

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\
 Data File : VD062597.D
 Acq On : 4 Jun 2019 13:56
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 05 03:47:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	864540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1238404	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	986696	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	530165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	516486	50.95	ug/l	-0.02
Spiked Amount			Recovery	=	101.90%	
35) Dibromofluoromethane	6.93	113	538808	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	10.40	98	1184545	47.91	ug/l	-0.02
Spiked Amount			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	13.55	95	532664	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	531197	52.976	ug/l	94
3) Chloromethane	1.76	50	421751	43.431	ug/l	99
4) Vinyl Chloride	1.86	62	413569	53.995	ug/l	93
5) Bromomethane	2.16	94	208591	83.861	ug/l	99
6) Chloroethane	2.28	64	222286	61.888	ug/l	99
7) Trichlorofluoromethane	2.54	101	957511	59.155	ug/l	95
8) Diethyl Ether	2.87	74	127525	61.416	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	559779	58.563	ug/l	94
10) Methyl Iodide	3.31	142	717191	66.126	ug/l	98
11) Tert butyl alcohol	4.07	59	128854	298.020	ug/l #	88
12) 1,1-Dichloroethene	3.13	96	412247	60.966	ug/l	94
13) Acrolein	3.04	56	49526	262.890	ug/l	91
14) Allyl chloride	3.62	41	626414	59.305	ug/l	98
15) Acrylonitrile	4.20	53	287096	277.765	ug/l	98
16) Acetone	3.23	43	566240	284.298	ug/l	98
17) Carbon Disulfide	3.37	76	1230505	55.983	ug/l	99
18) Methyl Acetate	3.65	43	163190	50.200	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	948441	57.901	ug/l	99
20) Methylene Chloride	3.82	84	402779	54.630	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	432246	56.329	ug/l	95
22) Diisopropyl ether	5.12	45	1274337	59.056	ug/l	91
23) Vinyl Acetate	5.06	43	3945657	301.519	ug/l	97
24) 1,1-Dichloroethane	4.99	63	795487	57.126	ug/l	97
25) 2-Butanone	6.07	43	554834	295.787	ug/l	99
26) 2,2-Dichloropropane	6.02	77	936779	60.640	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	463320	58.739	ug/l	98
28) Bromochloromethane	6.44	49	252757	52.529	ug/l	98
29) Tetrahydrofuran	6.46	42	237996	283.242	ug/l	96
30) Chloroform	6.66	83	983966	58.640	ug/l	91
31) Cyclohexane	6.95	56	531641	56.469	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	1043902	59.778	ug/l	94
36) 1,1-Dichloropropene	7.14	75	693394	56.246	ug/l	94
37) Ethyl Acetate	6.18	43	255346	49.130	ug/l	99
38) Carbon Tetrachloride	7.11	117	1152644	62.800	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	576778	55.261	ug/l	96
40) Benzene	7.46	78	1312280	54.236	ug/l	100
41) Methacrylonitrile	6.46	41	338959	55.421	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	732116	54.321	ug/l	98
43) Isopropyl Acetate	9.24	43	365265	56.467	ug/l #	97
44) Trichloroethene	8.54	130	533534	55.196	ug/l	92
45) 1,2-Dichloropropane	8.94	63	321676	54.227	ug/l	93
46) Dibromomethane	9.05	93	287475	57.695	ug/l	95
47) Bromodichloromethane	9.37	83	764102	55.657	ug/l	99
48) Methyl methacrylate	9.11	41	239735	55.644	ug/l	95
49) 1,4-Dioxane	9.07	88	42138	1204.135	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	1184342	262.431	ug/l	99
52) Toluene	10.50	92	850126	51.516	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	634656	54.715	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	679304	56.330	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	282166	52.075	ug/l	97
56) Ethyl methacrylate	11.04	69	327289	56.671	ug/l	93
57) 1,3-Dichloropropane	11.41	76	463118	55.443	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	744357	251.307	ug/l	99
59) 2-Hexanone	11.53	43	917006	289.688	ug/l	97
60) Dibromochloromethane	11.68	129	572657	54.385	ug/l	97
61) 1,2-Dibromoethane	11.80	107	350278	53.738	ug/l	96
64) Tetrachloroethene	11.26	164	459760	52.711	ug/l	97
65) Chlorobenzene	12.39	112	1088648	56.636	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	523227	57.557	ug/l	98
67) Ethyl Benzene	12.52	91	2031645	57.688	ug/l	99
68) m/p-Xylenes	12.67	106	1441317	118.307	ug/l	99
69) o-Xylene	13.04	106	606538	52.190	ug/l	87
70) Styrene	13.07	104	1107920	56.146	ug/l	99
71) Bromoform	13.23	173	356267	55.828	ug/l #	92
73) Isopropylbenzene	13.40	105	2010197	57.514	ug/l	97
74) N-amyl acetate	13.27	43	496134	55.671	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	317019	57.191	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	380266	59.786	ug/l	97
77) Bromobenzene	13.67	156	523090	54.585	ug/l	98
78) n-propylbenzene	13.77	91	2343052	58.159	ug/l	99
79) 2-Chlorotoluene	13.84	91	1364699	58.421	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1734273	58.068	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	95953	52.648	ug/l #	82
82) 4-Chlorotoluene	13.95	91	1671392	59.766	ug/l	96
83) tert-Butylbenzene	14.18	119	1846054	55.394	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	1691264	55.573	ug/l	98
85) sec-Butylbenzene	14.37	105	1882810	53.333	ug/l	99
86) p-Isopropyltoluene	14.49	119	1975498	59.895	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	1024814	61.692	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	951794	57.175	ug/l	99
89) n-Butylbenzene	14.79	91	1824705	61.974	ug/l	99
90) Hexachloroethane	15.00	117	523953	59.877	ug/l	66
91) 1,2-Dichlorobenzene	14.80	146	868871	62.176	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	65906	57.339	ug/l	95

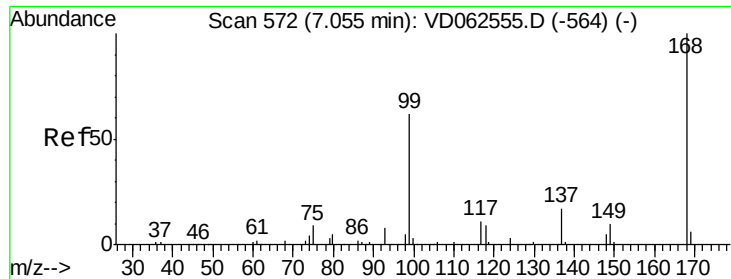
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	612242	54.792	ug/l	98
94) Hexachlorobutadiene	16.03	225	499699	60.579	ug/l	99
95) Naphthalene	16.12	128	839642	55.177	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	439992	52.714	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

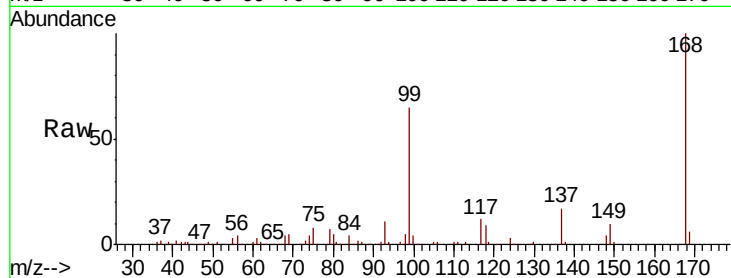
ClientSampleId :

Tot Ion:168 Resp: 864540

Ion Ratio Lower Upper

168 100

99 65.4 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

150000

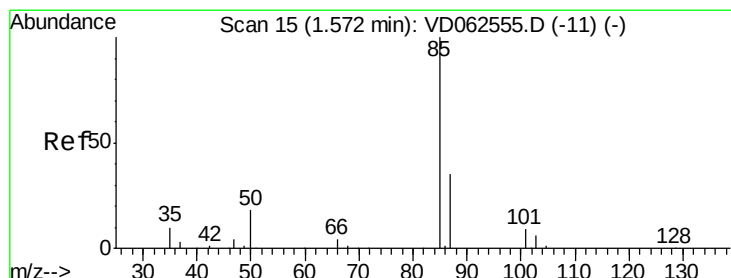
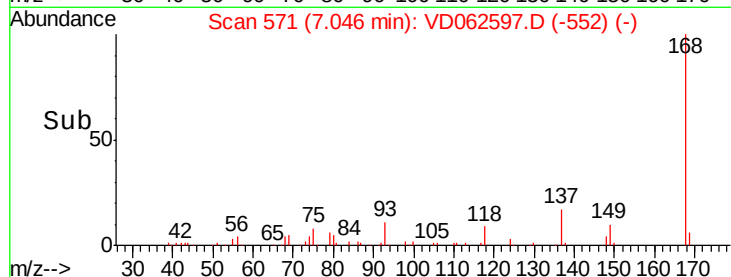
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 52.976 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062597.D

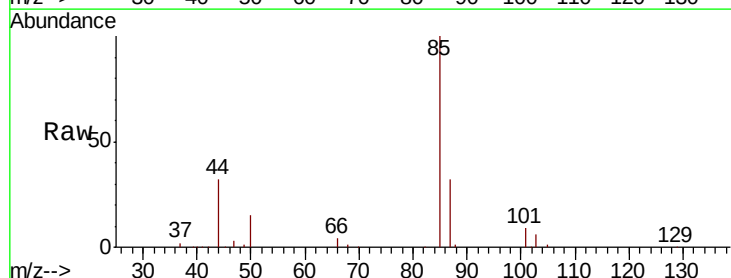
Acq: 4 Jun 2019 13:56

Tgt Ion: 85 Resp: 531197

Ion Ratio Lower Upper

85 100

87 31.5 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

250000

200000

150000

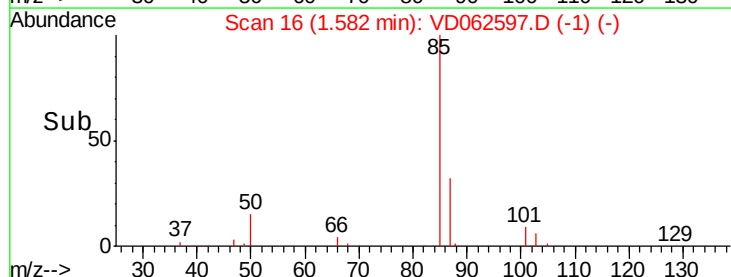
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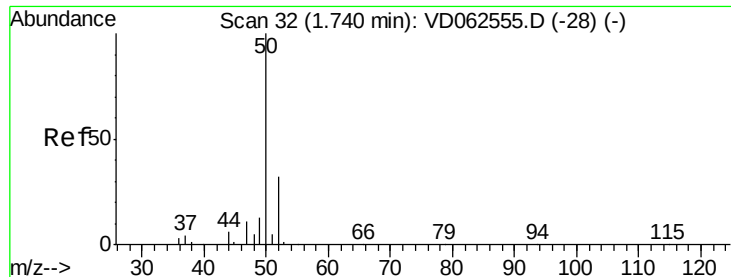
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.431 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

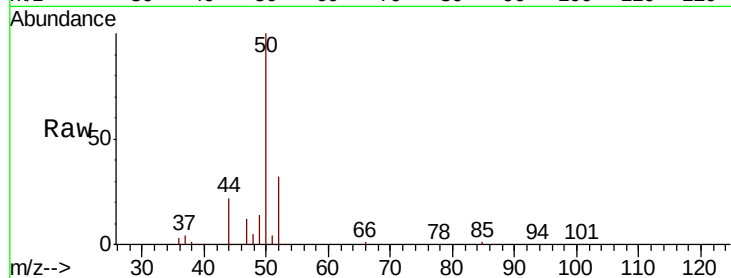
ClientSampleId :

Tot Ion: 50 Resp: 421751

Ion Ratio Lower Upper

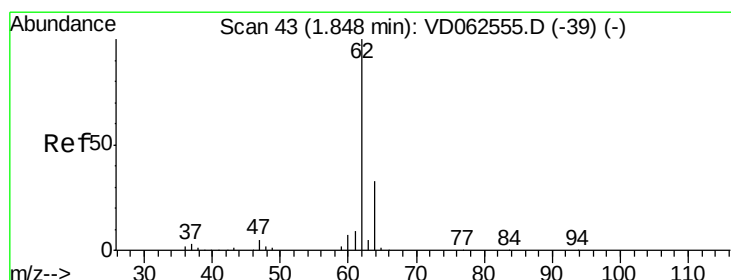
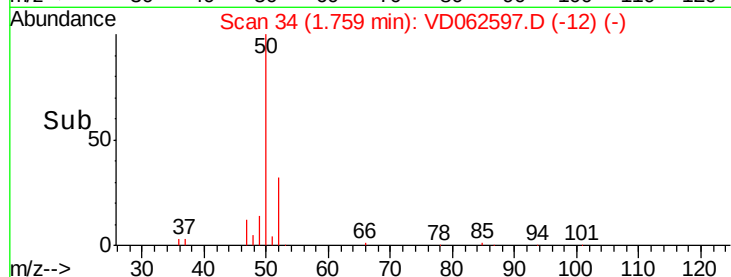
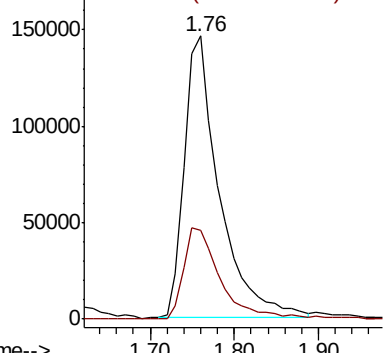
50 100

52 31.5 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.995 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD062597.D

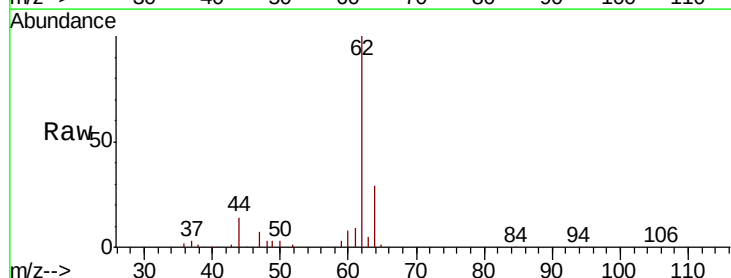
Acq: 4 Jun 2019 13:56

Tgt Ion: 62 Resp: 413569

Ion Ratio Lower Upper

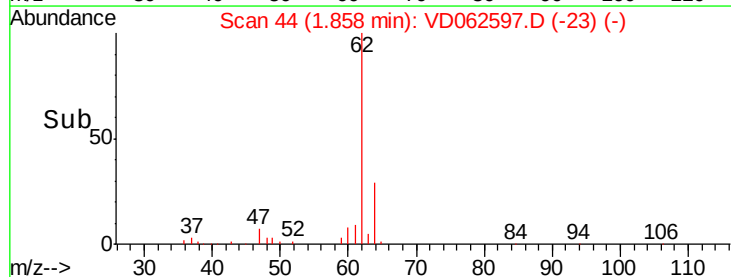
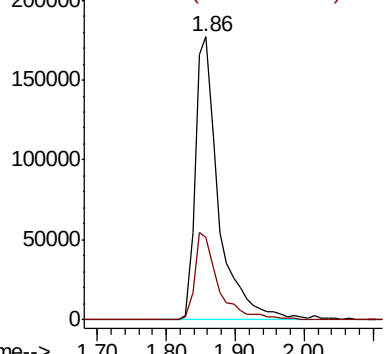
62 100

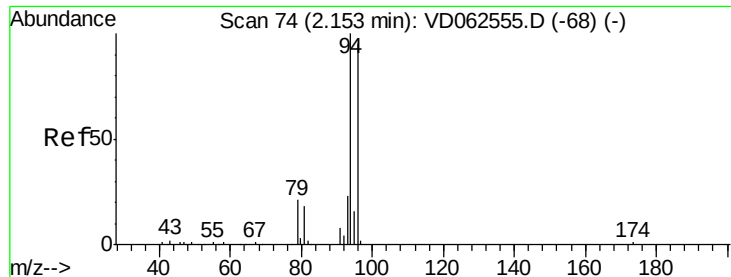
64 29.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 83.861 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampleId :

