.4

254 7.2 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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

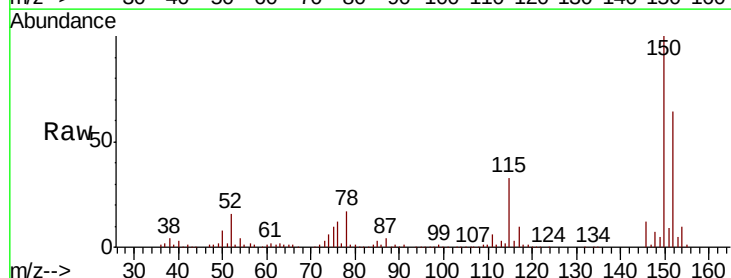
Tgt Ion:152 Resp: 526185

Ion Ratio Lower Upper

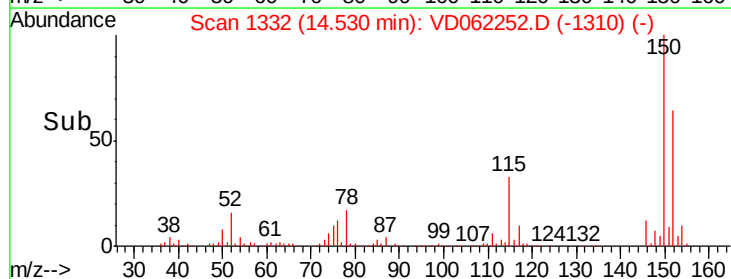
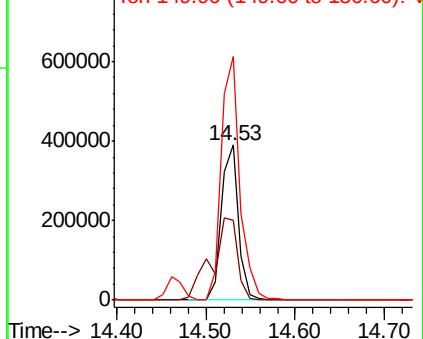
152 100

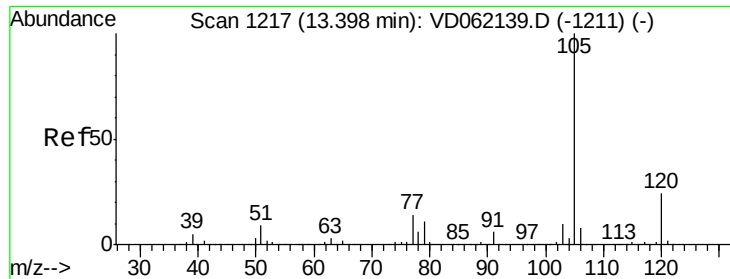
115 51.7 30.9 92.7

150 157.2 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: 54.433 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

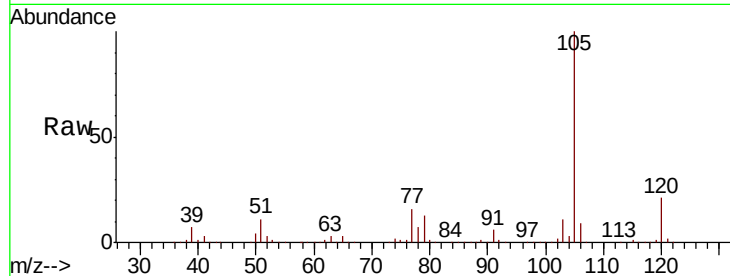
VSTDCCC050

Tot Ion:105 Resp: 1716869

Ion Ratio Lower Upper

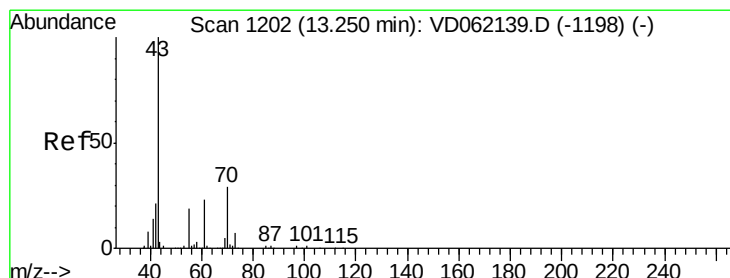
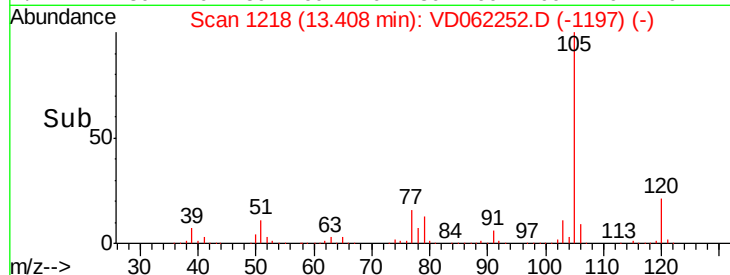
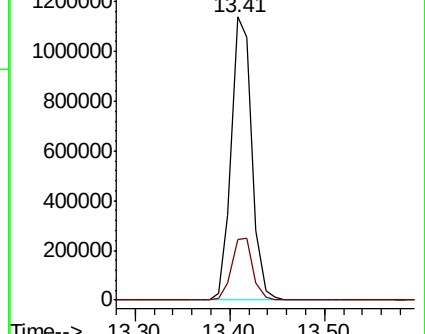
105 100

120 21.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 45.878 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Tgt Ion: 43 Resp: 379389

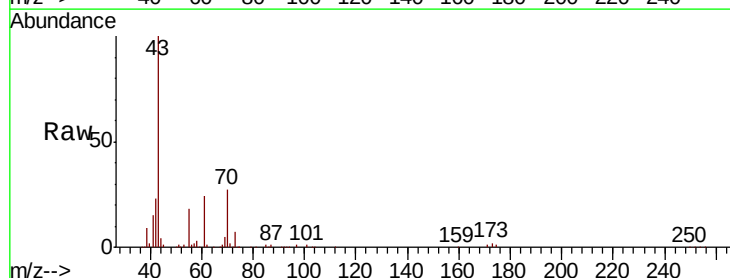
Ion Ratio Lower Upper

43 100

70 26.9 24.2 36.4

55 17.8 16.0 24.0

61 23.8 21.6 32.4

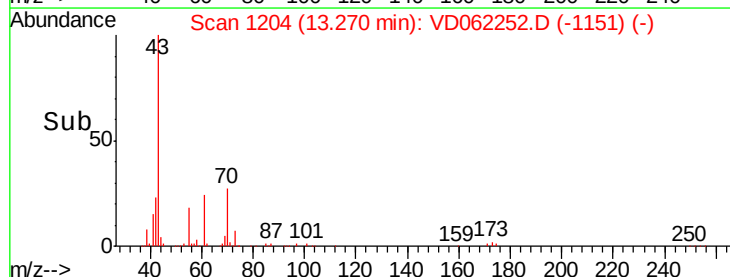
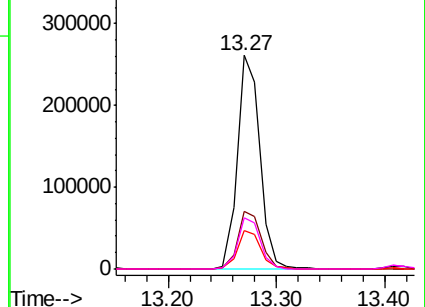


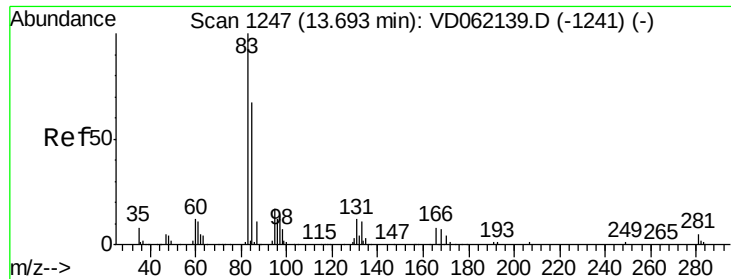
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.263 ug/l

