

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062137.D
 Acq On : 7 May 2019 12:06
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: May 07 13:45:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	953392	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1291870	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	1046626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	539261	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	88112	9.71	ug/l	0.01
Spiked Amount			Recovery	=	19.42%	
35) Dibromofluoromethane	6.91	113	101550	8.69	ug/l	0.02
Spiked Amount			Recovery	=	17.38%	
50) Toluene-d8	10.40	98	267102	9.31	ug/l	0.00
Spiked Amount			Recovery	=	18.62%	
62) 4-Bromofluorobenzene	13.55	95	103179	8.92	ug/l	0.00
Spiked Amount			Recovery	=	17.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	92181	9.993	ug/l	100
3) Chloromethane	1.75	50	64070	10.170	ug/l	92
4) Vinyl Chloride	1.85	62	62952	9.317	ug/l	97
5) Bromomethane	2.14	94	14546	8.988	ug/l	87
6) Chloroethane	2.26	64	28474	9.602	ug/l	96
7) Trichlorofluoromethane	2.52	101	123149	9.619	ug/l	96
8) Diethyl Ether	2.86	74	24255	9.837	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.14	101	98777	9.953	ug/l	96
10) Methyl Iodide	3.30	142	136612	9.338	ug/l	93
11) Tert butyl alcohol	4.04	59	20954	47.785	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	71472	9.039	ug/l	94
13) Acrolein	3.03	56	25413	56.628	ug/l	89
14) Allyl chloride	3.61	41	109500	9.918	ug/l	87
15) Acrylonitrile	4.19	53	58061	49.660	ug/l	93
16) Acetone	3.20	43	98440	51.634	ug/l	93
17) Carbon Disulfide	3.37	76	189967	8.770	ug/l #	95
18) Methyl Acetate	3.63	43	31564	9.767	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	155642	9.882	ug/l #	91
20) Methylene Chloride	3.80	84	75885	10.066	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	72901	8.480	ug/l	94
22) Diisopropyl ether	5.10	45	223413	9.906	ug/l	98
23) Vinyl Acetate	5.03	43	587783	47.645	ug/l	99
24) 1,1-Dichloroethane	4.96	63	127480	9.624	ug/l	98
25) 2-Butanone	6.05	43	96866	49.712	ug/l	95
26) 2,2-Dichloropropane	6.01	77	135316	10.313	ug/l	95
27) cis-1,2-Dichloroethene	6.02	96	87027	9.817	ug/l	98
28) Bromochloromethane	6.42	49	56687	10.755	ug/l	88
29) Tetrahydrofuran	6.44	42	47388	54.469	ug/l	94
30) Chloroform	6.65	83	160492	9.806	ug/l	98
31) Cyclohexane	6.94	56	86039	8.991	ug/l	91
32) 1,1,1-Trichloroethane	6.85	97	144881	9.146	ug/l	97
36) 1,1-Dichloropropene	7.13	75	106652	9.903	ug/l	95
37) Ethyl Acetate	6.17	43	45208	9.683	ug/l #	91
38) Carbon Tetrachloride	7.09	117	147011	9.628	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
 Data File : VD062137.D
 Acq On : 7 May 2019 12:06
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: May 07 13:45:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 13:42:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	101491	9.375	ug/l	98
40) Benzene	7.44	78	242184	9.916	ug/l	99
41) Methacrylonitrile	6.42	41	57772	10.532	ug/l	94
42) 1,2-Dichloroethane	7.56	62	99328	9.535	ug/l	99
43) Isopropyl Acetate	9.23	43	62983	9.695	ug/l	97
44) Trichloroethene	8.53	130	89861	9.359	ug/l	90
45) 1,2-Dichloropropane	8.92	63	56564	9.356	ug/l	92
46) Dibromomethane	9.05	93	47883	9.651	ug/l #	87
47) Bromodichloromethane	9.36	83	112490	9.287	ug/l #	95
48) Methyl methacrylate	9.11	41	40456	10.336	ug/l	87
49) 1,4-Dioxane	9.07	88	8288	194.535	ug/l	92
51) 4-Methyl-2-Pentanone	10.28	43	202885	50.119	ug/l	96
52) Toluene	10.50	92	158018	9.831	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	100933	9.508	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	104596	8.781	ug/l	91
55) 1,1,2-Trichloroethane	11.17	97	54526	9.245	ug/l	96
56) Ethyl methacrylate	11.03	69	54257	8.830	ug/l #	85
57) 1,3-Dichloropropane	11.40	76	81856	8.966	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	155640	47.441	ug/l	94
59) 2-Hexanone	11.52	43	155461	51.100	ug/l	97
60) Dibromochloromethane	11.68	129	93408	9.382	ug/l	98
61) 1,2-Dibromoethane	11.79	107	66199	9.766	ug/l	98
64) Tetrachloroethene	11.24	164	82137	9.646	ug/l	96
65) Chlorobenzene	12.39	112	212381	11.055	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	85408	9.397	ug/l	94
67) Ethyl Benzene	12.51	91	331953	9.609	ug/l	99
68) m/p-Xylenes	12.66	106	247991	19.083	ug/l	93
69) o-Xylene	13.03	106	116380	9.977	ug/l	89
70) Styrene	13.06	104	181714	9.529	ug/l	97
71) Bromoform	13.22	173	58383	9.260	ug/l	99
73) Isopropylbenzene	13.40	105	328583	10.214	ug/l	100
74) N-amyl acetate	13.25	43	82302	9.903	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	13.69	83	60161	10.433	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	66023	11.092	ug/l	99
77) Bromobenzene	13.66	156	91657	10.943	ug/l	94
78) n-propylbenzene	13.76	91	418542	11.492	ug/l	93
79) 2-Chlorotoluene	13.83	91	226950	10.553	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	288015	10.914	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	16938	9.130	ug/l	90
82) 4-Chlorotoluene	13.94	91	286322	11.277	ug/l	90
83) tert-Butylbenzene	14.19	119	313647	10.249	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	295395	11.112	ug/l	92
85) sec-Butylbenzene	14.36	105	356779	10.892	ug/l	100
86) p-Isopropyltoluene	14.48	119	315225	10.089	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	178213	11.056	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	172298	11.273	ug/l	95
89) n-Butylbenzene	14.79	91	298928	11.816	ug/l	92
90) Hexachloroethane	15.00	117	82382	10.117	ug/l	72
91) 1,2-Dichlorobenzene	14.80	146	154654	12.303	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10160	10.437	ug/l	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050719\
Data File : VD062137.D
Acq On : 7 May 2019 12:06
Operator : FY/SY
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Quant Time: May 07 13:45:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 13:42:20 2019
Response via : Initial Calibration

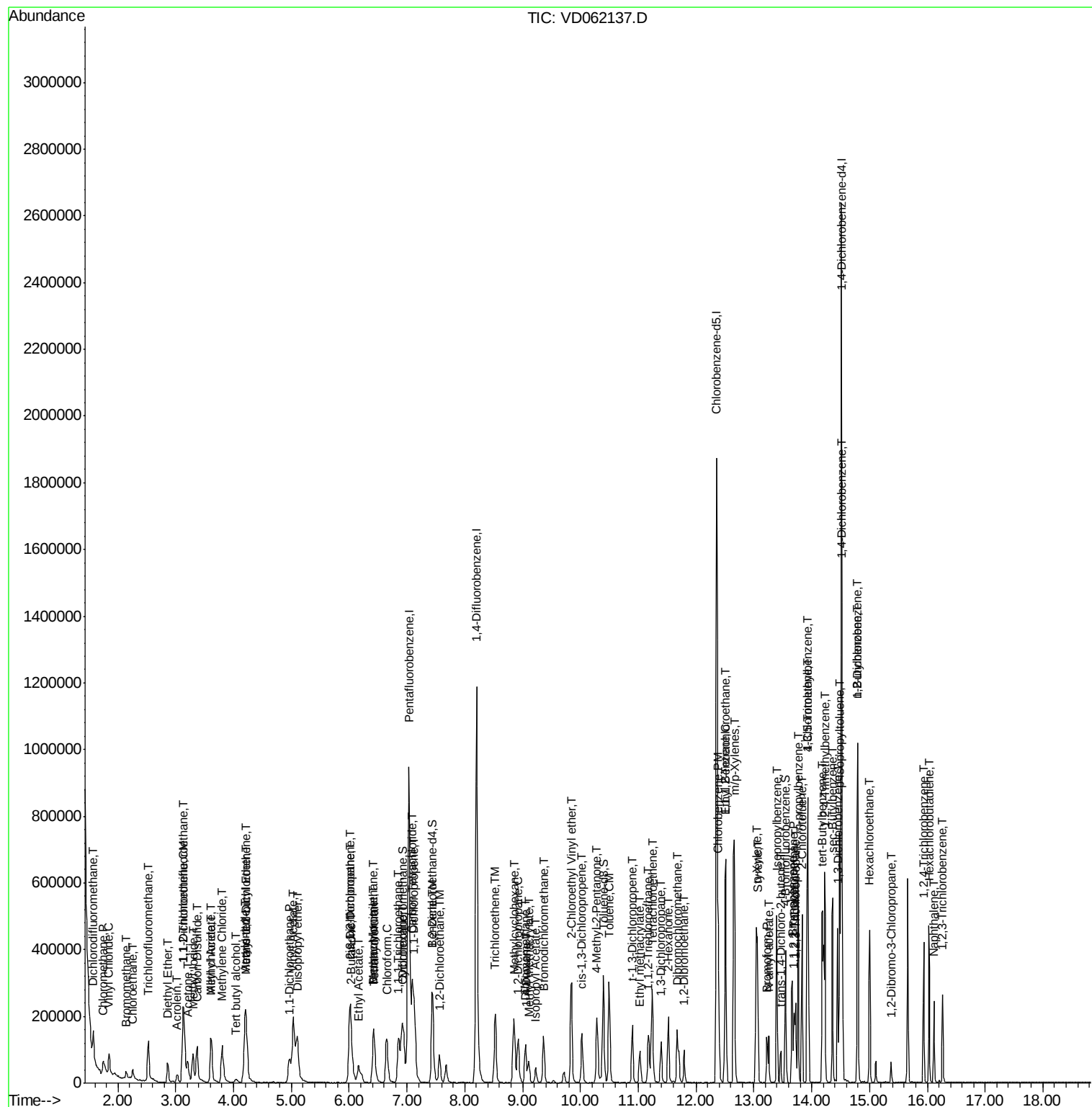
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	105341	11.496	ug/l	94
94) Hexachlorobutadiene	16.03	225	80634	11.356	ug/l	95
95) Naphthalene	16.11	128	139311	10.157	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	61633	10.192	ug/l	96

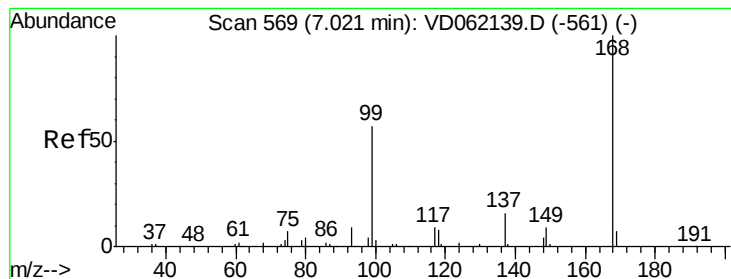
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050719\
Data File : VD062137.D
Acq On : 7 May 2019 12:06
Operator : FY/SY
Sample : VSTDIC010
Misc : 5.00µ/5mL/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

Quant Time: May 07 13:45:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 13:42:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

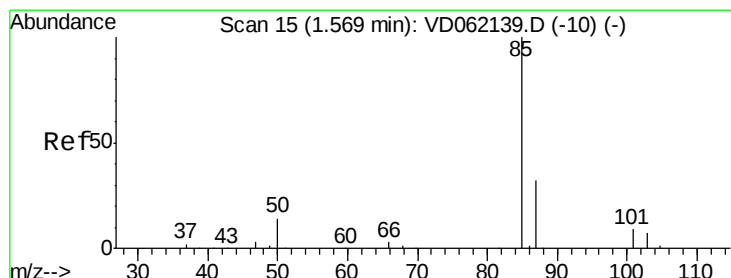
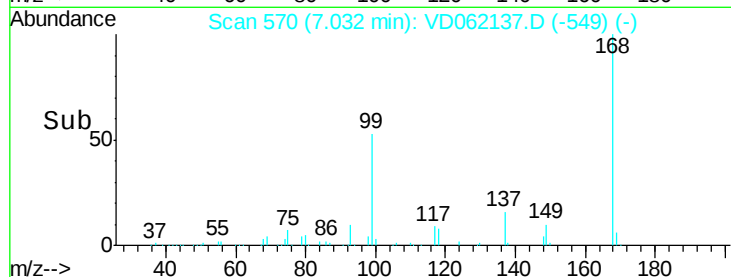
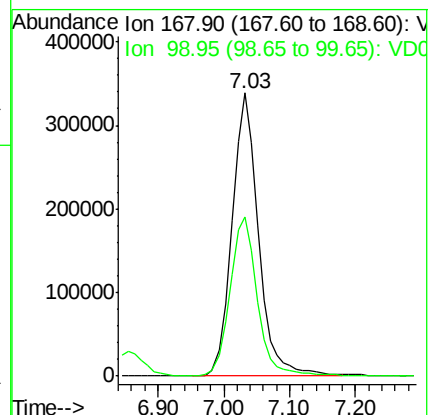
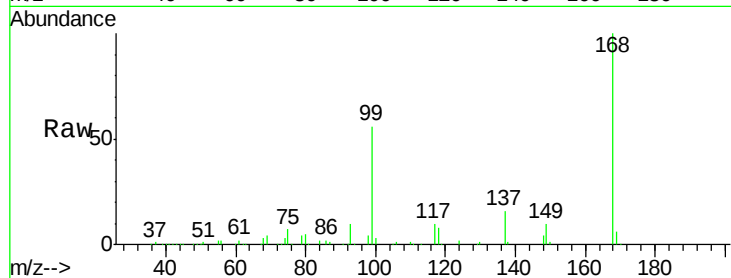
VSTDIC010

Tot Ion:168 Resp: 953392

Ion Ratio Lower Upper

168 100

99 56.2 46.5 69.7



#2

Dichlorodifluoromethane

Concen: 9.993 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062137.D

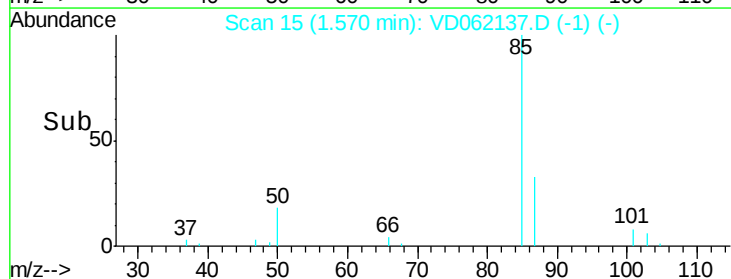
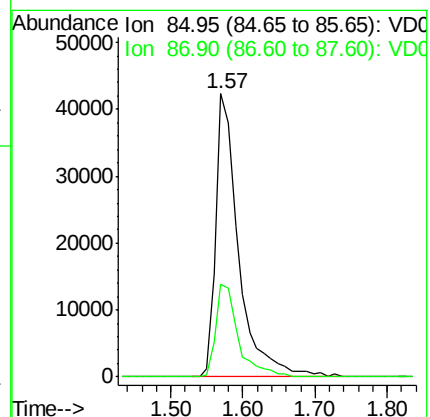
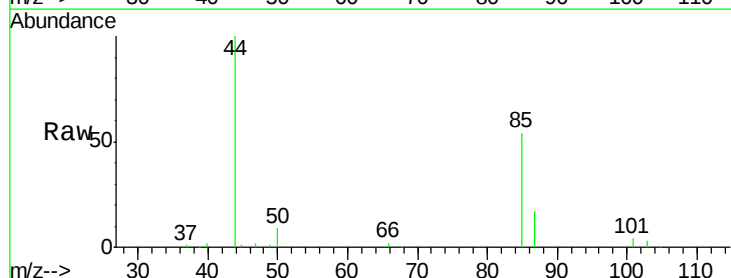
Acq: 7 May 2019 12:06

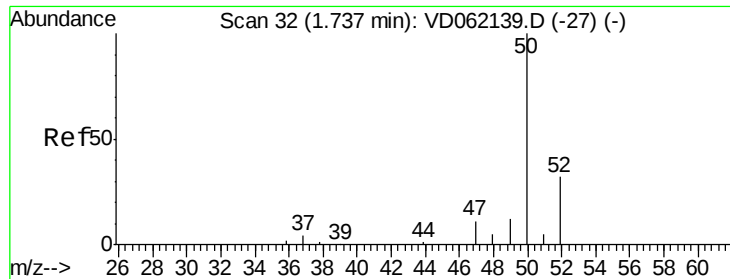
Tgt Ion: 85 Resp: 92181

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.6





#3

Chloromethane

Concen: 10.170 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

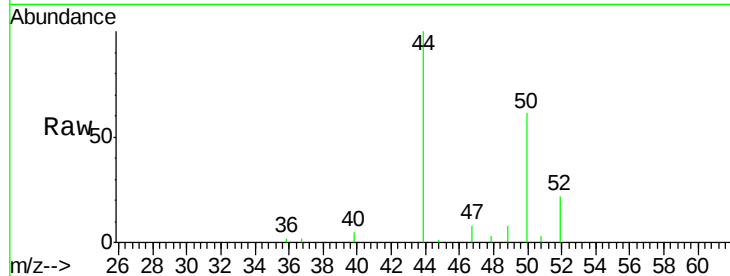
VSTDIC010

Tot Ion: 50 Resp: 64070

Ion Ratio Lower Upper

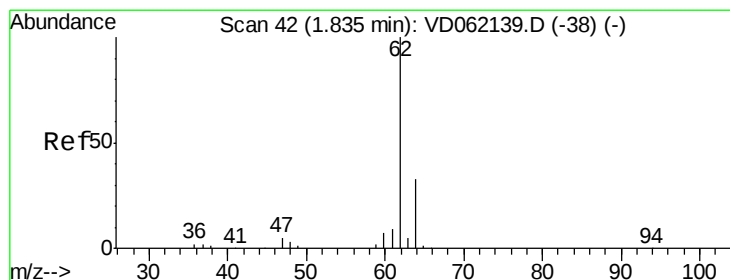
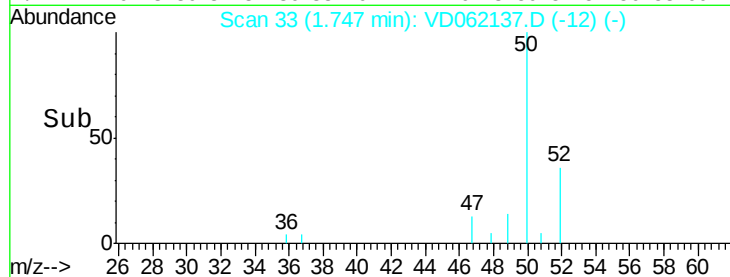
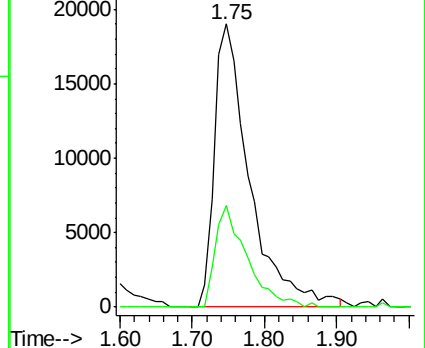
50 100

52 35.7 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: 9.317 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062137.D

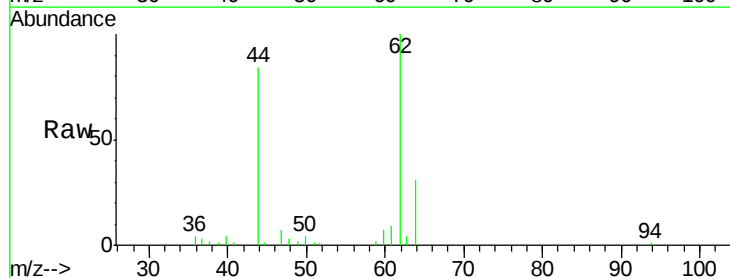
Acq: 7 May 2019 12:06

Tgt Ion: 62 Resp: 62952

Ion Ratio Lower Upper

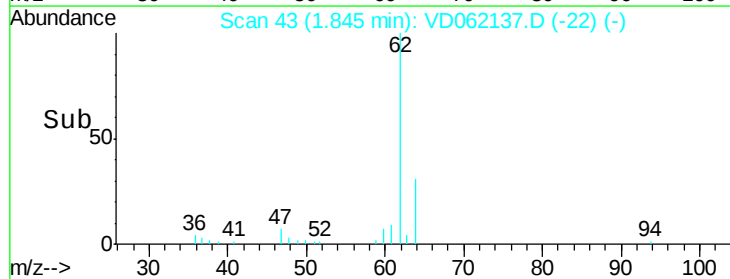
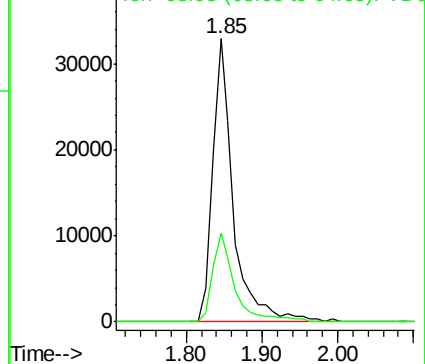
62 100

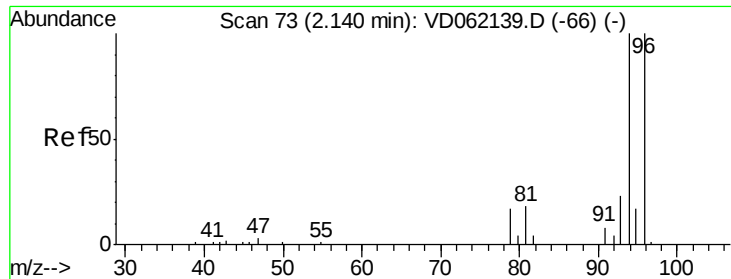
64 31.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.988 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

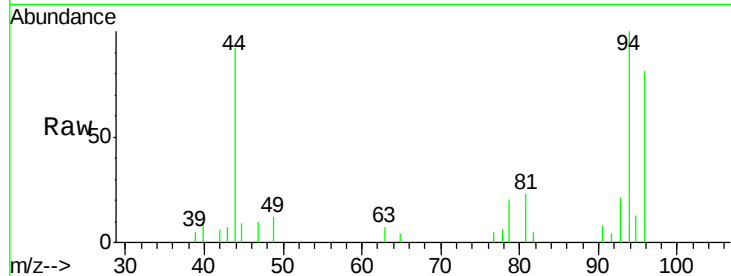
Tot Ion: 94 Resp: 14546

Ion Ratio Lower Upper

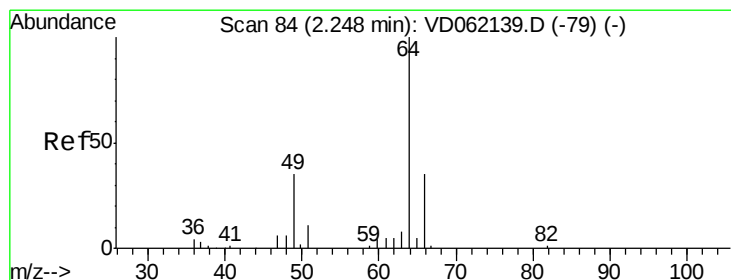
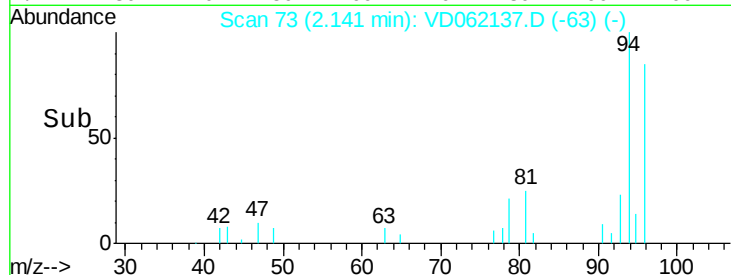
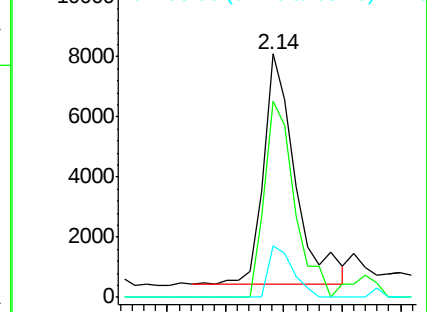
94 100

96 80.8 76.6 115.0

93 21.4 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: 9.602 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062137.D

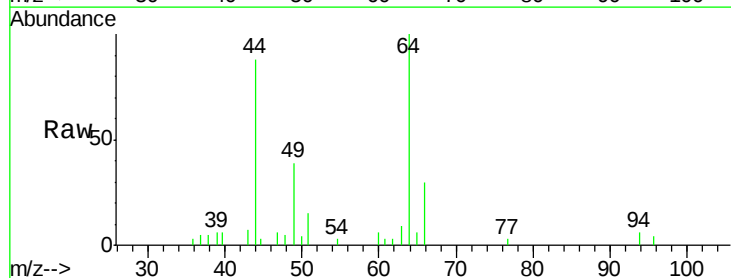
Acq: 7 May 2019 12:06

Tgt Ion: 64 Resp: 28474

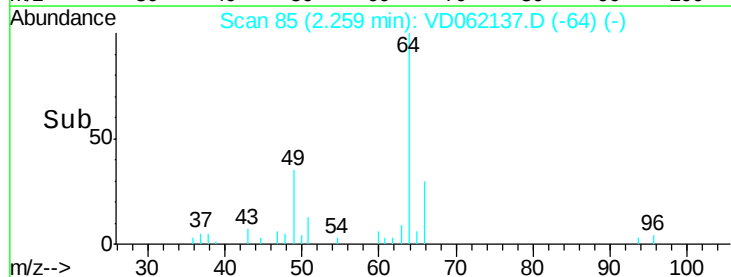
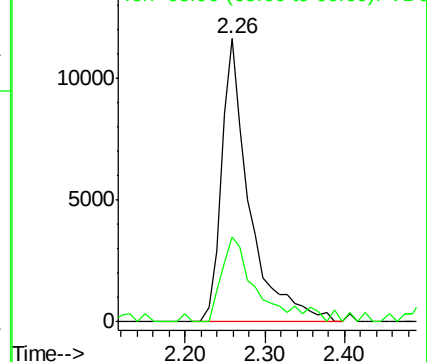
Ion Ratio Lower Upper

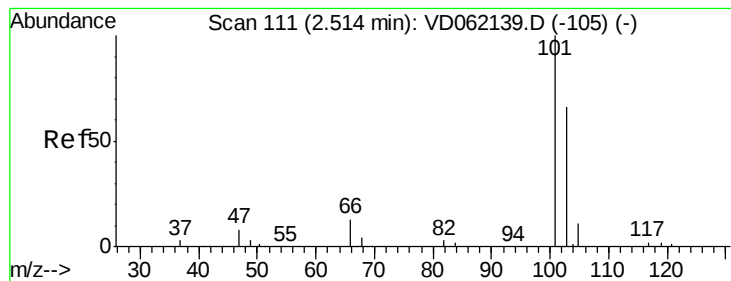
64 100

66 29.9 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: 9.619 ug/l

RT: 2.52 min Scan# 112

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

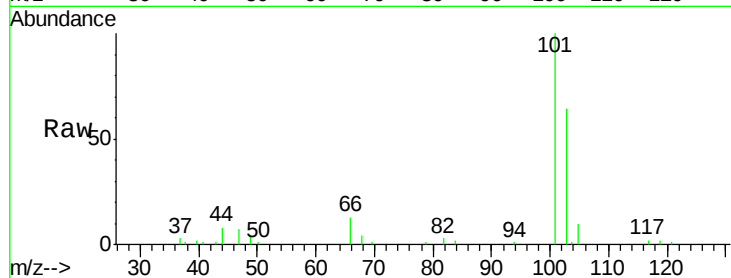
VSTDIC010

Tot Ion:101 Resp: 123149

Ion Ratio Lower Upper

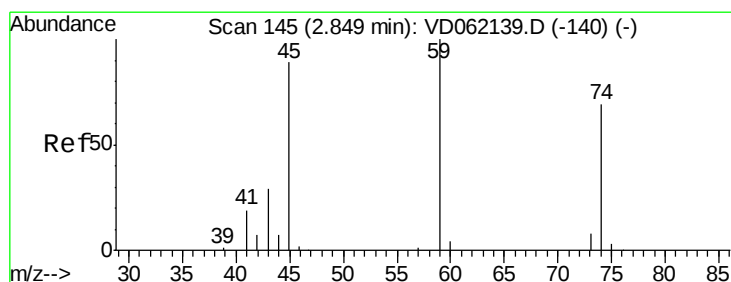
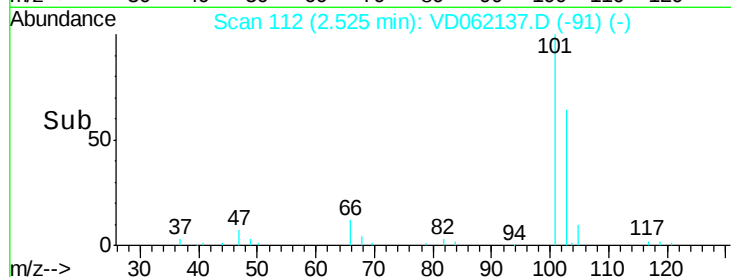
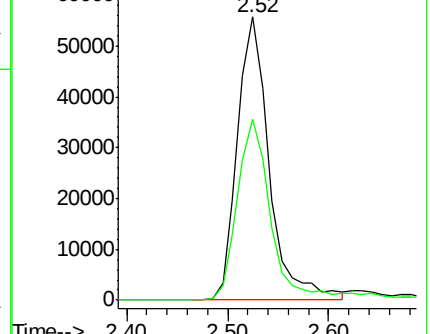
101 100

103 63.8 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: 9.837 ug/l

RT: 2.86 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD062137.D

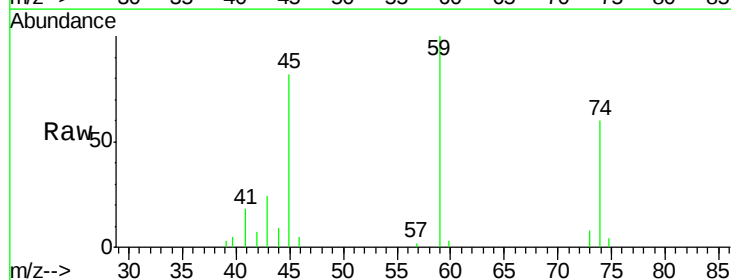
Acq: 7 May 2019 12:06

Tgt Ion: 74 Resp: 24255

Ion Ratio Lower Upper

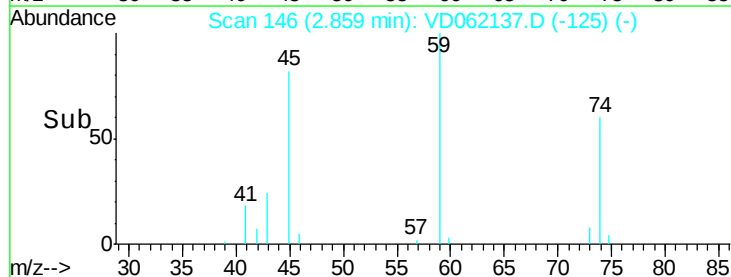
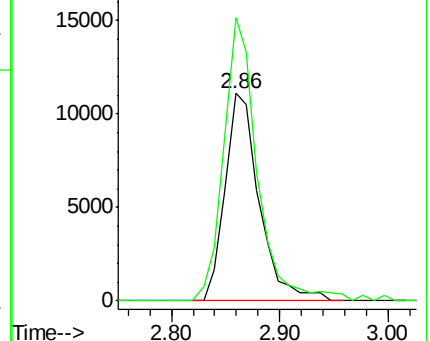
74 100