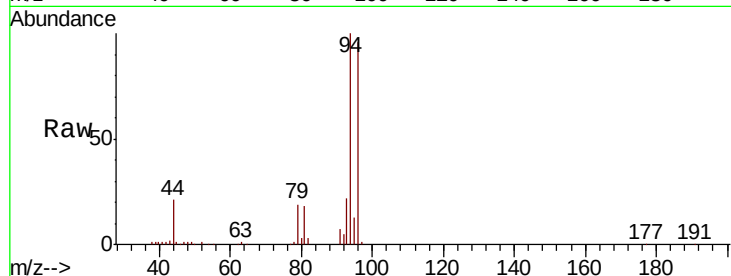
Tot Ion: 94 Resp: 208591

Ion Ratio Lower Upper

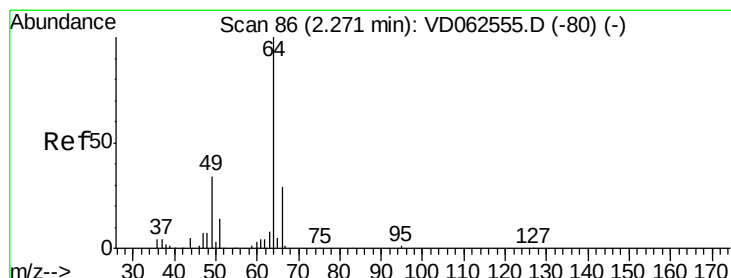
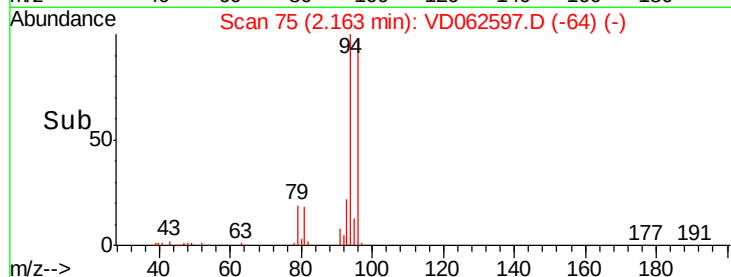
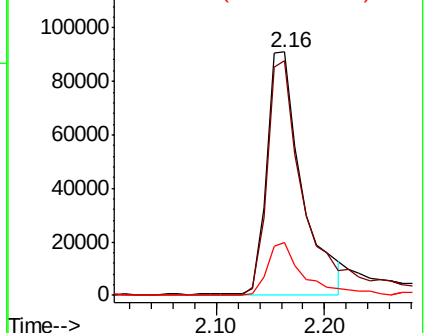
94 100

96 96.3 76.2 114.4

93 21.9 18.4 27.6



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 61.888 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD062597.D

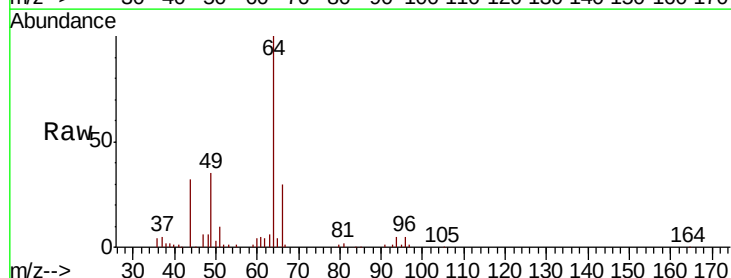
Acq: 4 Jun 2019 13:56

Tgt Ion: 64 Resp: 222286

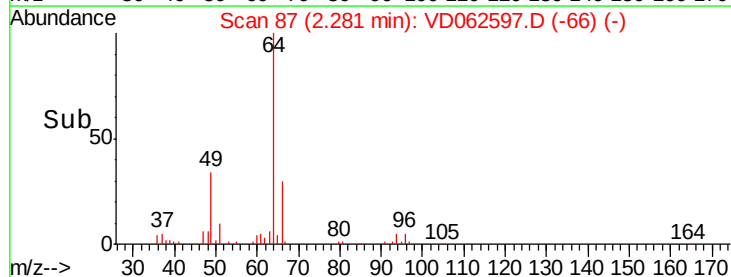
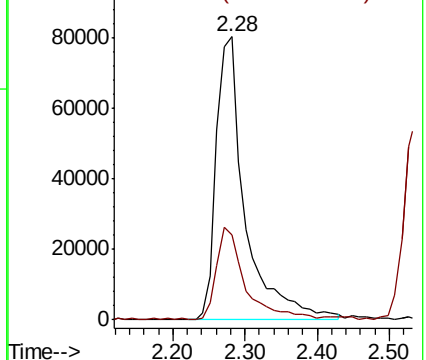
Ion Ratio Lower Upper

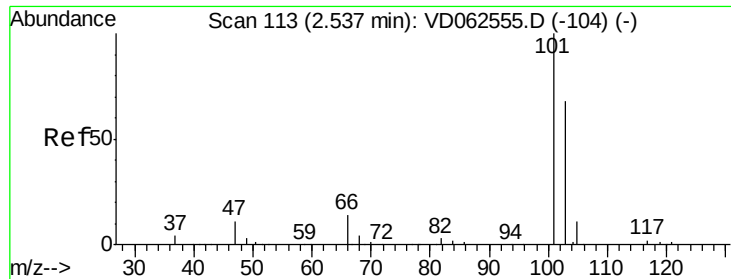
64 100

66 29.9 23.4 35.2



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



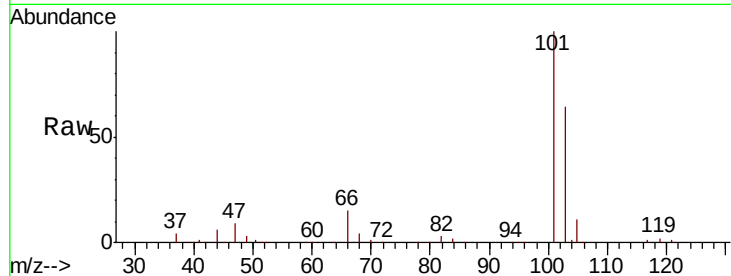


#7

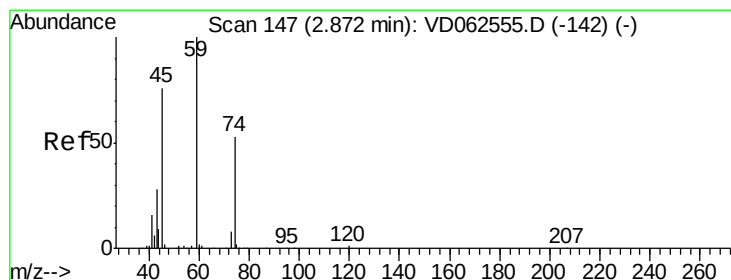
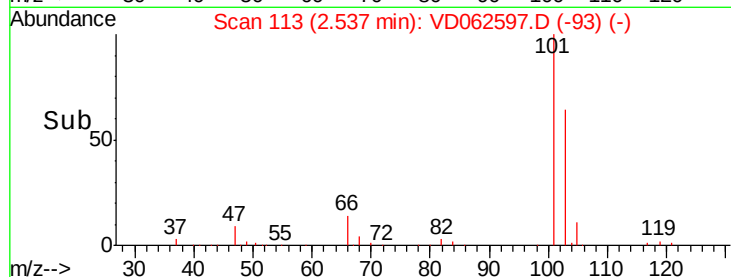
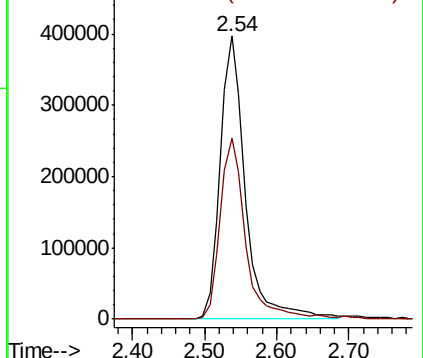
Trichlorofluoromethane
Concen: 59.155 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 957511
Ion Ratio Lower Upper
101 100
103 63.8 54.3 81.5



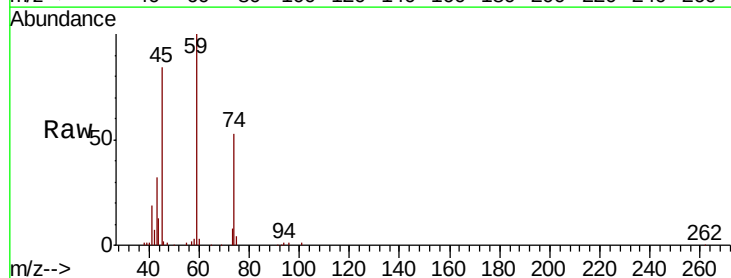
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



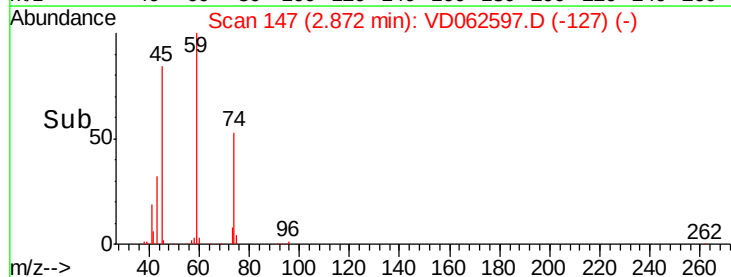
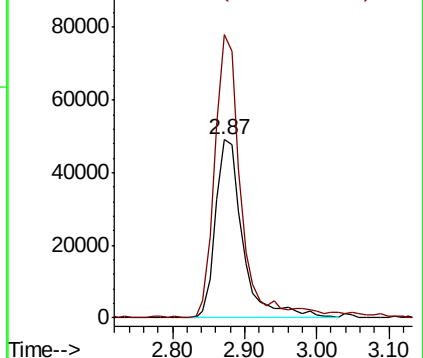
#8

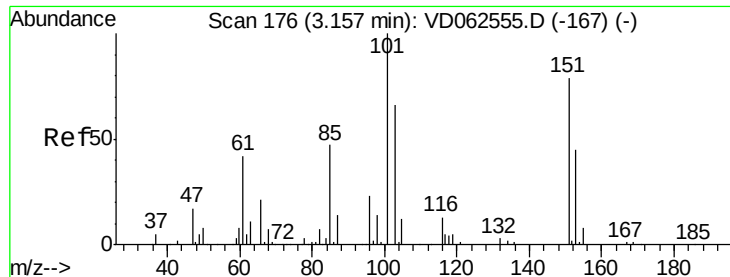
Diethyl Ether
Concen: 61.416 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion: 74 Resp: 127525
Ion Ratio Lower Upper
74 100
45 158.7 71.9 215.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.563 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampled :

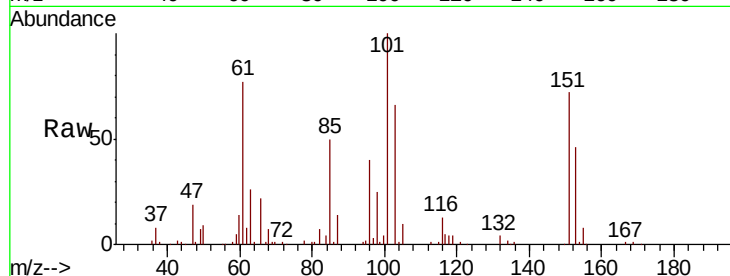
Tot Ion:101 Resp: 559779

Ion Ratio Lower Upper

101 100

85 49.6 37.6 56.4

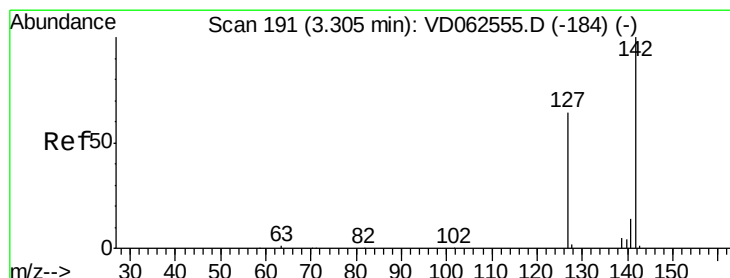
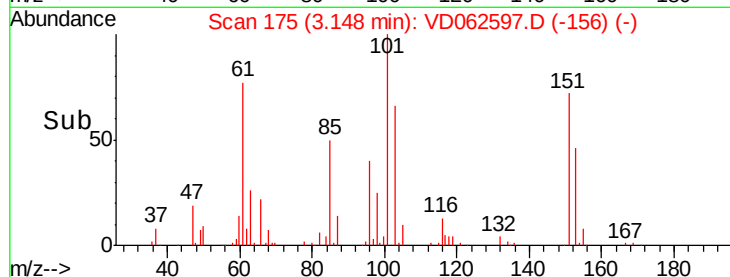
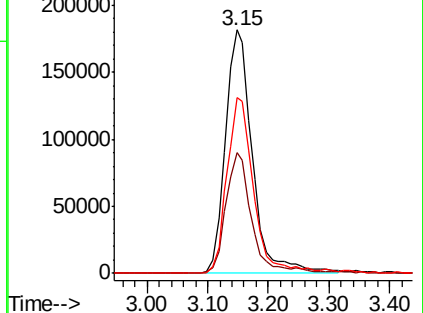
151 72.0 63.0 94.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 66.126 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

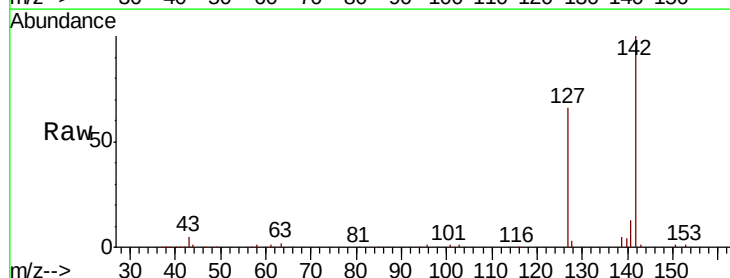
Tgt Ion:142 Resp: 717191

Ion Ratio Lower Upper

142 100

127 65.6 51.2 76.8

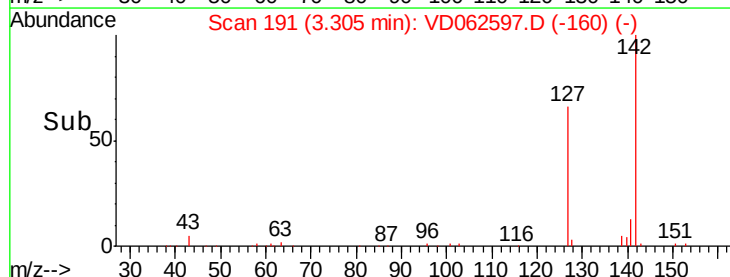
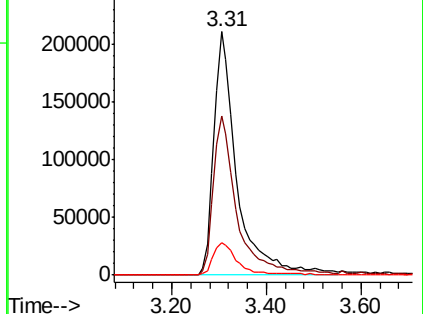
141 13.5 11.0 16.4

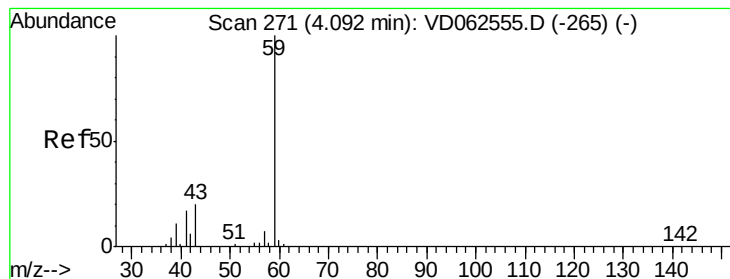


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



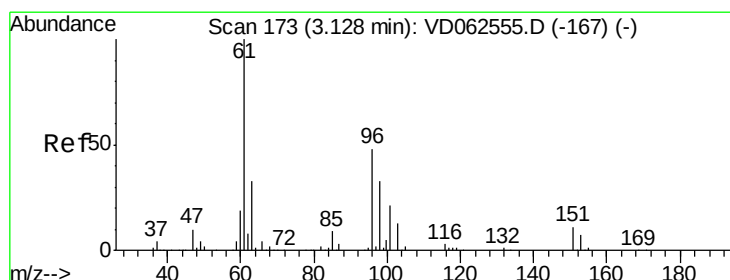
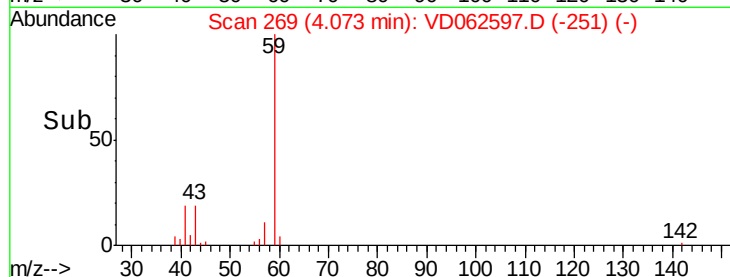
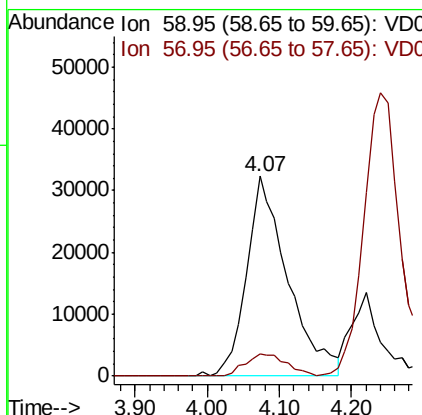
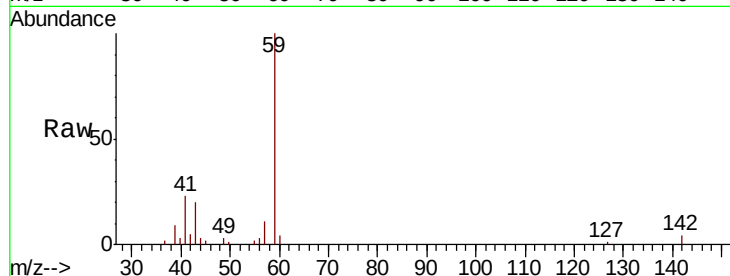