RT: 13.71 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

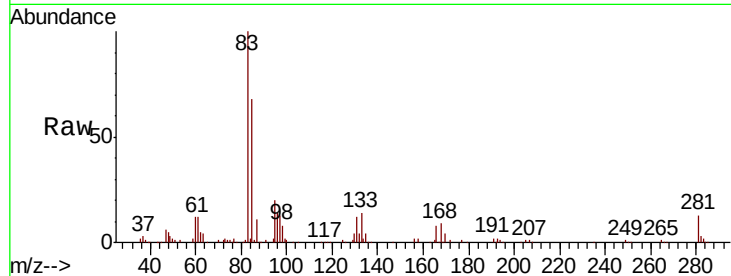
Tot Ion: 83 Resp: 300127

Ion Ratio Lower Upper

83 100

131 11.6 5.0 14.9

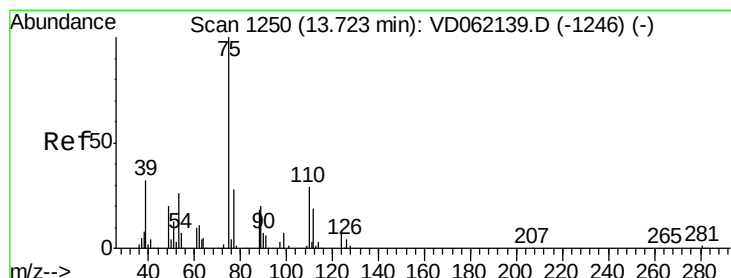
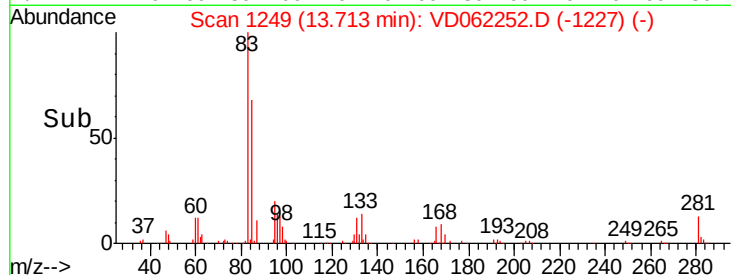
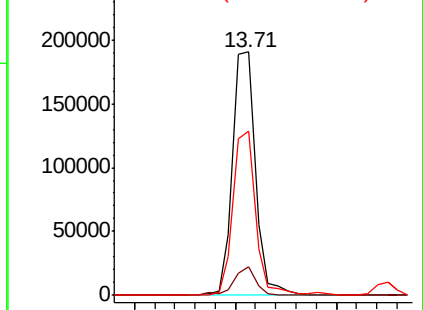
85 67.7 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.167 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062252.D

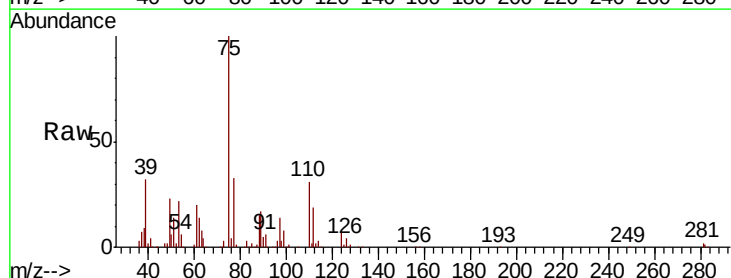
Acq: 12 May 2019 11:51

Tgt Ion: 75 Resp: 319964

Ion Ratio Lower Upper

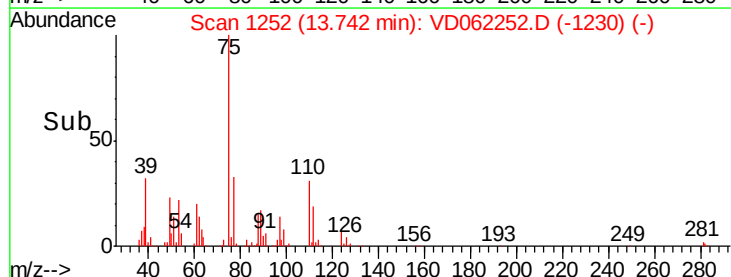
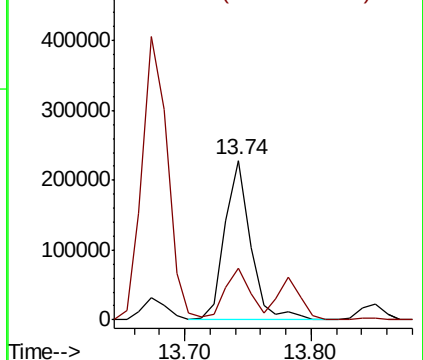
75 100

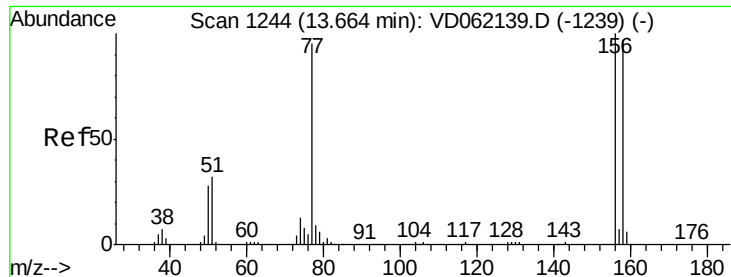
77 32.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.713 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

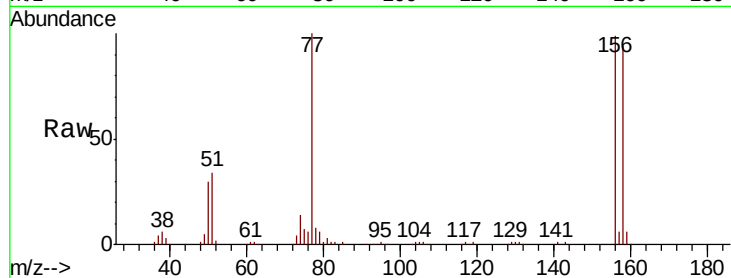
Tot Ion:156 Resp: 456603

Ion Ratio Lower Upper

156 100

77 100.6 53.1 159.4

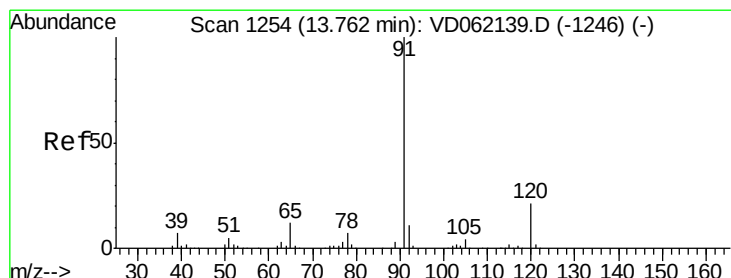
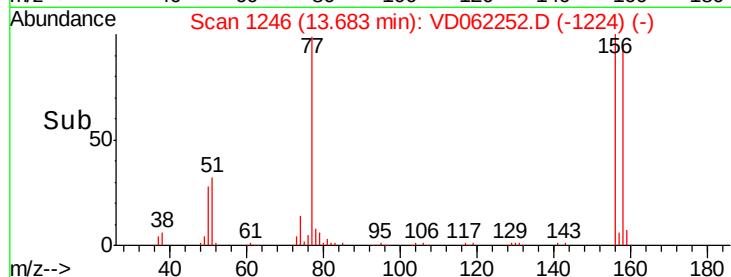
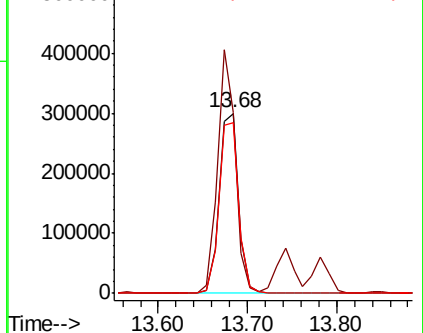
158 94.9 49.4 148.0



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: 51.861 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062252.D