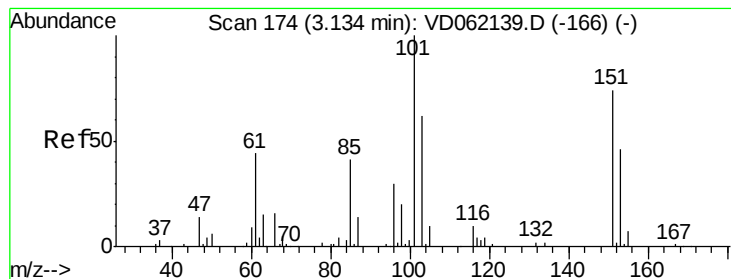
45 136.4 56.9 170.7



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: 9.953 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

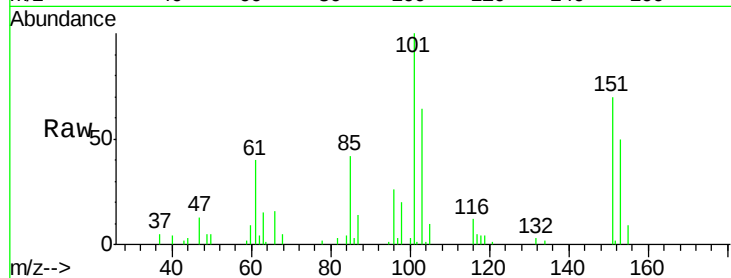
Tot Ion:101 Resp: 98777

Ion Ratio Lower Upper

101 100

85 42.0 32.4 48.6

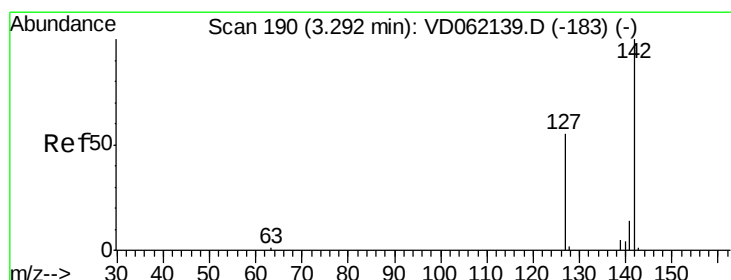
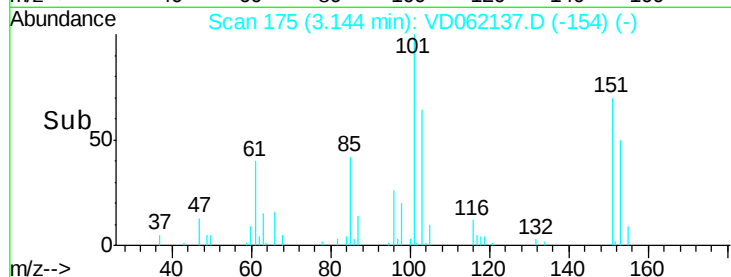
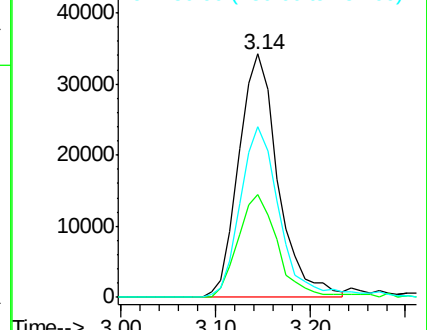
151 70.0 59.4 89.0



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: 9.338 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

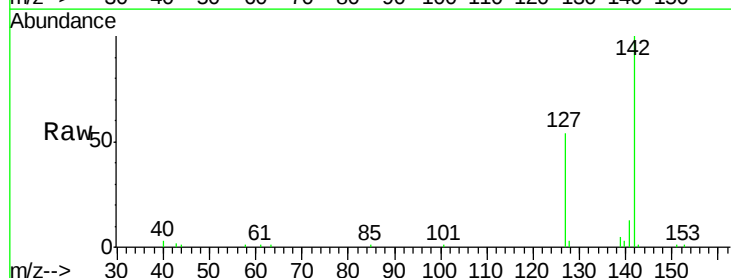
Tgt Ion:142 Resp: 136612

Ion Ratio Lower Upper

142 100

127 53.8 38.8 58.2

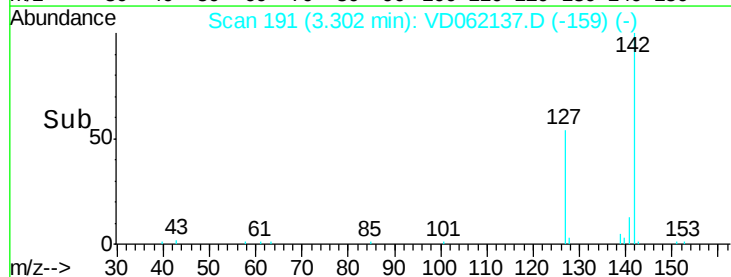
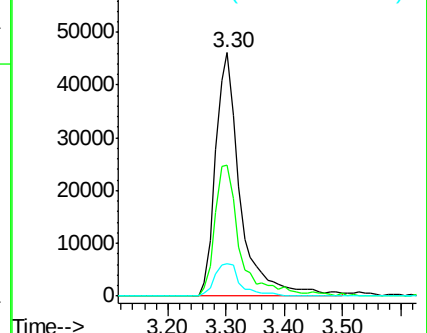
141 13.1 11.4 17.0



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

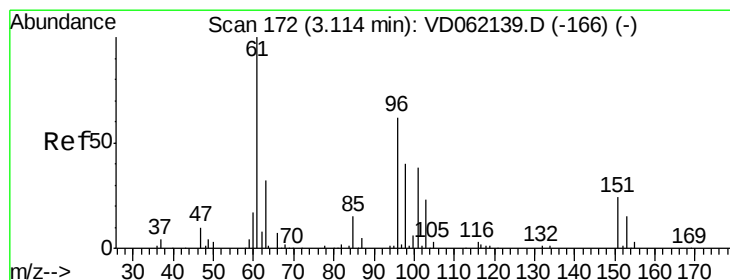
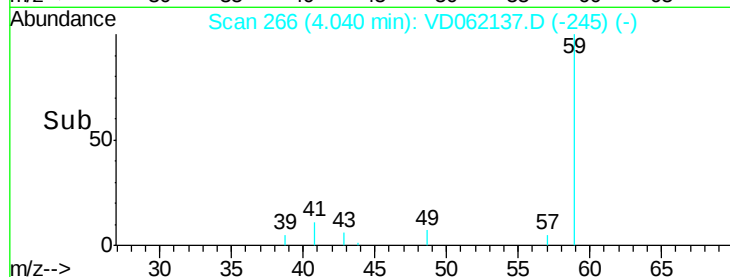
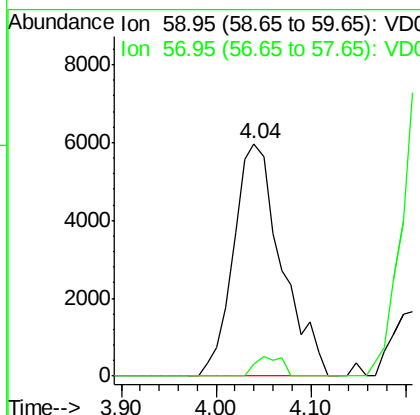
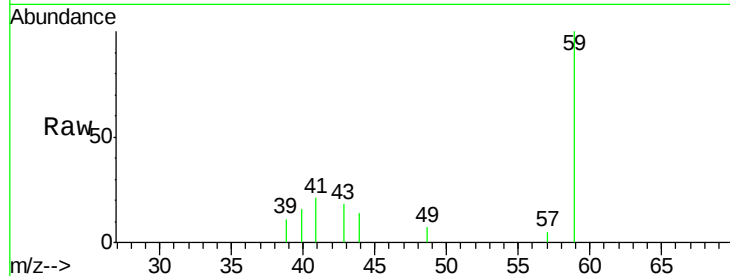




#11
Tert butyl alcohol
Concen: 47.785 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

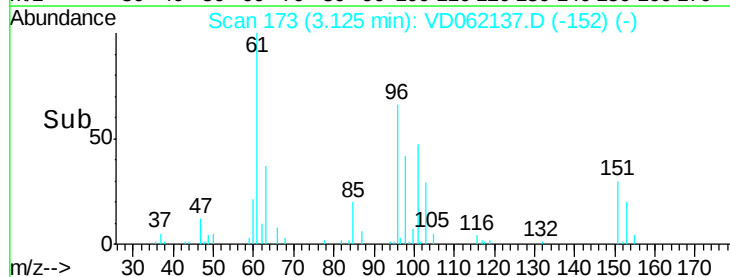
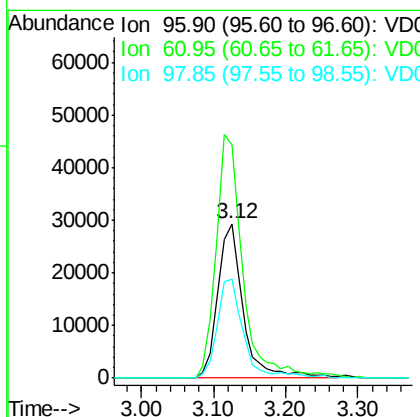
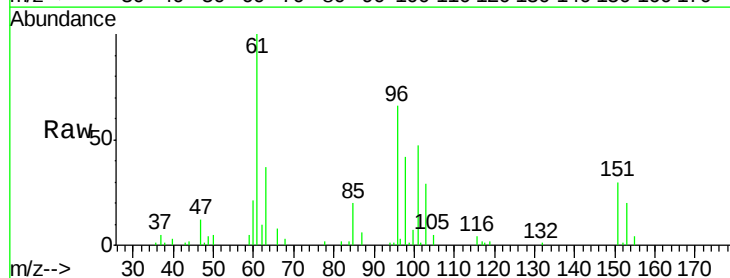
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

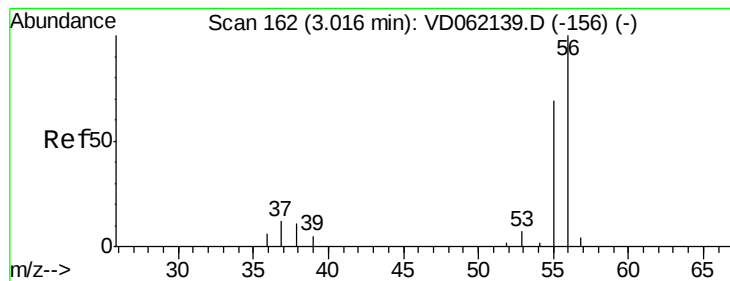
Tot Ion: 59 Resp: 20954
Ion Ratio Lower Upper
59 100
57 5.2 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 9.039 ug/l
RT: 3.12 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion: 96 Resp: 71472
Ion Ratio Lower Upper
96 100
61 151.1 129.8 194.8
98 64.0 51.2 76.8





#13

Acrolein

Concen: 56.628 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

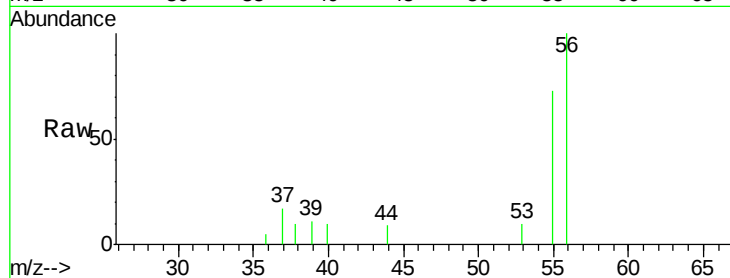
VSTDIC010

Tot Ion: 56 Resp: 25413

Ion Ratio Lower Upper

56 100

55 72.9 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

12000

10000

8000

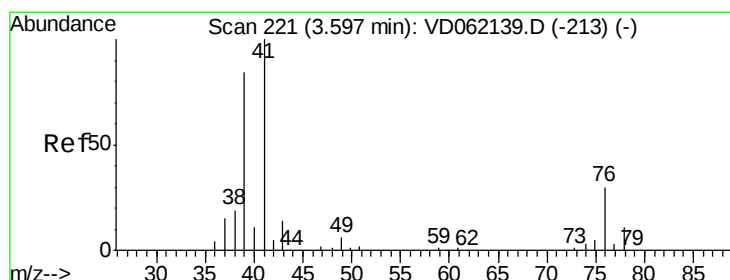
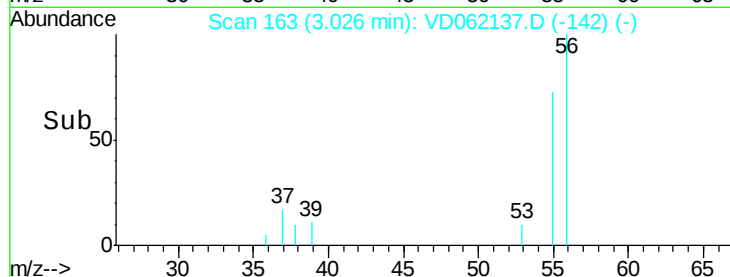
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 9.918 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

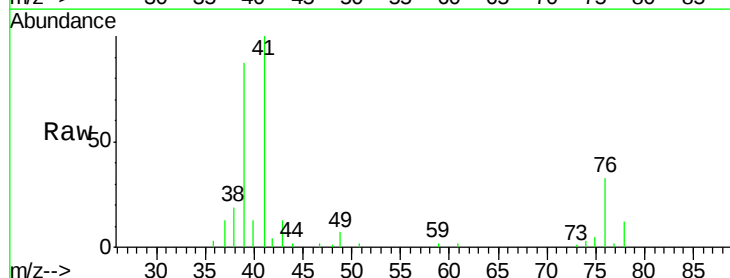
Tgt Ion: 41 Resp: 109500

Ion Ratio Lower Upper

41 100

39 87.2 60.5 90.7

76 32.9 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

3.61

50000

40000

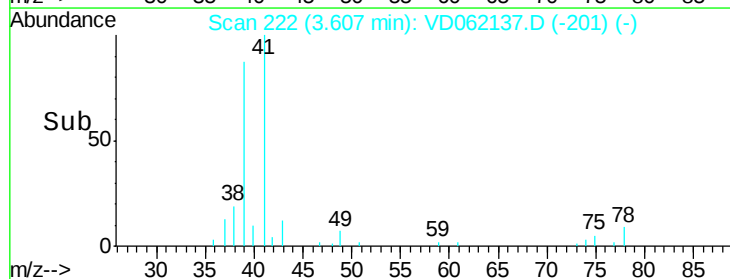
30000

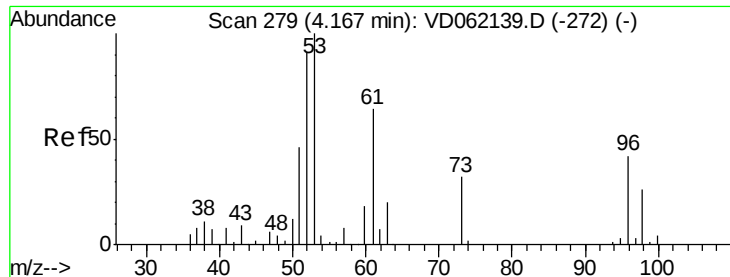
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 49.660 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

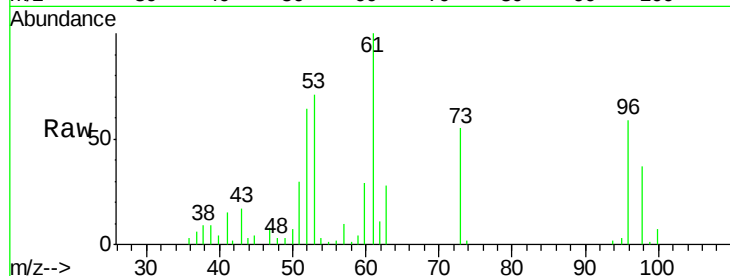
Tot Ion: 53 Resp: 58061

Ion Ratio Lower Upper

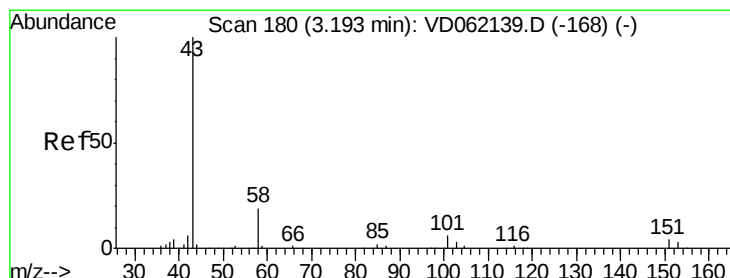
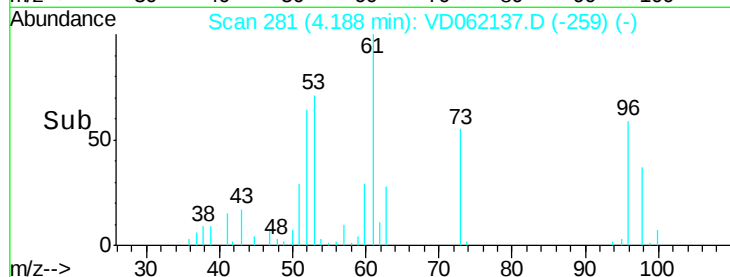
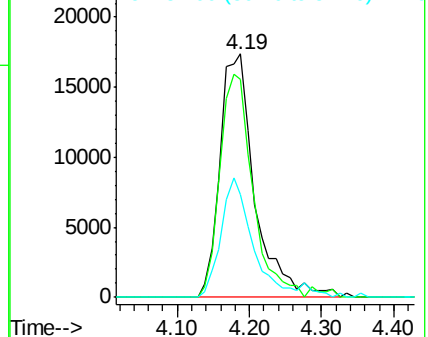
53 100

52 89.7 65.0 97.4

51 42.1 32.6 48.8



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



#16

Acetone

Concen: 51.634 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD062137.D

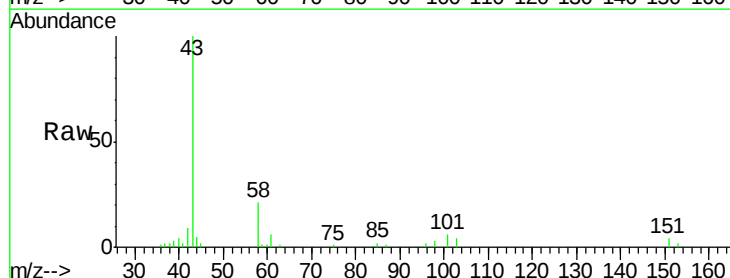
Acq: 7 May 2019 12:06

Tgt Ion: 43 Resp: 98440

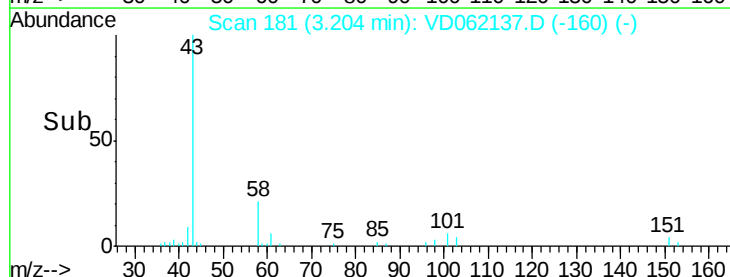
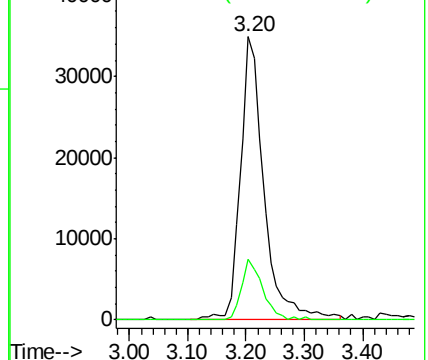
Ion Ratio Lower Upper

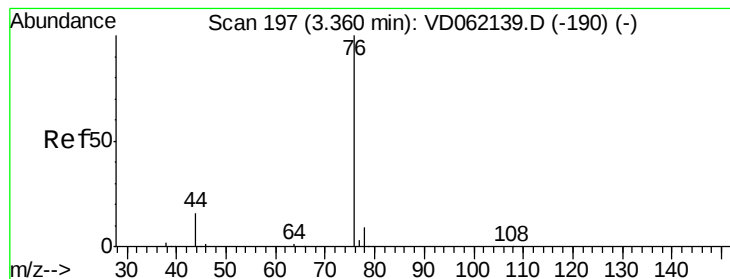
43 100

58 21.3 19.9 29.9



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





#17

Carbon Disulfide

Concen: 8.770 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

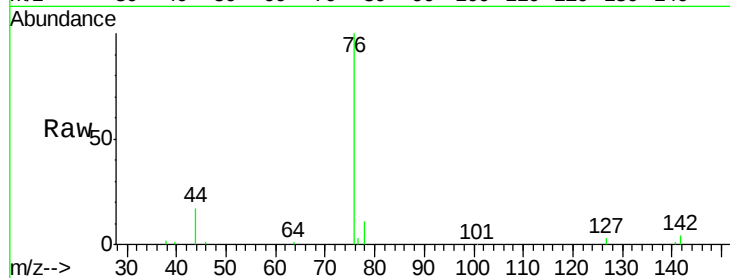
VSTDIC010

Tot Ion: 76 Resp: 189967

Ion Ratio Lower Upper

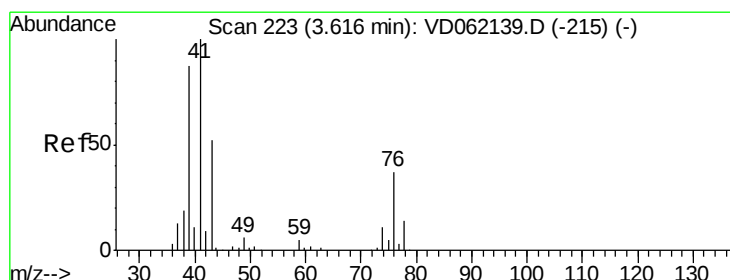
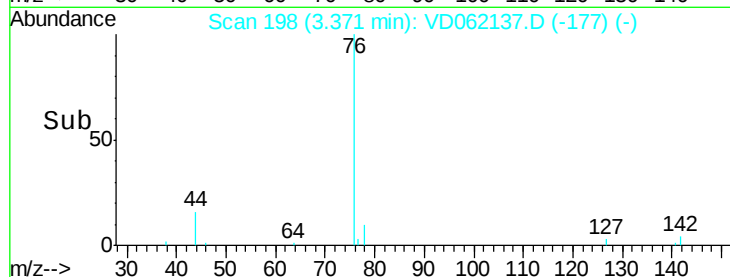
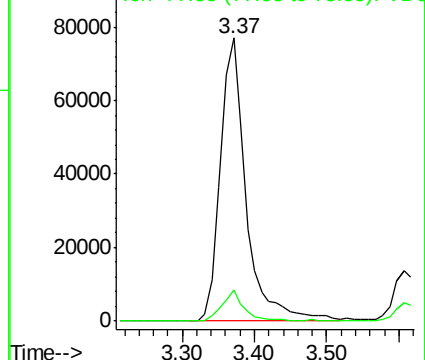
76 100

78 10.8 7.2 10.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 9.767 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062137.D

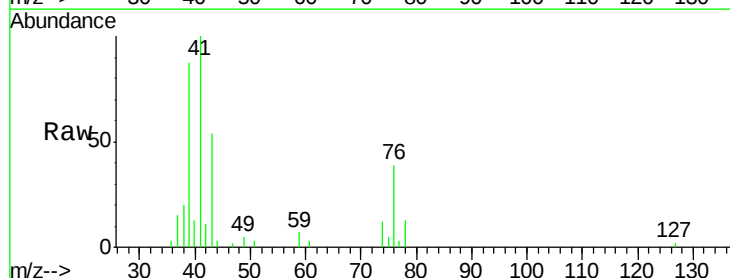
Acq: 7 May 2019 12:06

Tgt Ion: 43 Resp: 31564

Ion Ratio Lower Upper

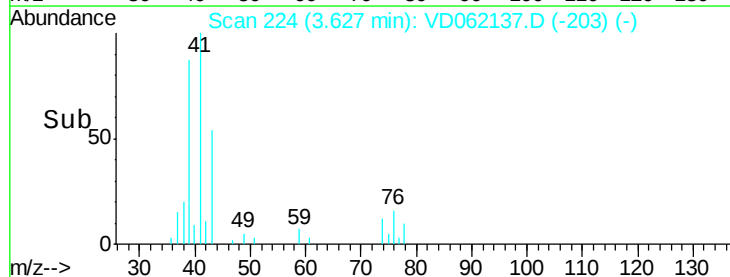
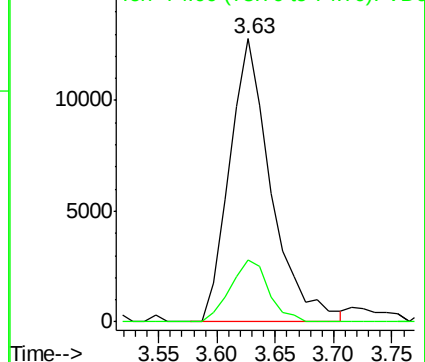
43 100

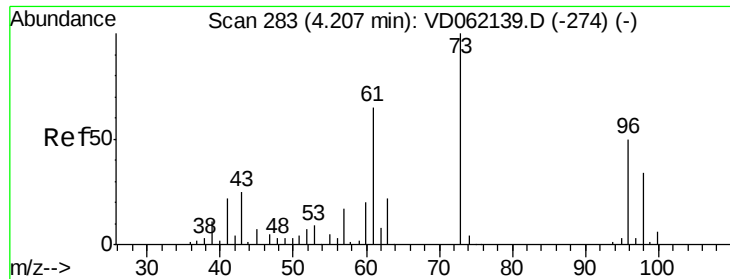
74 21.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

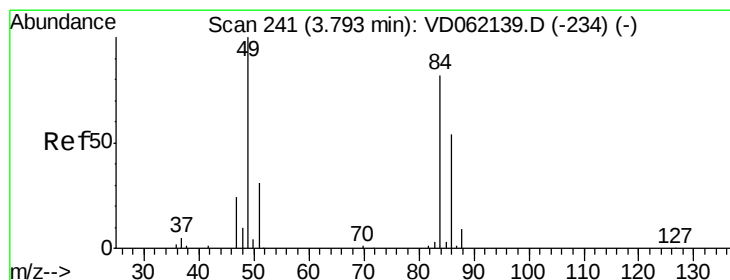
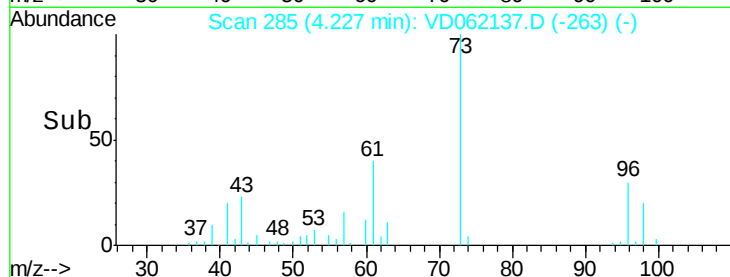
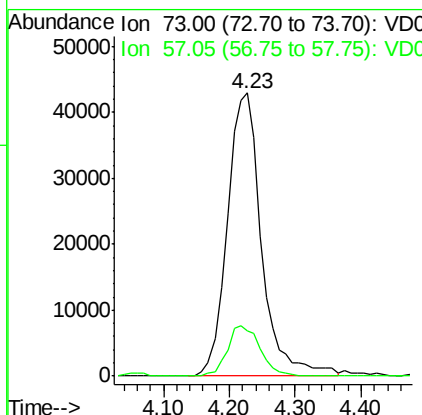
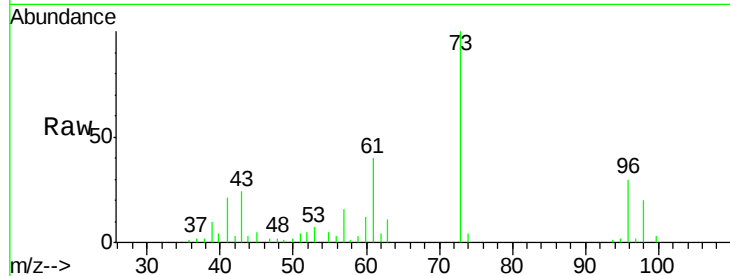




#19
Methyl tert-butyl Ether
Concen: 9.882 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.02 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

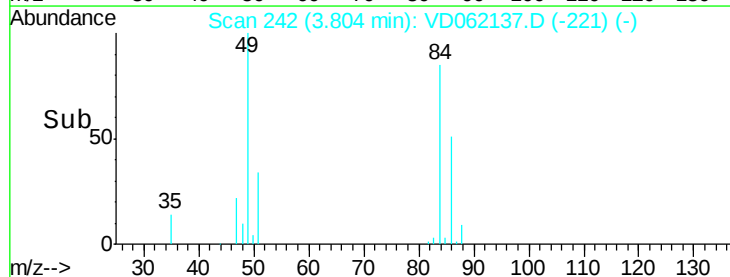
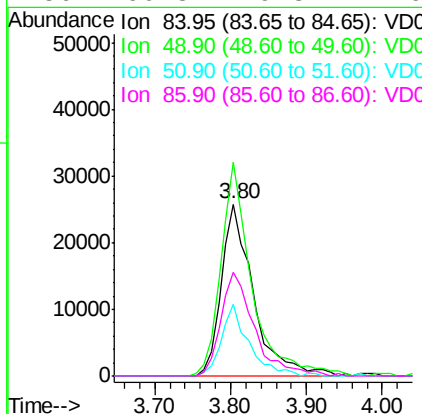
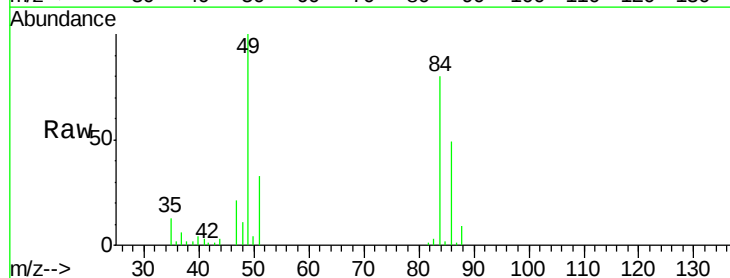
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

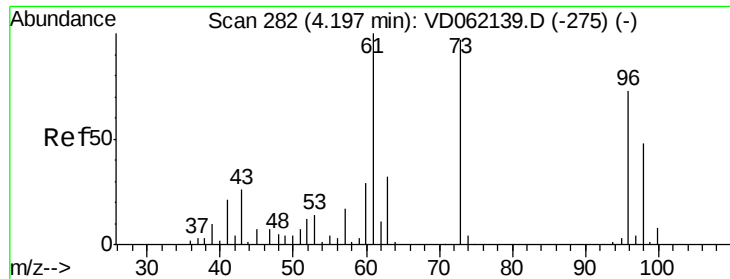
Tot Ion: 73 Resp: 155642
Ion Ratio Lower Upper
73 100
57 16.1 16.3 24.5#



#20
Methylene Chloride
Concen: 10.066 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion: 84 Resp: 75885
Ion Ratio Lower Upper
84 100
49 124.2 94.0 141.0
51 41.6 29.0 43.4
86 60.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 8.480 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