#11

Tert butyl alcohol
 Concen: 298.020 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.02 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Instrument :
 MSVOA_D
 ClientSampled :

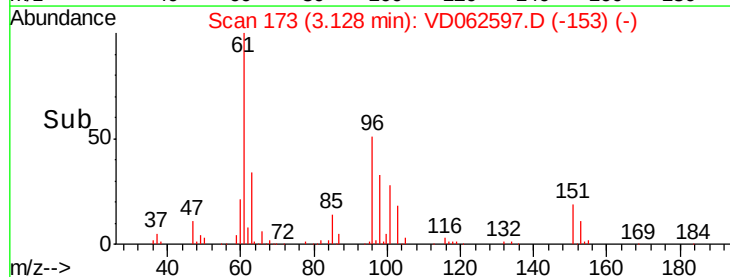
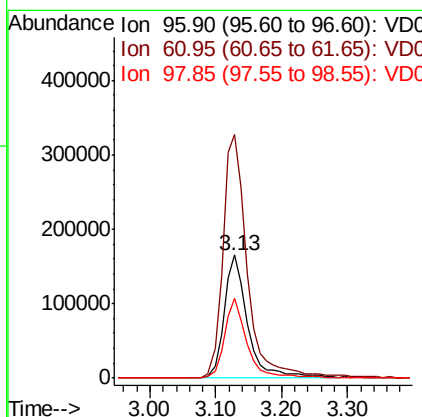
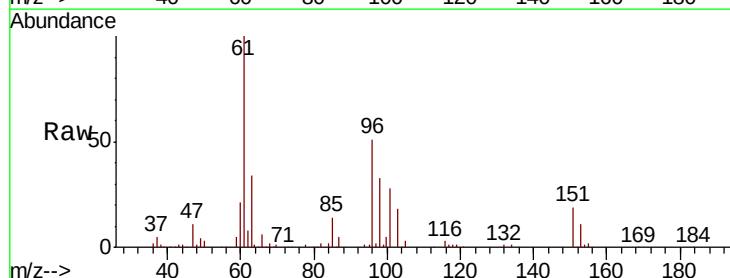
Tot Ion: 59 Resp: 128854
 Ion Ratio Lower Upper
 59 100
 57 10.8 5.4 8.0#

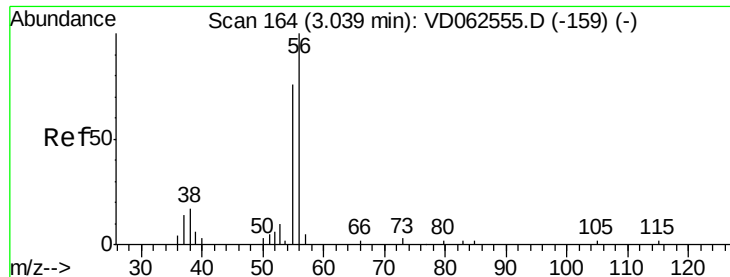


#12

1,1-Dichloroethene
 Concen: 60.966 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.00 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion: 96 Resp: 412247
 Ion Ratio Lower Upper
 96 100
 61 197.9 166.6 250.0
 98 65.2 54.4 81.6





#13

Acrolein

Concen: 262.890 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

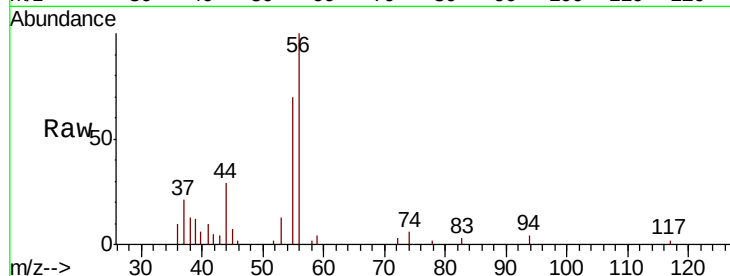
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 49526

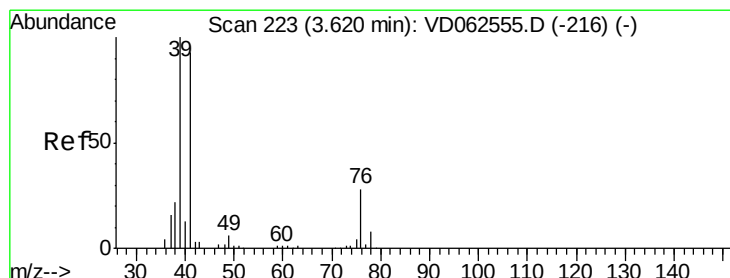
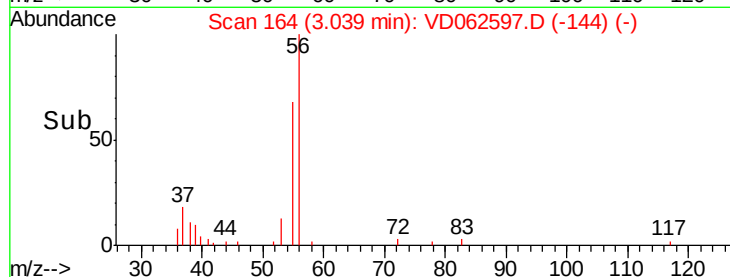
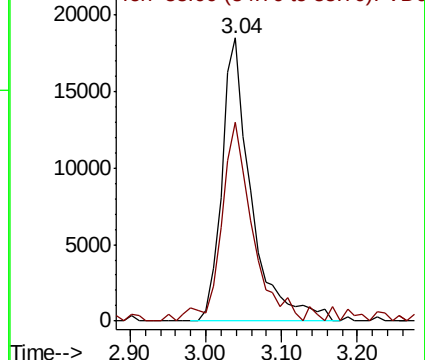
Ion Ratio Lower Upper

56 100

55 70.2 62.6 93.8



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



#14

Allyl chloride

Concen: 59.305 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

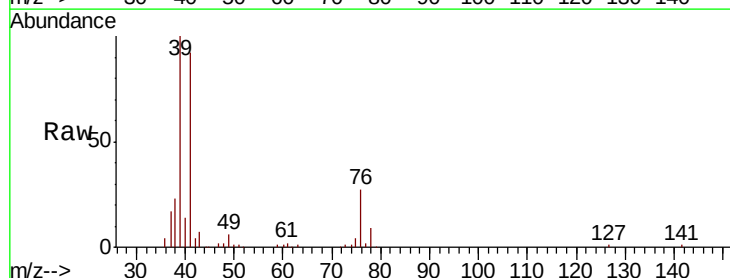
Tgt Ion: 41 Resp: 626414

Ion Ratio Lower Upper

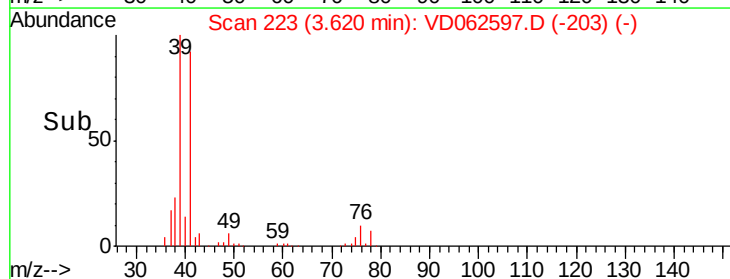
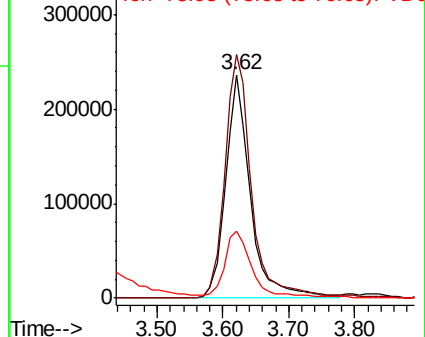
41 100

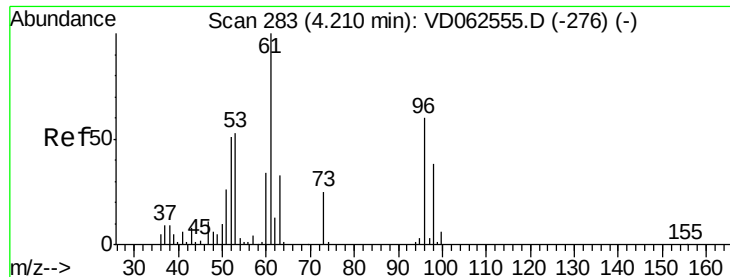
39 108.8 86.3 129.5

76 29.8 25.5 38.3



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





#15

Acrylonitrile

Concen: 277.765 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampleId :

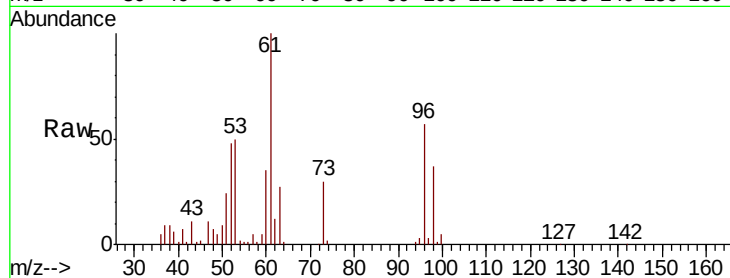
Tot Ion: 53 Resp: 287096

Ion Ratio Lower Upper

53 100

52 96.8 76.2 114.2

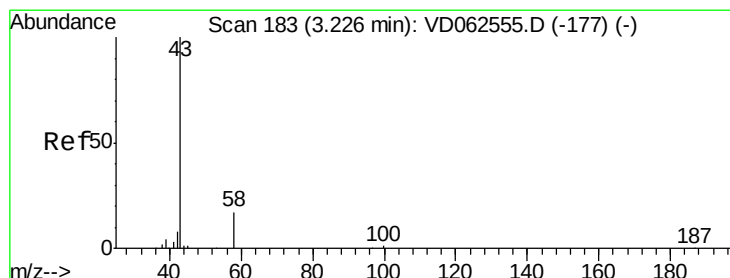
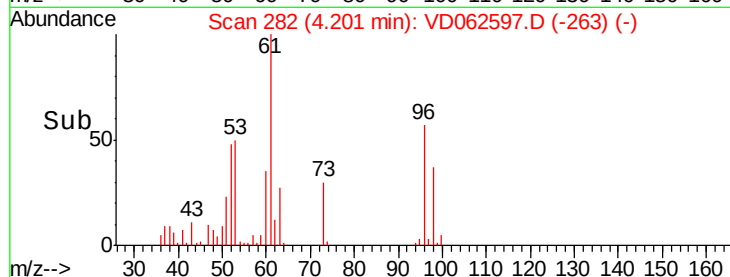
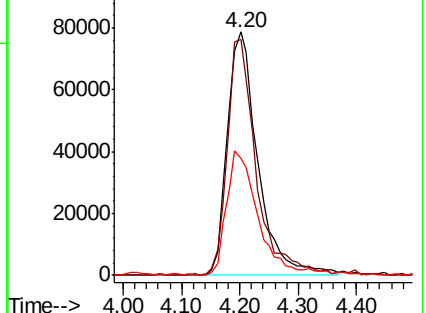
51 48.2 40.2 60.4



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: 284.298 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062597.D

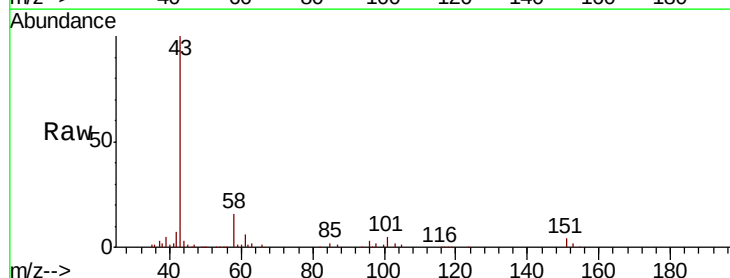
Acq: 4 Jun 2019 13:56

Tgt Ion: 43 Resp: 566240

Ion Ratio Lower Upper

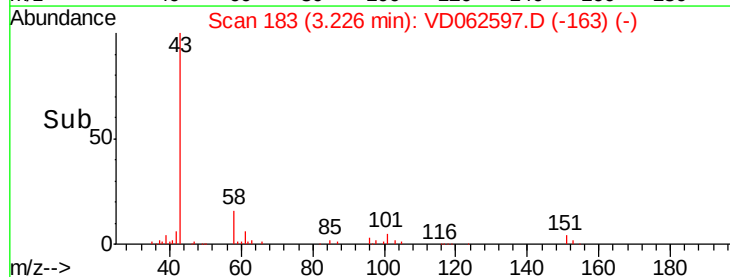
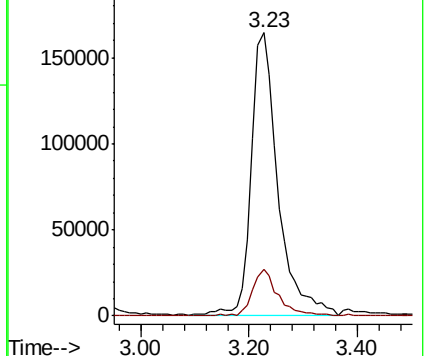
43 100

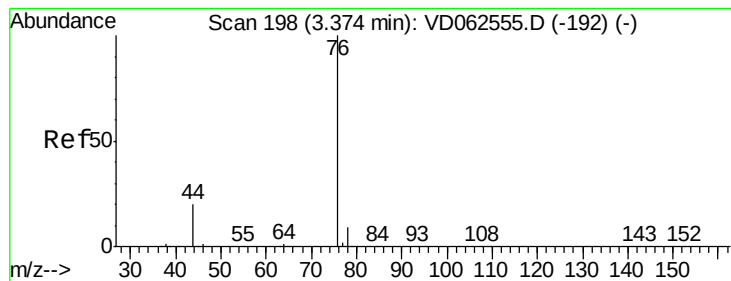
58 16.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 55.983 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

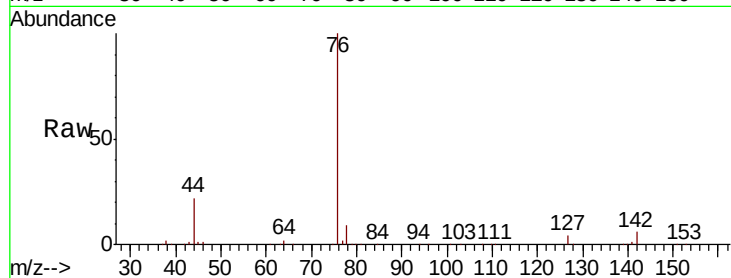
ClientSampleId :