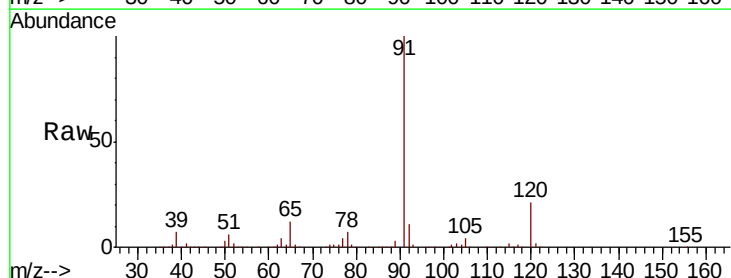
Acq: 12 May 2019 11:51

Tgt Ion: 91 Resp: 1951274

Ion Ratio Lower Upper

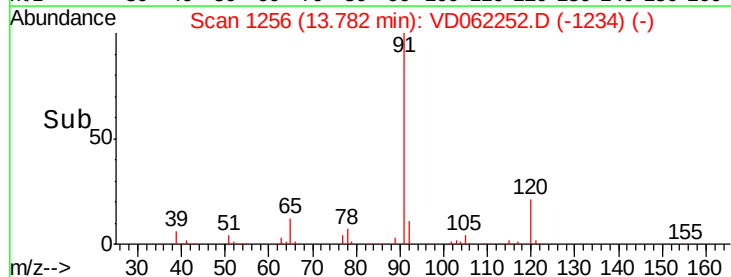
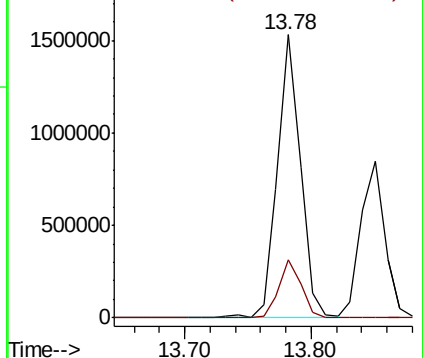
91 100

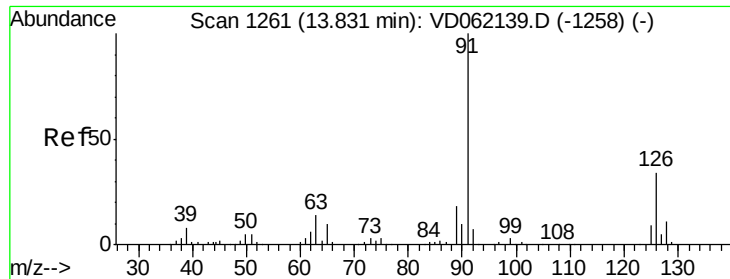
120 20.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

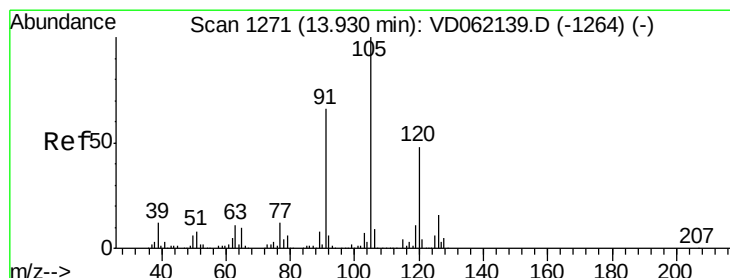
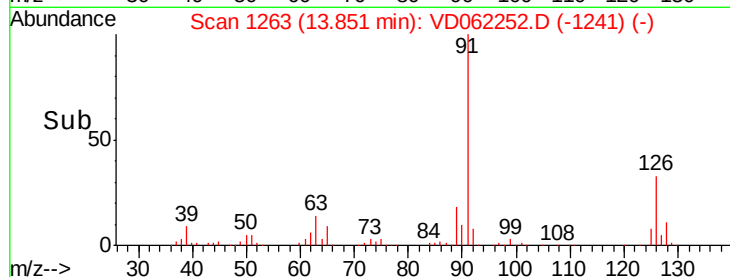
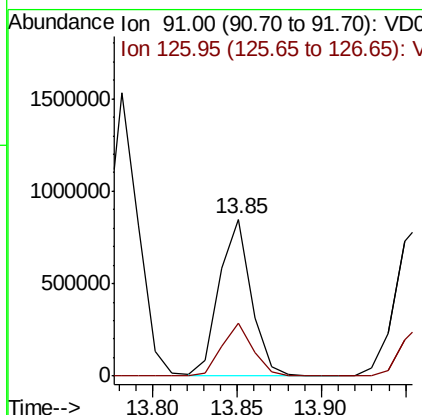
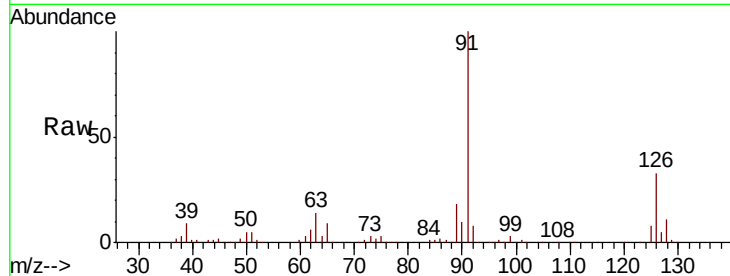




#79
2-Chlorotoluene
Concen: 51.299 ug/l
RT: 13.85 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

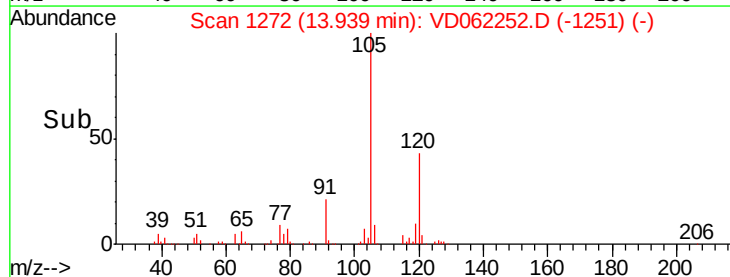
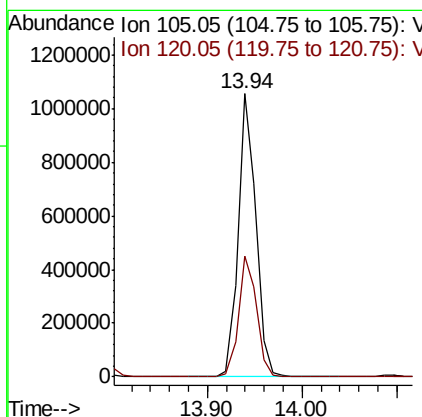
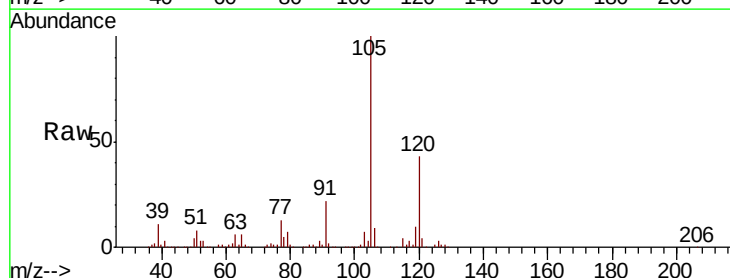
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

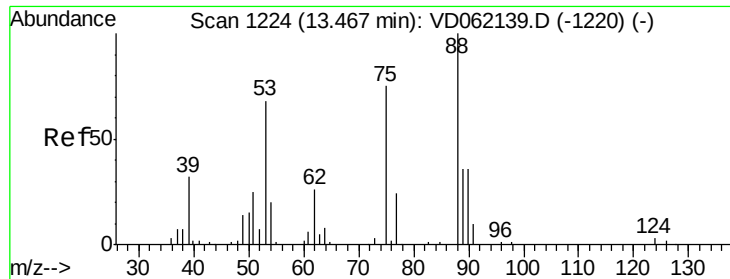
Tot Ion: 91 Resp: 1105421
Ion Ratio Lower Upper
91 100
126 33.4 18.6 55.8



#80
1,3,5-Trimethylbenzene
Concen: 51.230 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion:105 Resp: 1360680
Ion Ratio Lower Upper
105 100
120 42.5 24.0 72.0