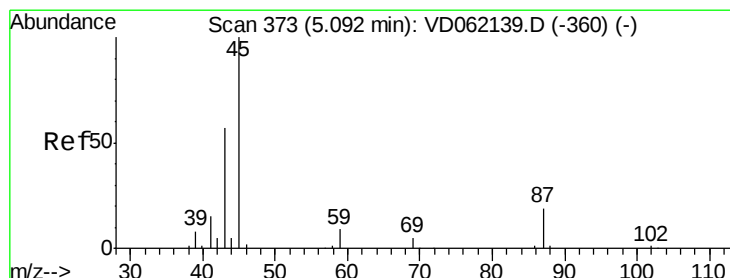
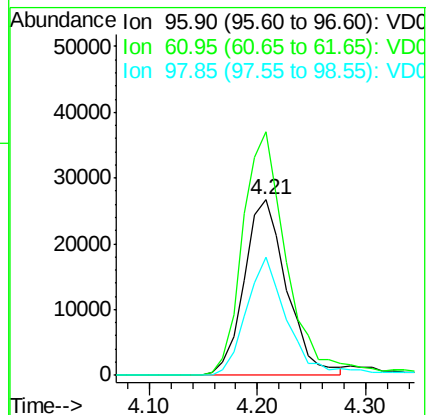
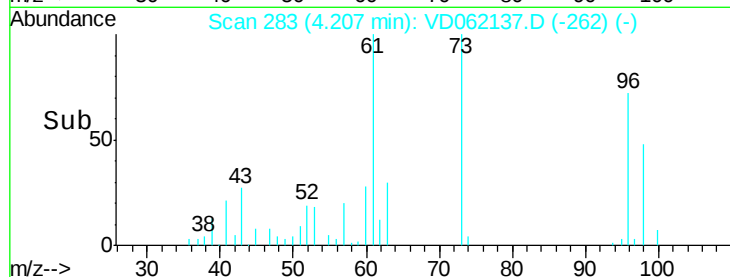
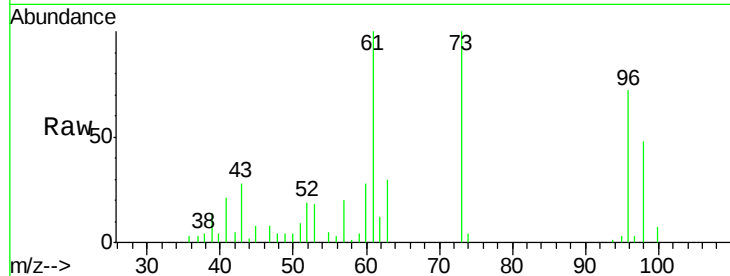
Tot Ion: 96 Resp: 72901

Ion Ratio Lower Upper

96 100

61 138.6 104.4 156.6

98 67.2 51.8 77.8



#22

Diisopropyl ether

Concen: 9.906 ug/l

RT: 5.10 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Tgt Ion: 45 Resp: 223413

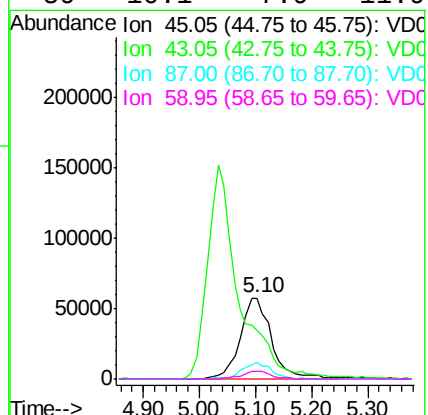
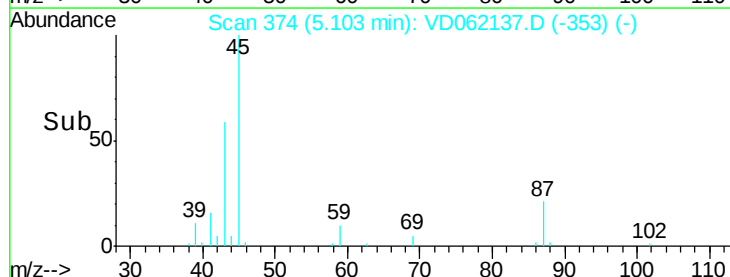
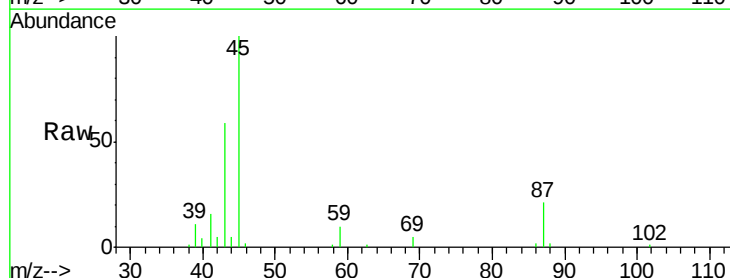
Ion Ratio Lower Upper

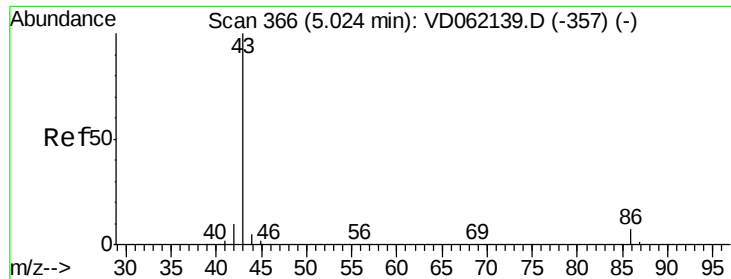
45 100

43 59.4 46.2 69.2

87 21.2 15.9 23.9

59 10.1 7.9 11.9

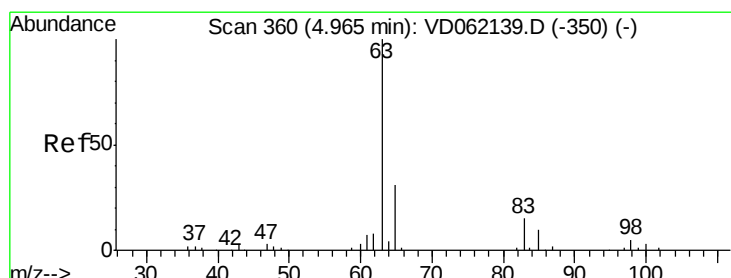
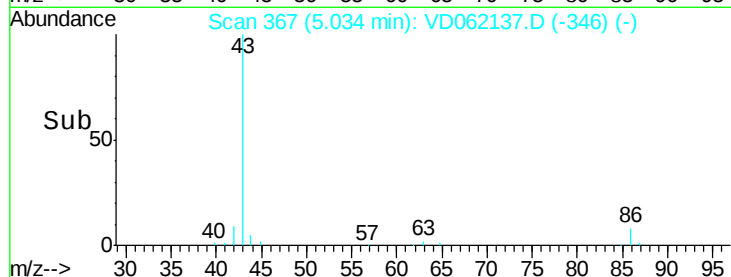
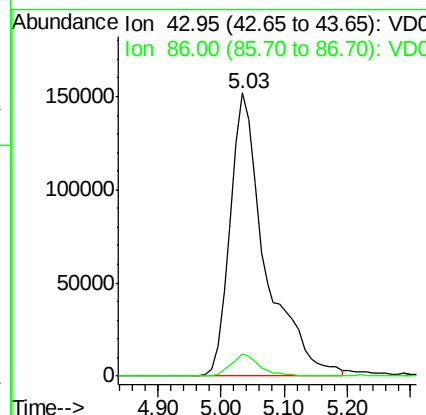
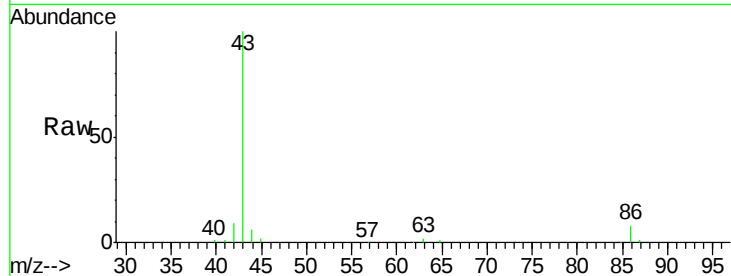




#23
 Vinyl Acetate
 Concen: 47.645 ug/l
 RT: 5.03 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

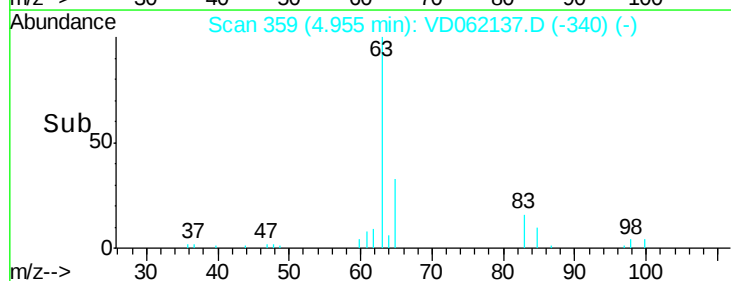
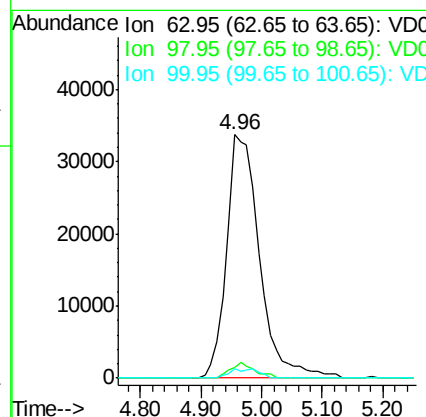
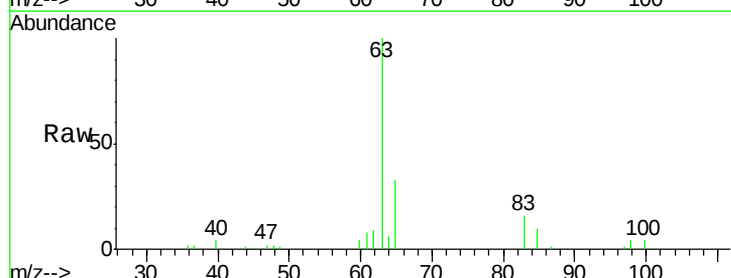
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 43 Resp: 587783
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 9.624 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Tgt Ion: 63 Resp: 127480
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.8 8.4
 100 3.7 1.8 5.5





#25

2-Butanone

Concen: 49.712 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

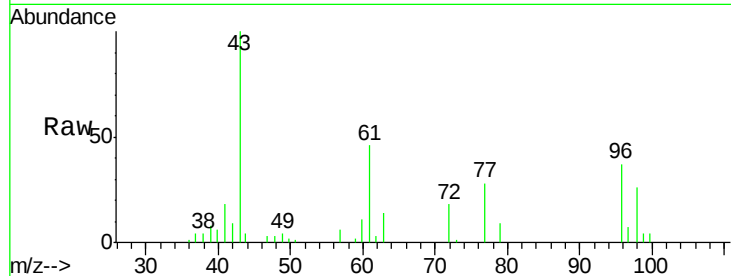
VSTDIC010

Tot Ion: 43 Resp: 96866

Ion Ratio Lower Upper

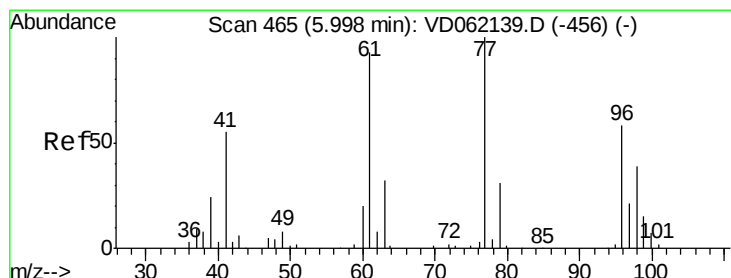
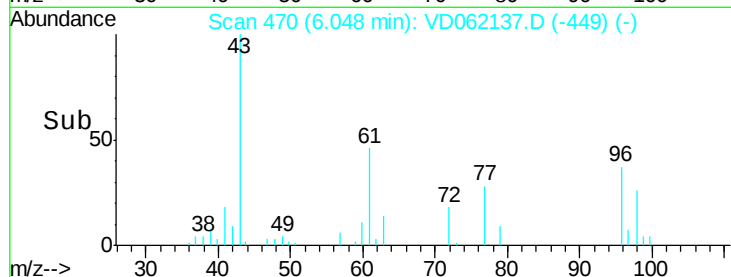
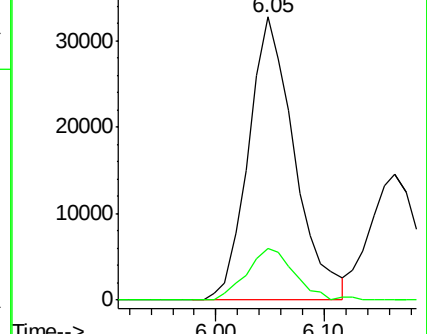
43 100

72 18.1 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.313 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD062137.D

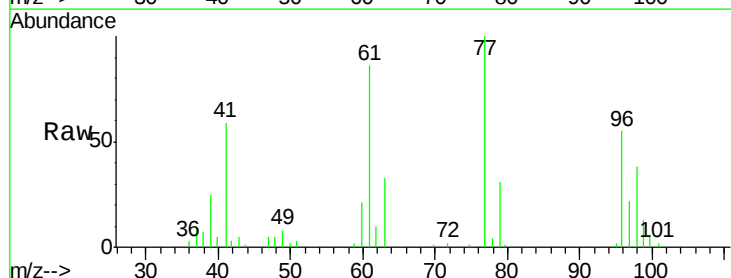
Acq: 7 May 2019 12:06

Tgt Ion: 77 Resp: 135316

Ion Ratio Lower Upper

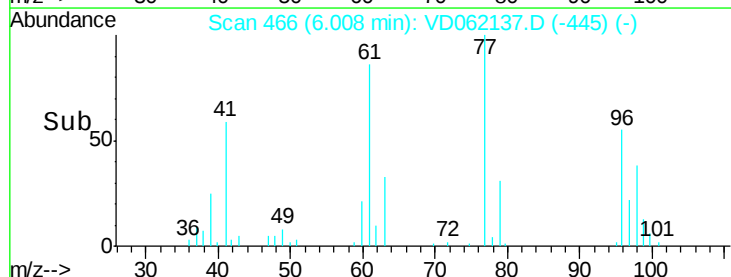
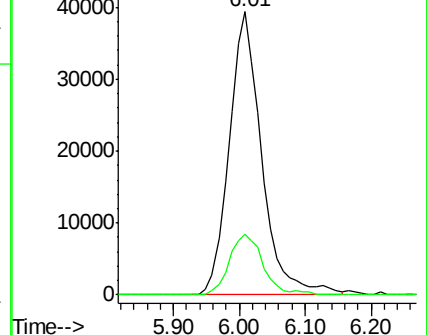
77 100

97 21.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



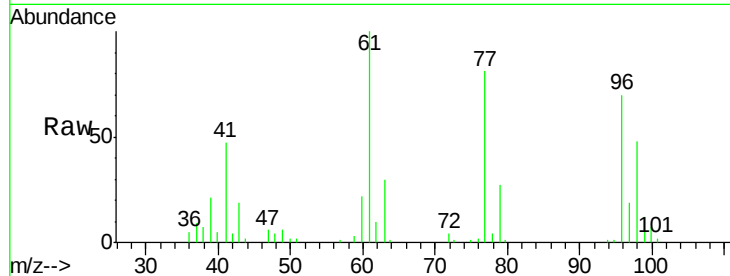


#27

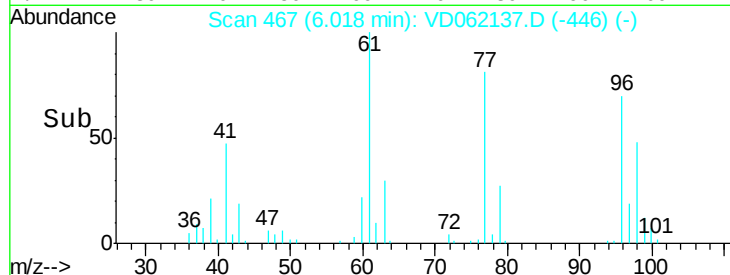
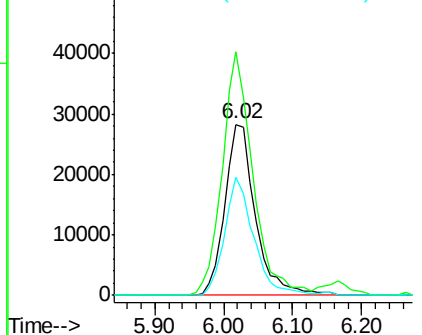
cis-1,2-Dichloroethene
Concen: 9.817 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 96 Resp: 87027
Ion Ratio Lower Upper
96 100
61 142.3 0.0 279.8
98 69.0 0.0 136.0



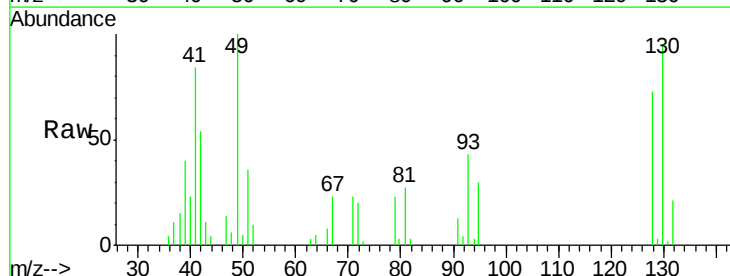
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



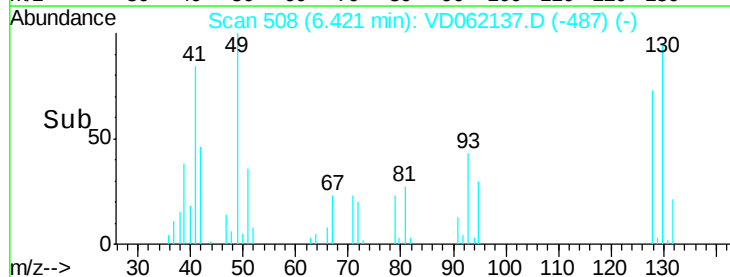
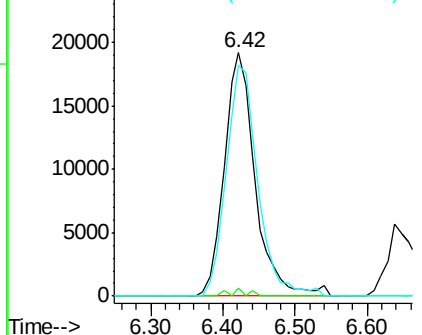
#28

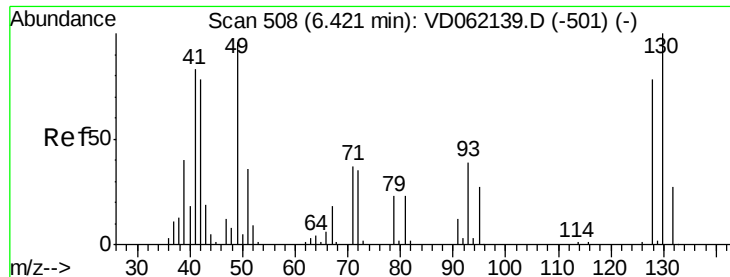
Bromochloromethane
Concen: 10.755 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion: 49 Resp: 56687
Ion Ratio Lower Upper
49 100
129 3.1 0.0 6.6
130 95.0 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

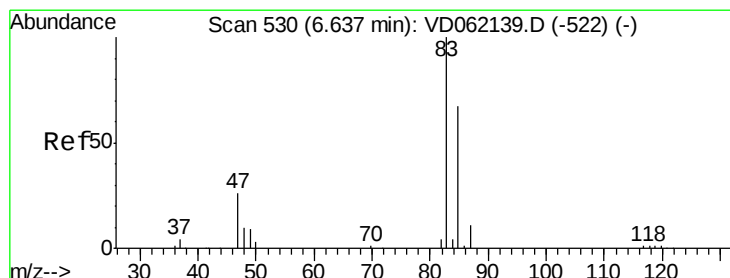
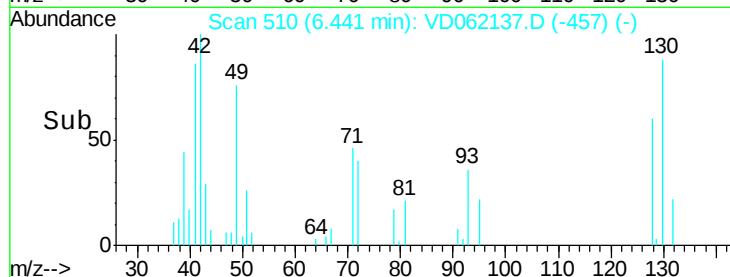
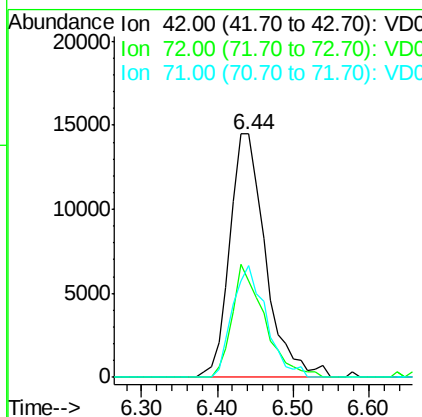
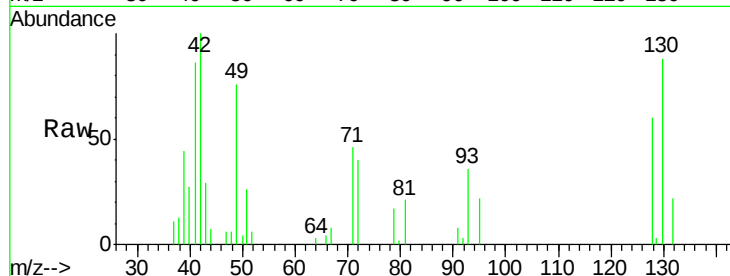




#29
Tetrahydrofuran
Concen: 54.469 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

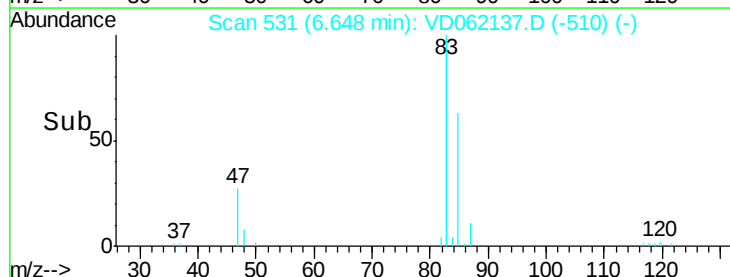
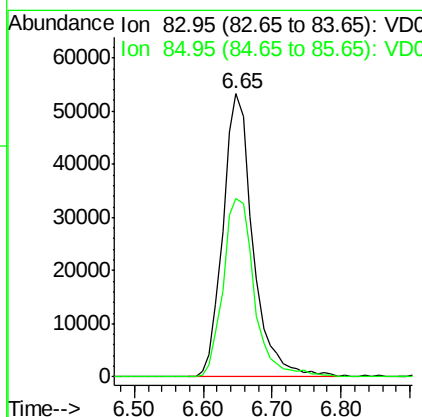
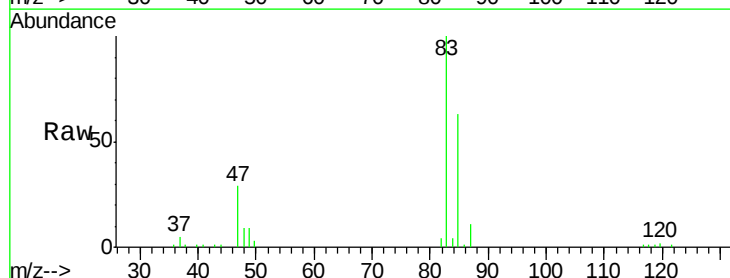
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

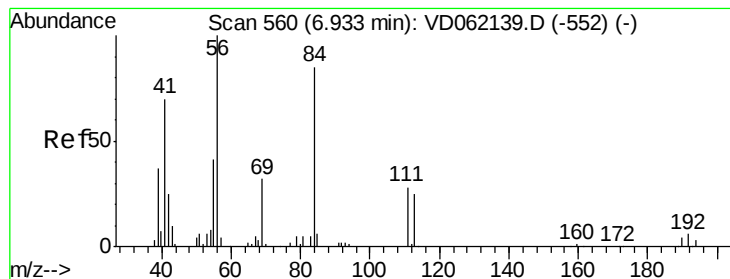
Tot Ion: 42 Resp: 47388
Ion Ratio Lower Upper
42 100
72 42.0 37.8 56.6
71 43.2 36.7 55.1



#30
Chloroform
Concen: 9.806 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion: 83 Resp: 160492
Ion Ratio Lower Upper
83 100
85 62.9 51.7 77.5





#31

Cyclohexane

Concen: 8.991 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

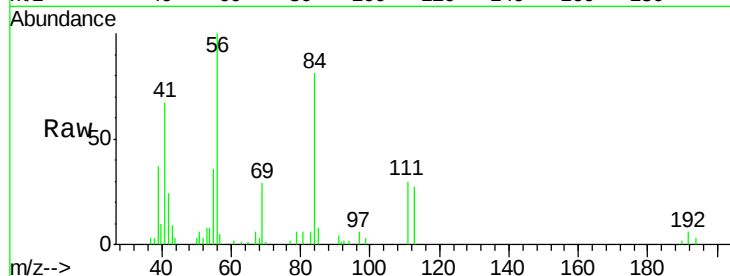
Tot Ion: 56 Resp: 86039

Ion Ratio Lower Upper

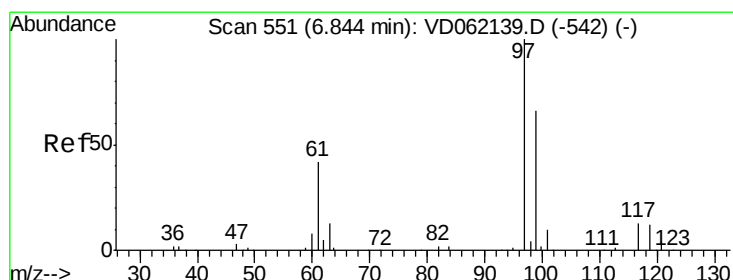
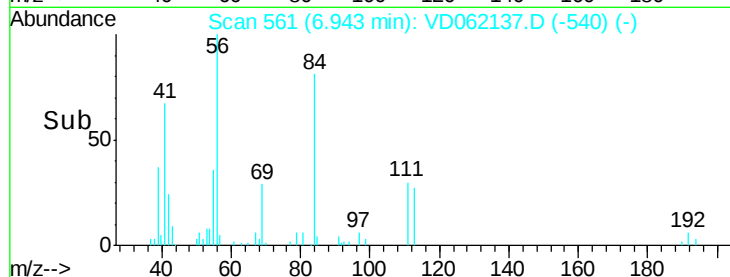
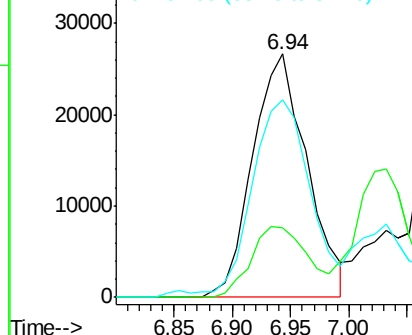
56 100

69 28.6 25.8 38.6

84 81.2 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: 9.146 ug/l

RT: 6.85 min Scan# 552

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

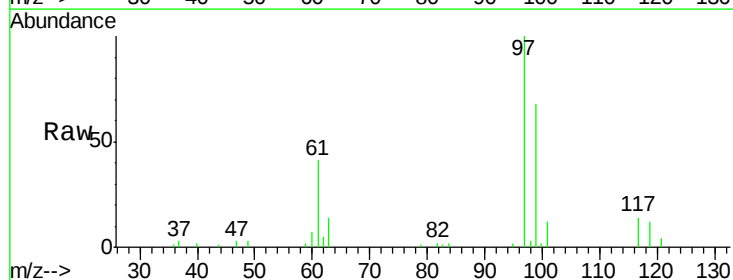
Tgt Ion: 97 Resp: 144881

Ion Ratio Lower Upper

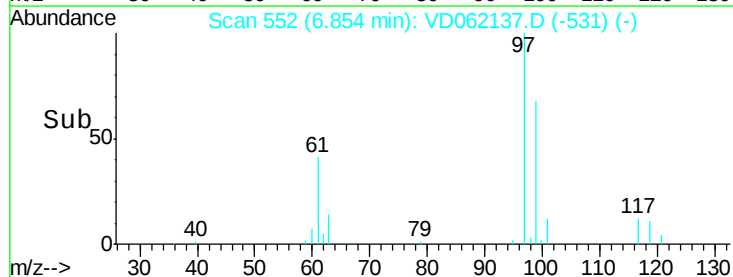
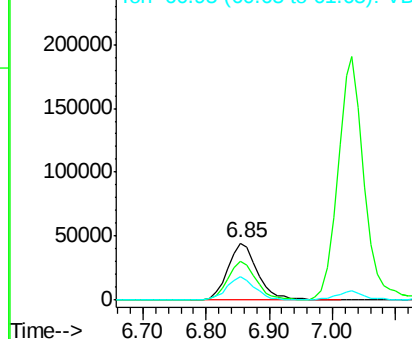
97 100

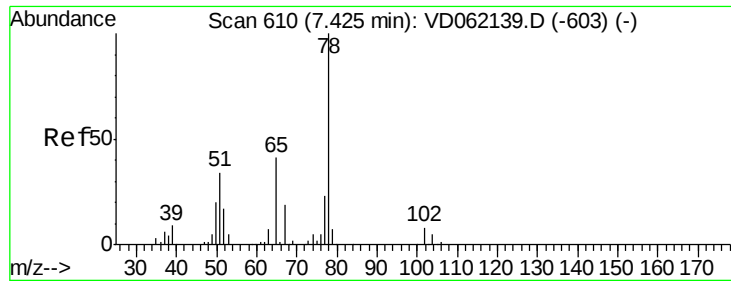
99 68.5 52.2 78.2

61 40.6 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

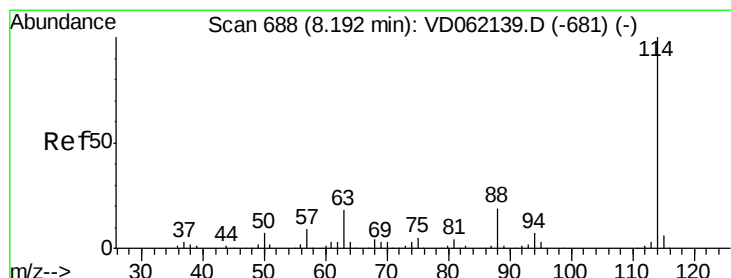
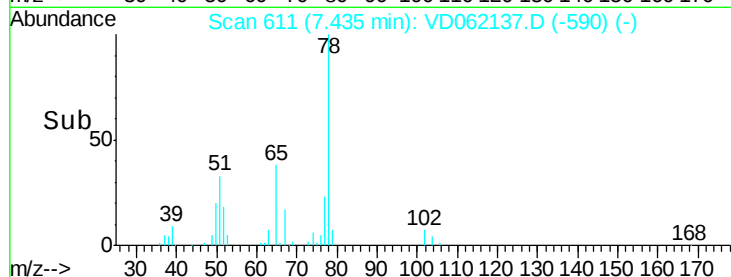
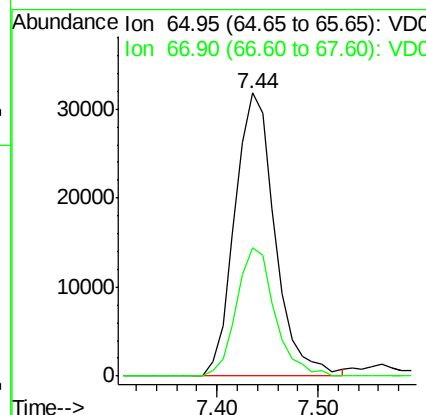
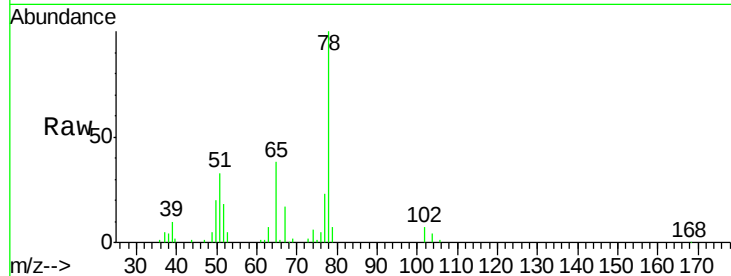