Tot Ion: 76 Resp: 1230505

Ion Ratio Lower Upper

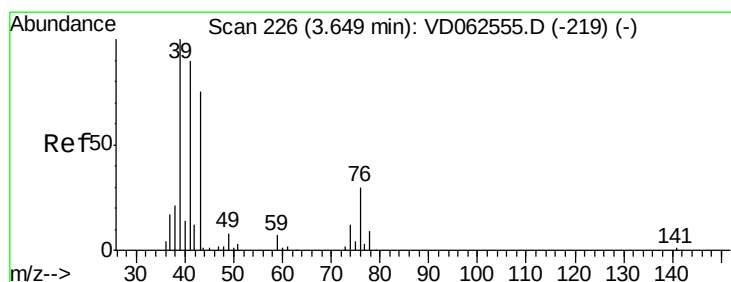
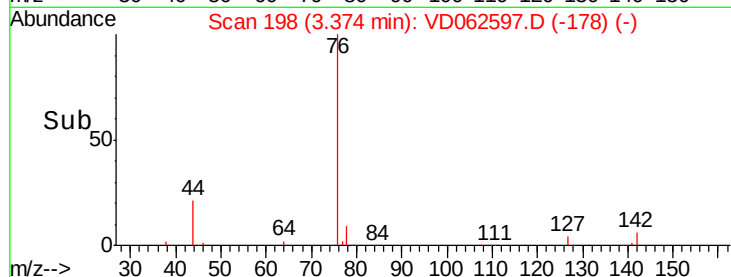
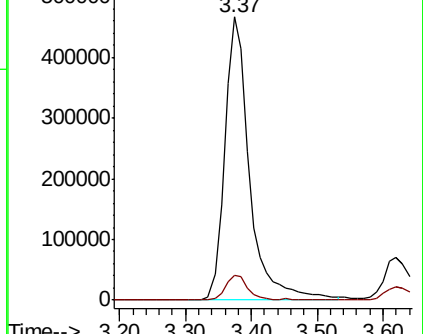
76 100

78 9.0 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 50.200 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062597.D

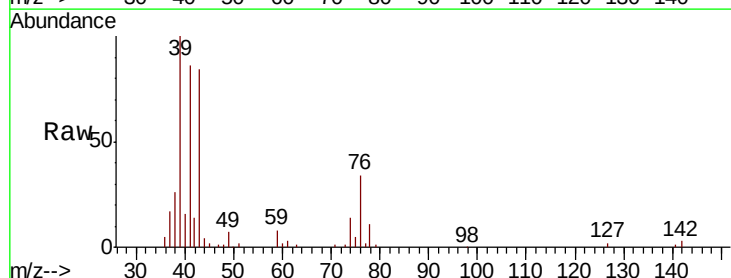
Acq: 4 Jun 2019 13:56

Tgt Ion: 43 Resp: 163190

Ion Ratio Lower Upper

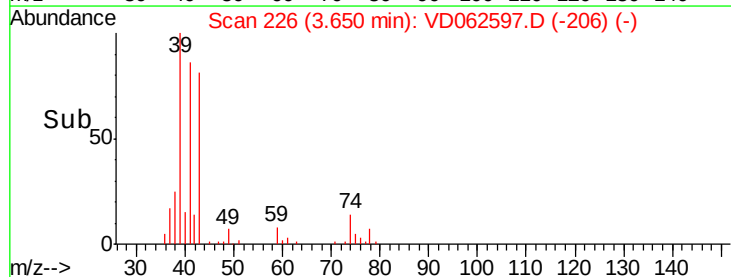
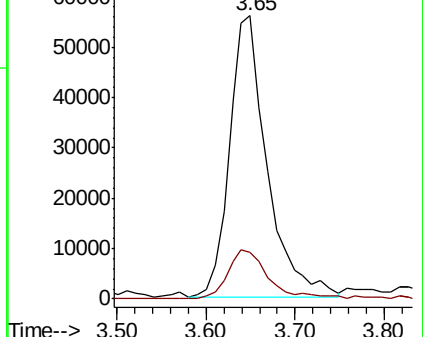
43 100

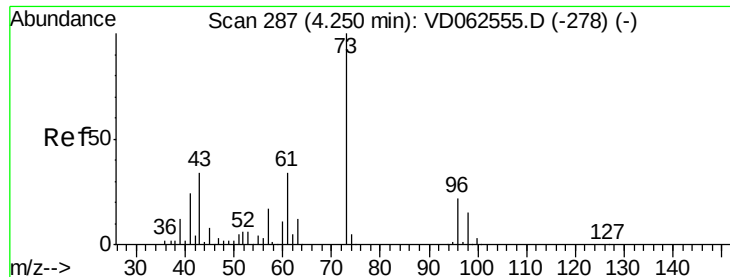
74 16.6 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

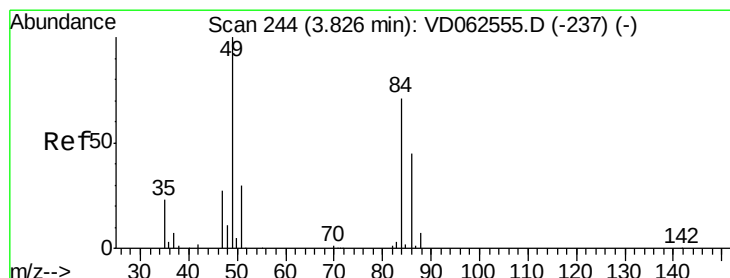
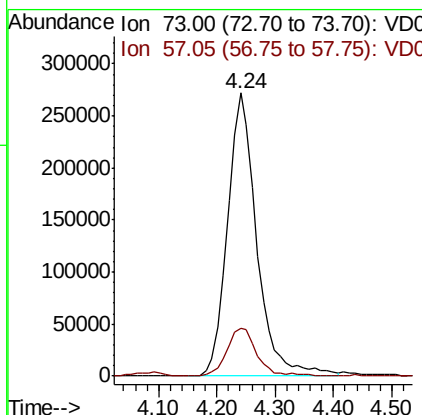
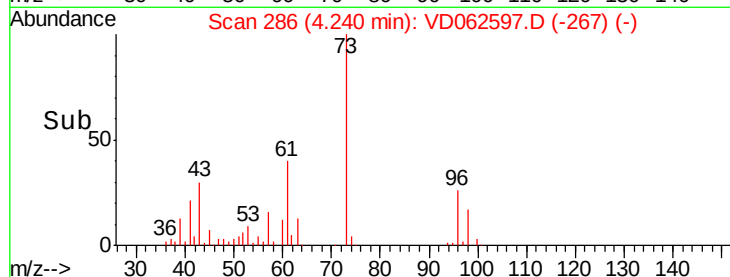
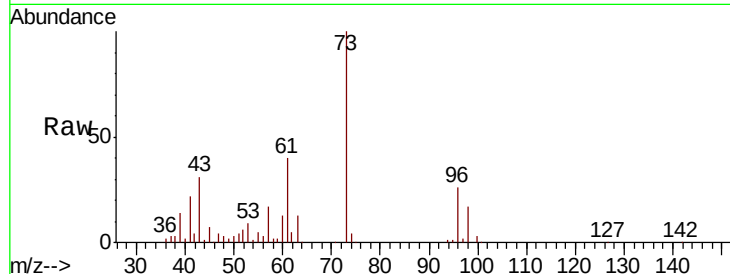




#19
Methyl tert-butyl Ether
Concen: 57.901 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

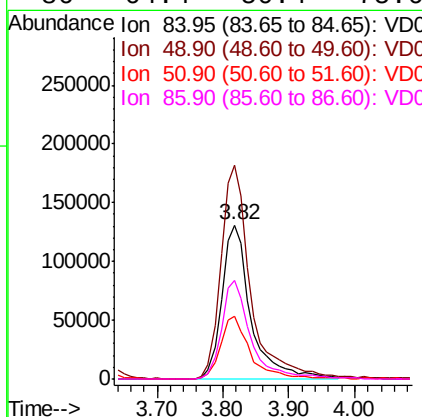
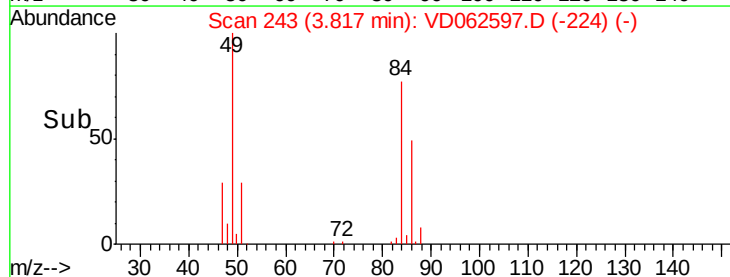
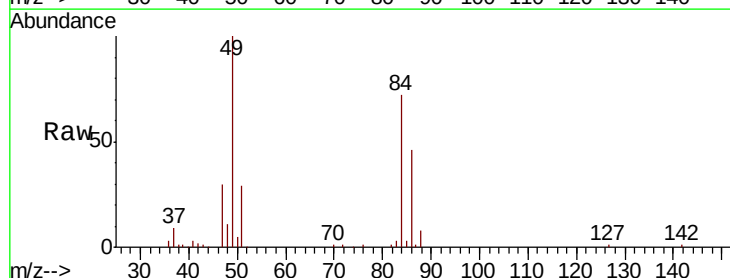
Instrument :
MSVOA_D
ClientSampleId :

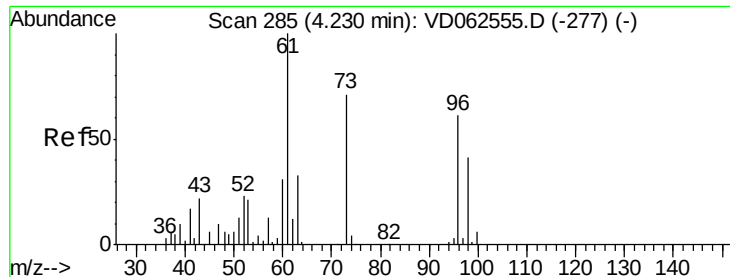
Tot Ion: 73 Resp: 948441
Ion Ratio Lower Upper
73 100
57 16.8 13.8 20.8



#20
Methylene Chloride
Concen: 54.630 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion: 84 Resp: 402779
Ion Ratio Lower Upper
84 100
49 138.8 112.3 168.5
51 40.6 33.6 50.4
86 64.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 56.329 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampleId :

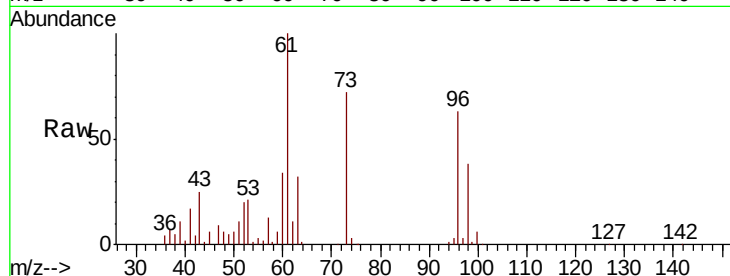
Tot Ion: 96 Resp: 432246

Ion Ratio Lower Upper

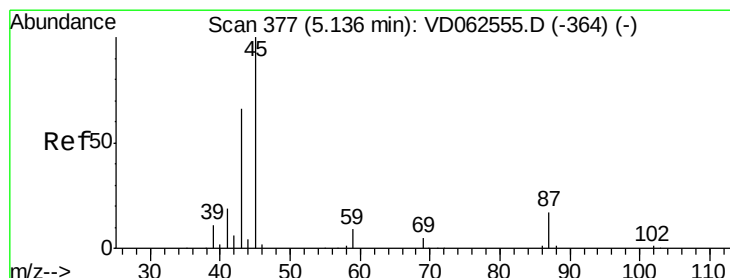
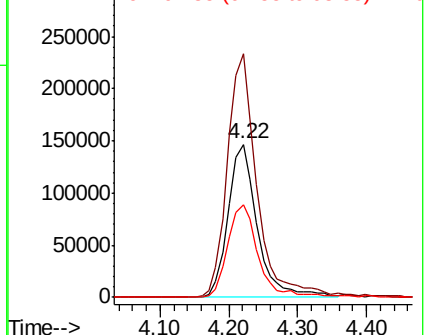
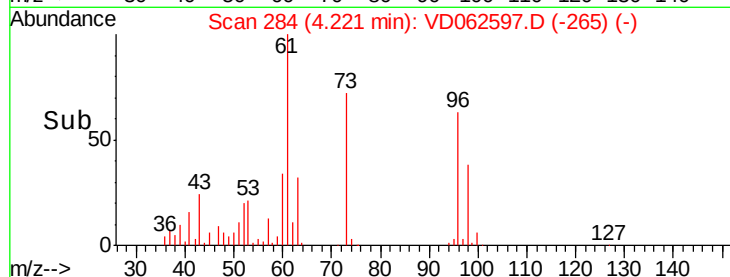
96 100

61 159.0 131.1 196.7

98 60.4 54.2 81.4



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



#22

Diisopropyl ether

Concen: 59.056 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Tgt Ion: 45 Resp: 1274337

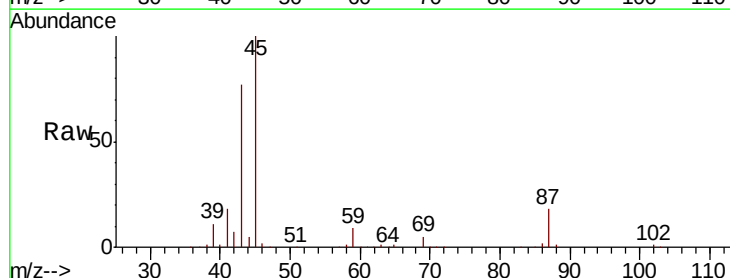
Ion Ratio Lower Upper

45 100

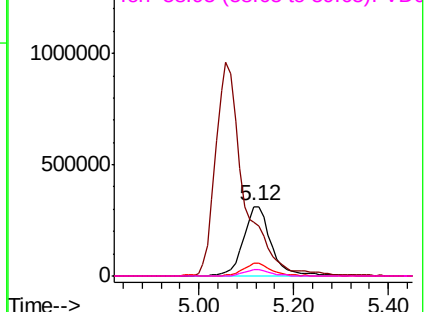
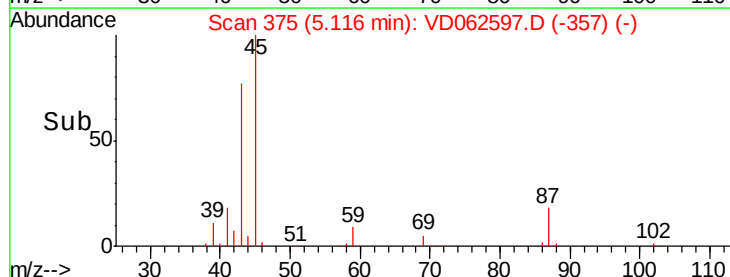
43 77.3 53.6 80.4

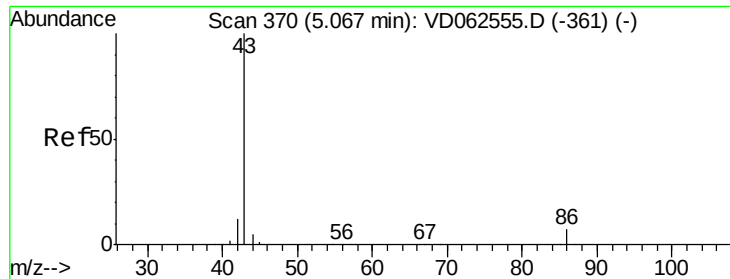
87 17.8 14.2 21.4

59 8.8 7.3 10.9



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





#23

Vinyl Acetate

Concen: 301.519 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

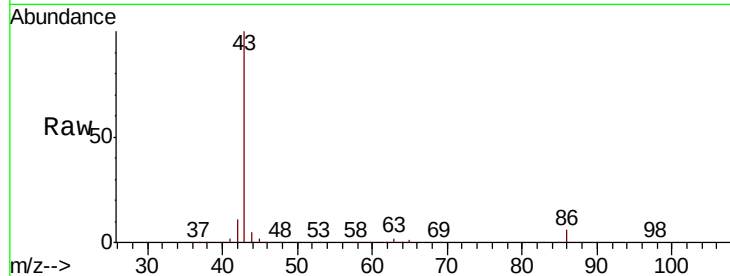
ClientSampleId :

Tot Ion: 43 Resp: 3945657

Ion Ratio Lower Upper

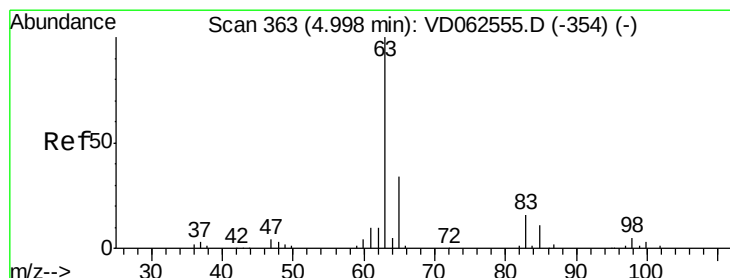
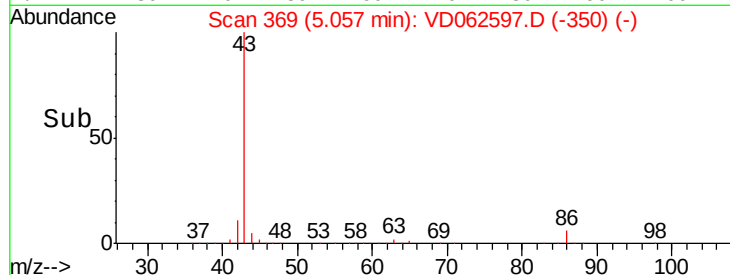
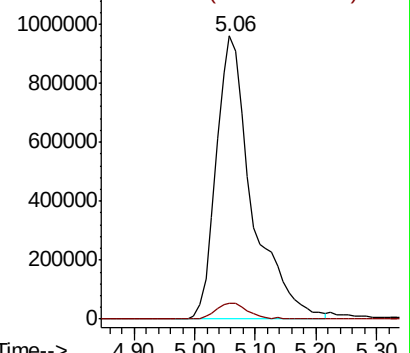
43 100