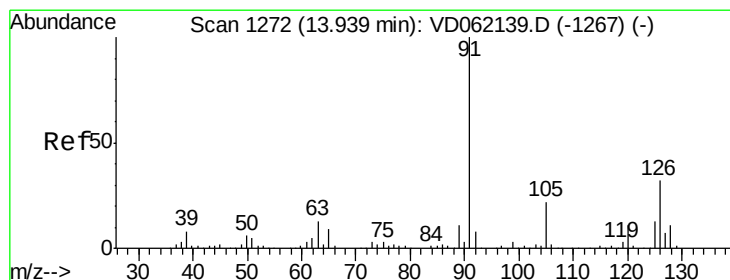
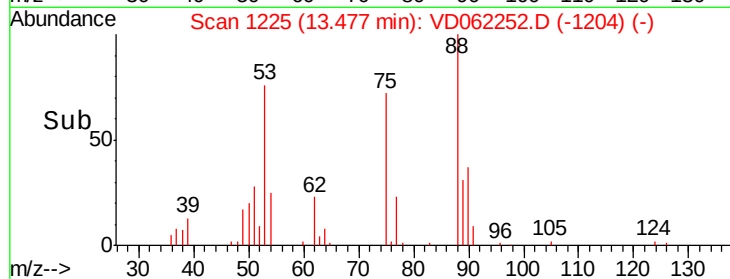
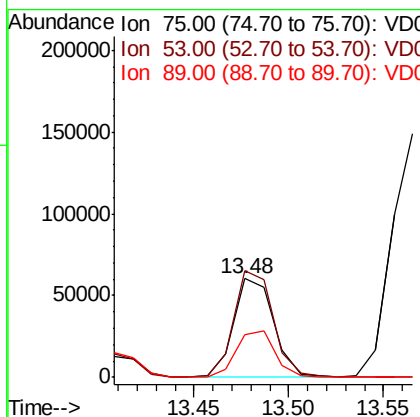
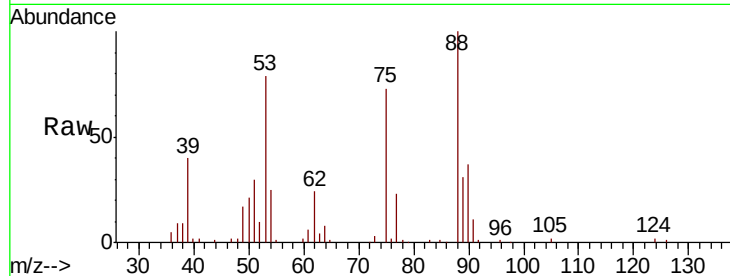




#81
trans-1,4-Dichloro-2-butene
Concen: 50.121 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

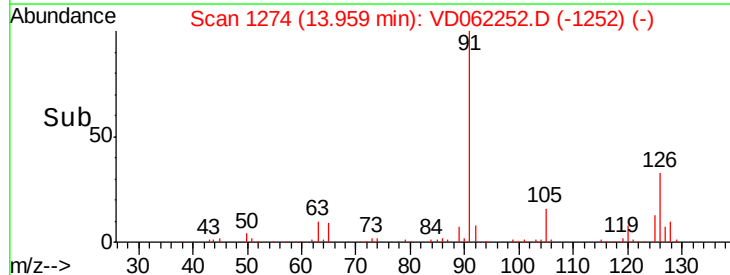
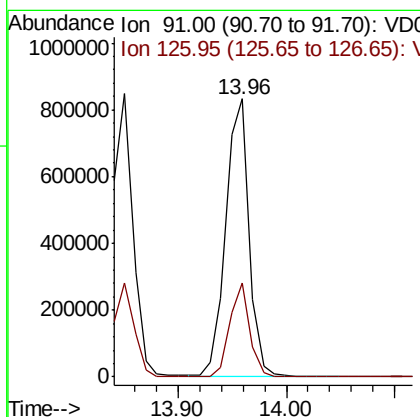
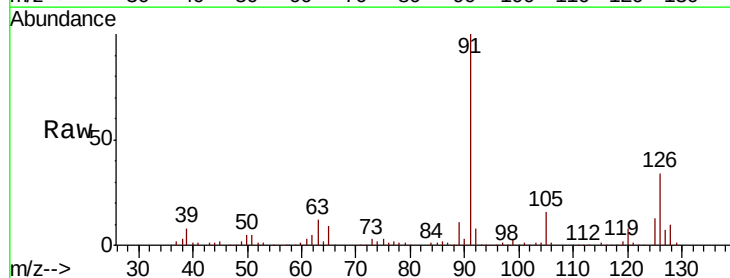
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

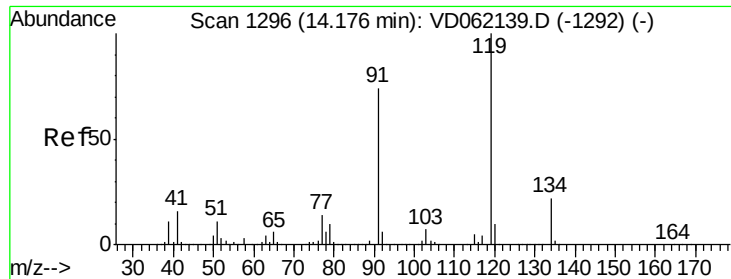
Tot Ion: 75 Resp: 88481
Ion Ratio Lower Upper
75 100
53 108.4 65.8 98.8#
89 42.7 35.0 52.6



#82
4-Chlorotoluene
Concen: 49.189 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.02 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion: 91 Resp: 1247311
Ion Ratio Lower Upper
91 100
126 33.7 19.1 57.5

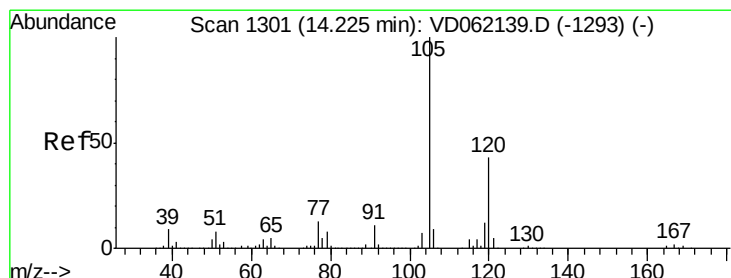
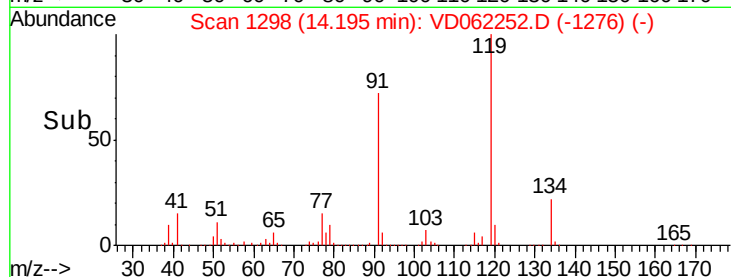
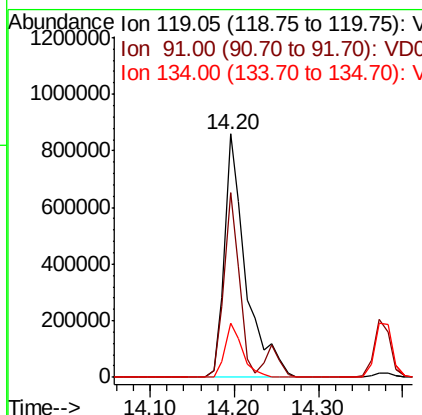
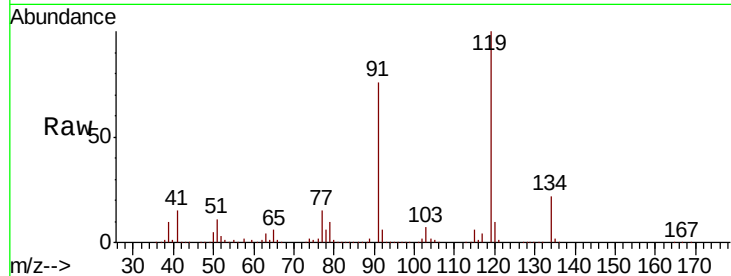




#83
 tert-Butylbenzene
 Concen: 50.760 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