#33
 1,2-Dichloroethane-d4
 Concen: 9.707 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

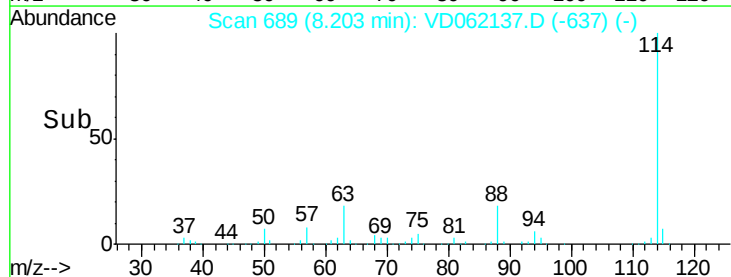
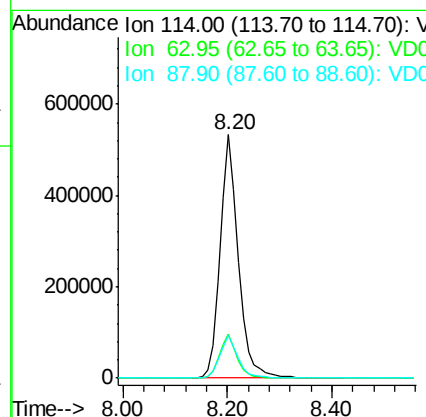
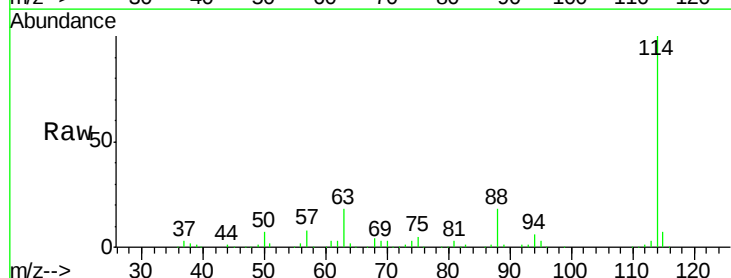
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

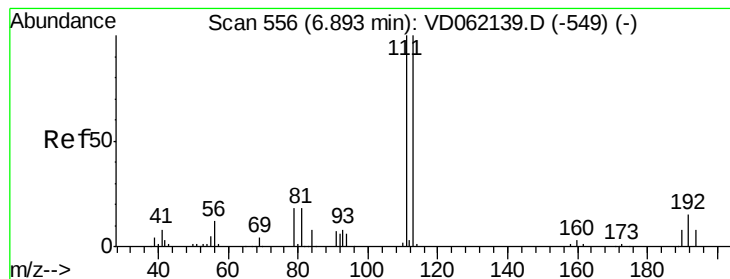
Tot Ion: 65 Resp: 88112
 Ion Ratio Lower Upper
 65 100
 67 45.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Tgt Ion: 114 Resp: 1291870
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 32.4
 88 17.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 8.690 ug/l

RT: 6.91 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

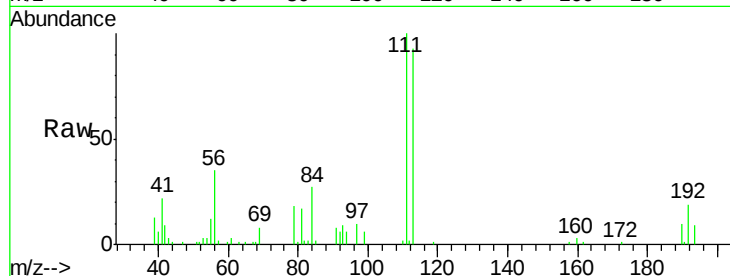
Tot Ion:113 Resp: 101550

Ion Ratio Lower Upper

113 100

111 107.8 78.5 117.7

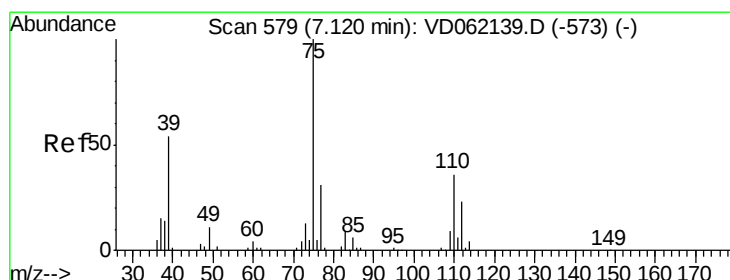
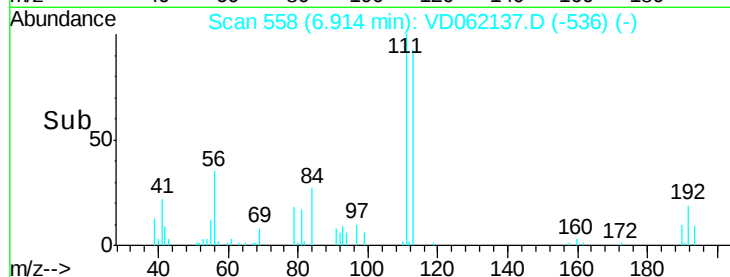
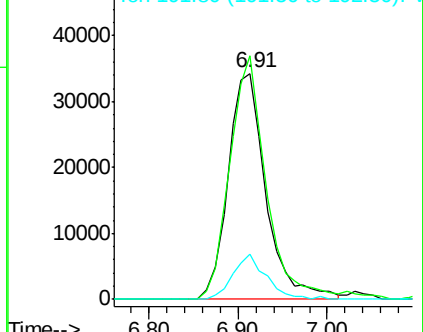
192 20.2 13.0 19.4#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 9.903 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

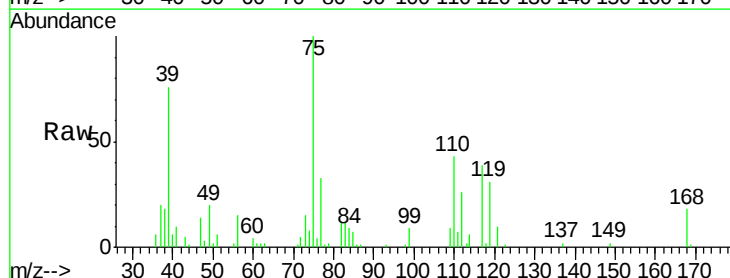
Tgt Ion: 75 Resp: 106652

Ion Ratio Lower Upper

75 100

110 42.7 19.1 57.1

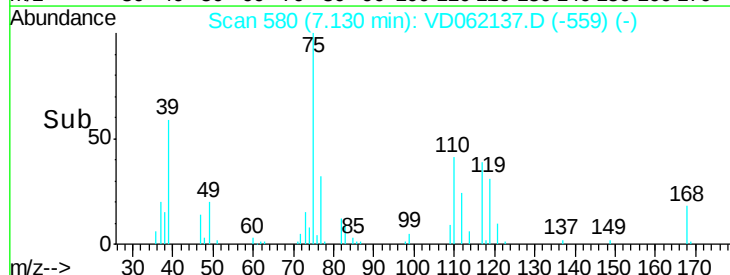
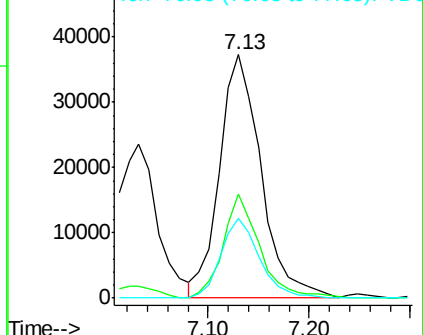
77 32.8 25.6 38.4

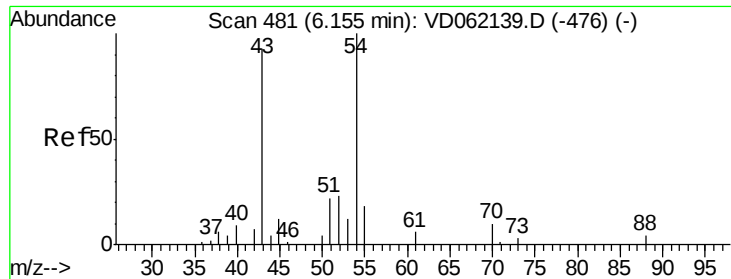


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

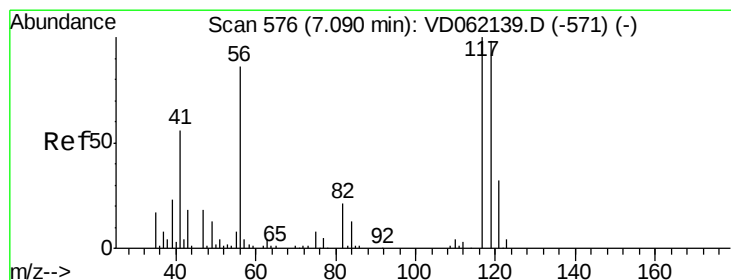
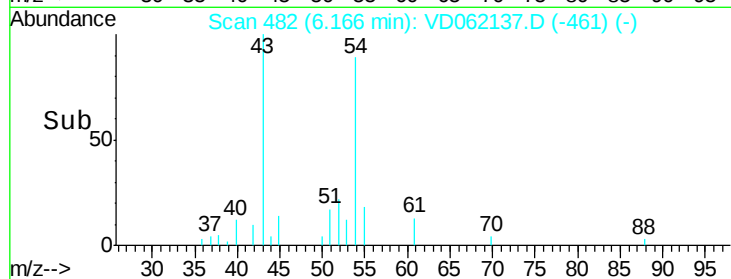
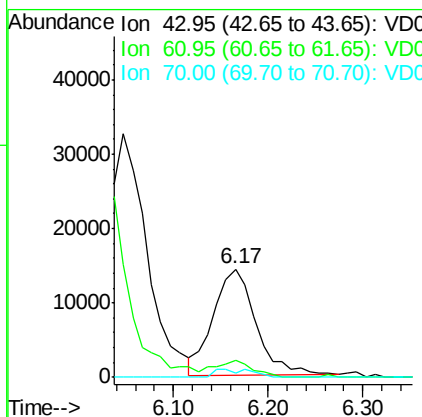
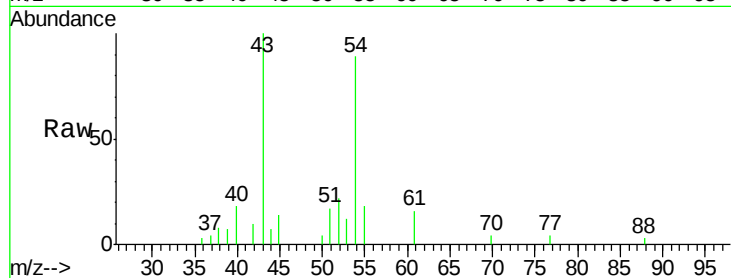




#37
Ethyl Acetate
Concen: 9.683 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

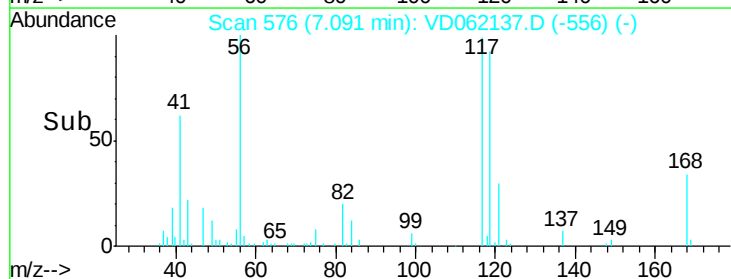
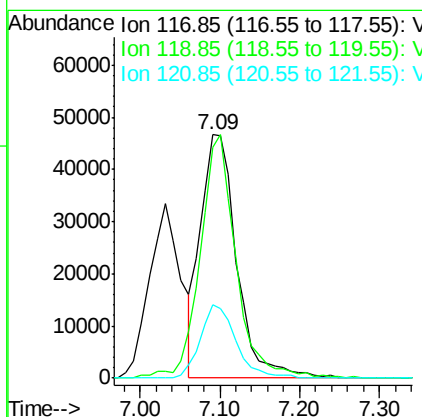
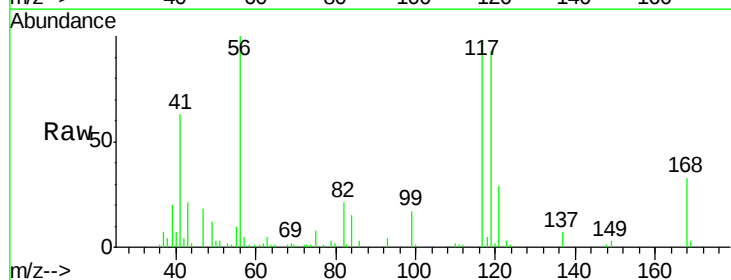
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

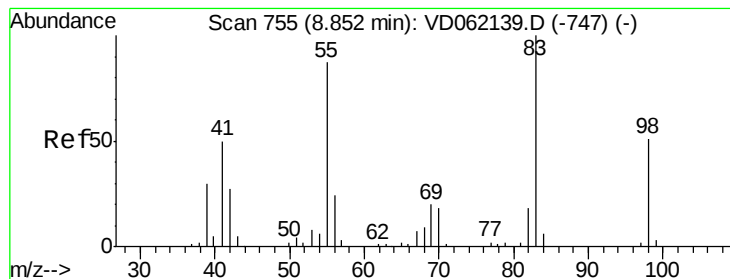
Tot Ion: 43 Resp: 45208
Ion Ratio Lower Upper
43 100
61 15.9 14.7 22.1
70 4.4 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 9.628 ug/l
RT: 7.09 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion: 117 Resp: 147011
Ion Ratio Lower Upper
117 100
119 95.1 75.8 113.8
121 30.0 25.9 38.9





#39

Methvlcvclohexane

Concen: 9.375 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

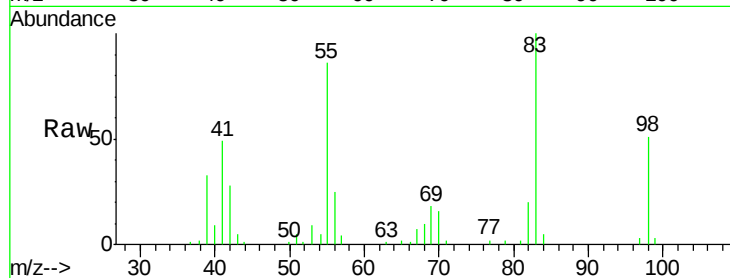
Tot Ion: 83 Resp: 101491

Ion Ratio Lower Upper

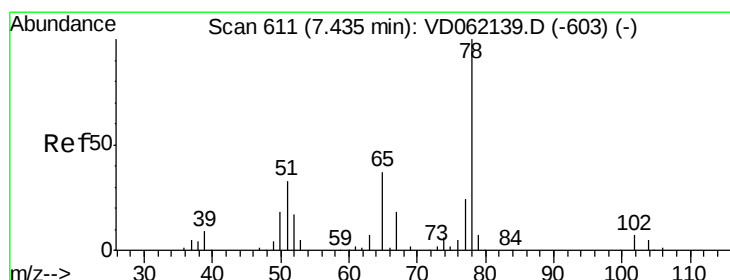
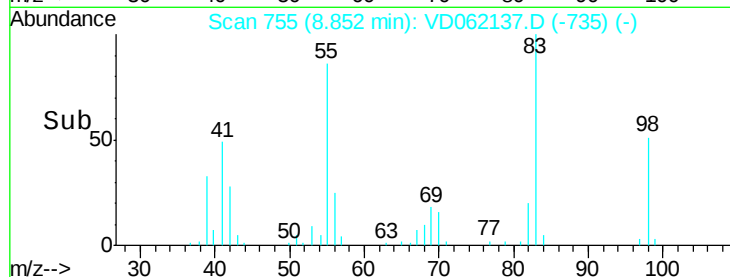
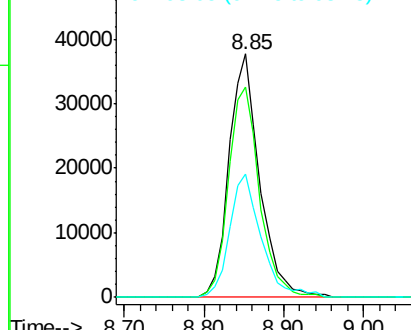
83 100

55 86.2 68.2 102.4

98 50.7 38.2 57.4



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



#40

Benzene

Concen: 9.916 ug/l

RT: 7.44 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD062137.D

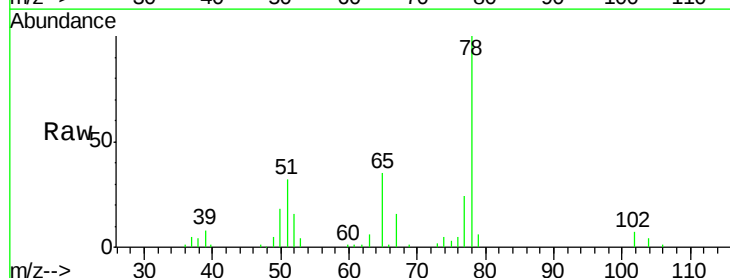
Acq: 7 May 2019 12:06

Tgt Ion: 78 Resp: 242184

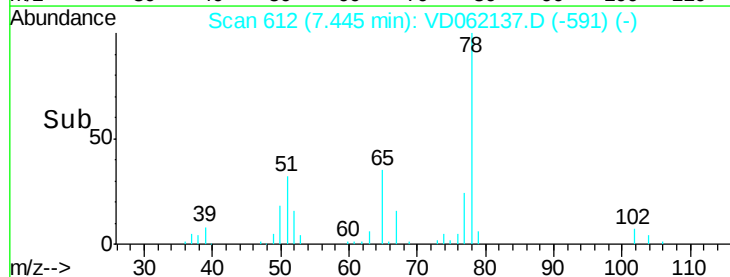
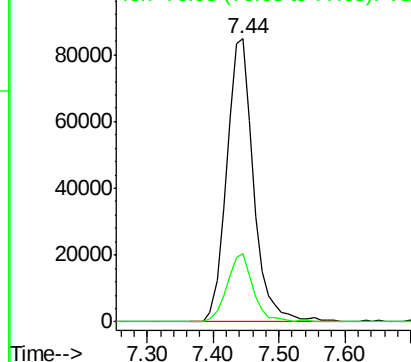
Ion Ratio Lower Upper

78 100

77 24.2 19.7 29.5



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

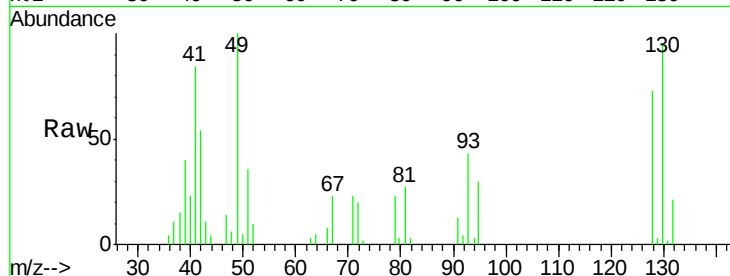




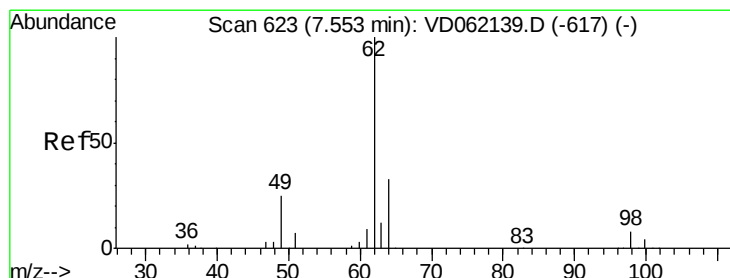
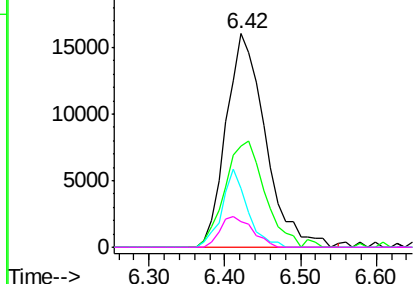
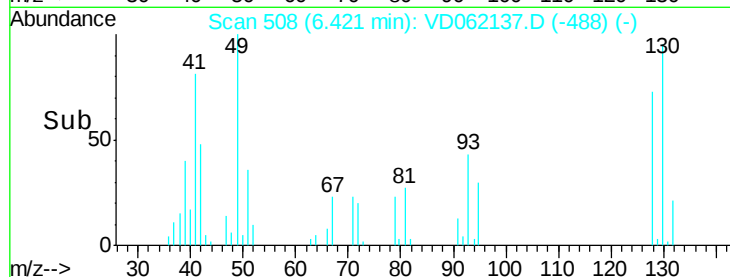
#41
Methacrylonitrile
Concen: 10.532 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 41 Resp: 57772
Ion Ratio Lower Upper
41 100
39 47.5 34.1 51.1
67 27.3 23.8 35.6
52 12.0 8.8 13.2

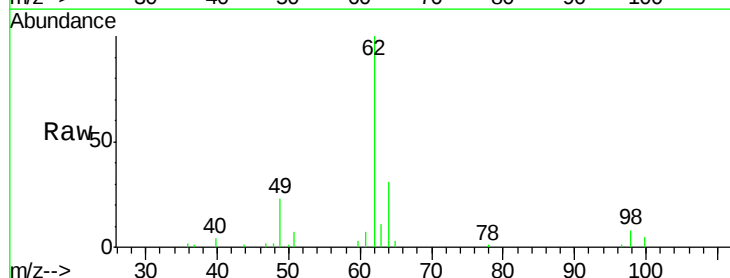


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

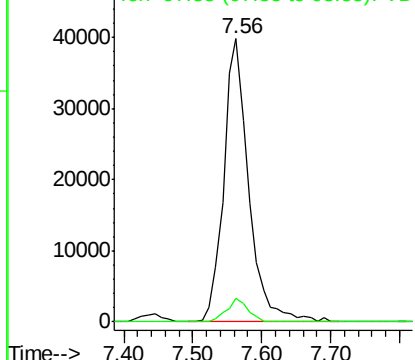
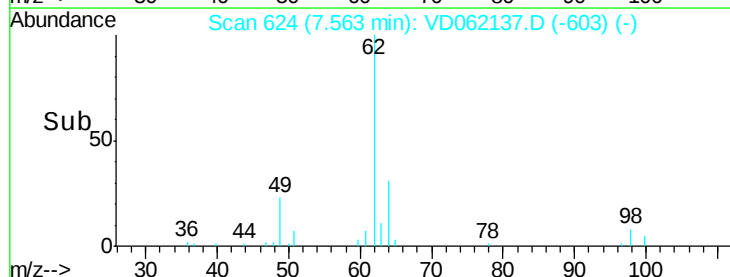


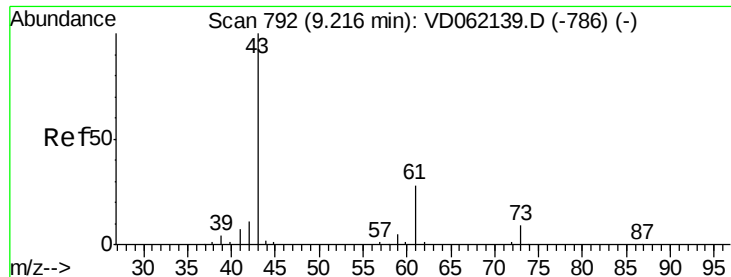
#42
1,2-Dichloroethane
Concen: 9.535 ug/l
RT: 7.56 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion: 62 Resp: 99328
Ion Ratio Lower Upper
62 100
98 8.4 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 9.695 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

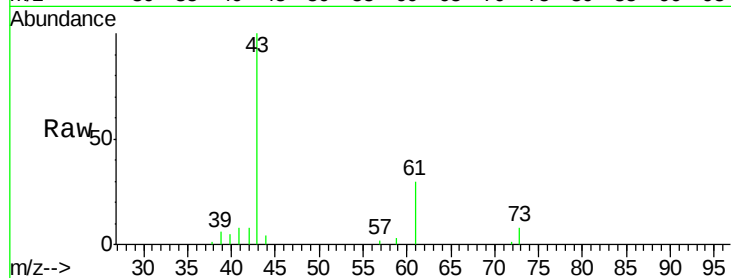
Tot Ion: 43 Resp: 62983

Ion Ratio Lower Upper

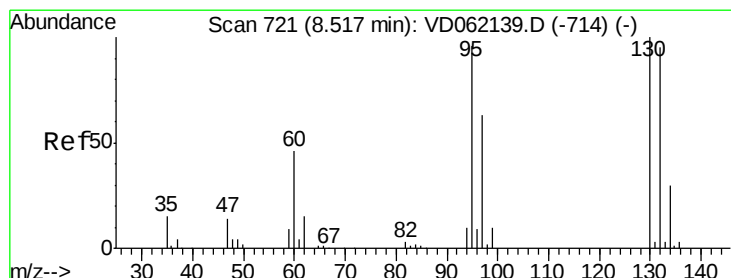
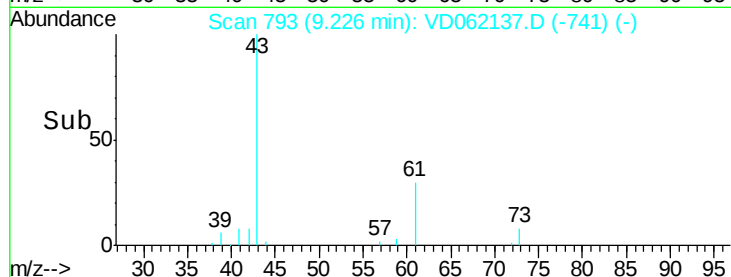
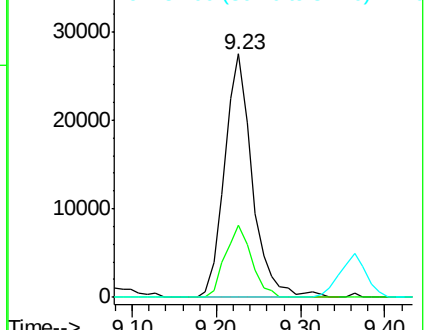
43 100

61 29.6 25.1 37.7

87 0.0 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: 9.359 ug/l

RT: 8.53 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD062137.D

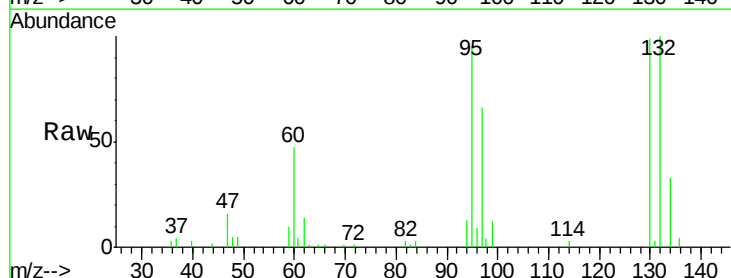
Acq: 7 May 2019 12:06

Tgt Ion: 130 Resp: 89861

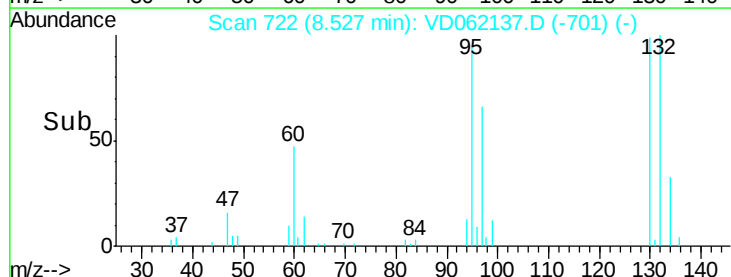
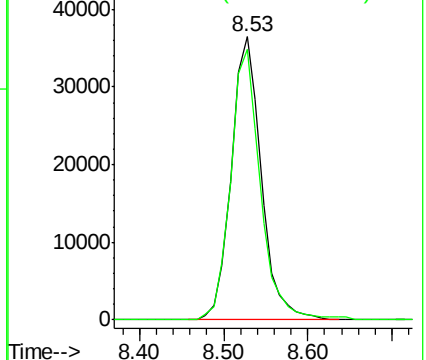
Ion Ratio Lower Upper

130 100

95 95.8 0.0 174.0



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

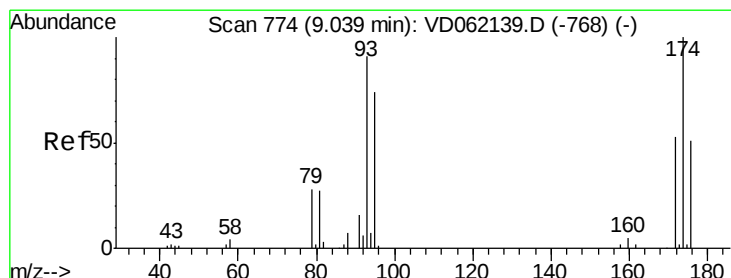
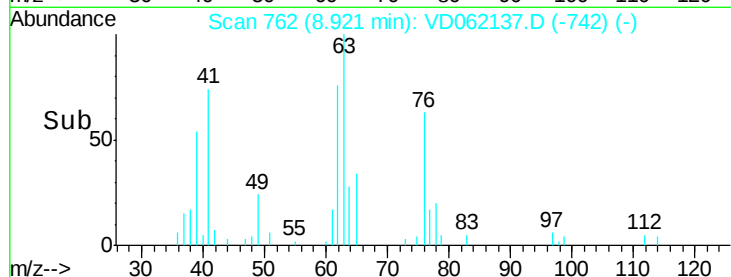
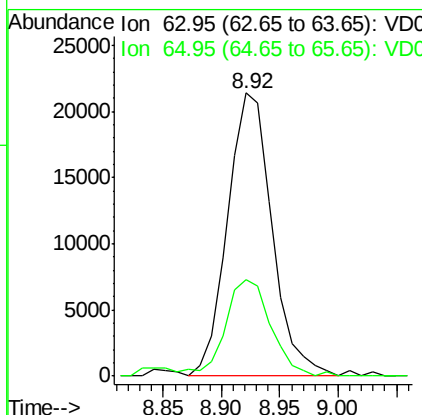
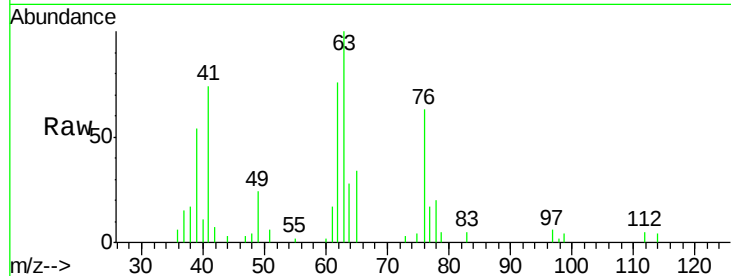




#45
 1,2-Dichloropropane
 Concen: 9.356 ug/l
 RT: 8.92 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

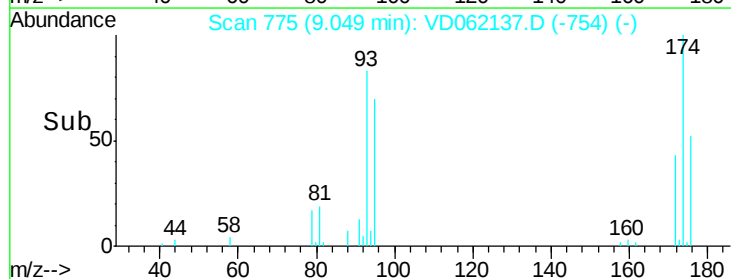
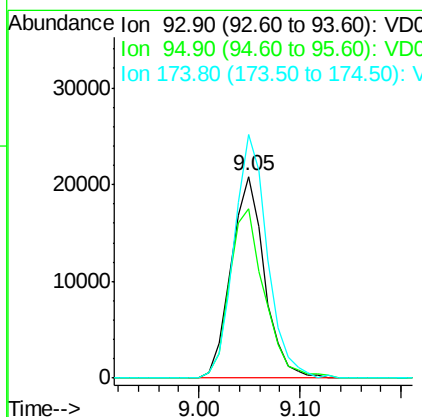
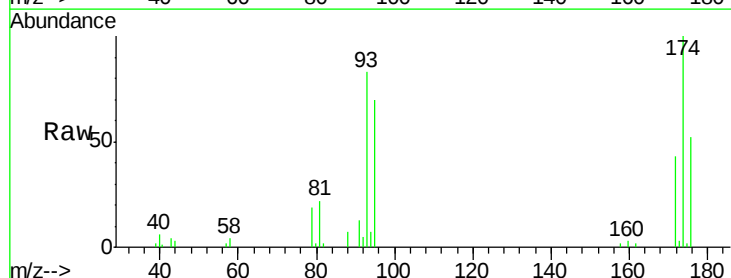
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