86 5.7 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VD0

Ion 86.00 (85.70 to 86.70): VD0



#24

1,1-Dichloroethane

Concen: 57.126 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

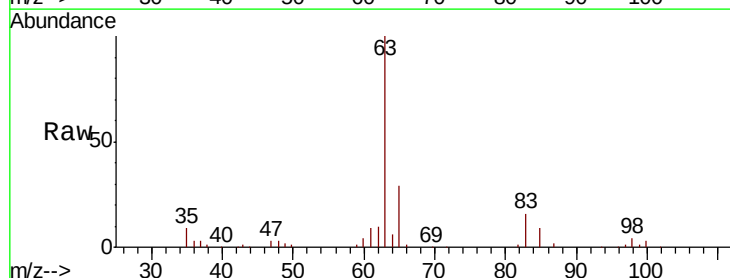
Tgt Ion: 63 Resp: 795487

Ion Ratio Lower Upper

63 100

98 3.9 2.5 7.5

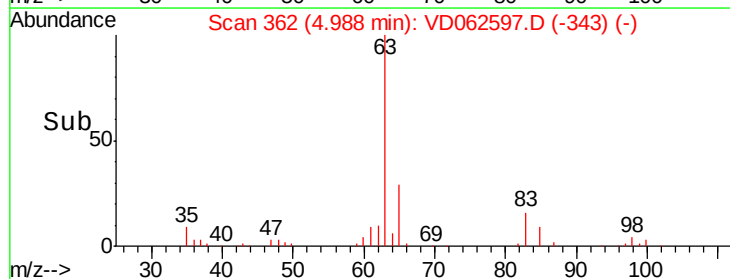
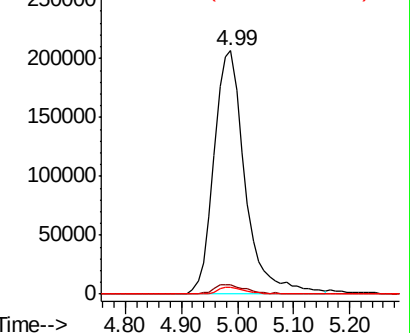
100 2.7 1.6 4.7

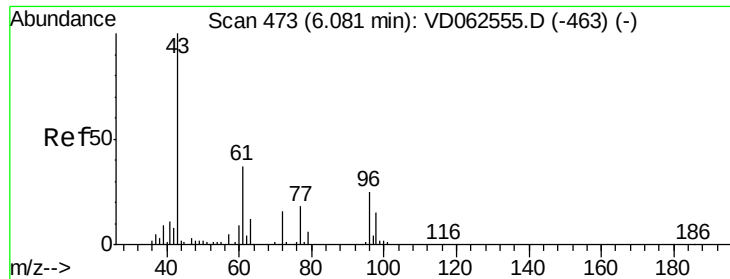


Abundance Ion 62.95 (62.65 to 63.65): VD0

Ion 97.95 (97.65 to 98.65): VD0

Ion 99.95 (99.65 to 100.65): VD0





#25

2-Butanone

Concen: 295.787 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

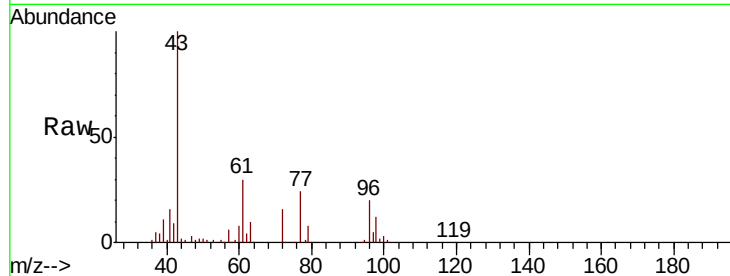
ClientSampleId :

Tot Ion: 43 Resp: 554834

Ion Ratio Lower Upper

43 100

72 16.4 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

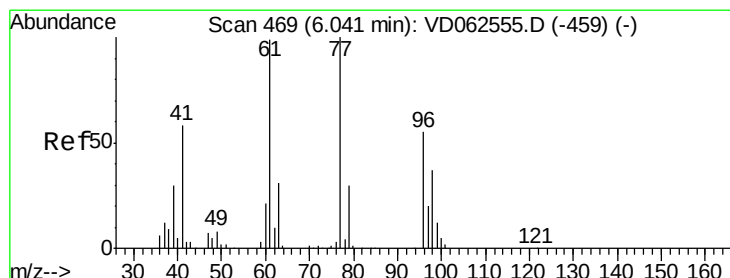
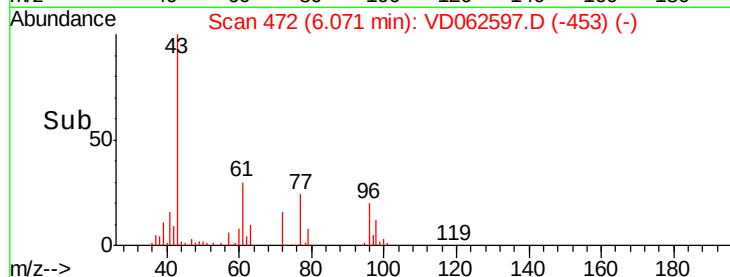
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 60.640 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD062597.D

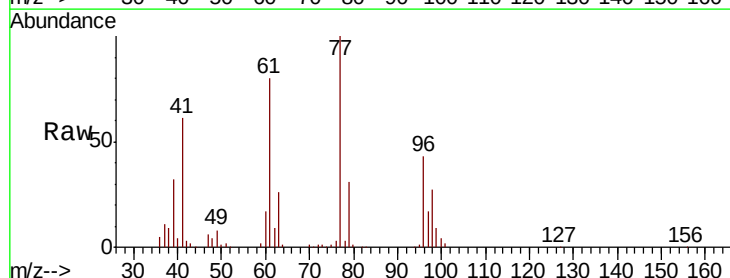
Acq: 4 Jun 2019 13:56

Tgt Ion: 77 Resp: 936779

Ion Ratio Lower Upper

77 100

97 17.4 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

300000

250000

200000

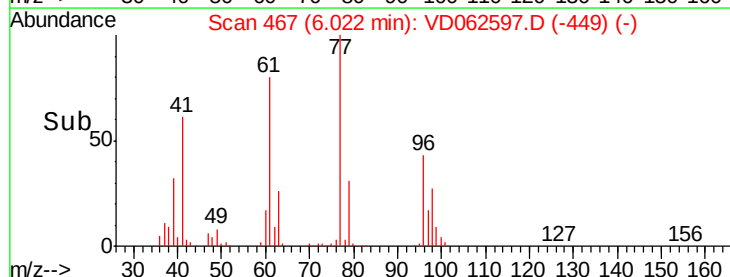
150000

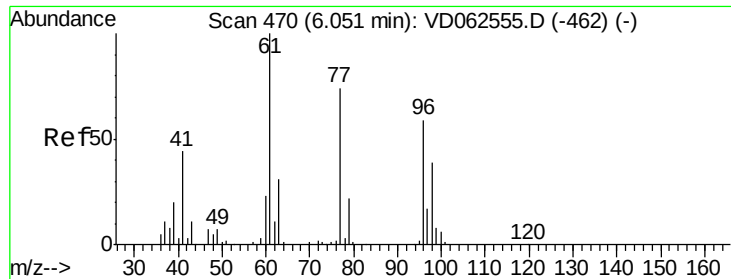
100000

50000

0

Time--> 5.90 6.00 6.10 6.20



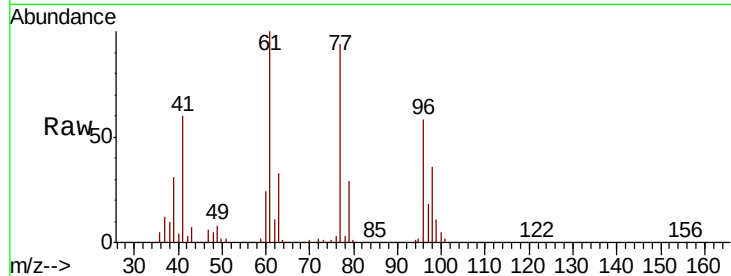


#27

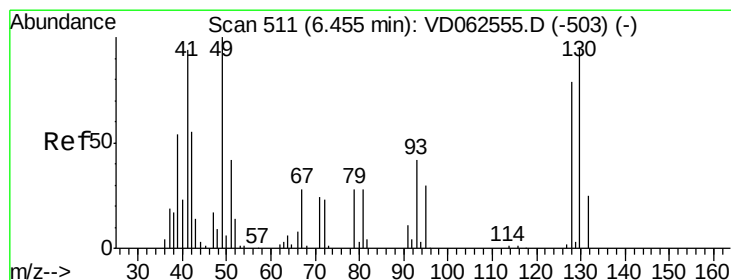
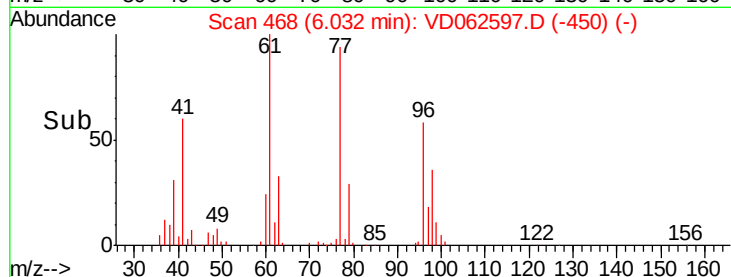
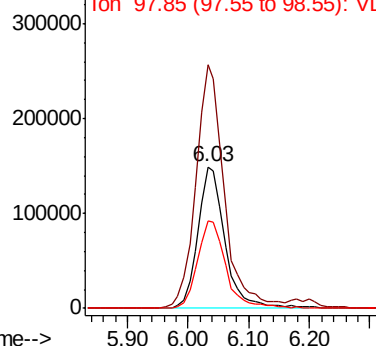
cis-1,2-Dichloroethene
Concen: 58.739 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.0	0.0	342.4
98	61.9	0.0	134.6



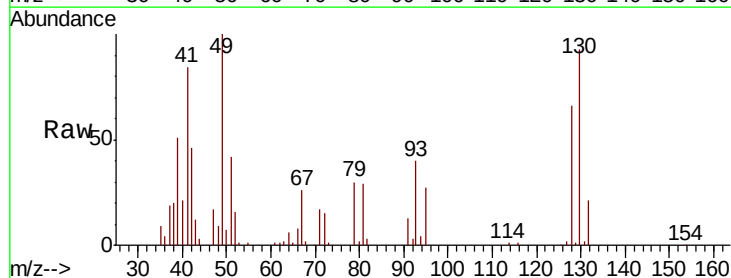
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



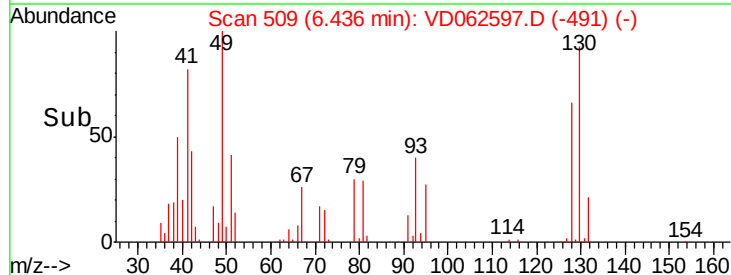
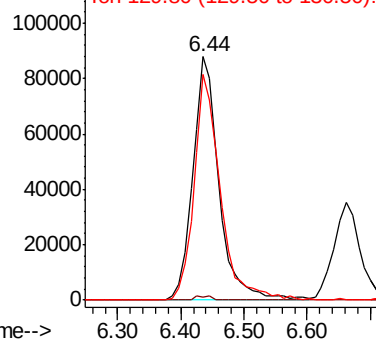
#28

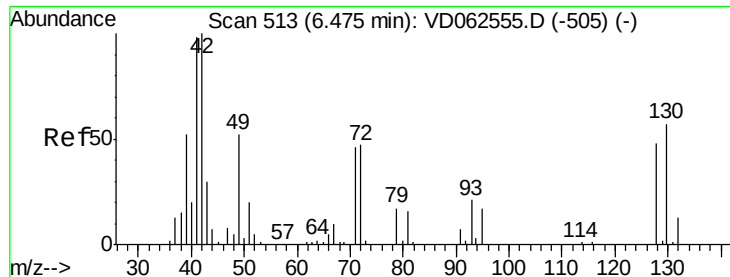
Bromochloromethane
Concen: 52.529 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.6
130	92.9	75.8	113.8



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

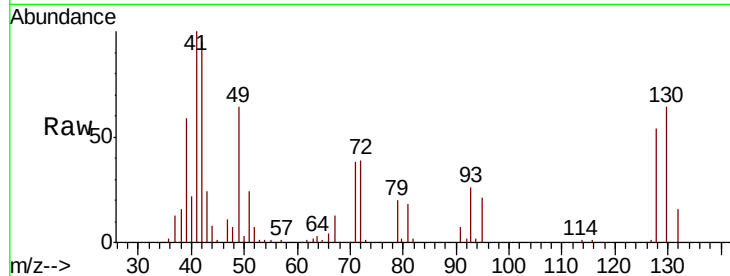




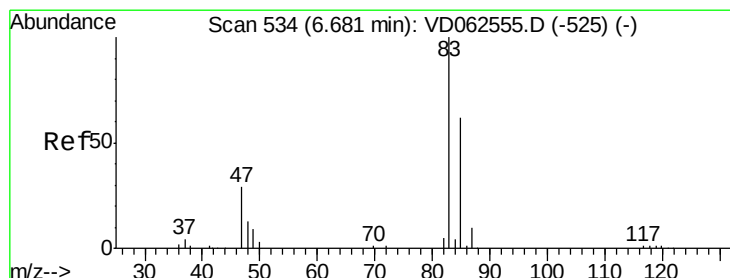
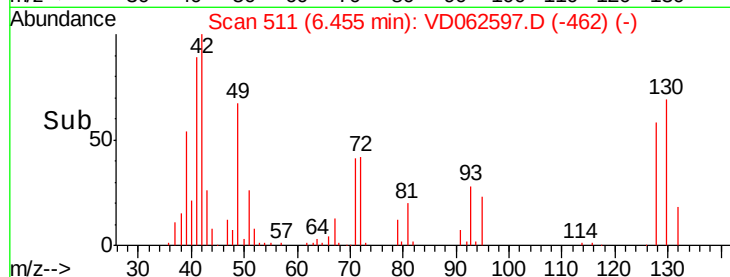
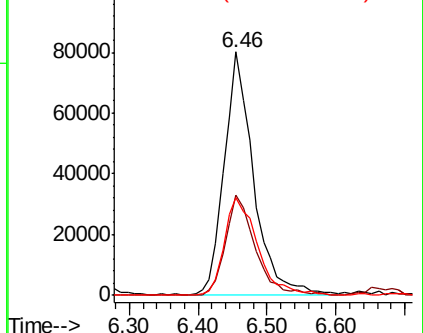
#29
Tetrahydrofuran
Concen: 283.242 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 237996
Ion Ratio Lower Upper
42 100
72 41.3 34.5 51.7
71 44.9 33.0 49.6