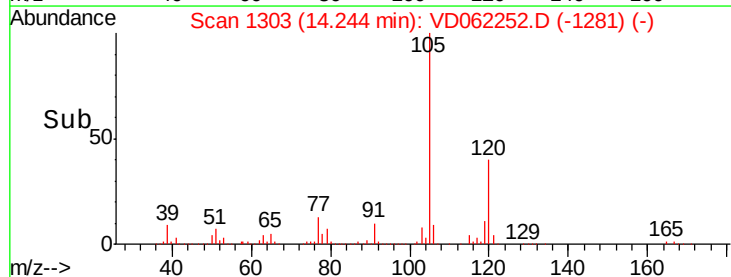
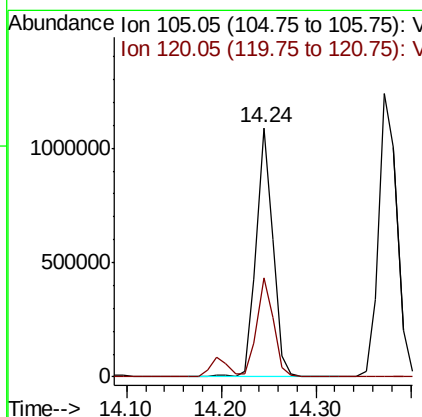
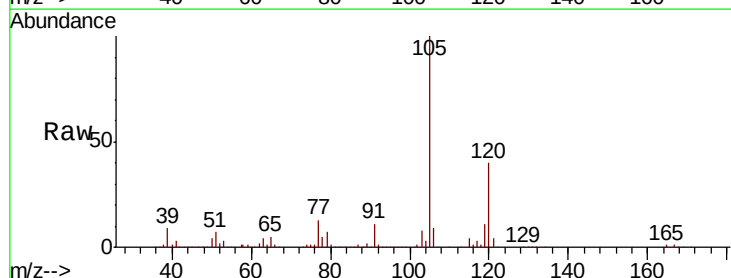
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

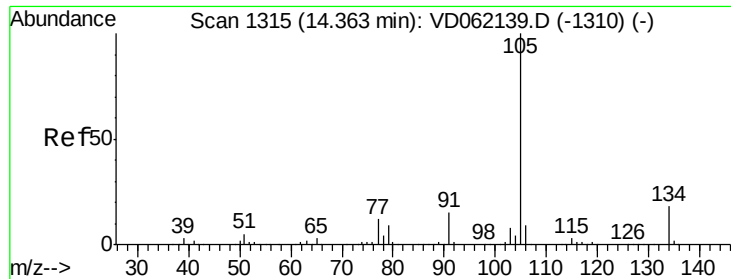
Tot Ion:119 Resp: 1515369
 Ion Ratio Lower Upper
 119 100
 91 76.1 34.2 102.6
 134 22.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.477 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion:105 Resp: 1345377
 Ion Ratio Lower Upper
 105 100
 120 39.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 51.104 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

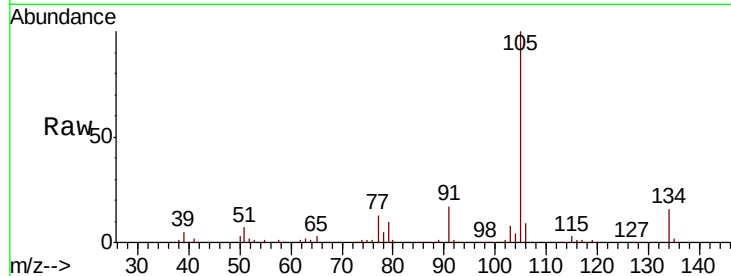
VSTDCCC050

Tot Ion:105 Resp: 1672710

Ion Ratio Lower Upper

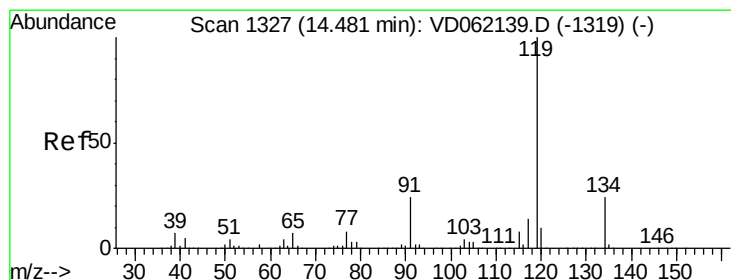
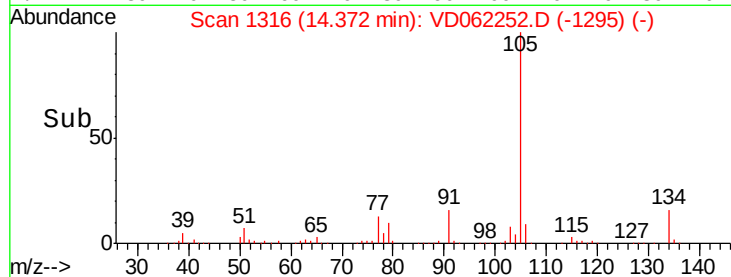
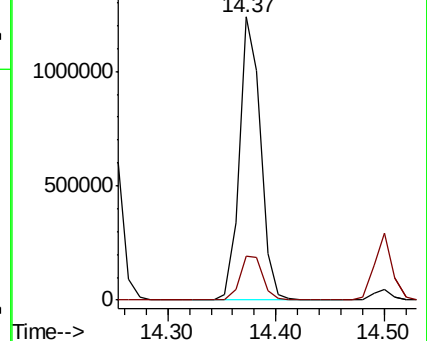
105 100

134 15.5 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.411 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

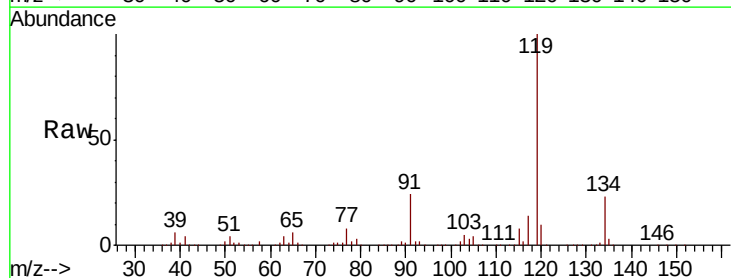
Tgt Ion:119 Resp: 1503450

Ion Ratio Lower Upper

119 100

134 23.0 12.8 38.3

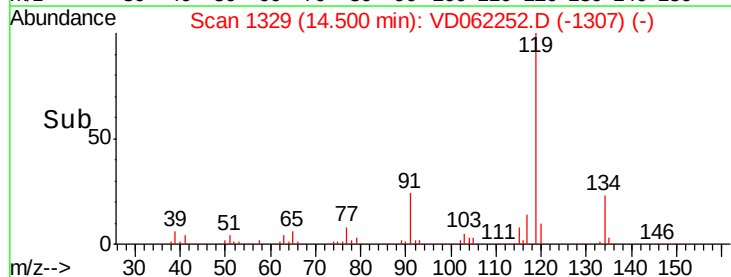
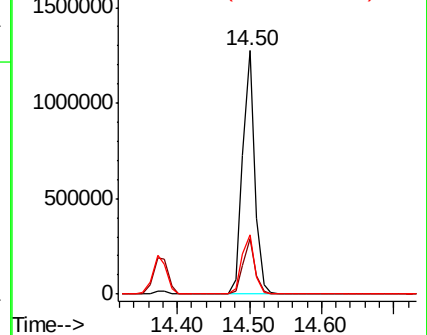
91 24.3 10.7 32.1