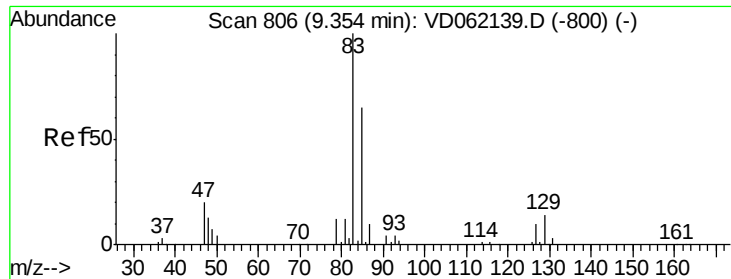
Tot Ion: 63 Resp: 56564
 Ion Ratio Lower Upper
 63 100
 65 34.0 23.8 35.6



#46
 Dibromomethane
 Concen: 9.651 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. 0.01 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Tgt Ion: 93 Resp: 47883
 Ion Ratio Lower Upper
 93 100
 95 84.0 64.8 97.2
 174 120.8 79.3 118.9#





#47

Bromodichloromethane

Concen: 9.287 ug/l

RT: 9.36 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

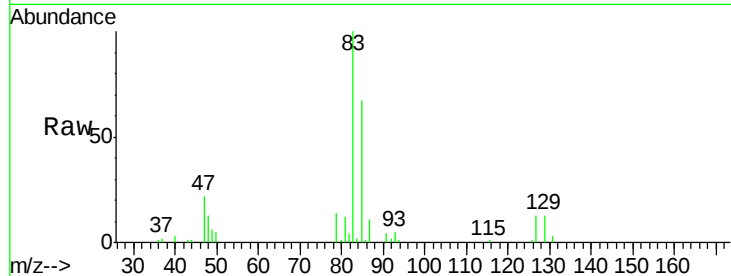
Tot Ion: 83 Resp: 112490

Ion Ratio Lower Upper

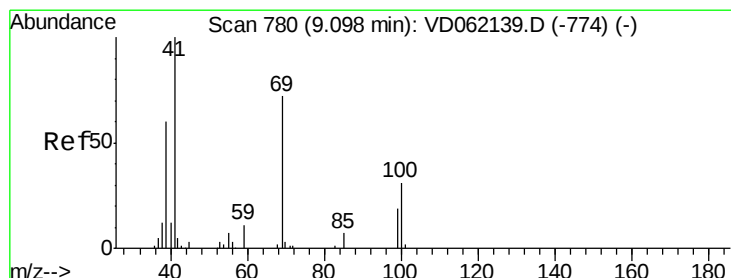
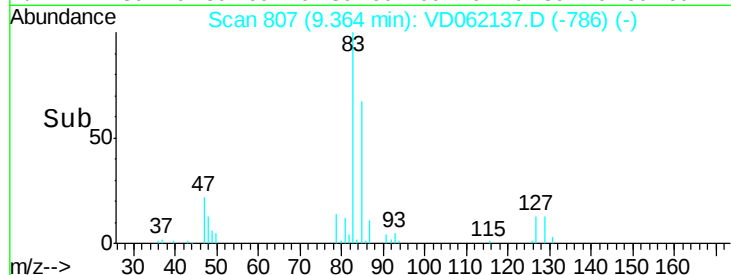
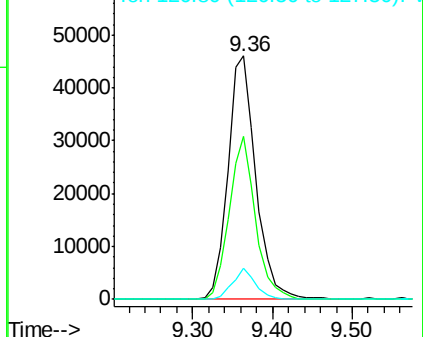
83 100

85 67.1 50.9 76.3

127 12.8 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): V



#48

Methyl methacrylate

Concen: 10.336 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

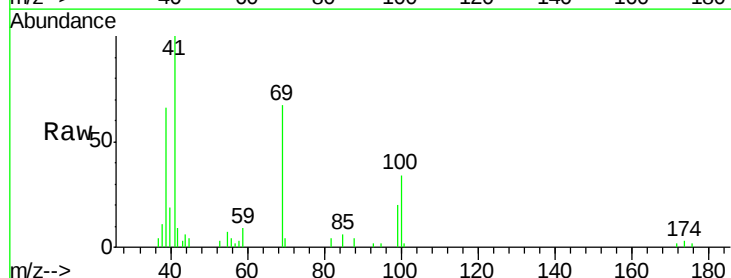
Tgt Ion: 41 Resp: 40456

Ion Ratio Lower Upper

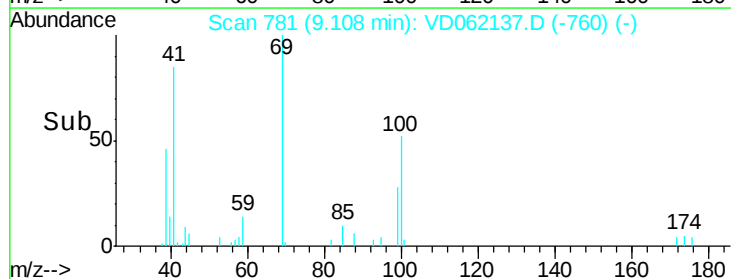
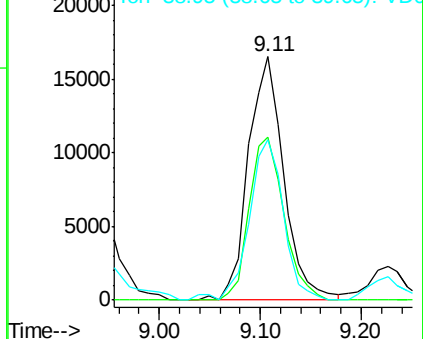
41 100

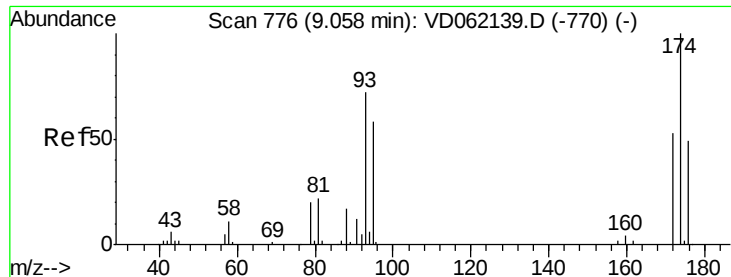
69 67.0 64.2 96.2

39 65.7 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

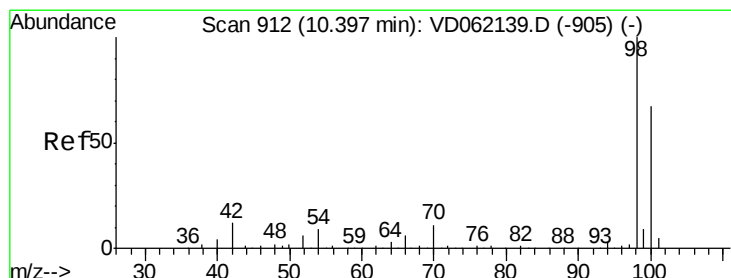
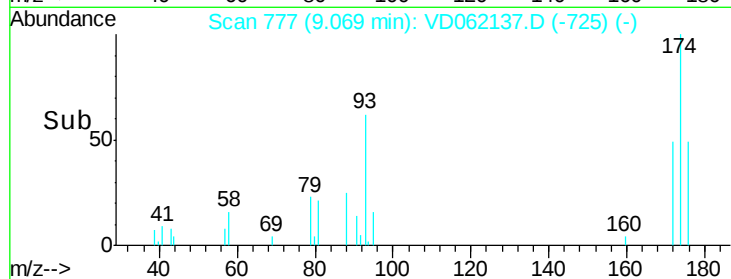
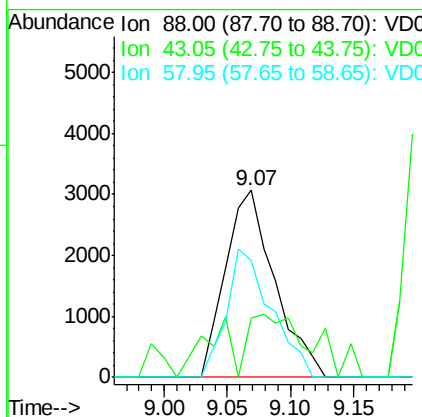
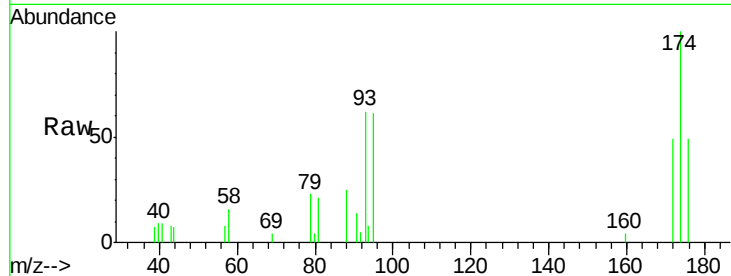




#49
1,4-Dioxane
Concen: 194.535 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

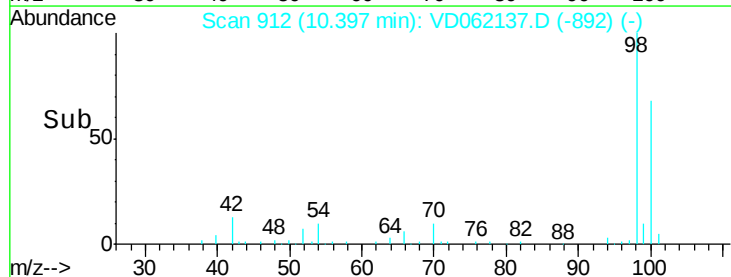
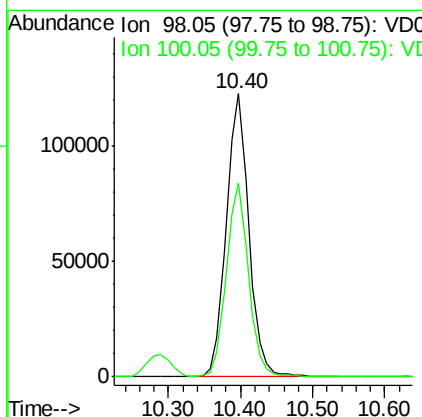
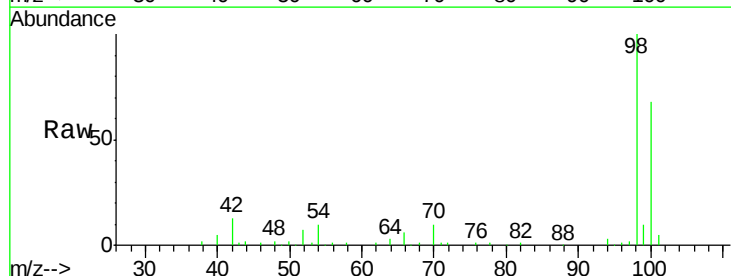
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

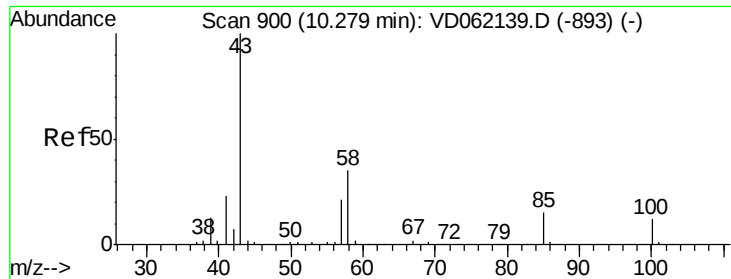
Tot Ion: 88 Resp: 8288
Ion Ratio Lower Upper
88 100
43 31.5 23.4 35.0
58 62.7 44.0 66.0



#50
Toluene-d8
Concen: 9.314 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion: 98 Resp: 267102
Ion Ratio Lower Upper
98 100
100 68.2 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 50.119 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

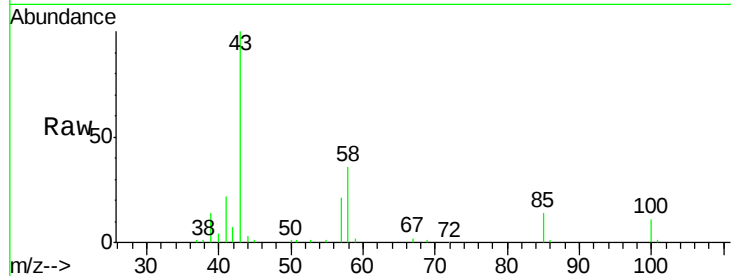
VSTDIC010

Tot Ion: 43 Resp: 202885

Ion Ratio Lower Upper

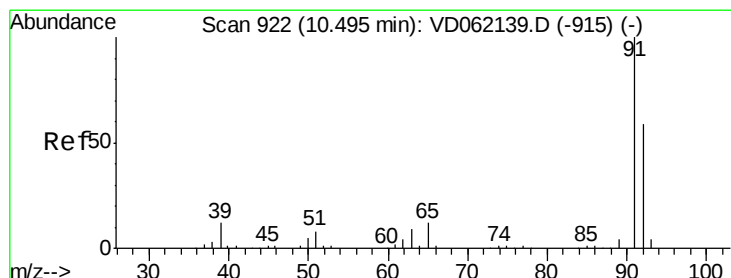
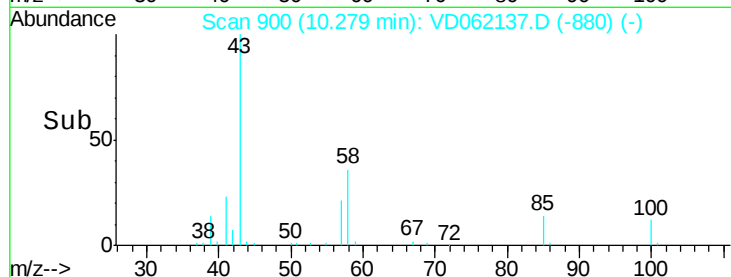
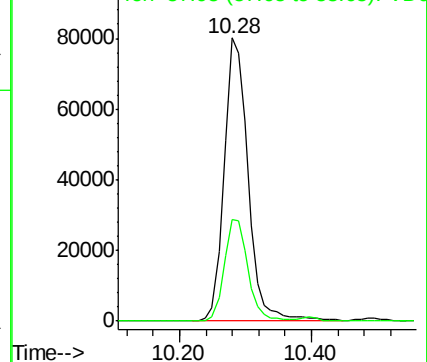
43 100

58 35.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 9.831 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD062137.D

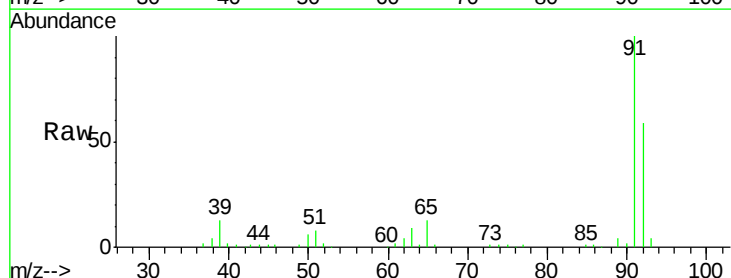
Acq: 7 May 2019 12:06

Tgt Ion: 92 Resp: 158018

Ion Ratio Lower Upper

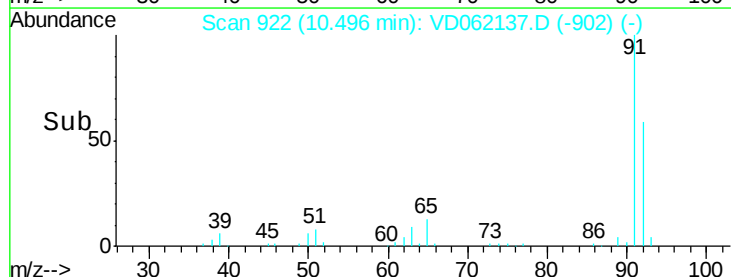
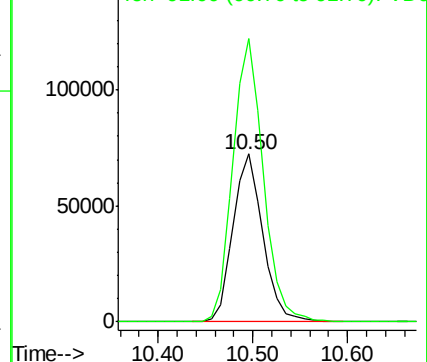
92 100

91 168.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

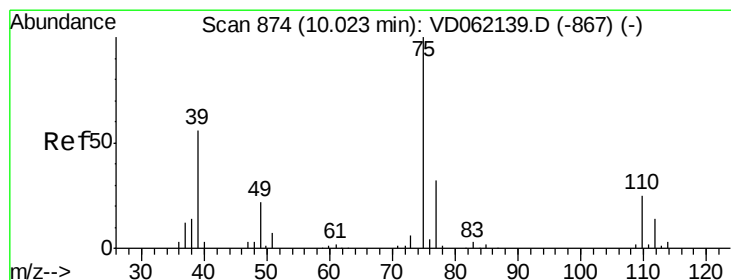
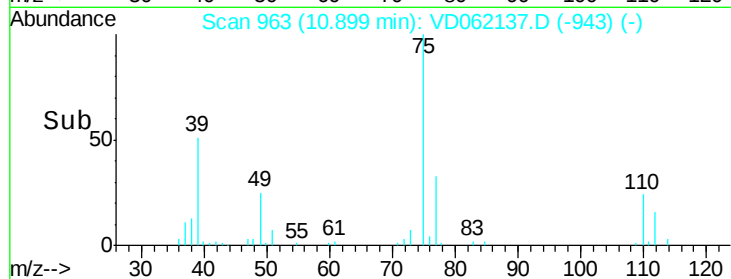
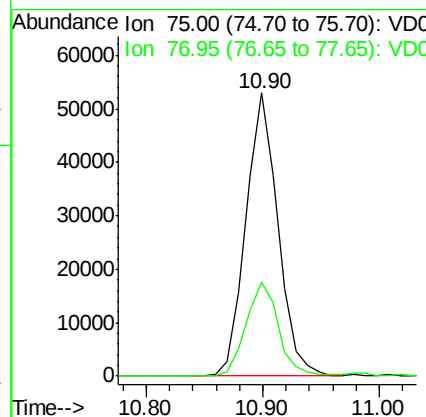
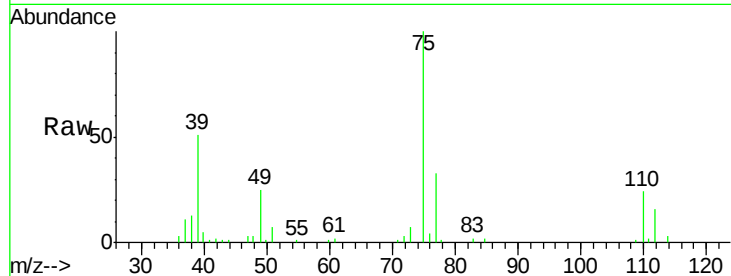




#53
 t-1,3-Dichloropropene
 Concen: 9.508 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

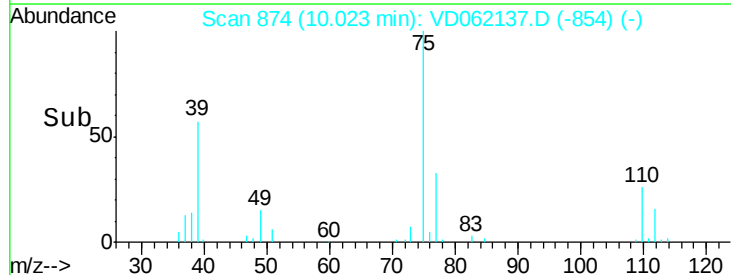
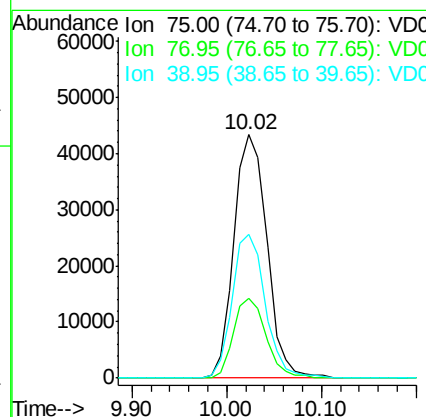
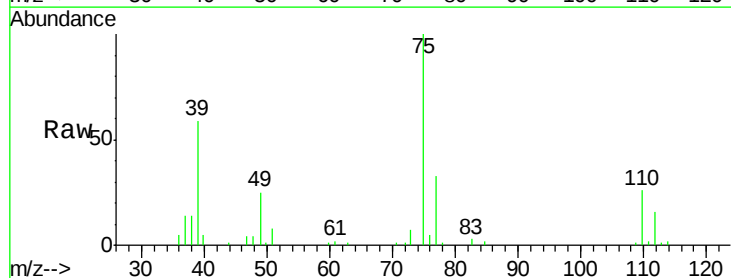
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 100933
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 8.781 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Tgt Ion: 75 Resp: 104596
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.5 38.3
 39 59.1 39.4 59.2

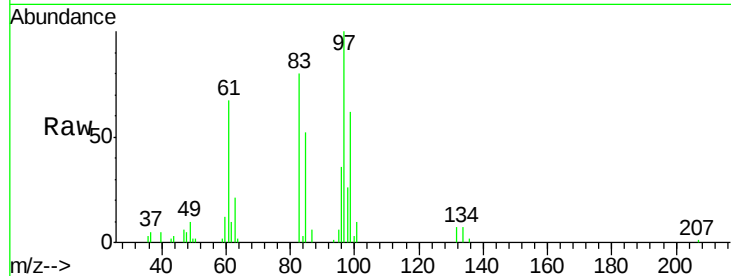




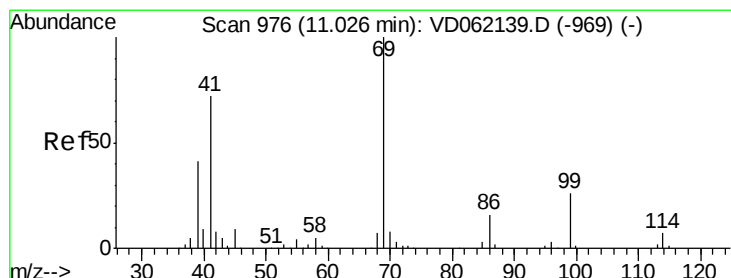
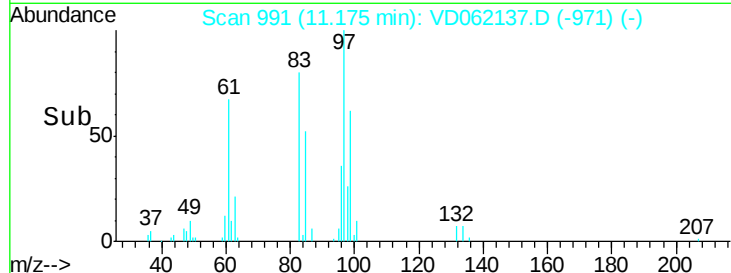
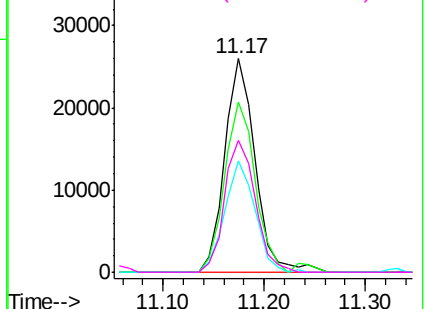
#55
 1,1,2-Trichloroethane
 Concen: 9.245 ug/l
 RT: 11.17 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	54526
Ion	Ratio	Lower	Upper
97	100		
83	79.8	65.7	98.5
85	51.9	45.6	68.4
99	62.0	48.4	72.6

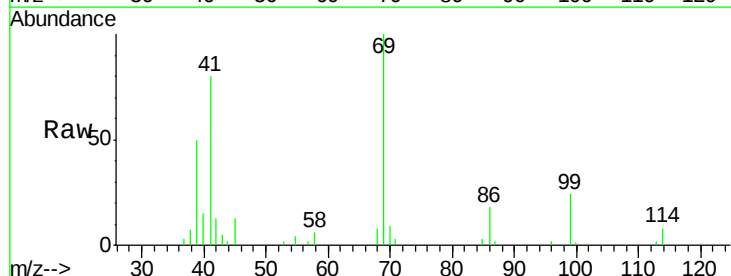


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

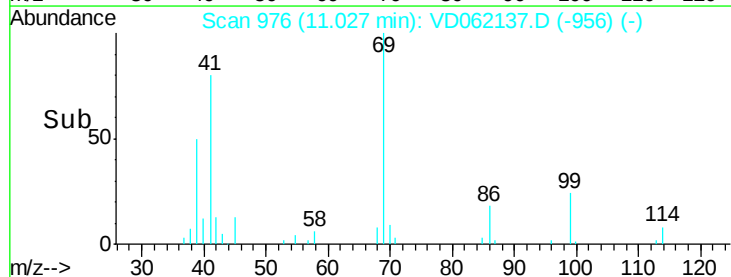
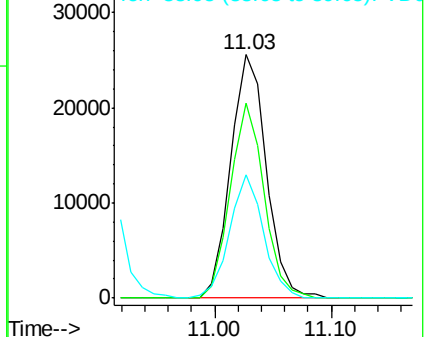


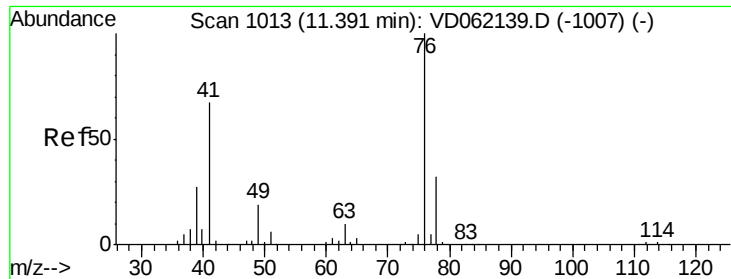
#56
 Ethyl methacrylate
 Concen: 8.830 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Tgt Ion:	69	Resp:	54257
Ion	Ratio	Lower	Upper
69	100		
41	80.0	56.3	84.5
39	50.4	29.4	44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 8.966 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

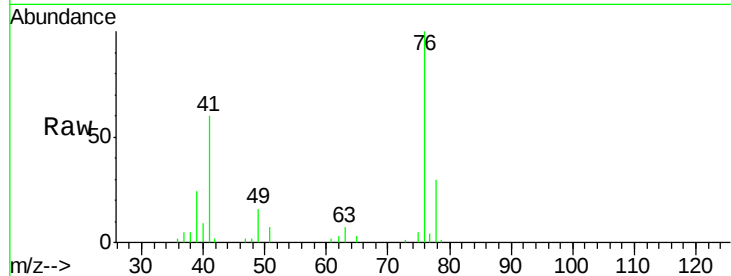
VSTDIC010

Tot Ion: 76 Resp: 81856

Ion Ratio Lower Upper

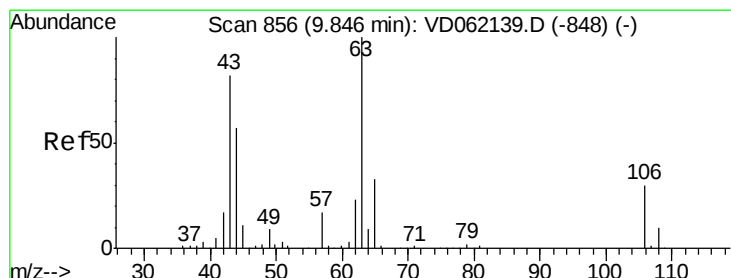
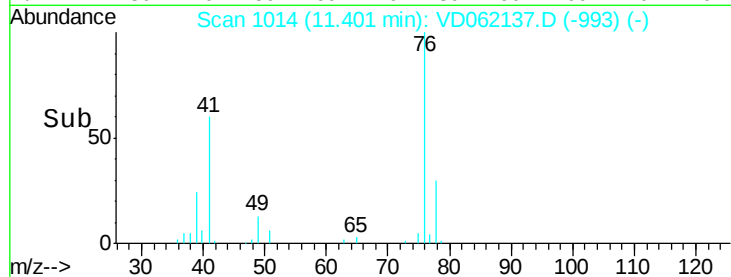
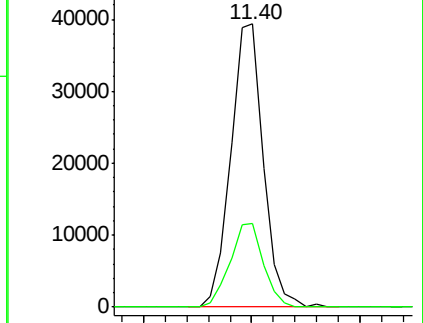
76 100

78 29.6 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 47.441 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD062137.D

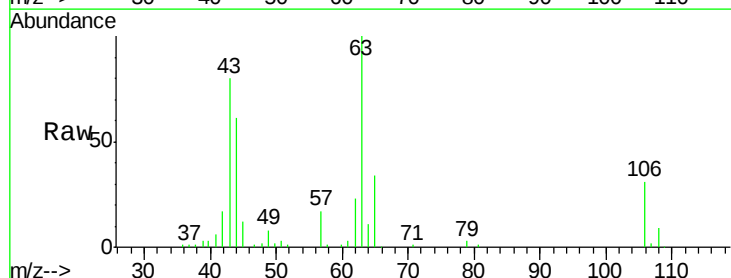
Acq: 7 May 2019 12:06

Tgt Ion: 63 Resp: 155640

Ion Ratio Lower Upper

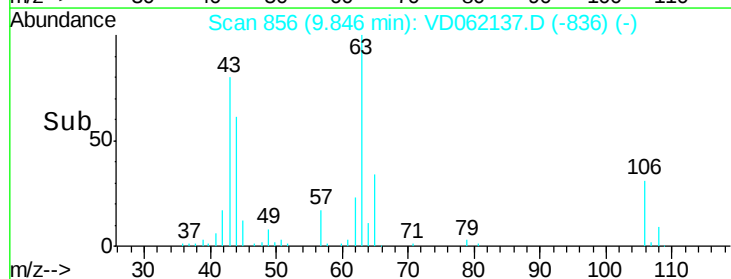
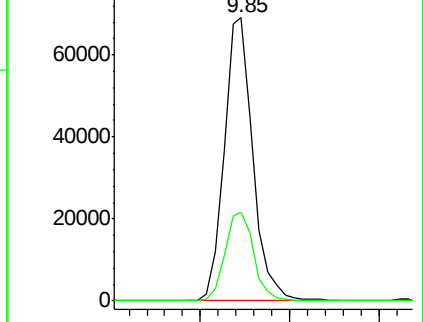
63 100