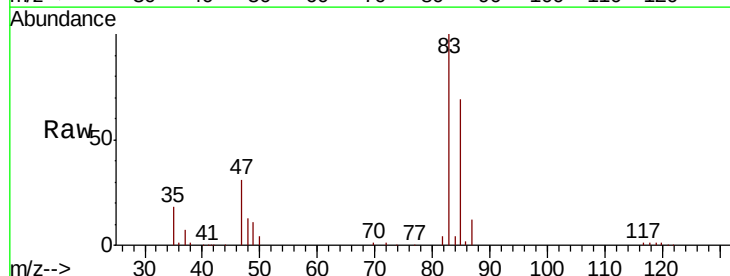


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

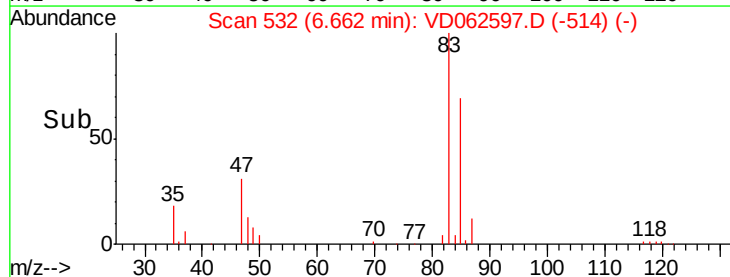
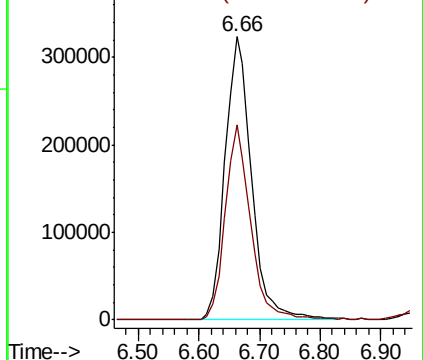


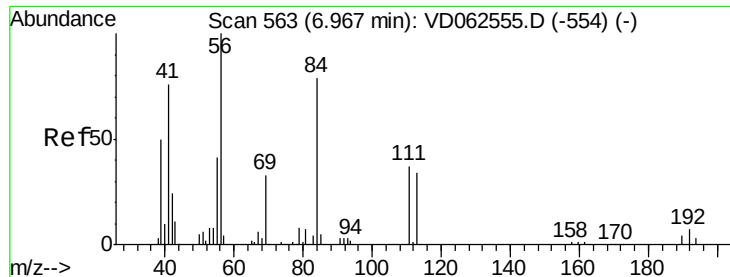
#30
Chloroform
Concen: 58.640 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion: 83 Resp: 983966
Ion Ratio Lower Upper
83 100
85 68.9 49.4 74.0



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

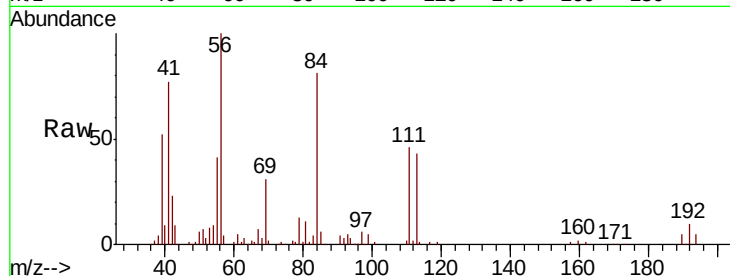




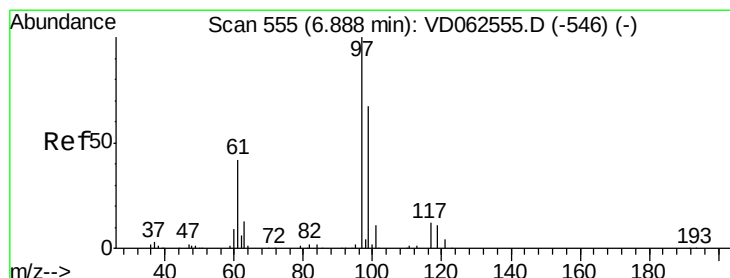
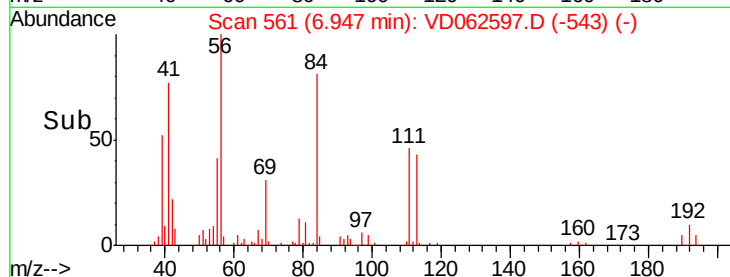
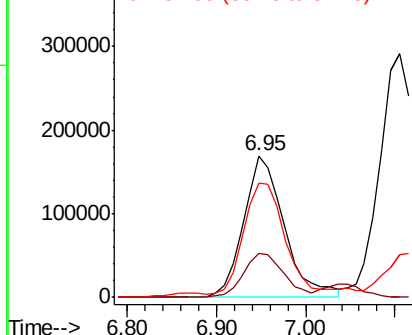
#31
Cyclohexane
Concen: 56.469 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 531641
Ion Ratio Lower Upper
56 100
69 31.4 26.2 39.2
84 81.0 65.2 97.8

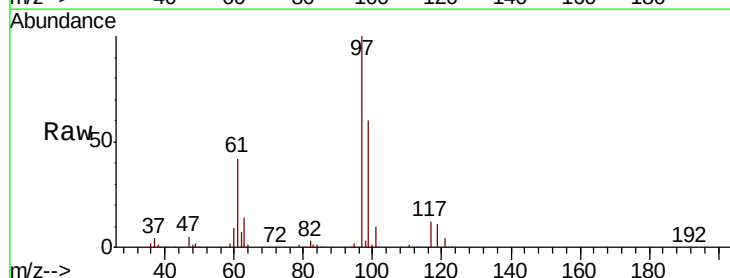


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

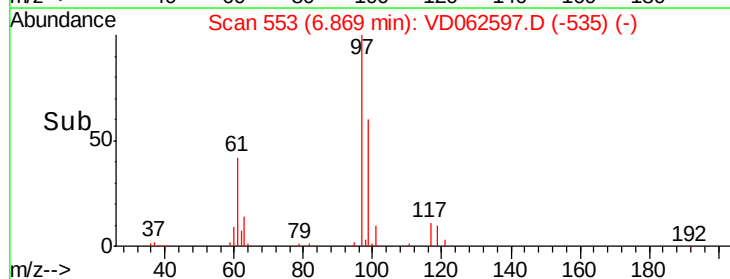
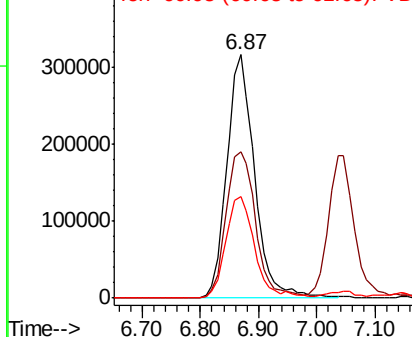


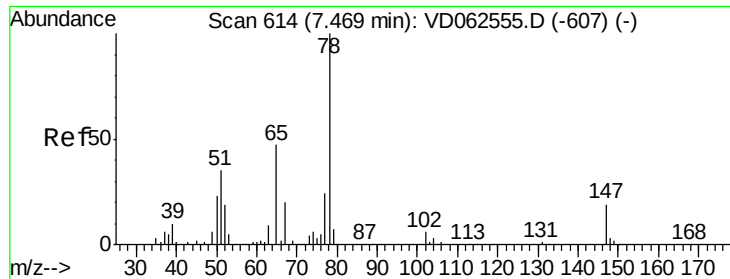
#32
1,1,1-Trichloroethane
Concen: 59.778 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion: 97 Resp: 1043902
Ion Ratio Lower Upper
97 100
99 60.3 53.6 80.4
61 41.6 33.9 50.9



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

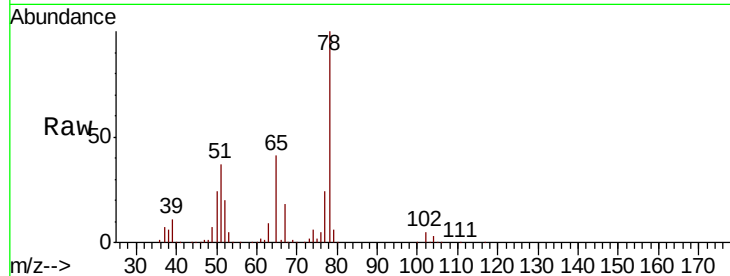




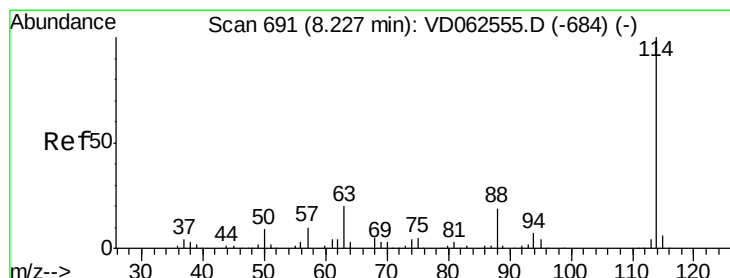
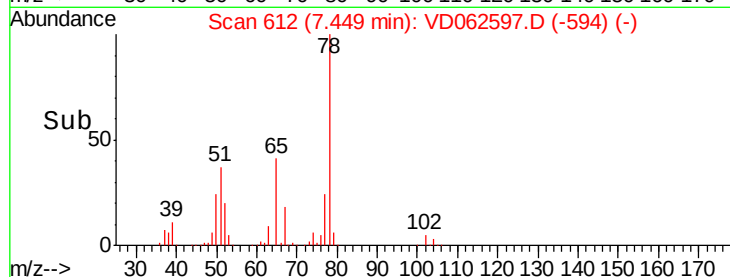
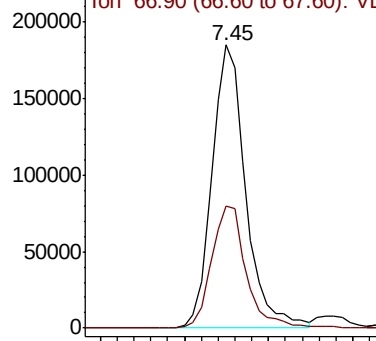
#33
 1,2-Dichloroethane-d4
 Concen: 50.951 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 516486
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 83.6

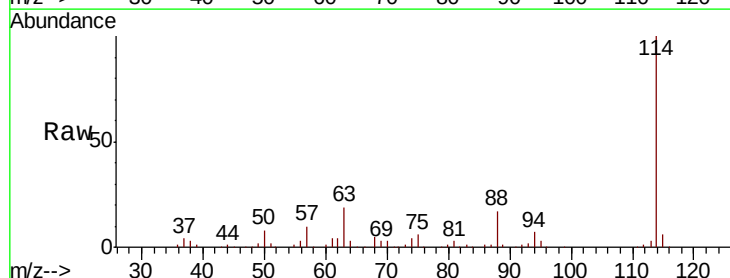


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

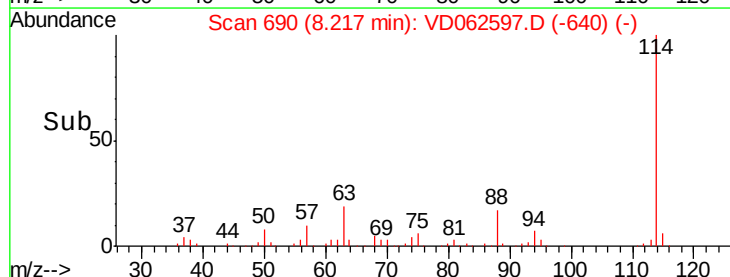
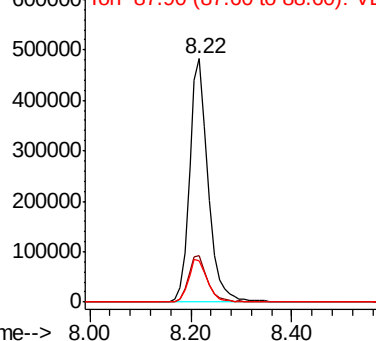


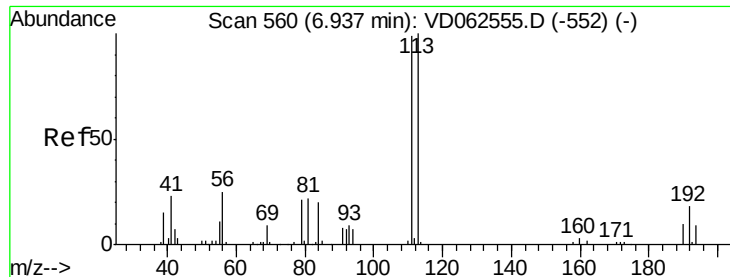
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion: 114 Resp: 1238404
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.6
 88 17.3 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

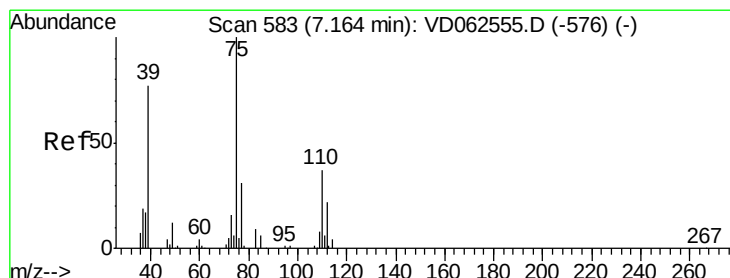
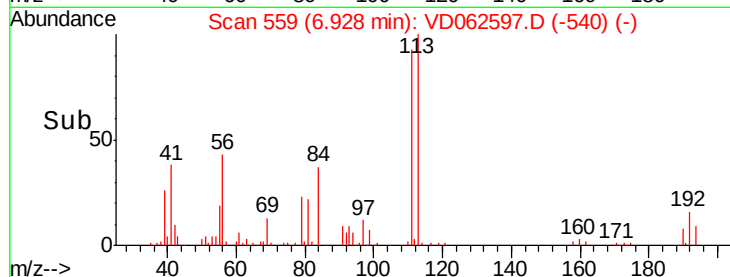
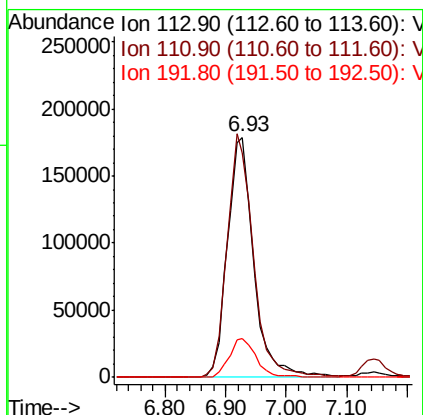
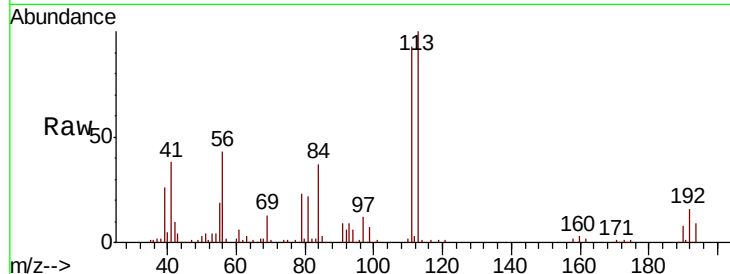




#35
 Dibromofluoromethane
 Concen: 47.745 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

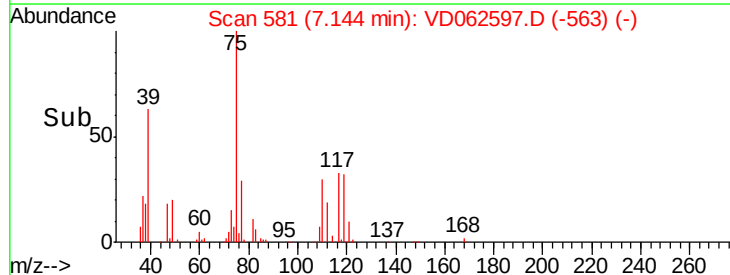
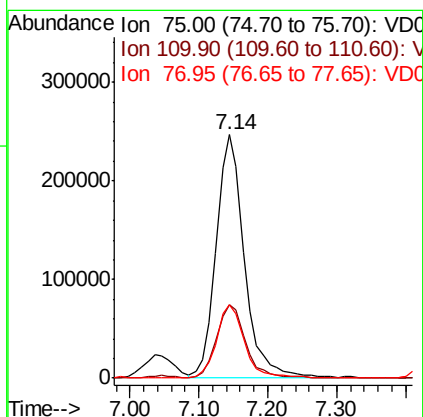
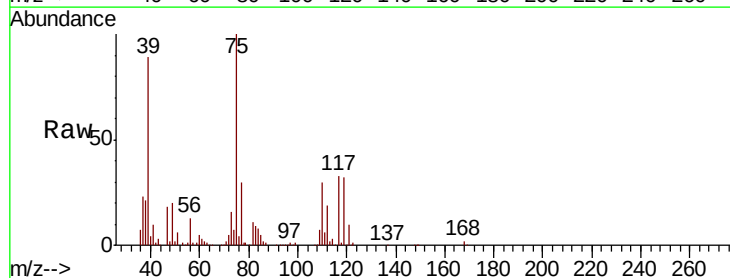
Instrument :
 MSVOA_D
 ClientSampleID :