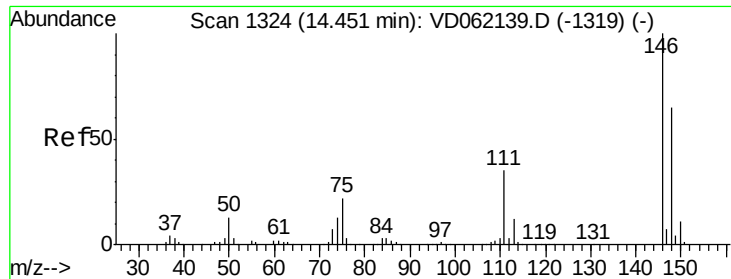


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

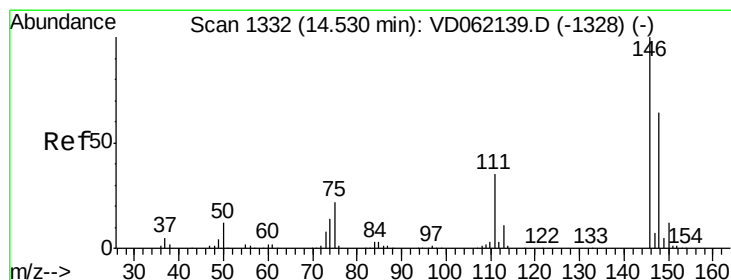
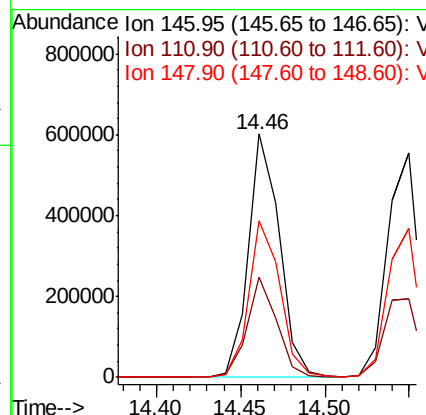
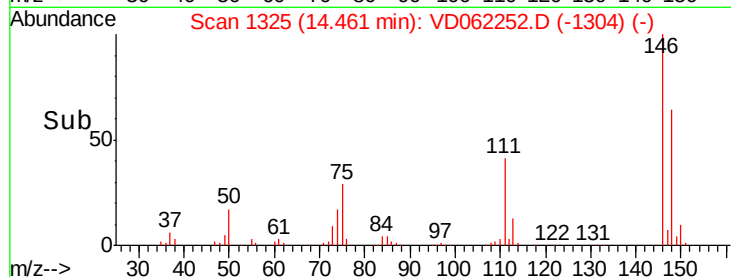
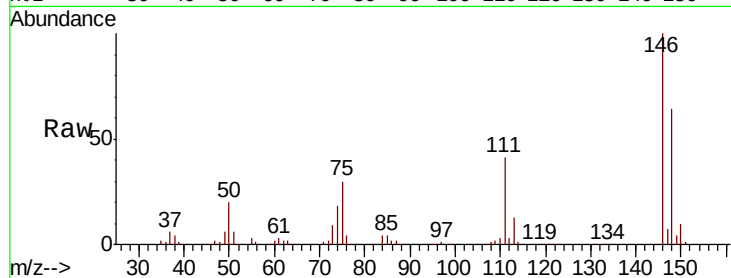




#87
 1,3-Dichlorobenzene
 Concen: 47.743 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

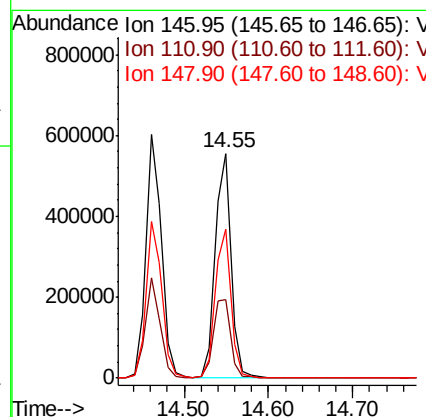
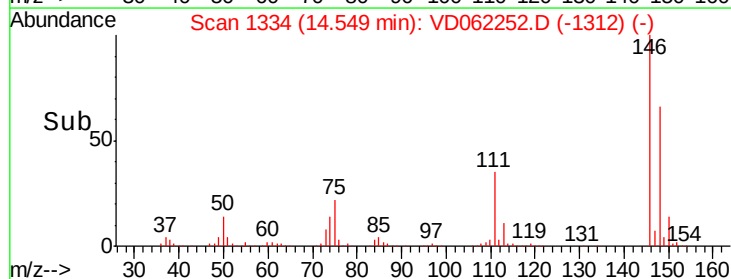
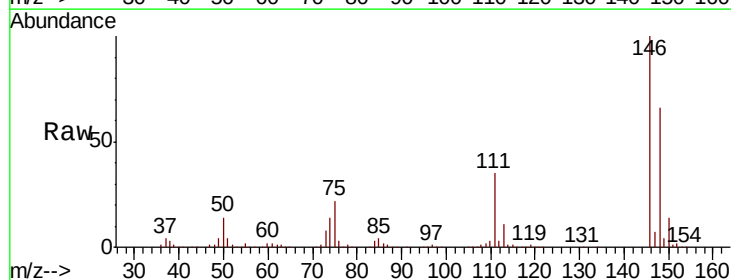
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

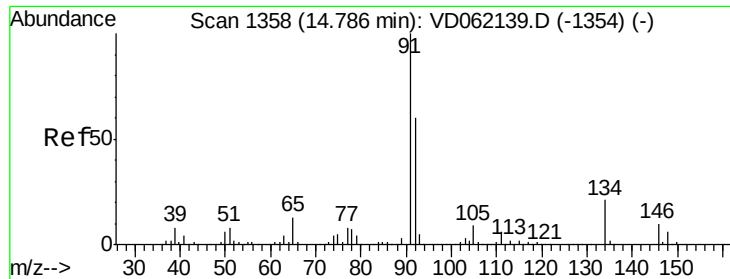
Tot Ion:146 Resp: 770062
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.0 60.0
 148 64.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 45.886 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion:146 Resp: 727215
 Ion Ratio Lower Upper
 146 100
 111 34.9 20.2 60.5
 148 66.0 32.0 96.2

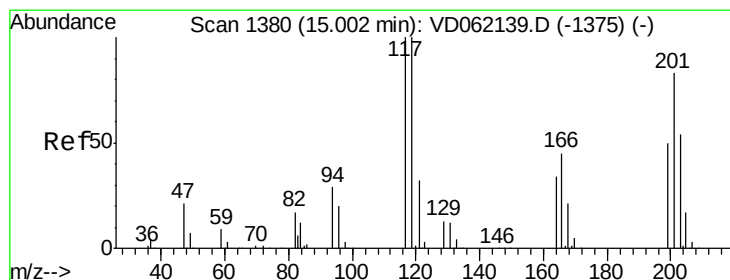
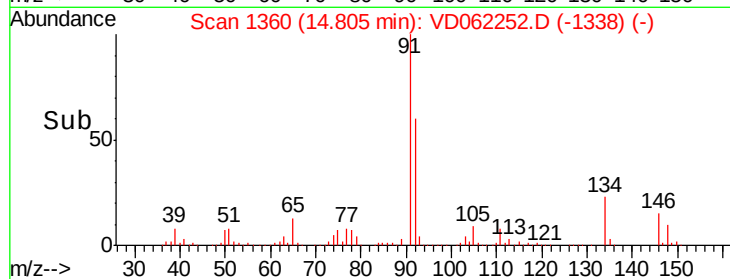
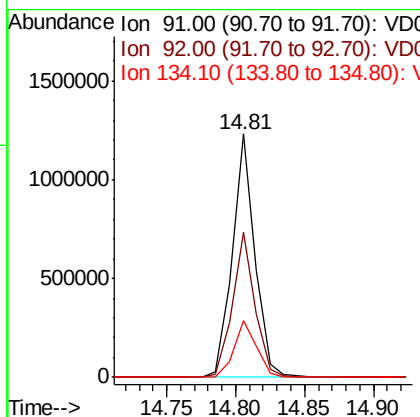
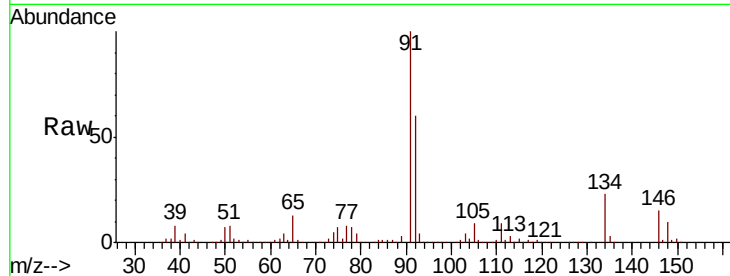




#89
n-Butylbenzene
Concen: 52.869 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

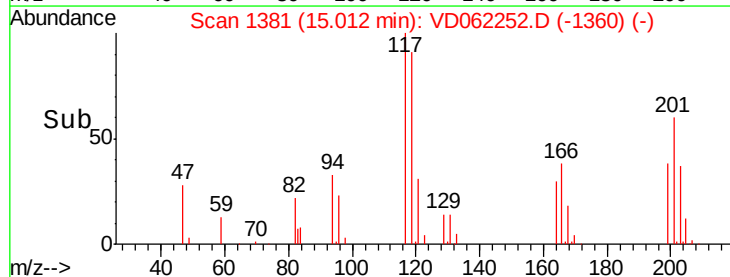
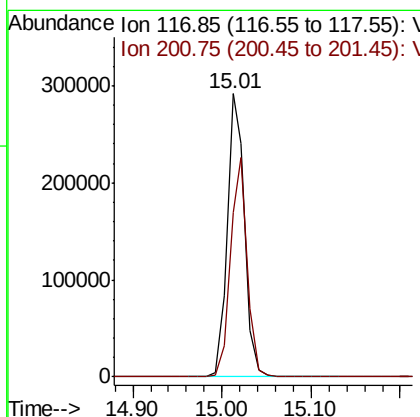
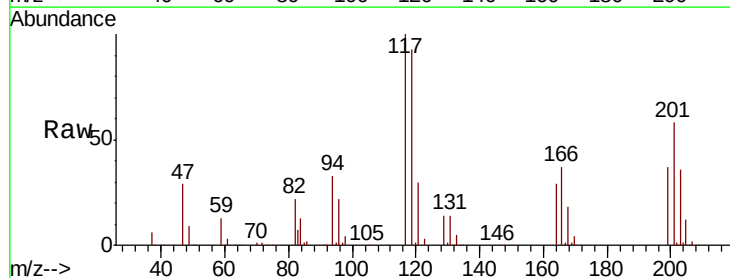
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