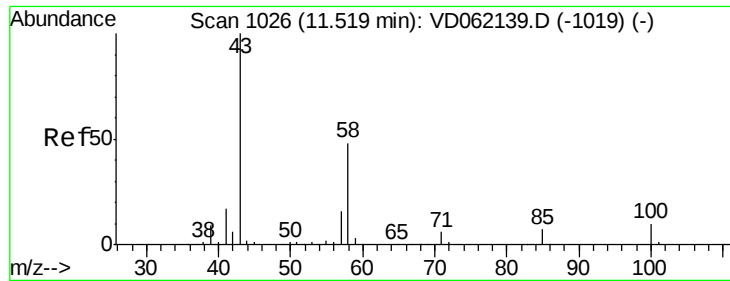
106 31.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

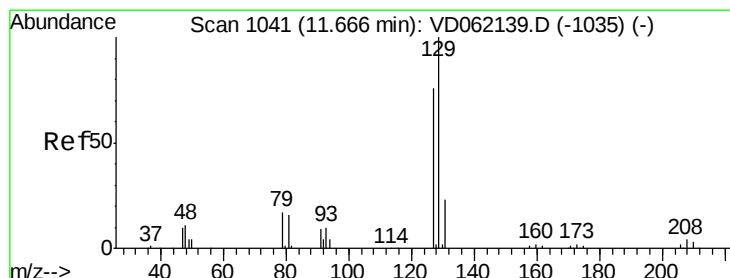
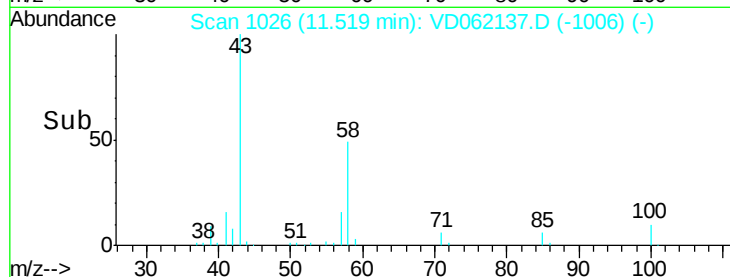
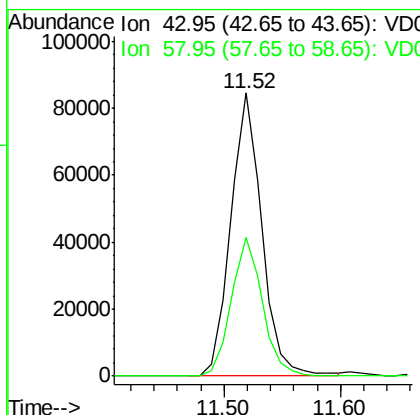
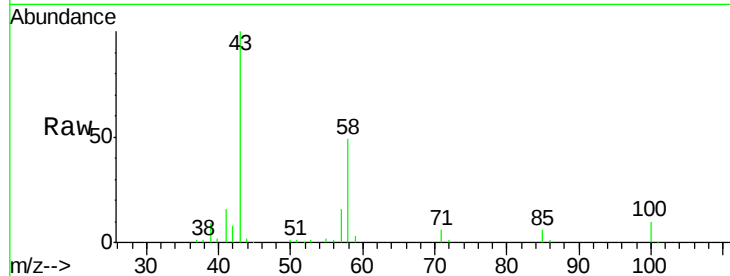




#59
2-Hexanone
Concen: 51.100 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

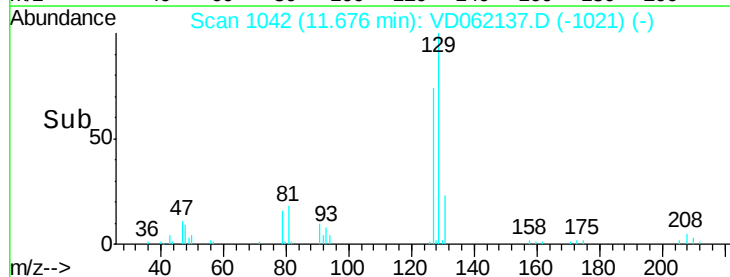
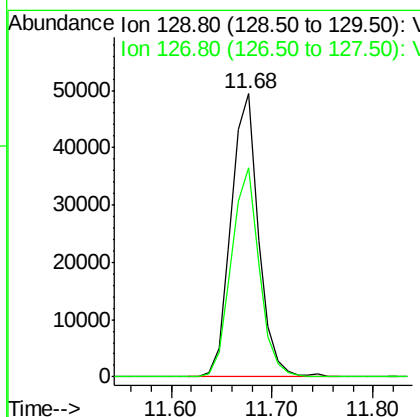
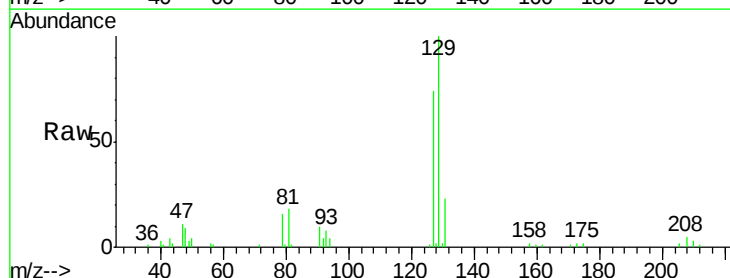
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

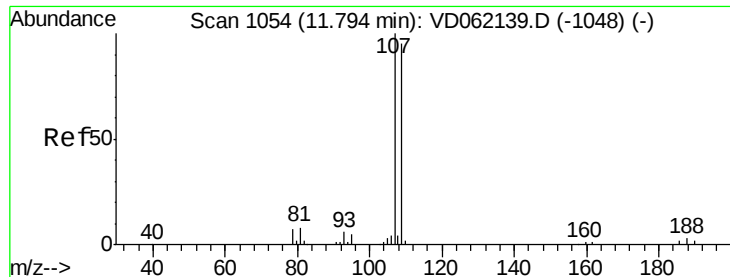
Tot Ion: 43 Resp: 155461
Ion Ratio Lower Upper
43 100
58 48.9 25.4 76.4



#60
Dibromochloromethane
Concen: 9.382 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion: 129 Resp: 93408
Ion Ratio Lower Upper
129 100
127 73.8 38.0 113.9

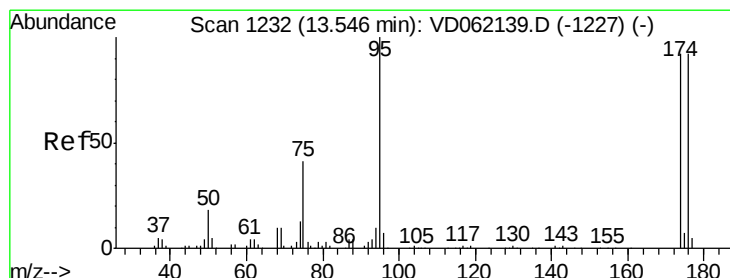
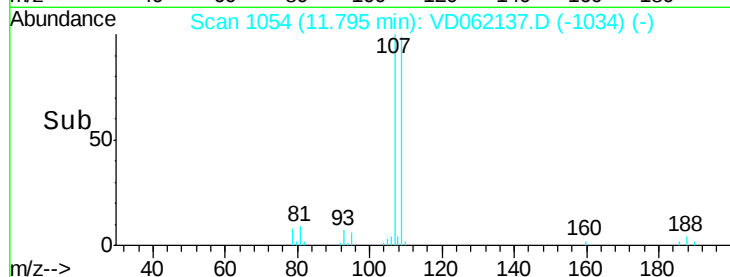
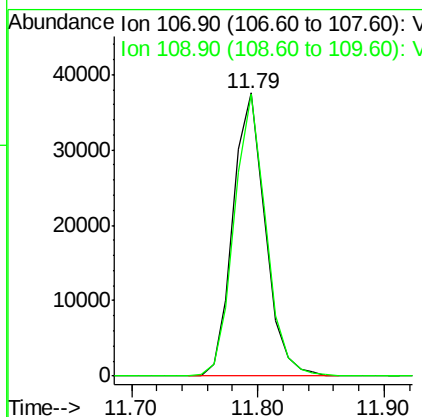
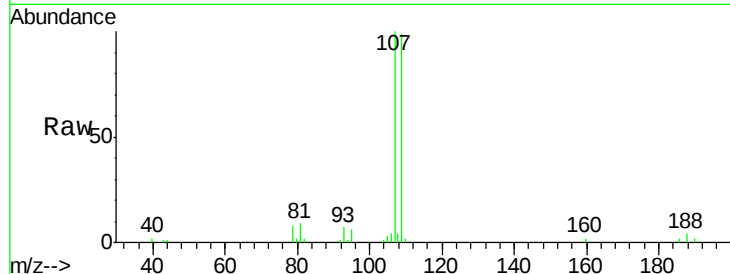




#61
 1,2-Dibromoethane
 Concen: 9.766 ug/l
 RT: 11.79 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

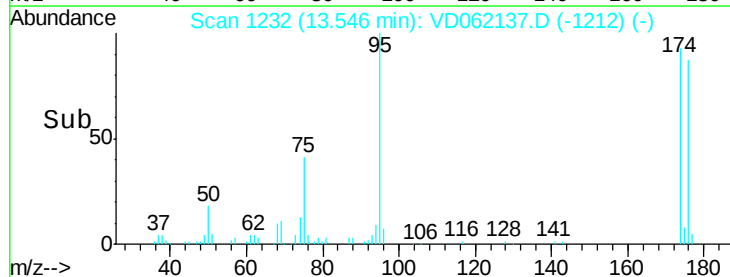
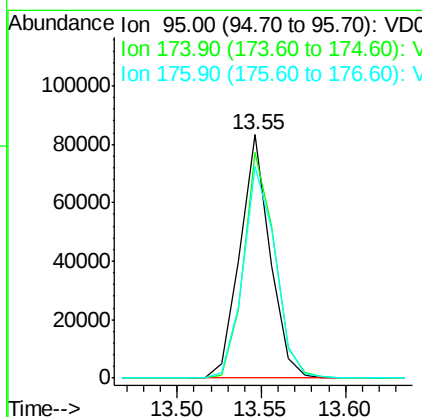
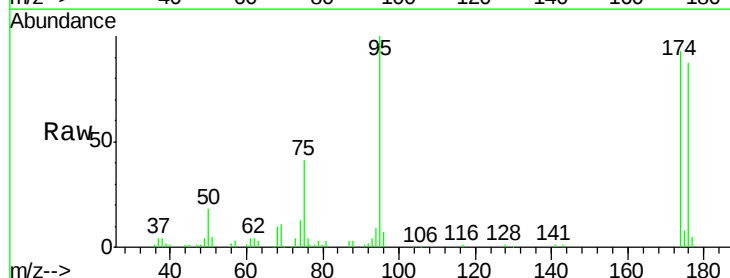
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:107 Resp: 66199
 Ion Ratio Lower Upper
 107 100
 109 99.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 8.916 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Tgt Ion: 95 Resp: 103179
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 181.8
 176 87.1 0.0 174.4

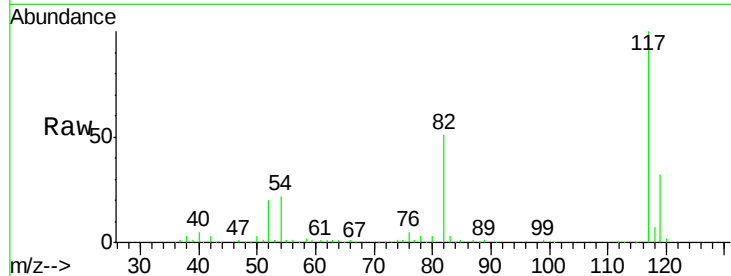




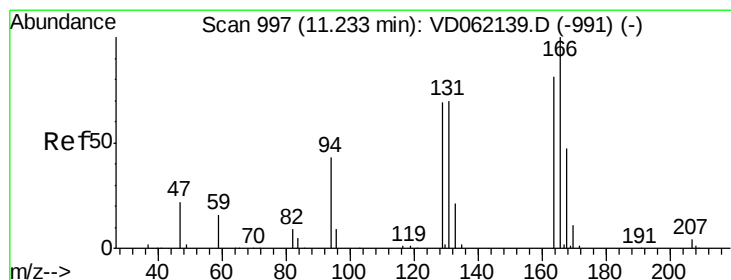
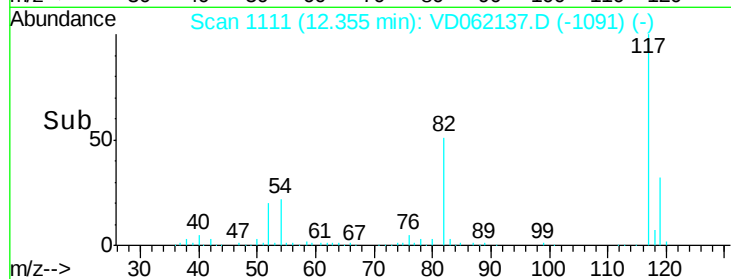
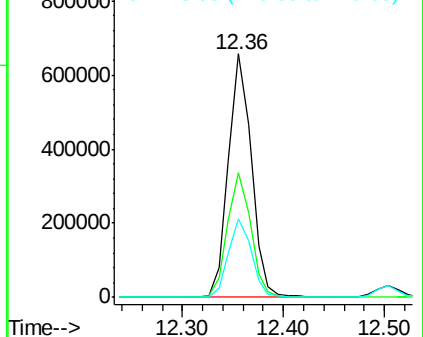
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 1046626
Ion Ratio Lower Upper
117 100
82 51.2 36.2 54.2
119 32.1 26.2 39.4

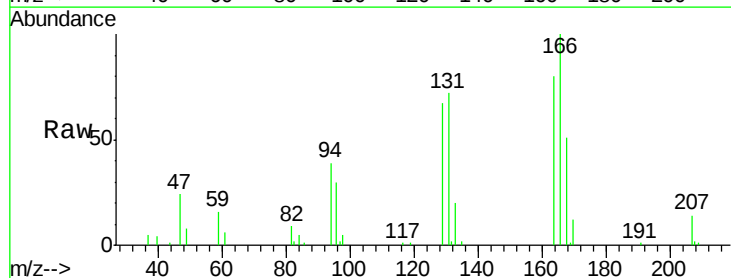


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

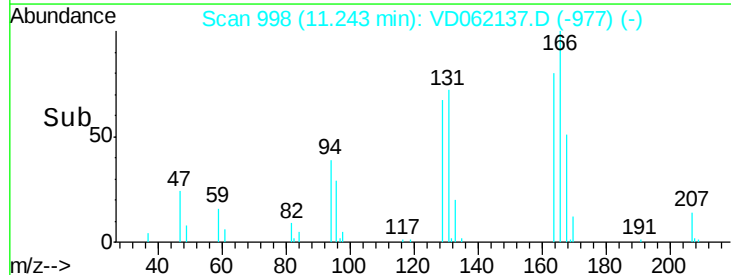
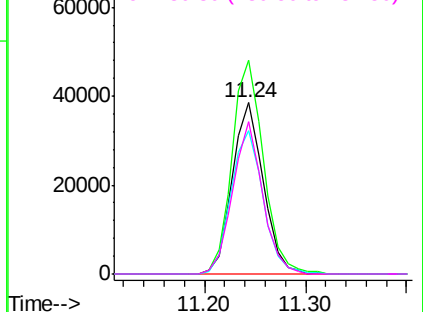


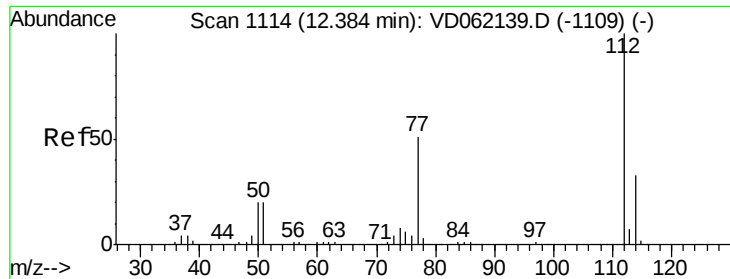
#64
Tetrachloroethene
Concen: 9.646 ug/l
RT: 11.24 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion:164 Resp: 82137
Ion Ratio Lower Upper
164 100
166 124.9 101.5 152.3
129 83.9 74.6 112.0
131 89.4 72.6 108.8



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

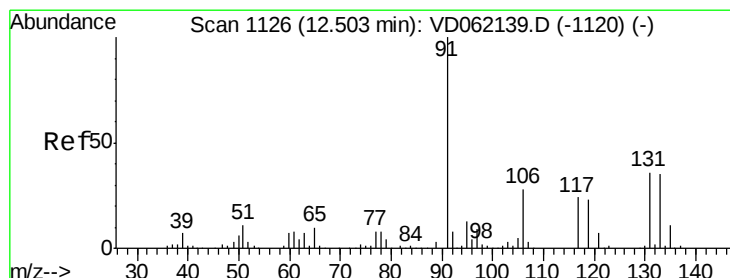
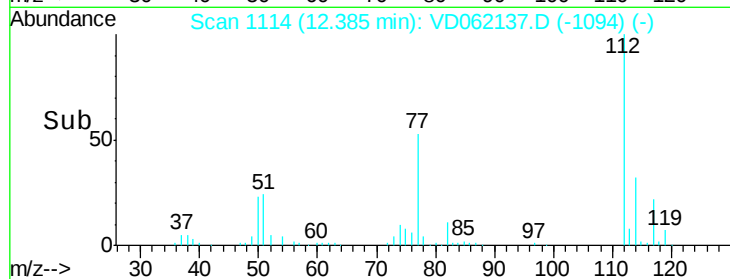
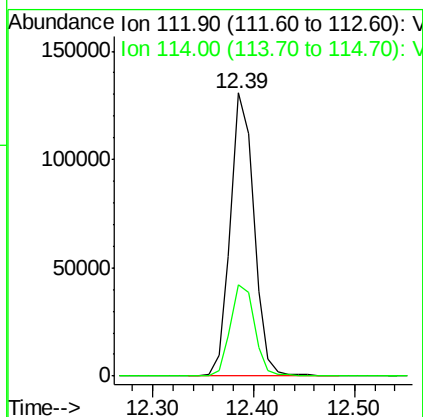
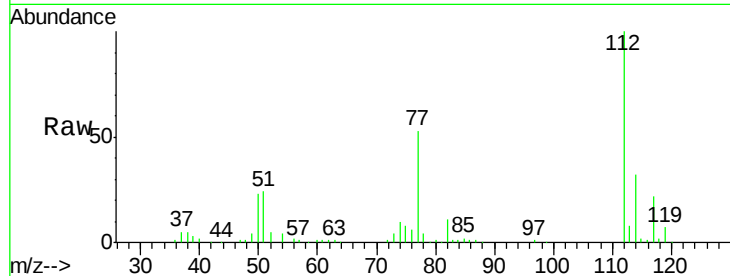




#65
Chlorobenzene
Concen: 11.055 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

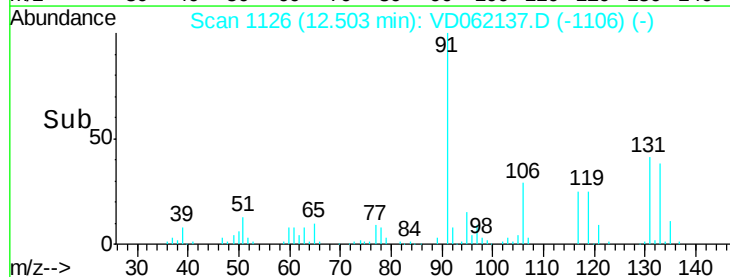
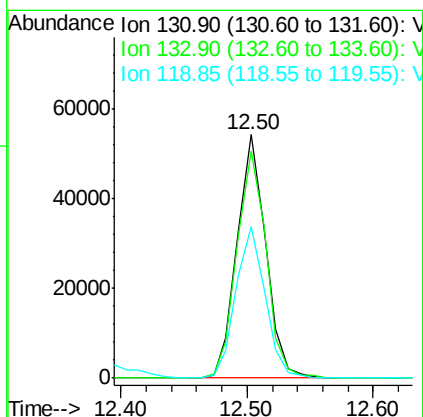
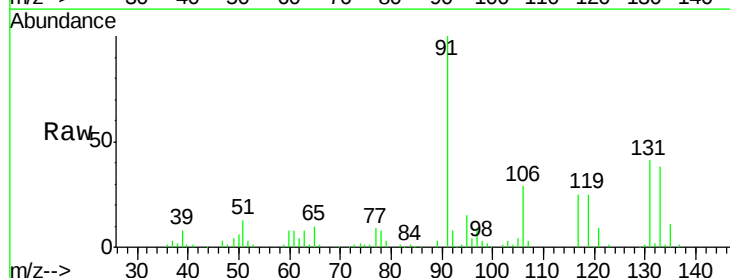
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 212381
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 9.397 ug/l
RT: 12.50 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion:131 Resp: 85408
Ion Ratio Lower Upper
131 100
133 93.1 48.6 145.8
119 62.1 34.7 104.1

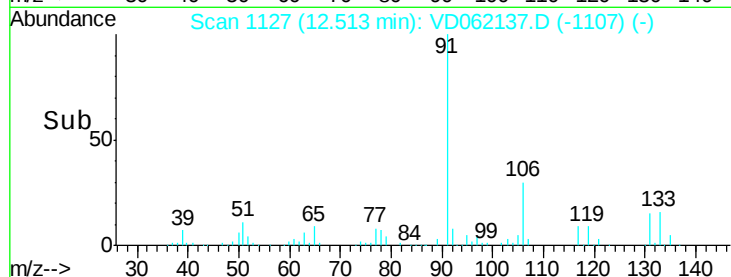
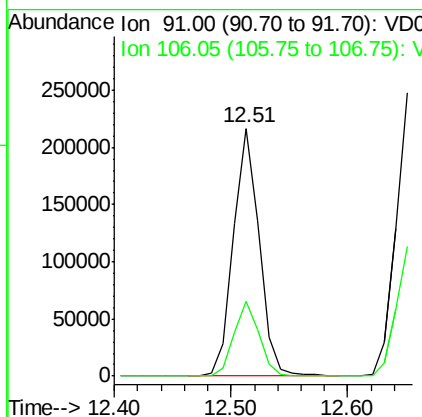
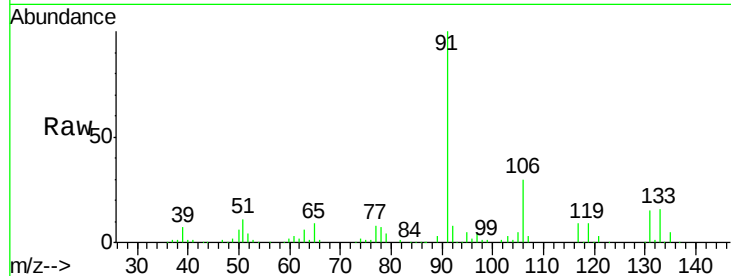




#67
Ethyl Benzene
Concen: 9.609 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

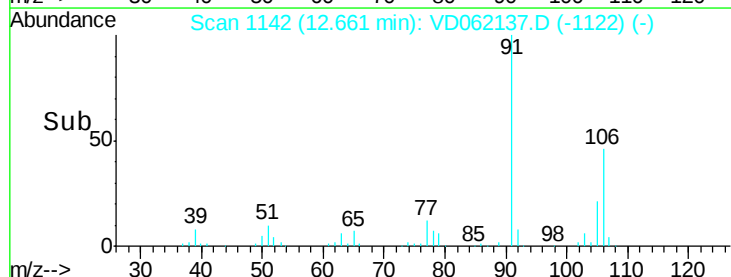
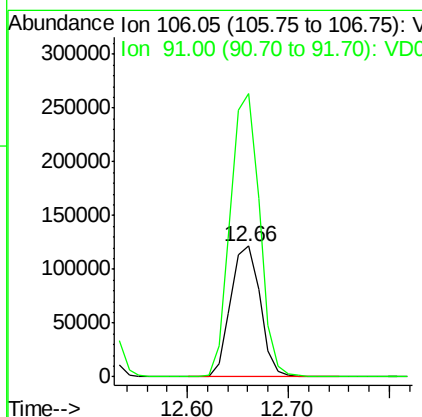
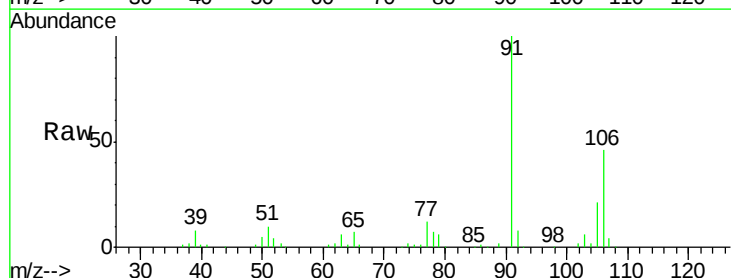
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

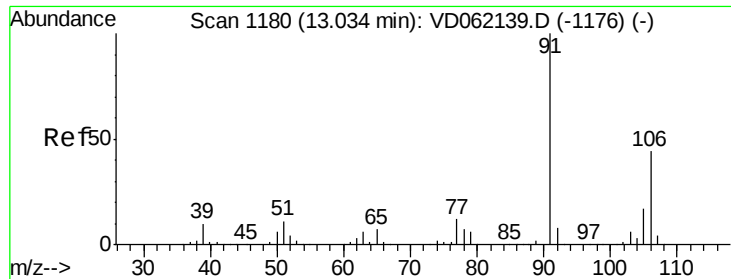
Tot Ion: 91 Resp: 331953
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 19.083 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion: 106 Resp: 247991
Ion Ratio Lower Upper
106 100
91 216.2 164.0 246.0

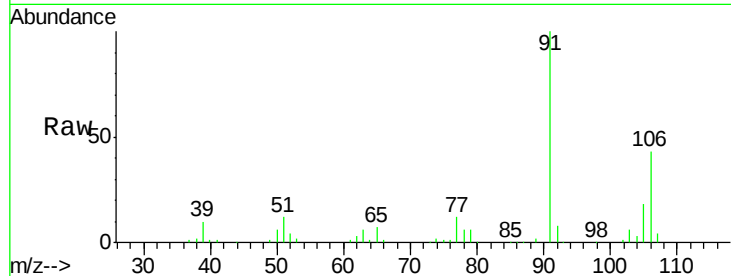




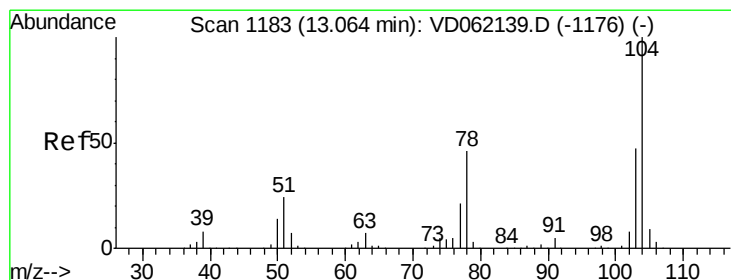
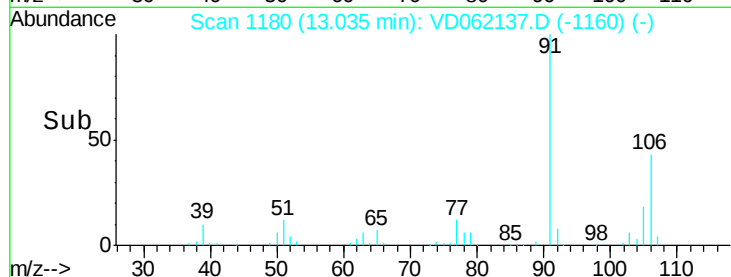
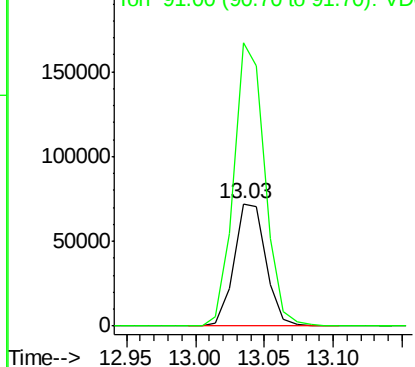
#69
o-Xylene
Concen: 9.977 ug/l
RT: 13.03 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 116380
Ion Ratio Lower Upper
106 100
91 231.4 106.7 319.9

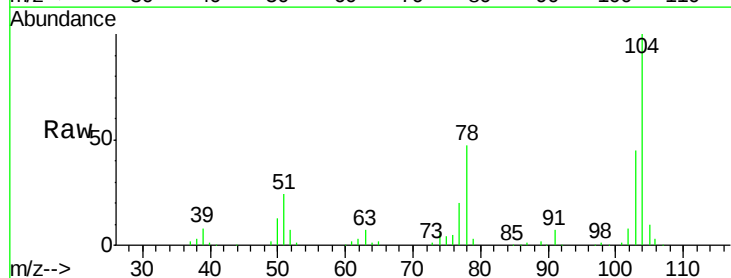


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

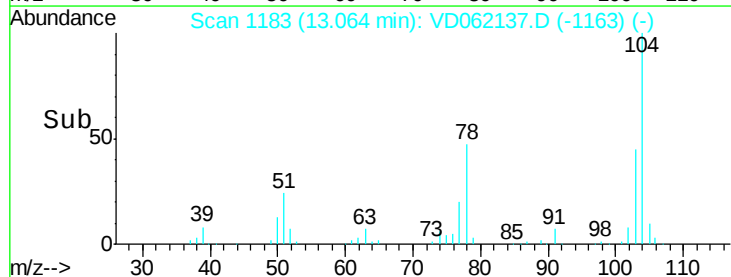
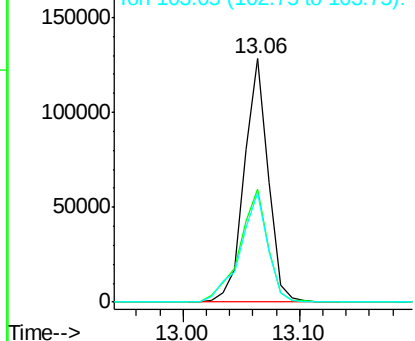


#70
Styrene
Concen: 9.529 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion:104 Resp: 181714
Ion Ratio Lower Upper
104 100
78 46.6 35.4 53.2
103 44.6 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

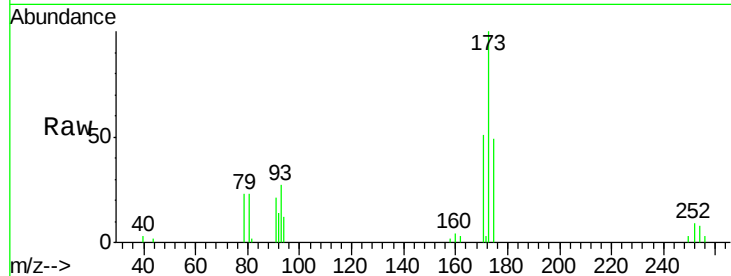




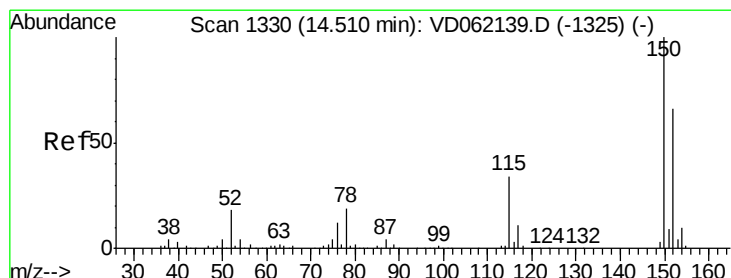
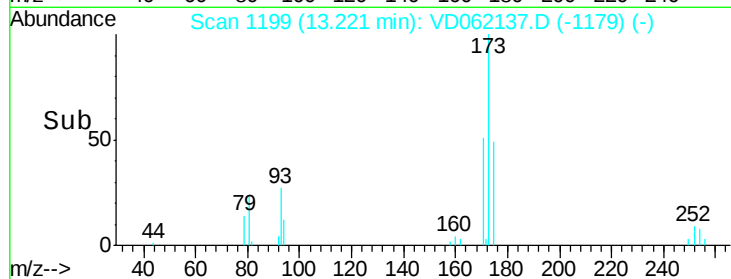
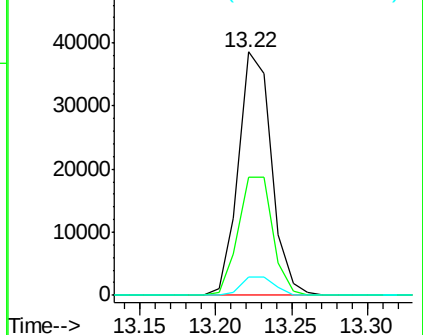
#71
Bromoform
Concen: 9.260 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:173 Resp: 58383
Ion Ratio Lower Upper
173 100
175 48.6 24.4 73.4
254 7.5 5.4 8.2