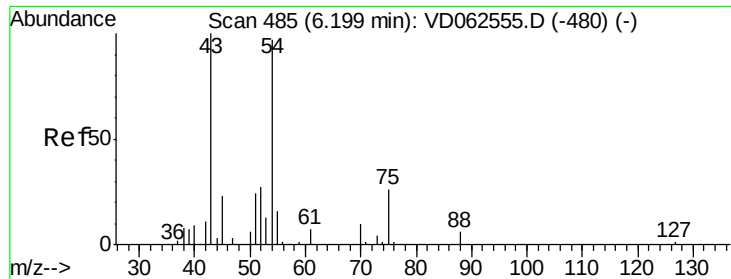
Tot Ion:113 Resp: 538808
 Ion Ratio Lower Upper
 113 100
 111 93.5 78.8 118.2
 192 16.3 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 56.246 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion: 75 Resp: 693394
 Ion Ratio Lower Upper
 75 100
 110 30.1 18.3 54.8
 77 30.1 24.4 36.6

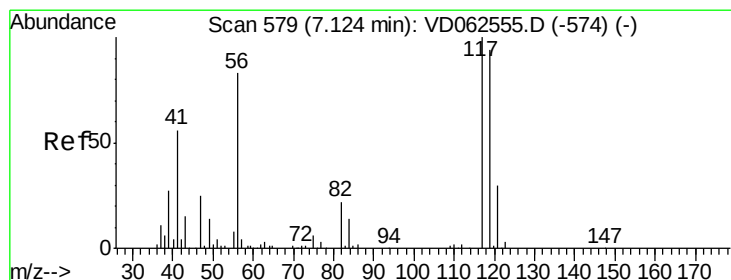
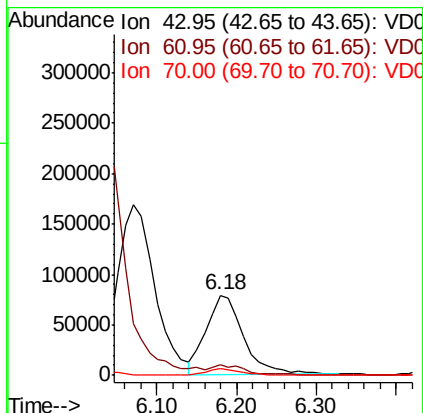
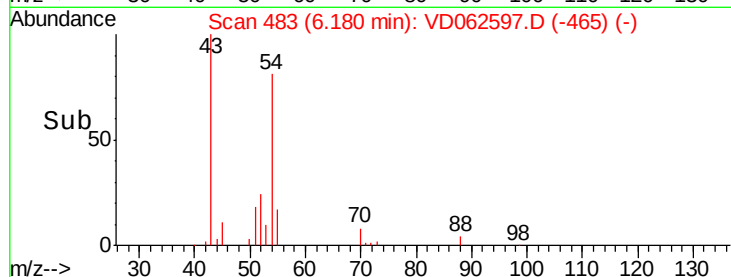
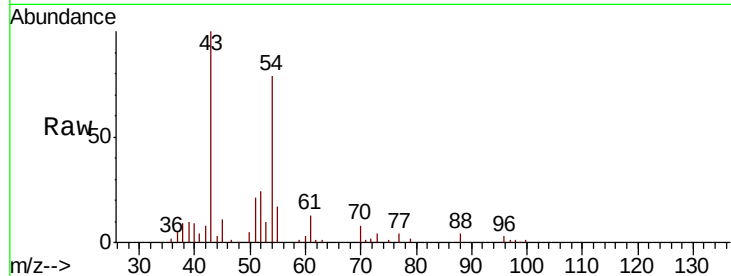




#37
Ethyl Acetate
Concen: 49.130 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

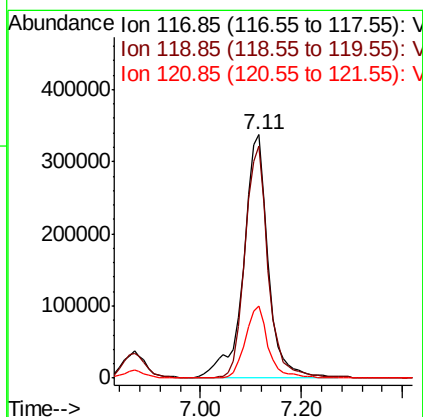
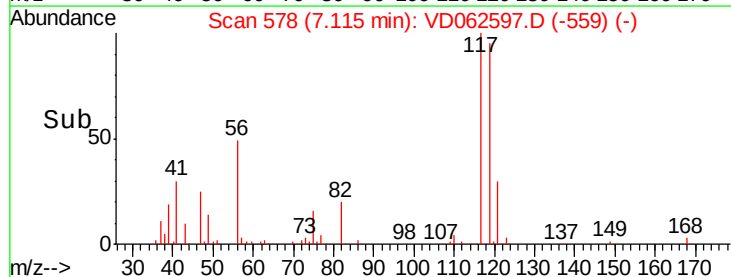
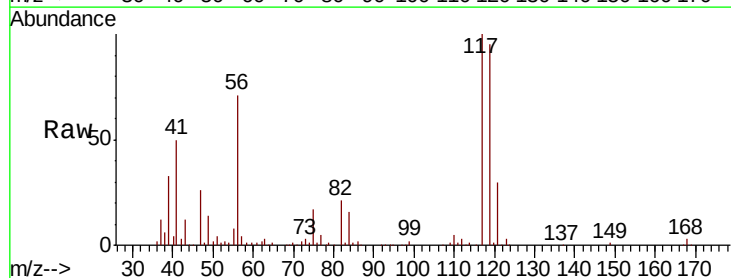
Instrument :
MSVOA_D
ClientSampleID :

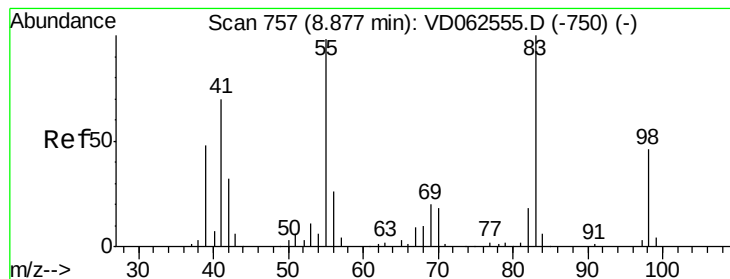
Tot Ion: 43 Resp: 255346
Ion Ratio Lower Upper
43 100
61 13.3 9.8 14.8
70 8.1 6.5 9.7



#38
Carbon Tetrachloride
Concen: 62.800 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion: 117 Resp: 1152644
Ion Ratio Lower Upper
117 100
119 95.5 71.4 107.2
121 29.8 22.5 33.7





#39

Methylvlcyclohexane

Concen: 55.261 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.02 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampleId :

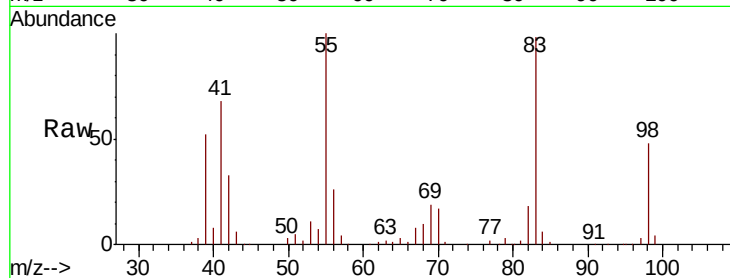
Tot Ion: 83 Resp: 576778

Ion Ratio Lower Upper

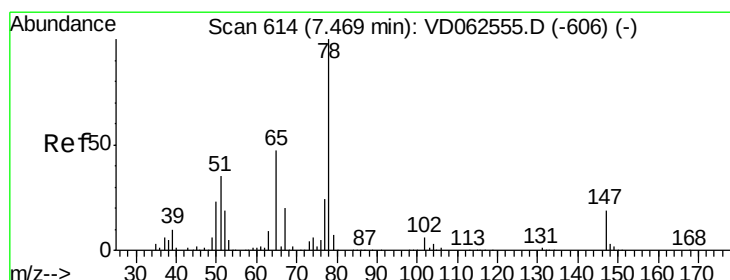
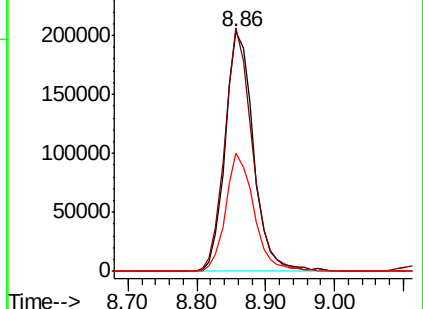
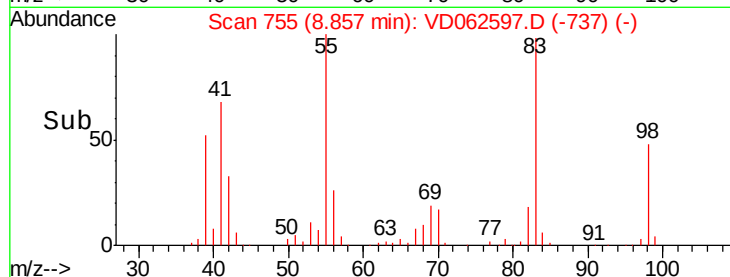
83 100

55 101.6 78.7 118.1

98 49.2 37.2 55.8



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



#40

Benzene

Concen: 54.236 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062597.D

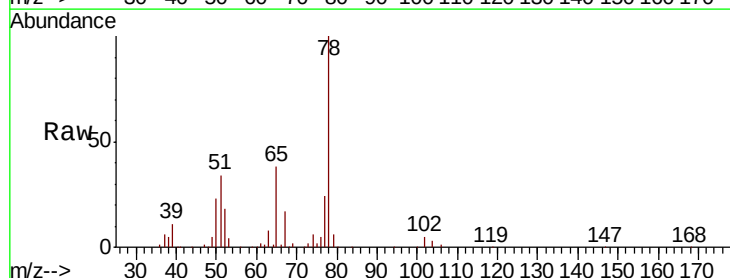
Acq: 4 Jun 2019 13:56

Tgt Ion: 78 Resp: 1312280

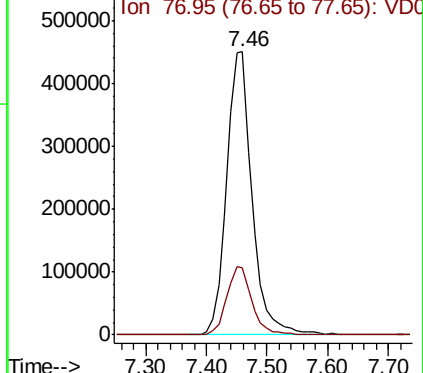
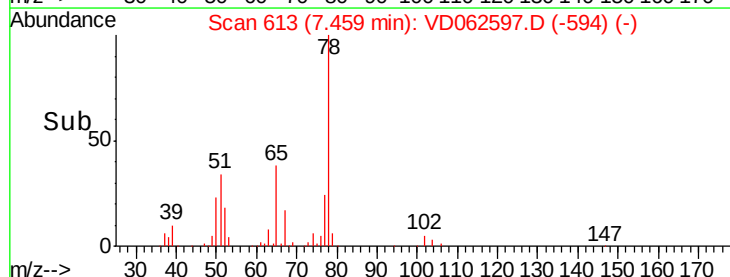
Ion Ratio Lower Upper

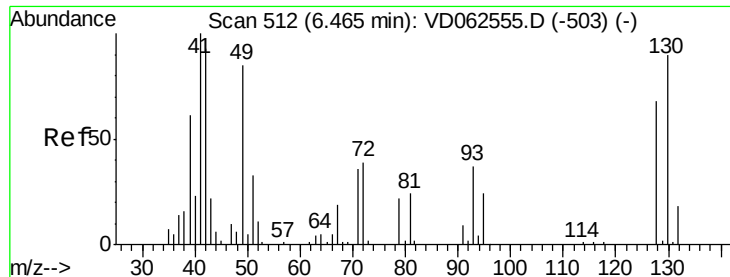
78 100

77 23.8 19.1 28.7



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





#41

Methacrylonitrile

Concen: 55.421 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 338959

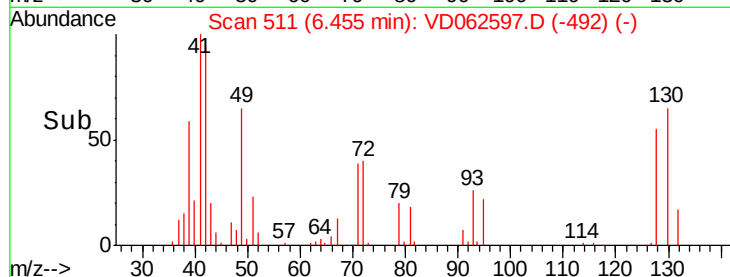
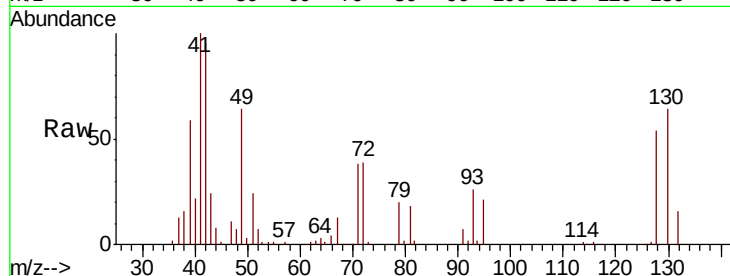
Ion Ratio Lower Upper

41 100

39 58.9 49.0 73.6

67 12.5 15.5 23.3#

52 7.1 8.9 13.3#

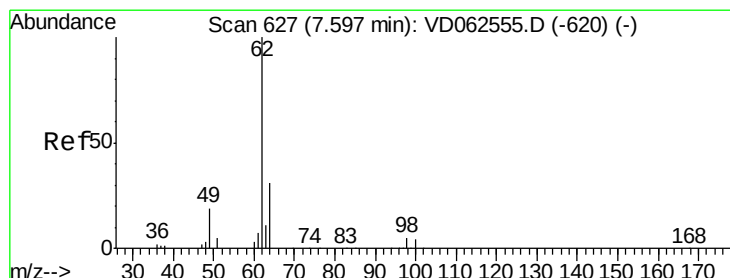
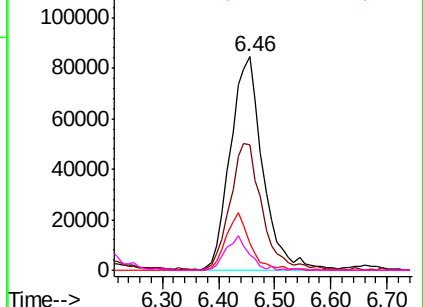


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.321 ug/l

RT: 7.58 min Scan# 625

Delta R.T. -0.02 min

Lab File: VD062597.D

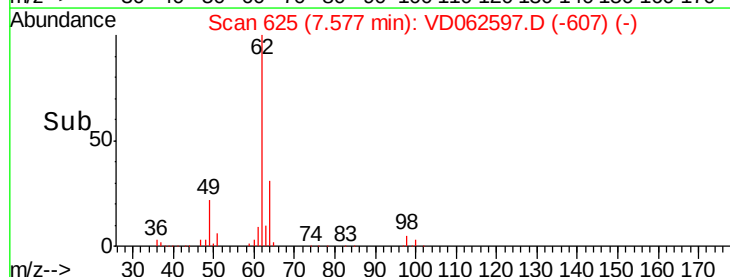
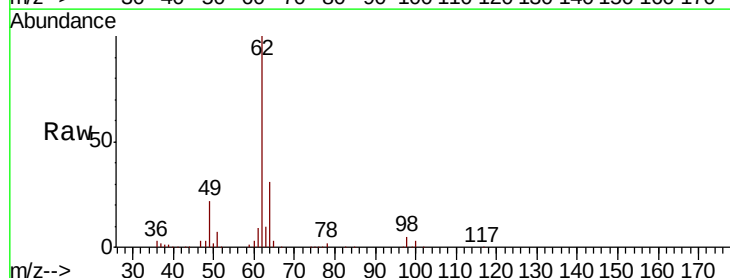
Acq: 4 Jun 2019 13:56