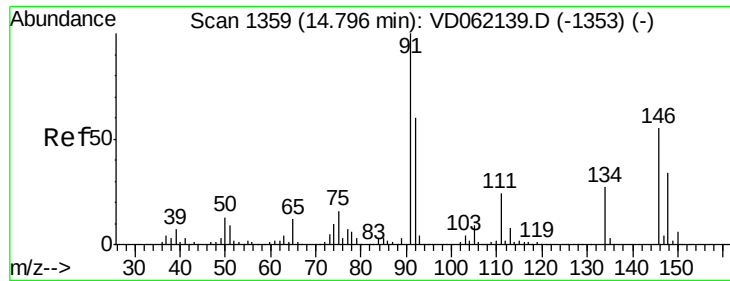
Tot Ion: 91 Resp: 1387740
Ion Ratio Lower Upper
91 100
92 59.8 30.3 91.0
134 23.3 14.5 43.6



#90
Hexachloroethane
Concen: 50.615 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062252.D
Acq: 12 May 2019 11:51

Tgt Ion: 117 Resp: 402527
Ion Ratio Lower Upper
117 100
201 58.2 30.2 90.6

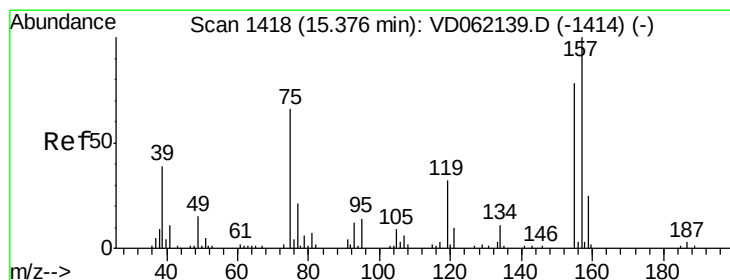
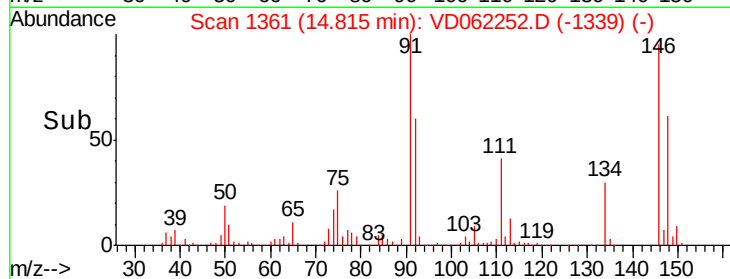
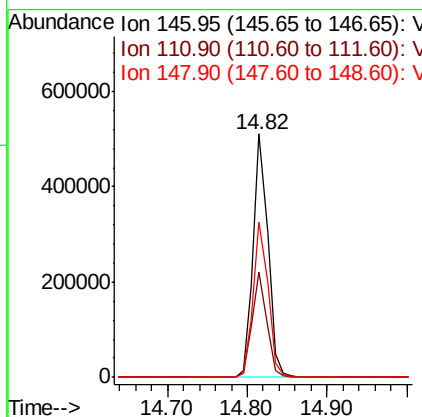
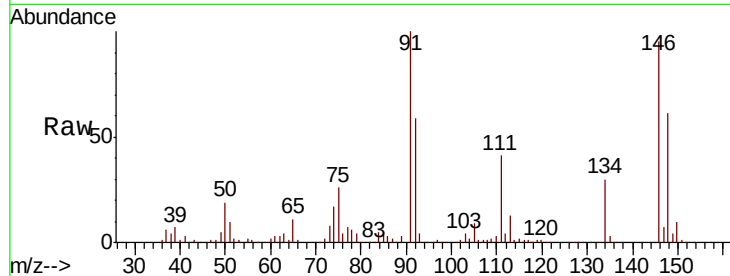




#91
 1,2-Dichlorobenzene
 Concen: 48.240 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

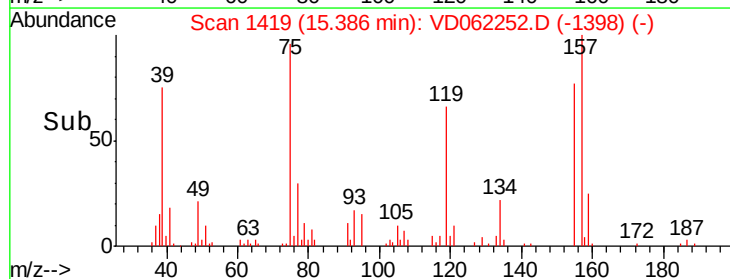
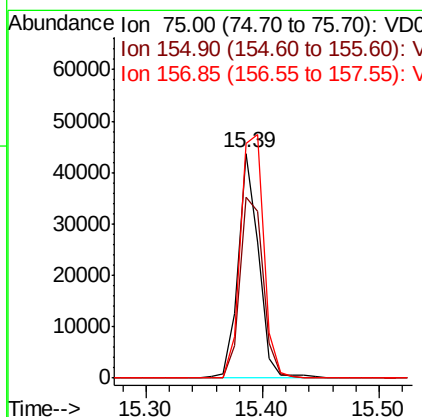
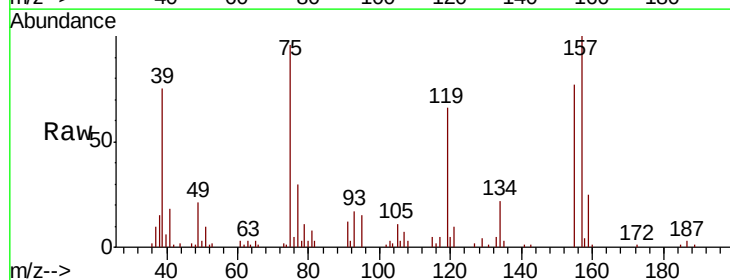
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

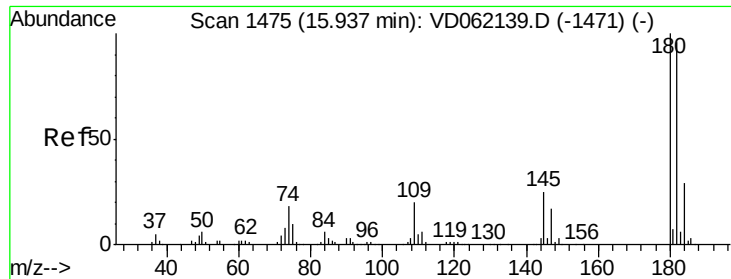
Tot Ion:146 Resp: 640795
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.0 59.9
 148 63.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.042 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion: 75 Resp: 52970
 Ion Ratio Lower Upper
 75 100
 155 80.4 55.3 165.8
 157 104.4 67.8 203.2