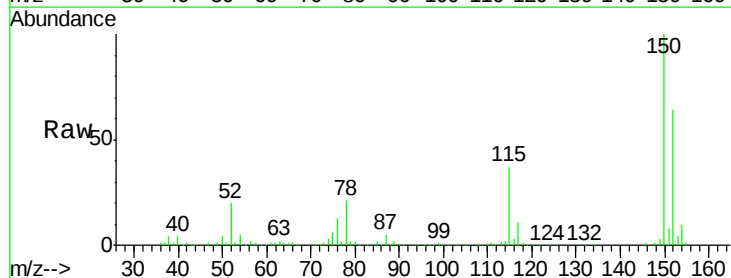


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

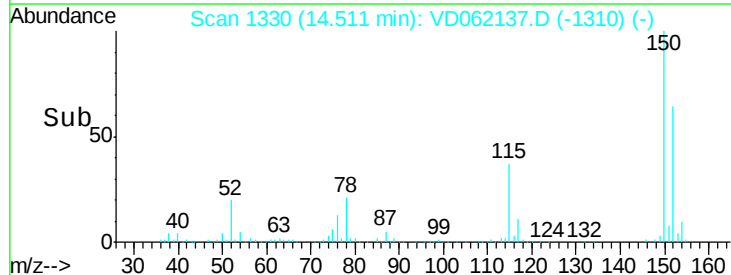
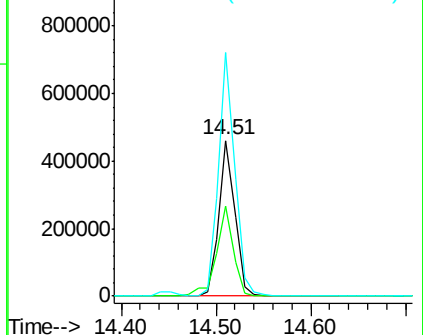


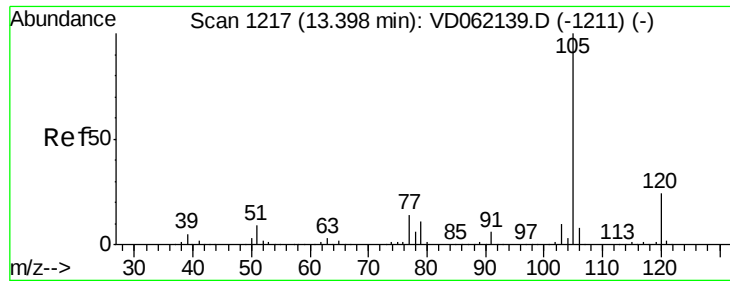
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062137.D
Acq: 7 May 2019 12:06

Tgt Ion:152 Resp: 539261
Ion Ratio Lower Upper
152 100
115 58.0 30.9 92.7
150 156.6 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: 10.214 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

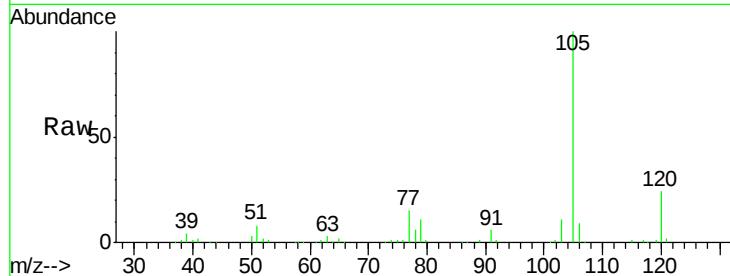
VSTDIC010

Tot Ion:105 Resp: 328583

Ion Ratio Lower Upper

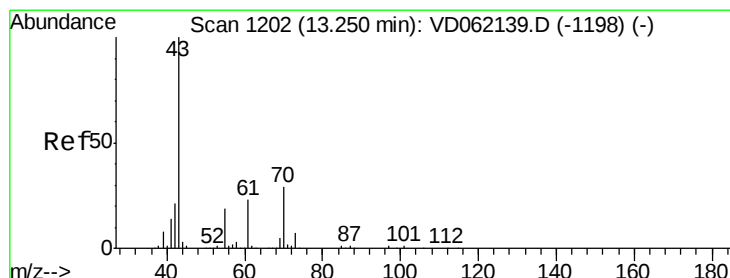
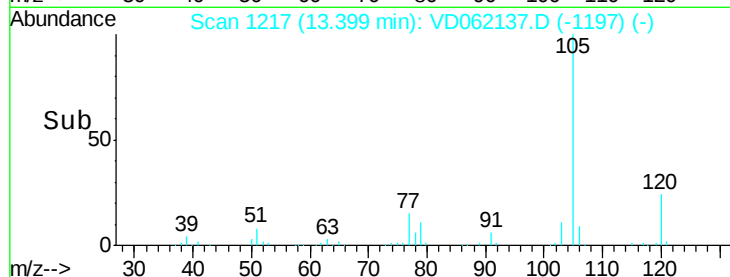
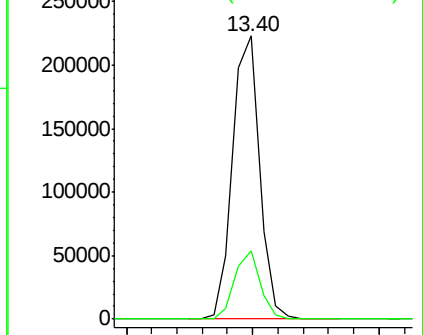
105 100

120 23.9 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: 9.903 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Tgt Ion: 43 Resp: 82302

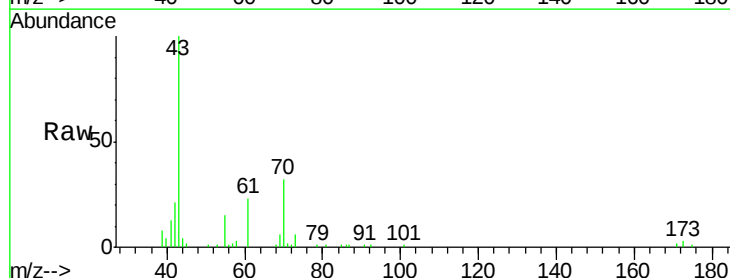
Ion Ratio Lower Upper

43 100

70 31.6 24.2 36.4

55 14.8 16.0 24.0#

61 22.6 21.6 32.4

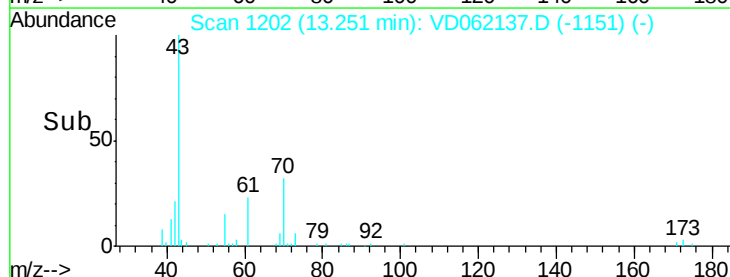
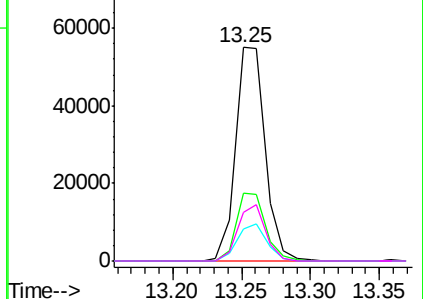


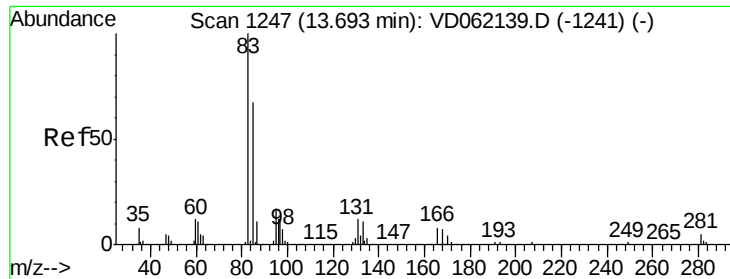
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 10.433 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

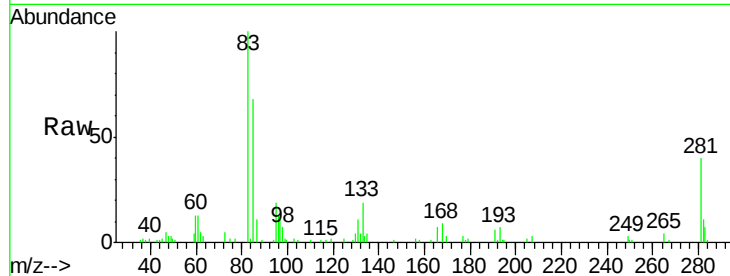
Tot Ion: 83 Resp: 60161

Ion Ratio Lower Upper

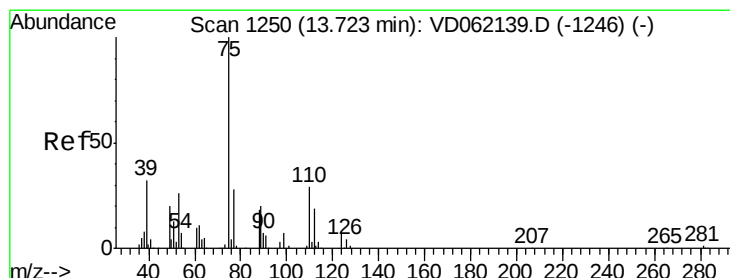
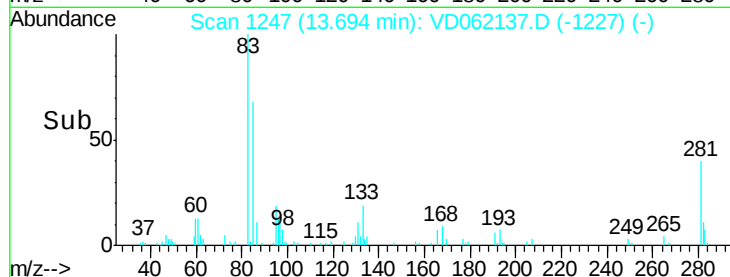
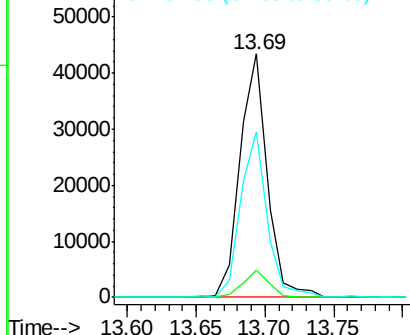
83 100

131 11.2 5.0 14.9

85 67.9 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 11.092 ug/l

RT: 13.72 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062137.D

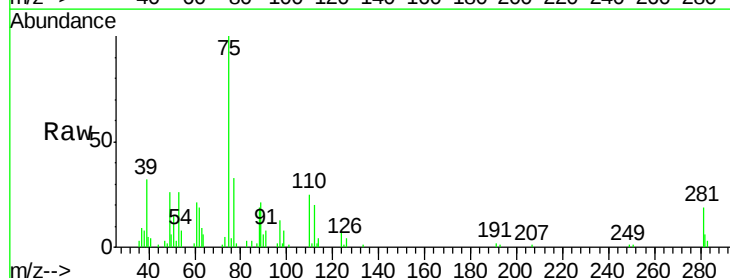
Acq: 7 May 2019 12:06

Tgt Ion: 75 Resp: 66023

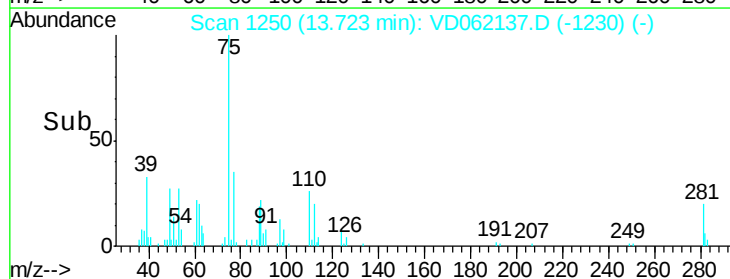
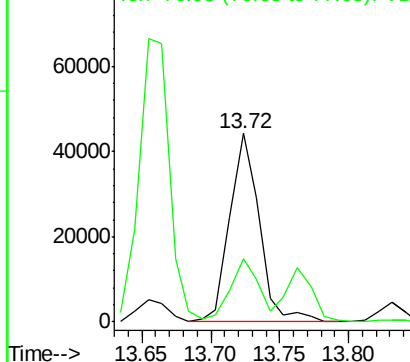
Ion Ratio Lower Upper

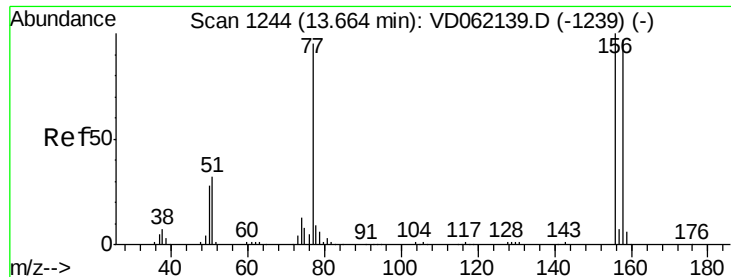
75 100

77 33.4 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: 10.943 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

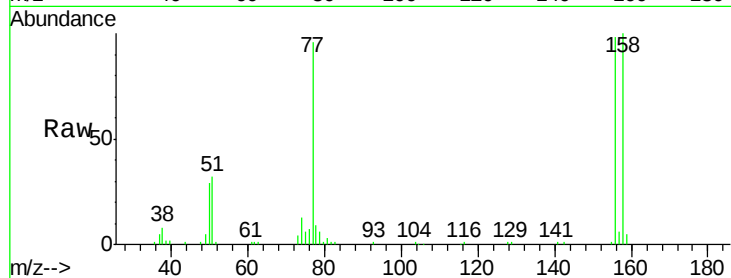
VSTDIC010

Tot Ion:156 Resp: 91657

Ion	Ratio	Lower	Upper
156	100		
77	98.2	53.1	159.4
158	102.0	49.4	148.0

77 98.2 53.1 159.4

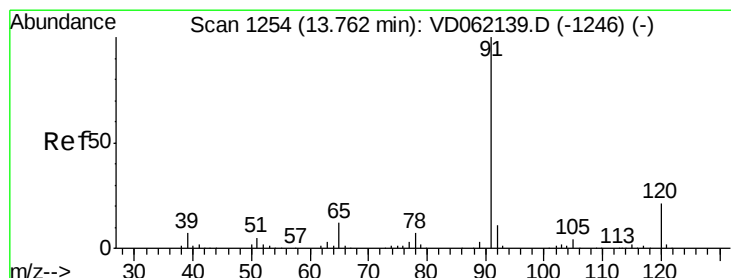
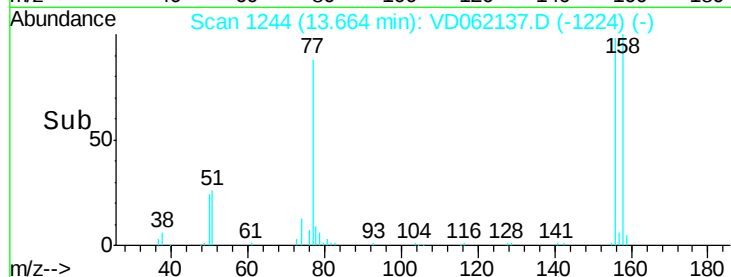
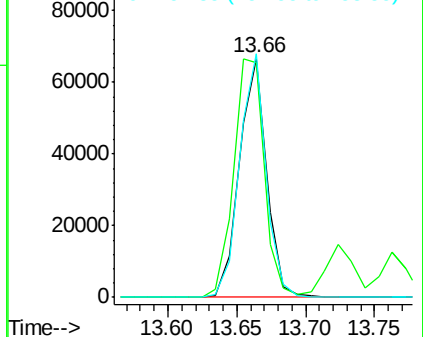
158 102.0 49.4 148.0



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: 11.492 ug/l

RT: 13.76 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062137.D

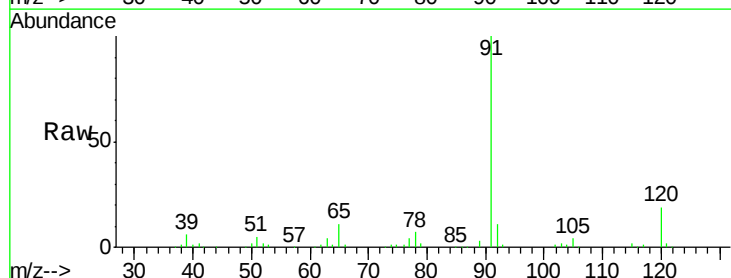
Acq: 7 May 2019 12:06

Tgt Ion: 91 Resp: 418542

Ion	Ratio	Lower	Upper
91	100		
120	18.8	11.1	33.1

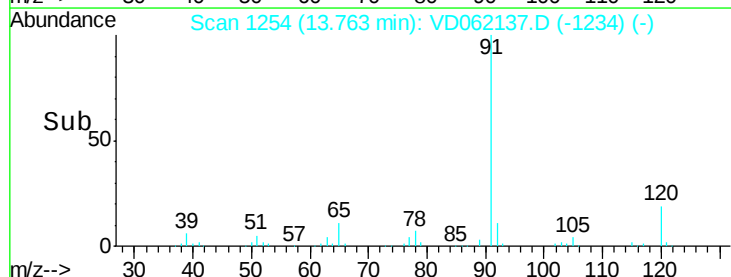
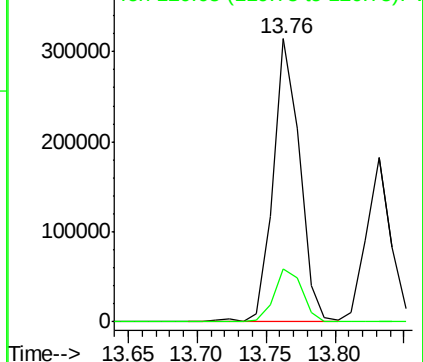
91 100

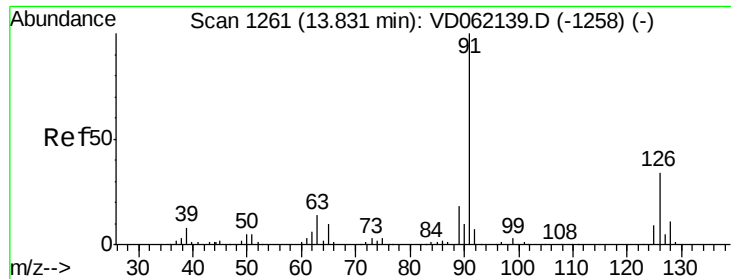
120 18.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 10.553 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

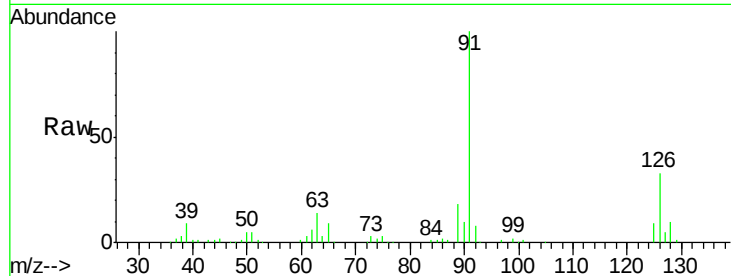
VSTDIC010

Tot Ion: 91 Resp: 226950

Ion Ratio Lower Upper

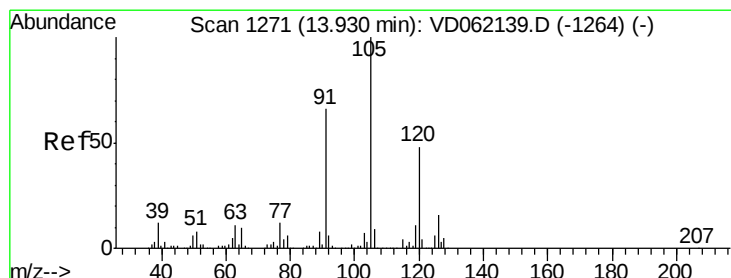
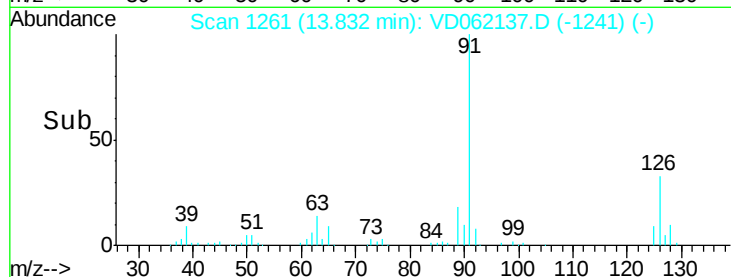
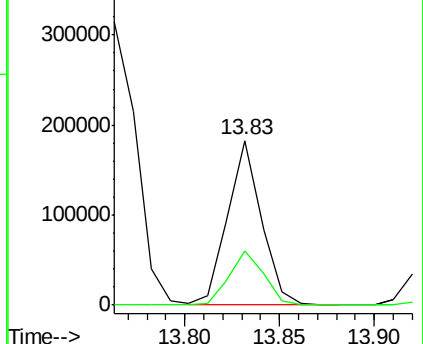
91 100

126 32.9 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD062137.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062137.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.914 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062137.D

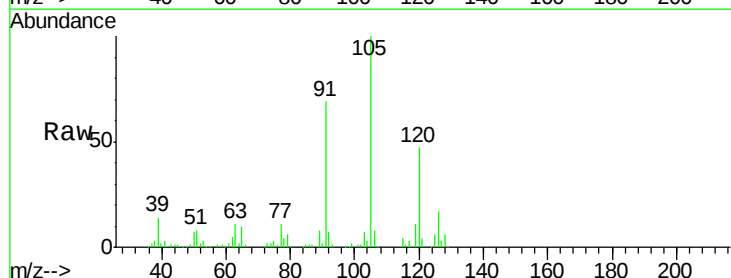
Acq: 7 May 2019 12:06

Tgt Ion:105 Resp: 288015

Ion Ratio Lower Upper

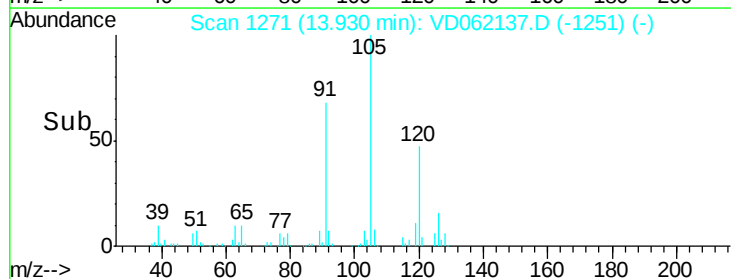
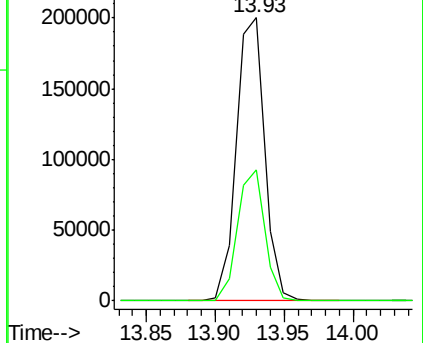
105 100

120 46.5 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD062137.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD062137.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 9.130 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

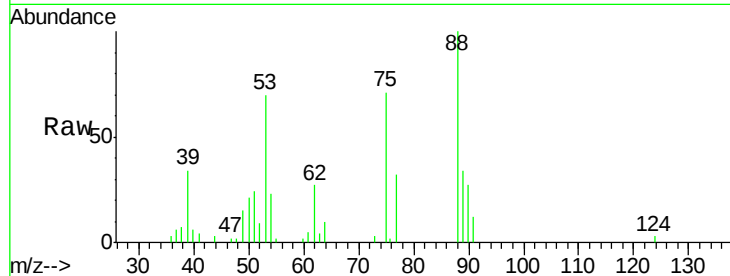
Tot Ion: 75 Resp: 16938

Ion Ratio Lower Upper

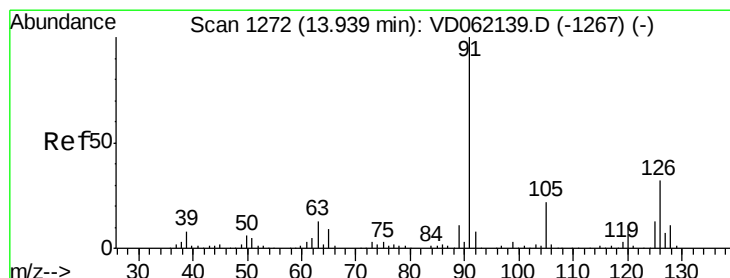
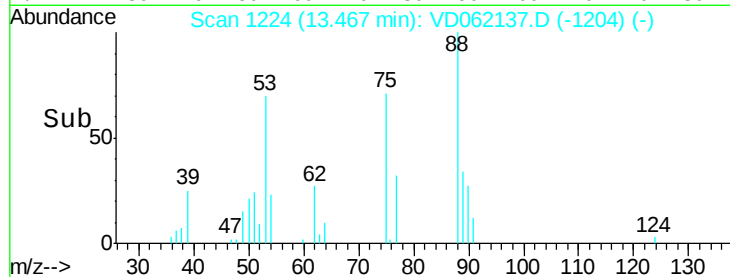
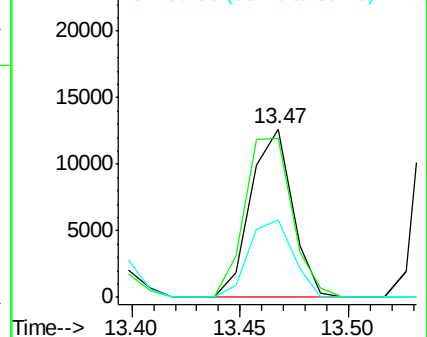
75 100

53 94.7 65.8 98.8

89 45.8 35.0 52.6



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



#82

4-Chlorotoluene

Concen: 11.277 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062137.D

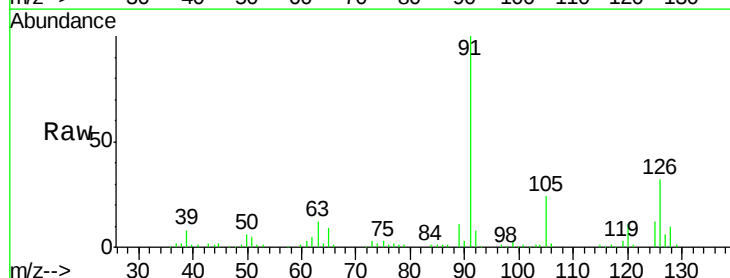
Acq: 7 May 2019 12:06

Tgt Ion: 91 Resp: 286322

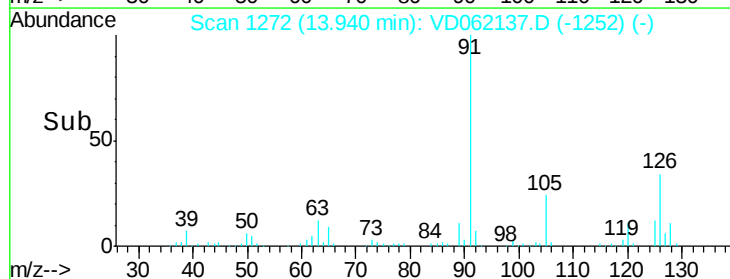
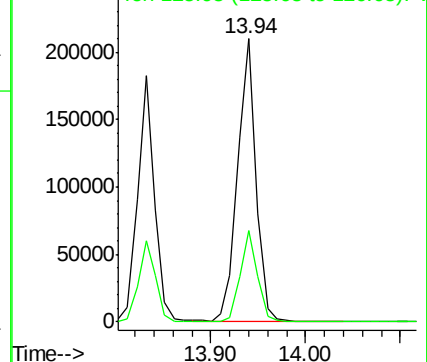
Ion Ratio Lower Upper

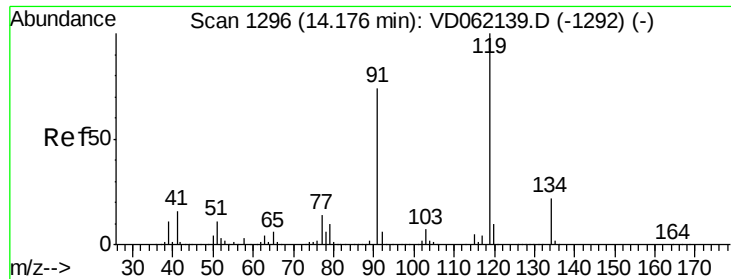
91 100

126 32.4 19.1 57.5



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

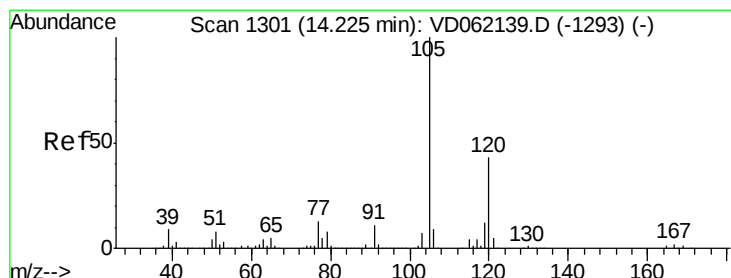
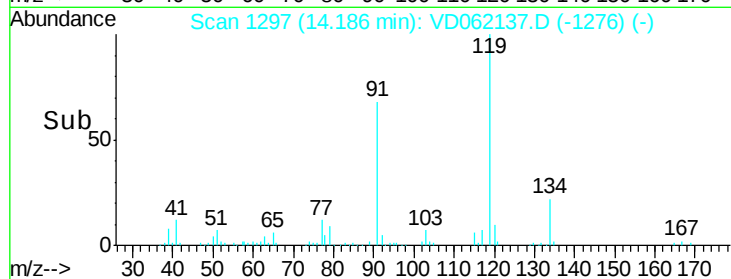
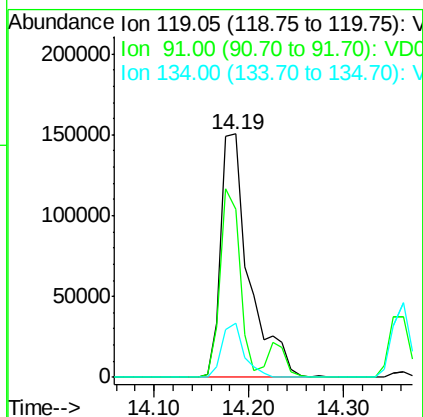
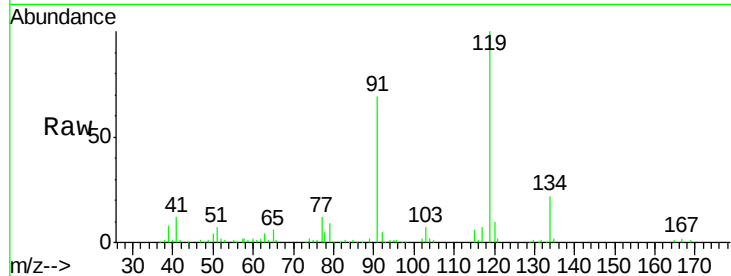




#83
 tert-Butylbenzene
 Concen: 10.249 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