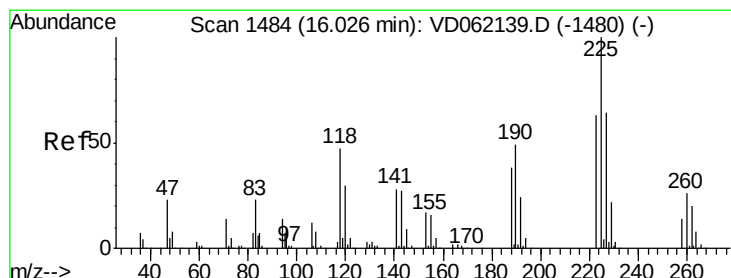
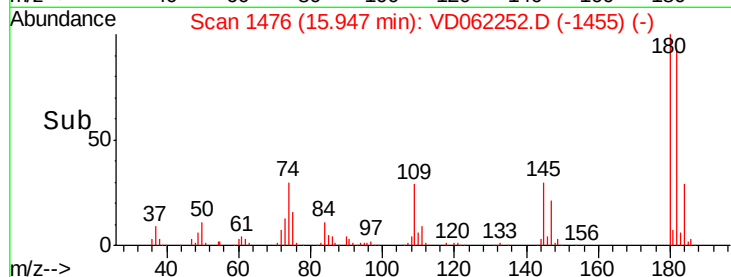
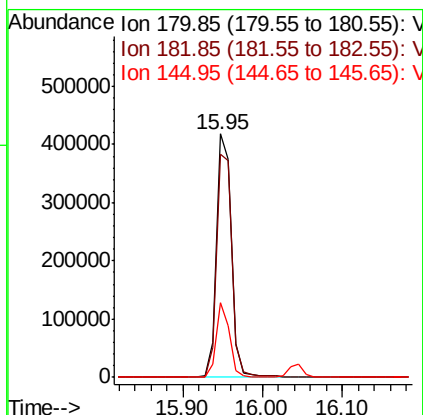
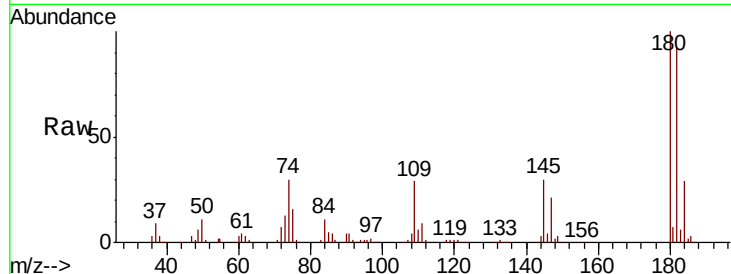




#93
 1,2,4-Trichlorobenzene
 Concen: 57.498 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

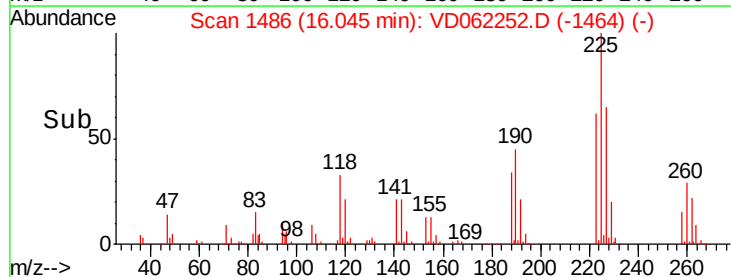
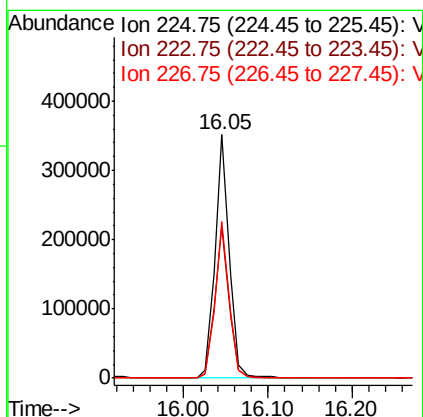
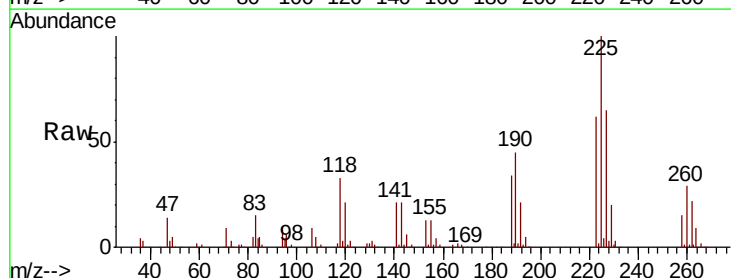
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

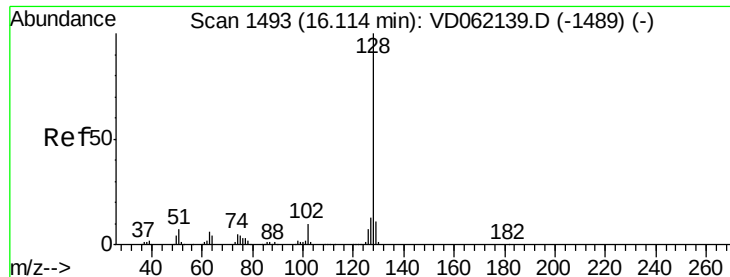
Tot Ion:180 Resp: 555928
 Ion Ratio Lower Upper
 180 100
 182 91.6 49.3 147.8
 145 30.5 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 57.221 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062252.D
 Acq: 12 May 2019 11:51

Tgt Ion:225 Resp: 411489
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.6 92.0
 227 64.5 32.0 96.2





#95

Naphthalene

Concen: 54.272 ug/l

RT: 16.13 min Scan# 1495

Delta R.T. 0.02 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

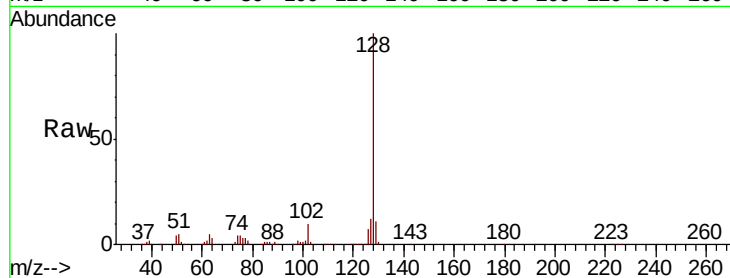
Tot Ion:128 Resp: 732589

Ion Ratio Lower Upper

128 100

127 12.3 9.8 14.8

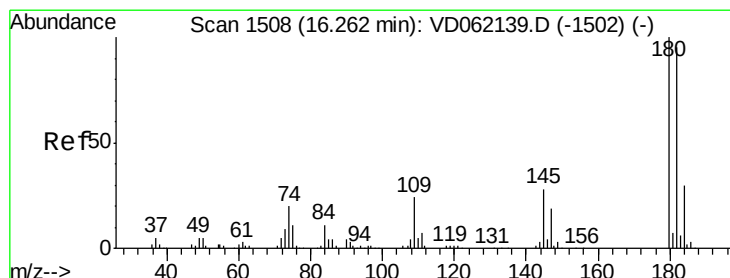
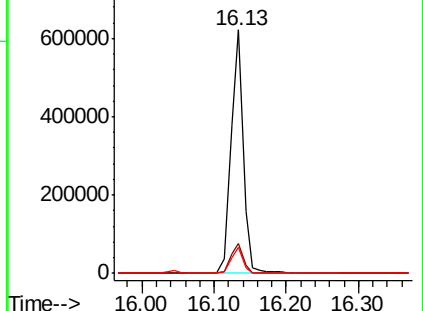
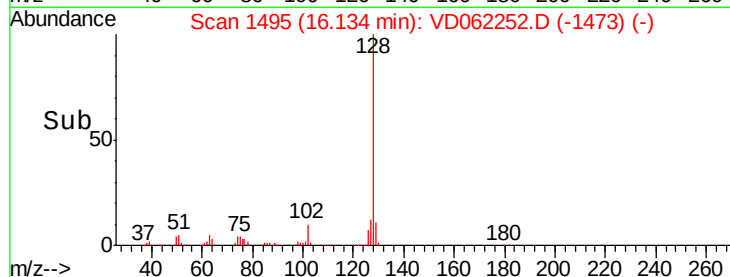
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 61.010 ug/l

RT: 16.28 min Scan# 1510

Delta R.T. 0.02 min

Lab File: VD062252.D

Acq: 12 May 2019 11:51

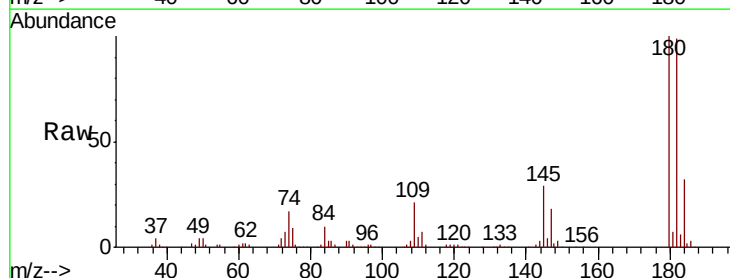
Tgt Ion:180 Resp: 370884

Ion Ratio Lower Upper

180 100

182 98.8 47.0 141.0

145 28.7 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