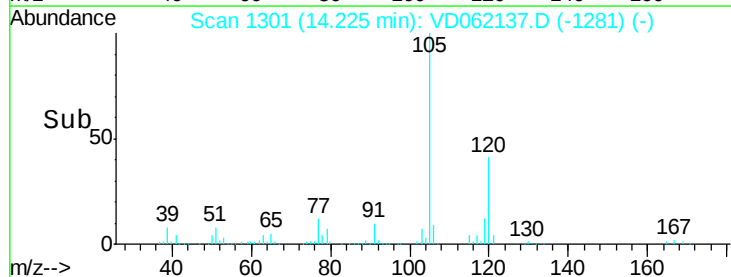
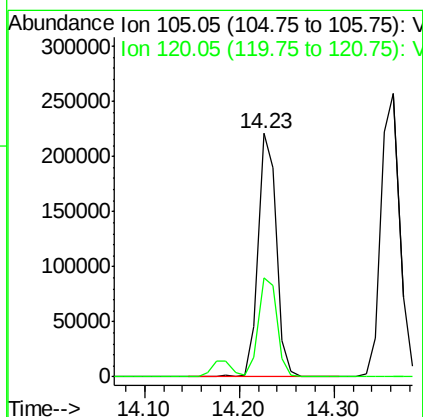
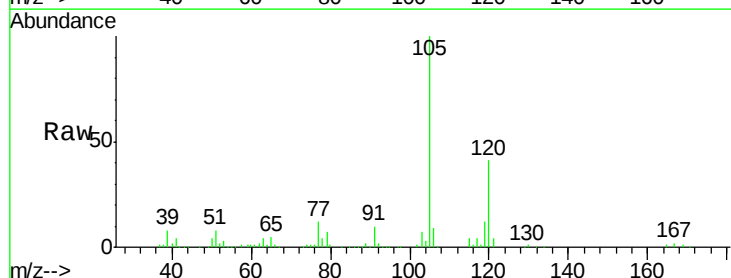
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

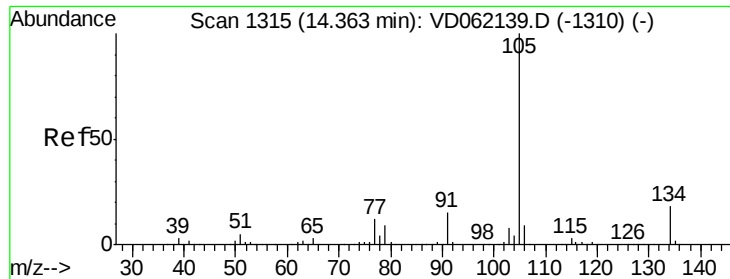
Tot Ion:119 Resp: 313647
 Ion Ratio Lower Upper
 119 100
 91 69.2 34.2 102.6
 134 22.2 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 11.112 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Tgt Ion:105 Resp: 295395
 Ion Ratio Lower Upper
 105 100
 120 40.6 23.1 69.2

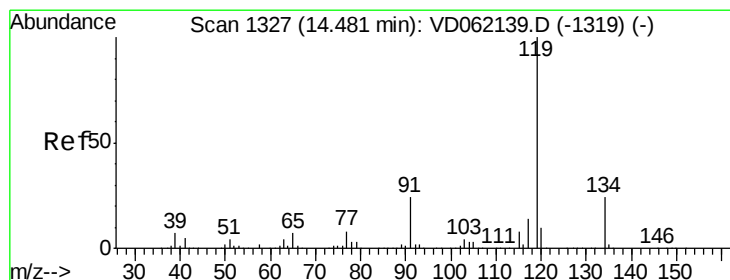
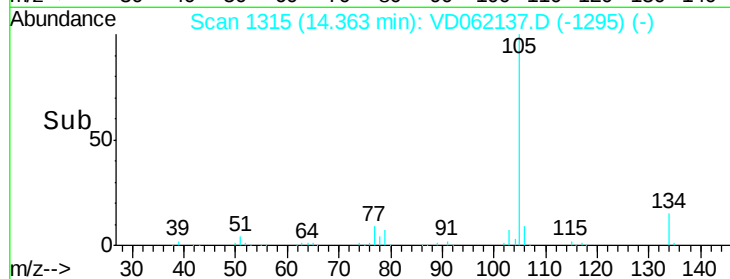
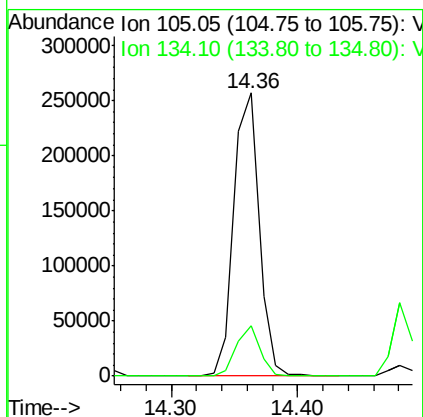
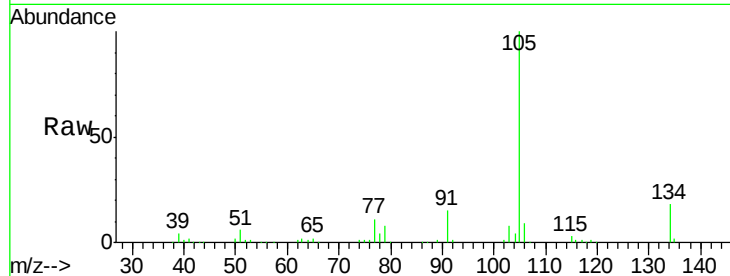




#85
 sec-Butylbenzene
 Concen: 10.892 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

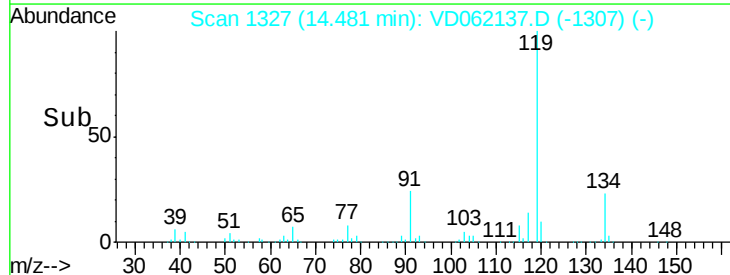
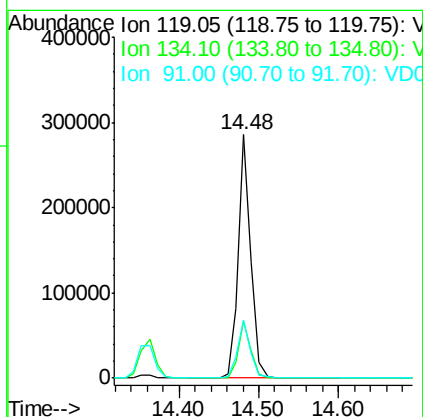
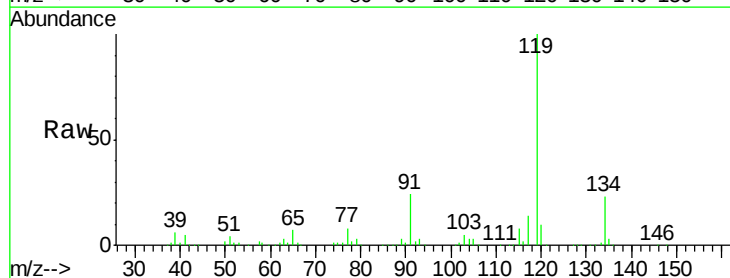
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:105 Resp: 356779
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 10.089 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Tgt Ion:119 Resp: 315225
 Ion Ratio Lower Upper
 119 100
 134 23.3 12.8 38.3
 91 23.9 10.7 32.1

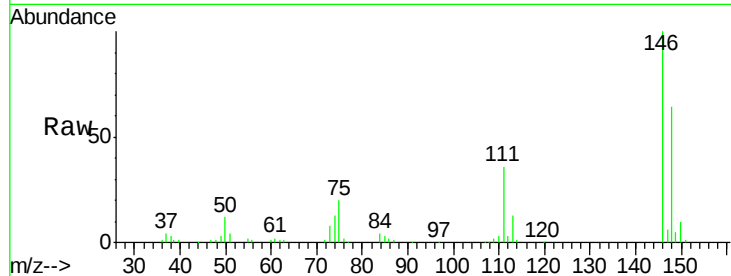




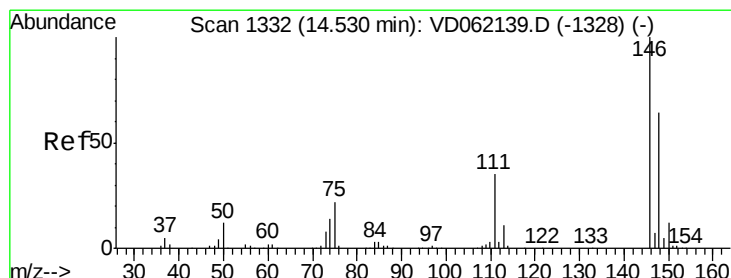
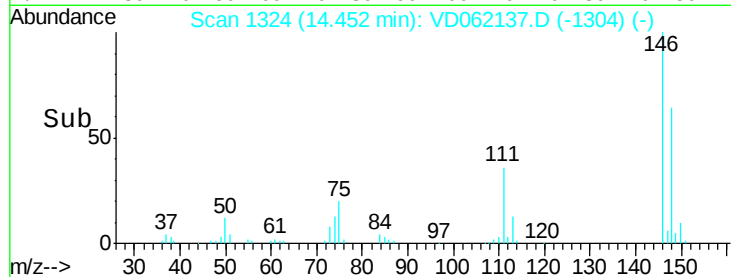
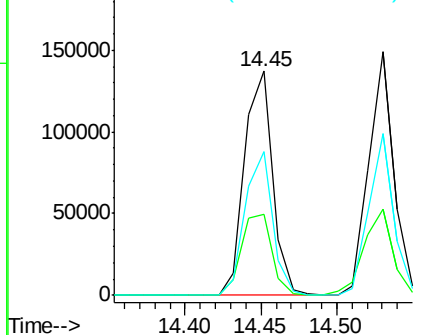
#87
 1,3-Dichlorobenzene
 Concen: 11.056 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 178213
 Ion Ratio Lower Upper
 146 100
 111 35.9 20.0 60.0
 148 64.1 31.8 95.4

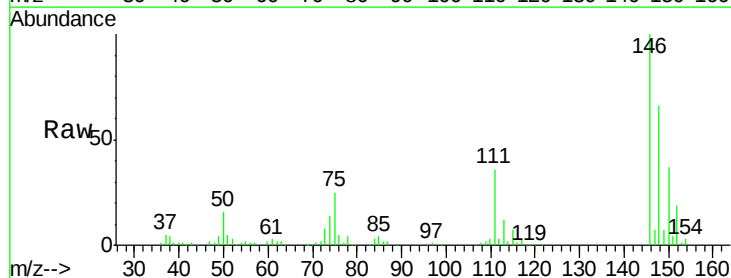


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

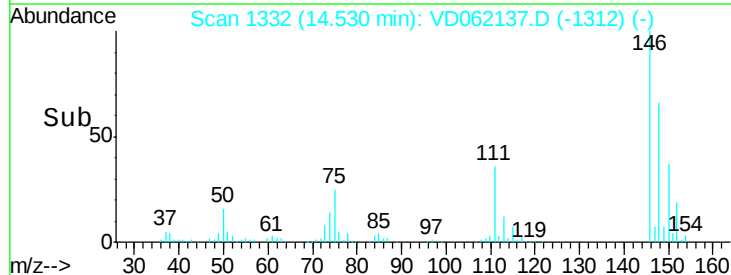
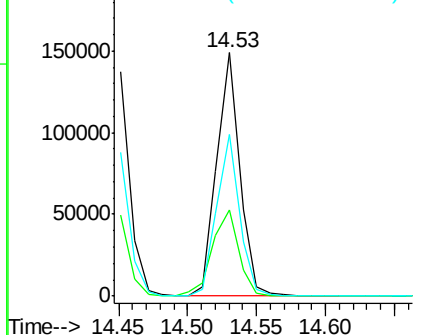


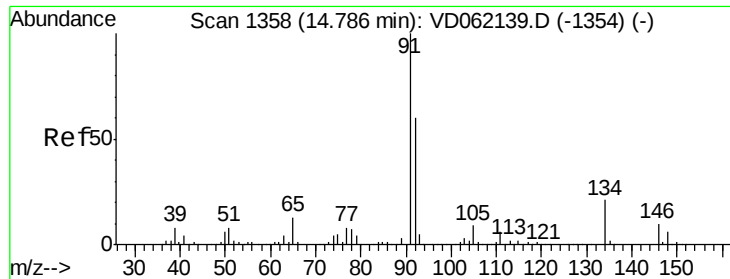
#88
 1,4-Dichlorobenzene
 Concen: 11.273 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Tgt Ion:146 Resp: 172298
 Ion Ratio Lower Upper
 146 100
 111 35.6 20.2 60.5
 148 66.5 32.0 96.2



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





#89

n-Butylbenzene

Concen: 11.816 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

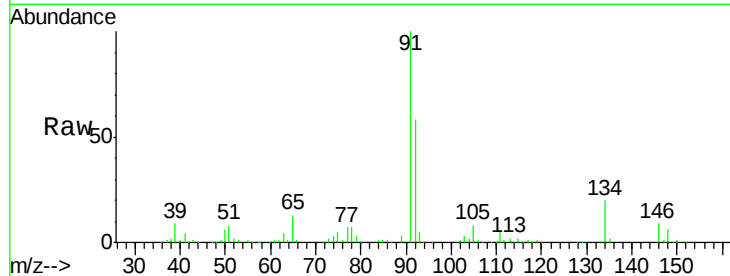
Tot Ion: 91 Resp: 298928

Ion Ratio Lower Upper

91 100

92 58.2 30.3 91.0

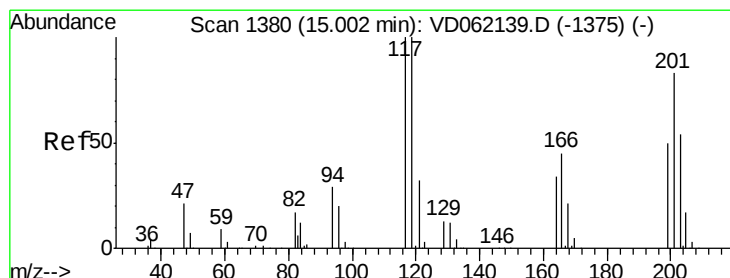
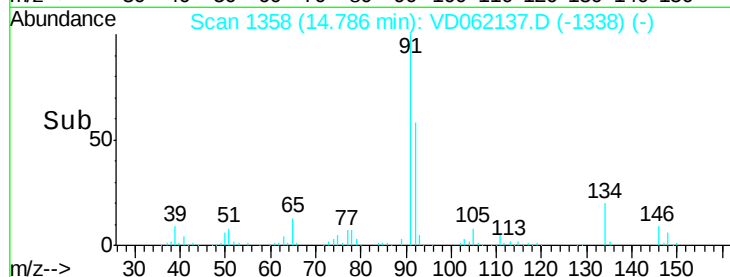
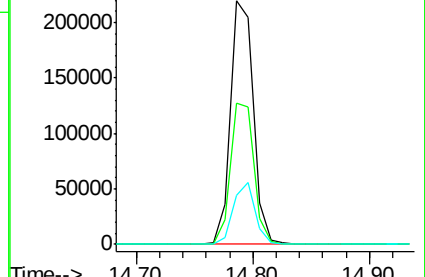
134 20.3 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 10.117 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062137.D

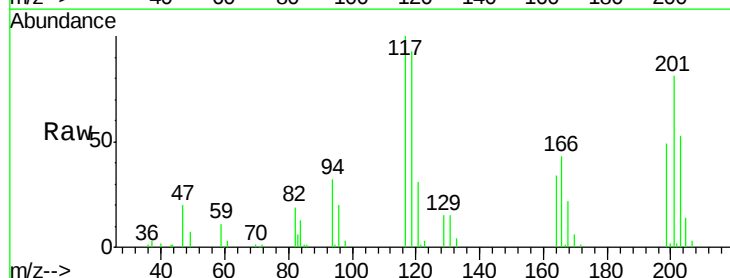
Acq: 7 May 2019 12:06

Tgt Ion: 117 Resp: 82382

Ion Ratio Lower Upper

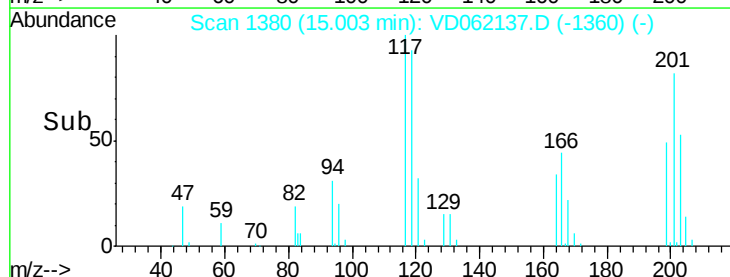
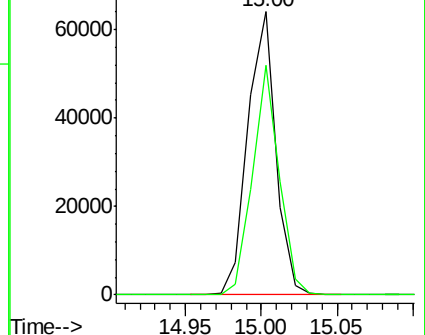
117 100

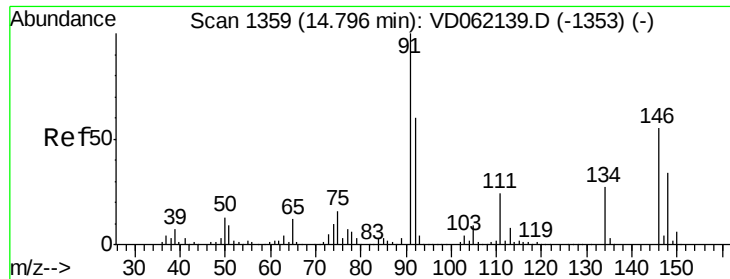
201 81.3 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 12.303 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

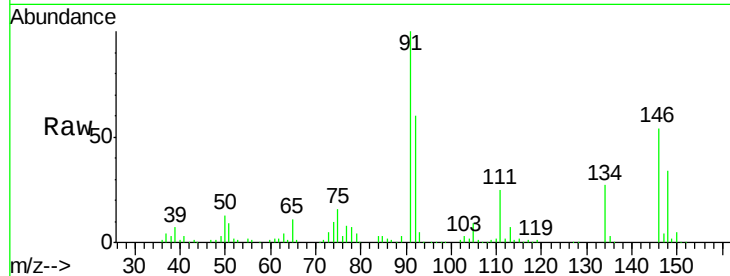
Tot Ion:146 Resp: 154654

Ion Ratio Lower Upper

146 100

111 46.3 20.0 59.9

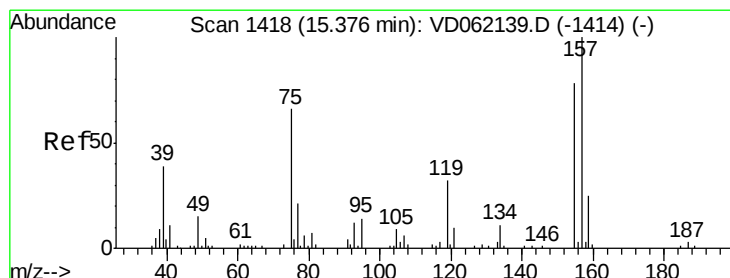
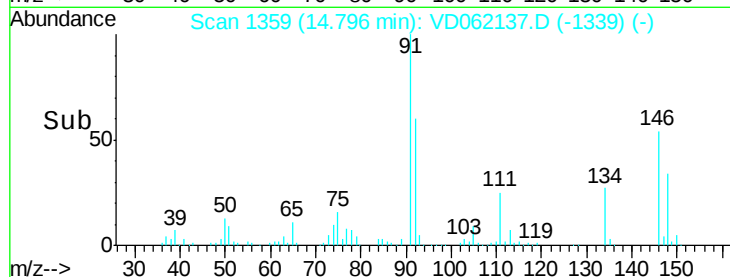
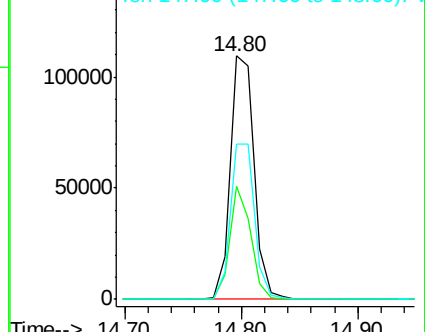
148 63.6 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.437 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

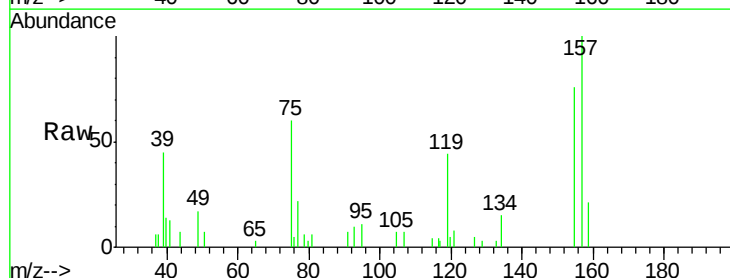
Tgt Ion: 75 Resp: 10160

Ion Ratio Lower Upper

75 100

155 126.2 55.3 165.8

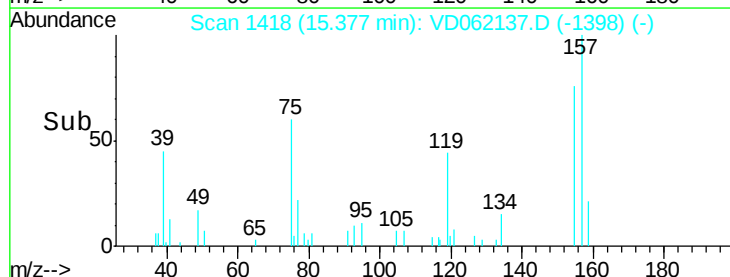
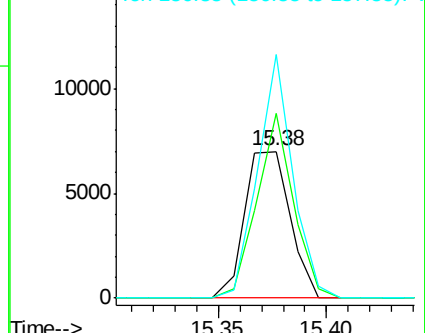
157 165.9 67.8 203.2

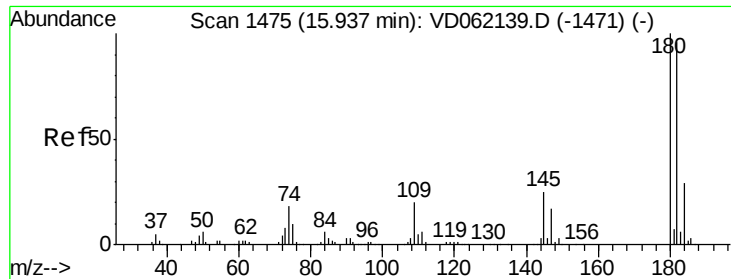


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

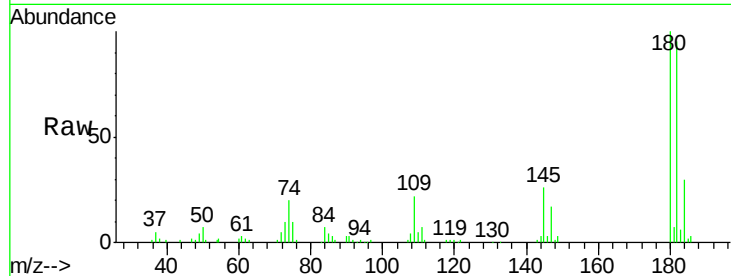




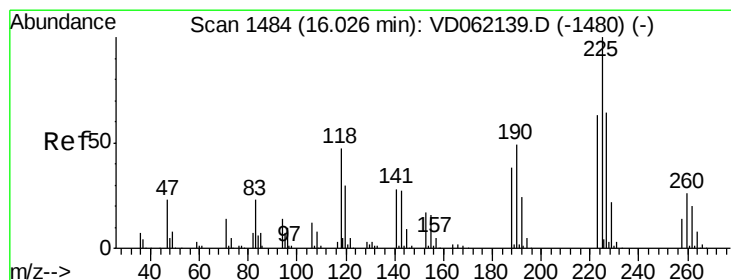
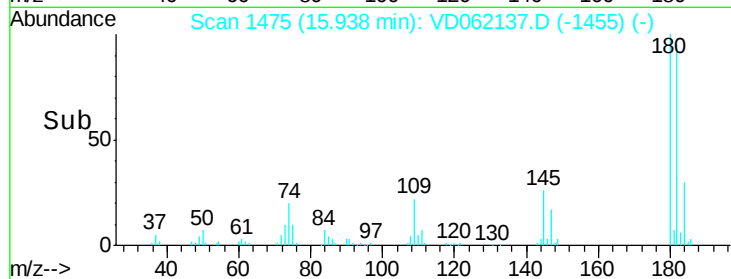
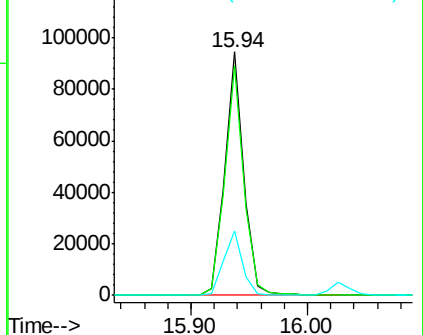
#93
 1,2,4-Trichlorobenzene
 Concen: 11.496 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 105341
 Ion Ratio Lower Upper
 180 100
 182 94.5 49.3 147.8
 145 26.2 16.2 48.6

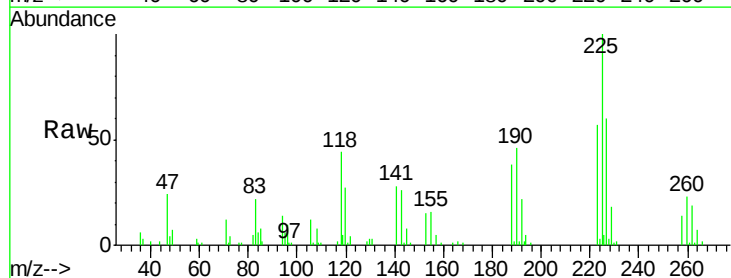


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

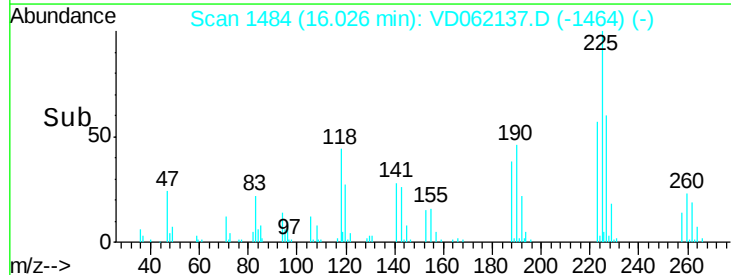
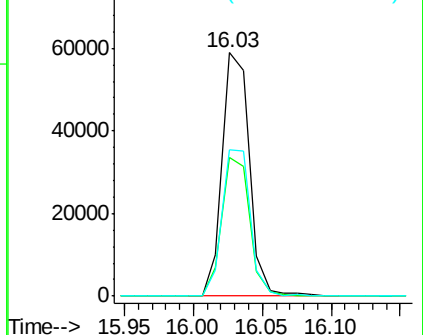


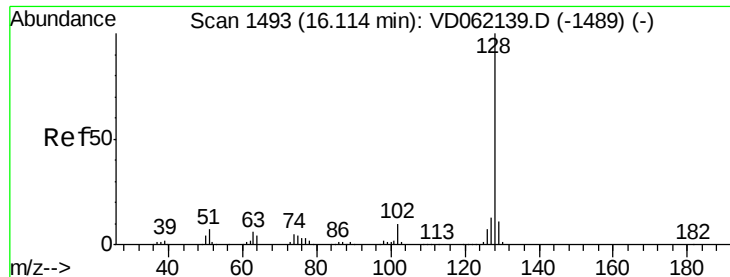
#94
 Hexachlorobutadiene
 Concen: 11.356 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062137.D
 Acq: 7 May 2019 12:06

Tgt Ion:225 Resp: 80634
 Ion Ratio Lower Upper
 225 100
 223 57.2 30.6 92.0
 227 60.3 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 10.157 ug/l

RT: 16.11 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

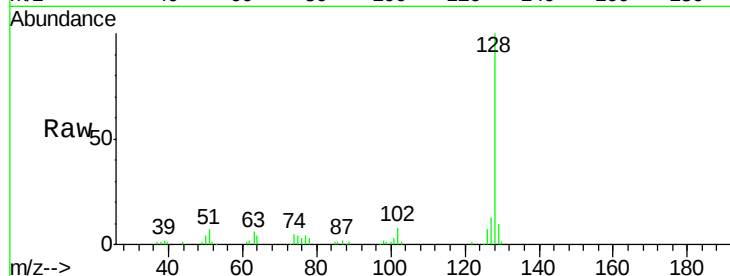
Tot Ion:128 Resp: 139311

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.8

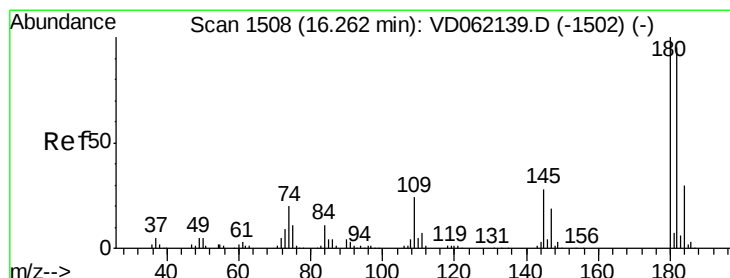
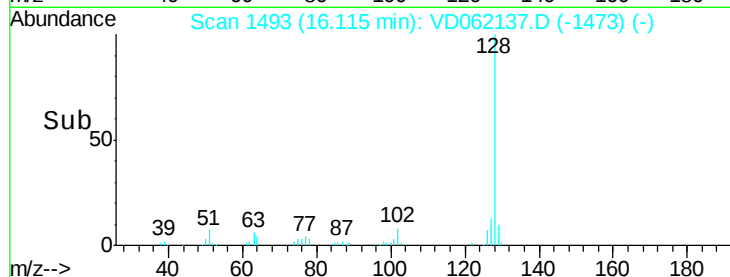
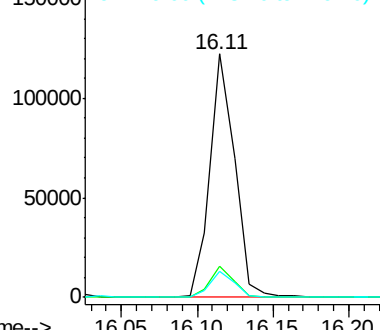
129 10.5 8.8 13.2



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: 10.192 ug/l

RT: 16.26 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062137.D

Acq: 7 May 2019 12:06

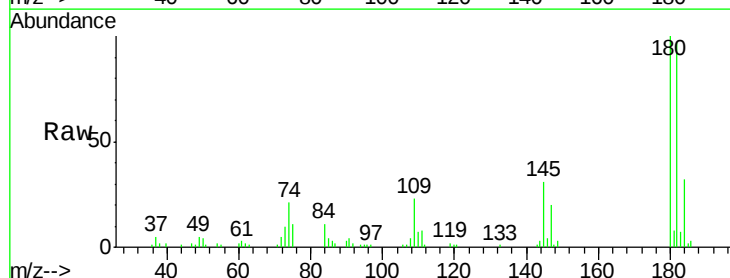
Tgt Ion:180 Resp: 61633

Ion Ratio Lower Upper

180 100

182 97.1 47.0 141.0

145 30.6 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