Tgt Ion: 62 Resp: 732116

Ion Ratio Lower Upper

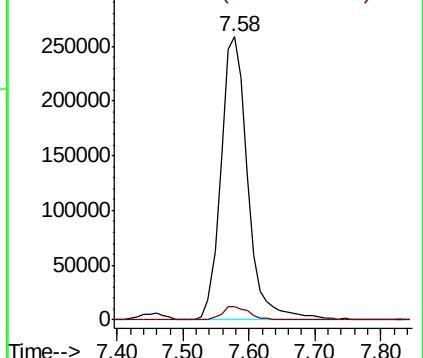
62 100

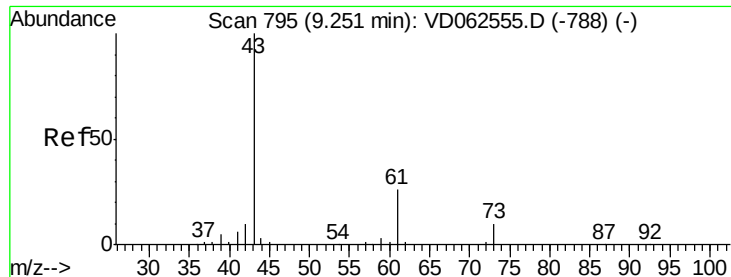
98 4.8 0.0 11.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 56.467 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampleId :

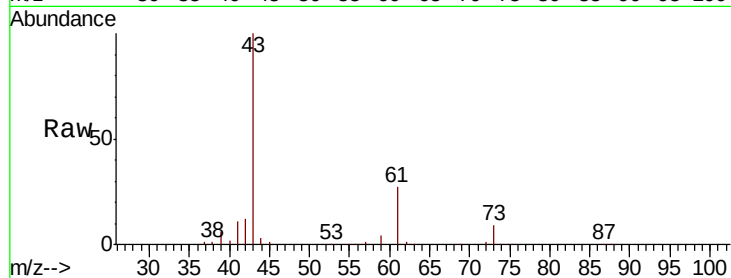
Tot Ion: 43 Resp: 365265

Ion Ratio Lower Upper

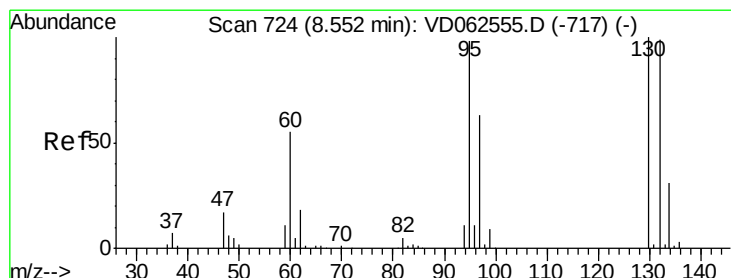
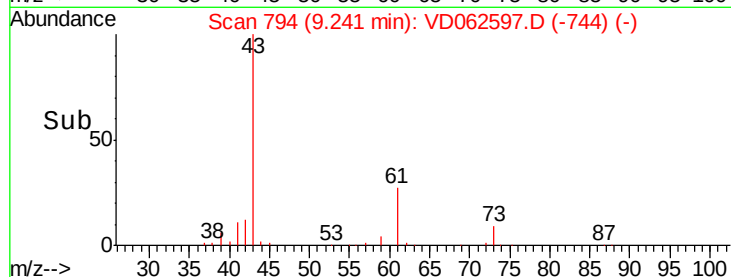
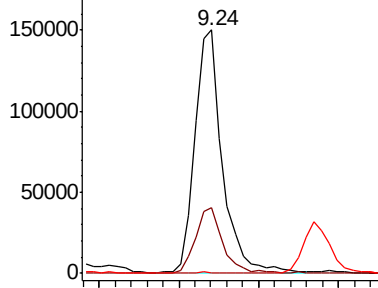
43 100

61 27.2 20.5 30.7

87 0.3 0.2 0.2#



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



#44

Trichloroethene

Concen: 55.196 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD062597.D

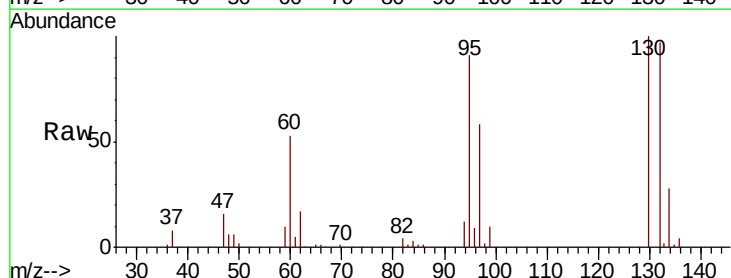
Acq: 4 Jun 2019 13:56

Tgt Ion:130 Resp: 533534

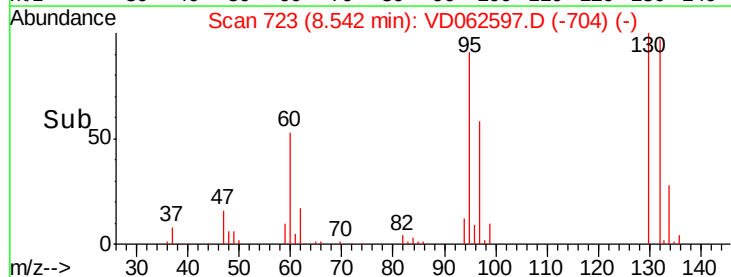
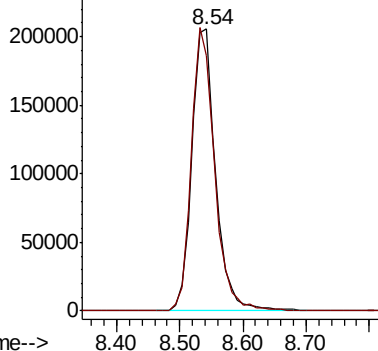
Ion Ratio Lower Upper

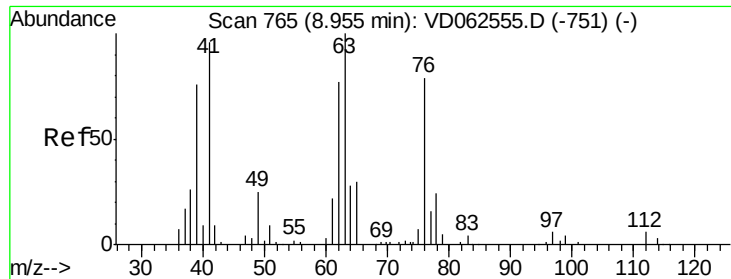
130 100

95 90.5 0.0 196.6



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





#45

1,2-Dichloropropane

Concen: 54.227 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

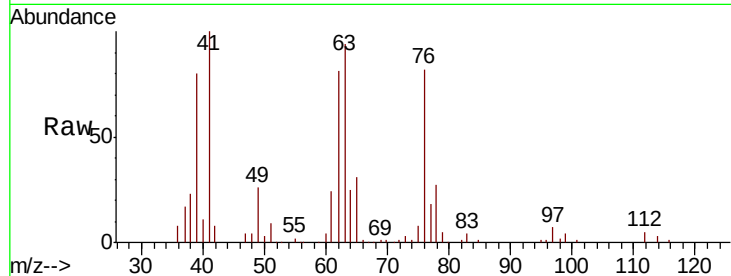
ClientSampleId :

Tot Ion: 63 Resp: 321676

Ion Ratio Lower Upper

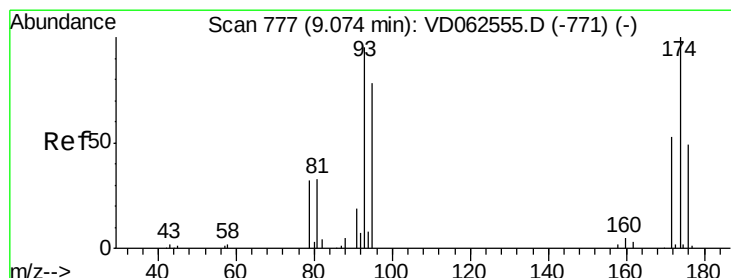
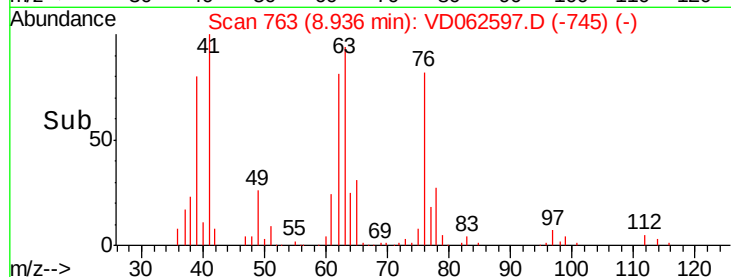
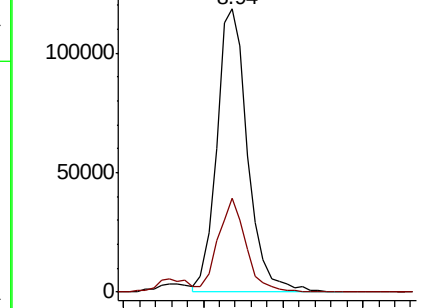
63 100

65 33.2 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 57.695 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

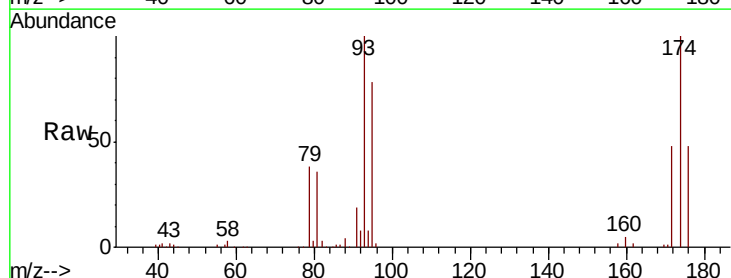
Tgt Ion: 93 Resp: 287475

Ion Ratio Lower Upper

93 100

95 77.6 66.1 99.1

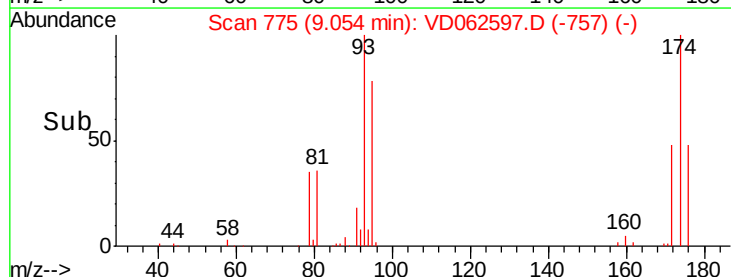
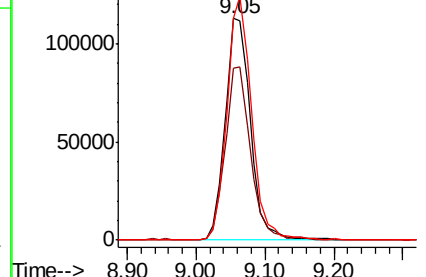
174 100.0 84.2 126.4

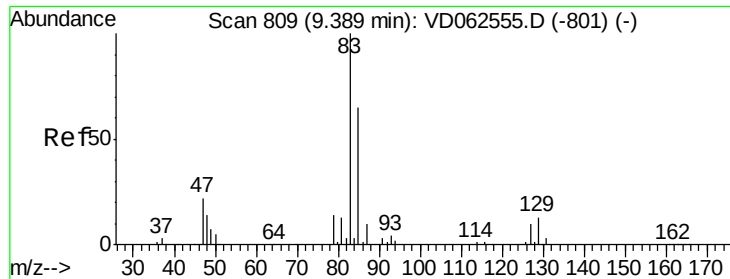


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 55.657 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampleId :

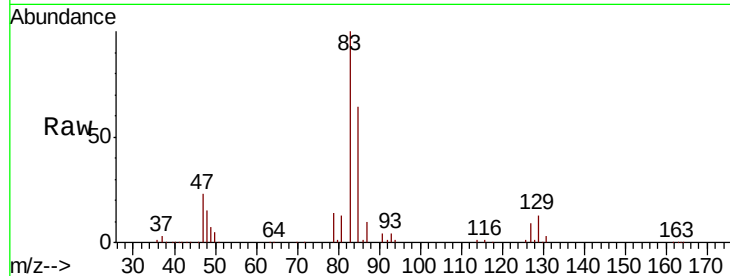
Tot Ion: 83 Resp: 764102

Ion Ratio Lower Upper

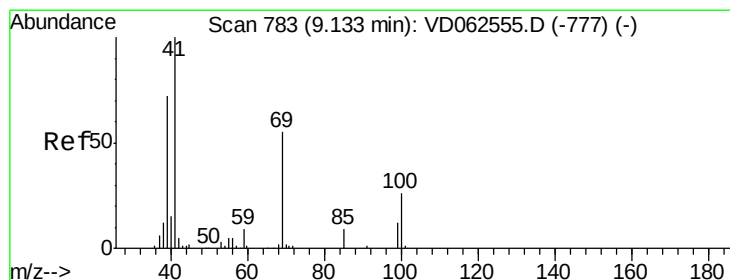
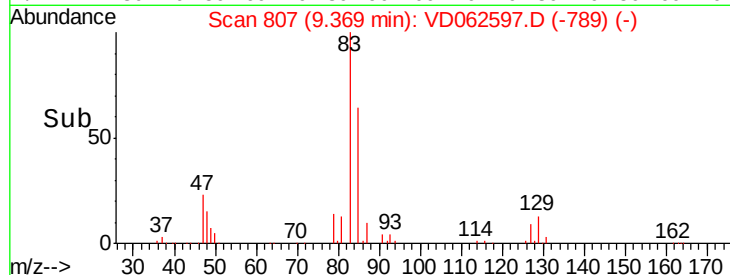
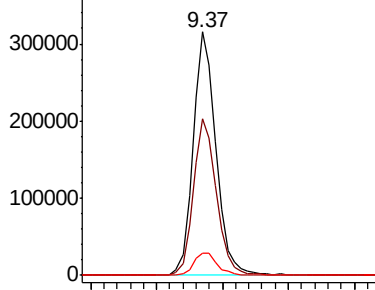
83 100

85 64.3 51.8 77.8

127 9.1 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 55.644 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

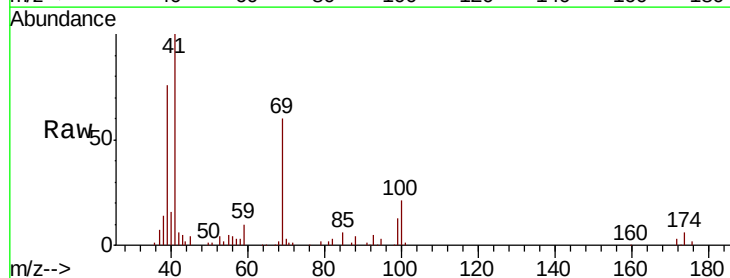
Tgt Ion: 41 Resp: 239735

Ion Ratio Lower Upper

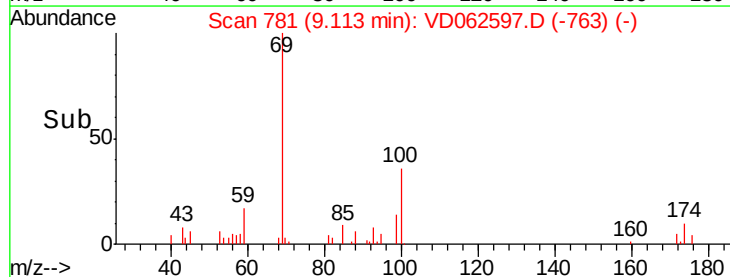
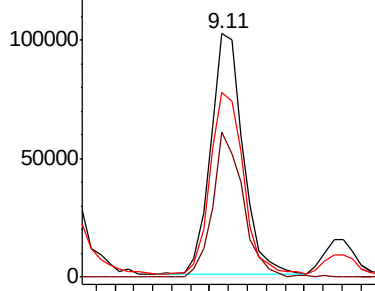
41 100

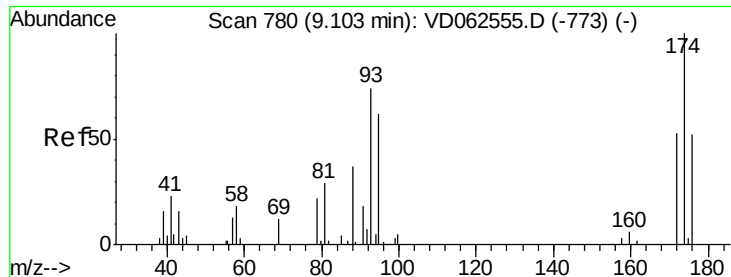
69 59.5 43.6 65.4

39 76.0 58.1 87.1



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

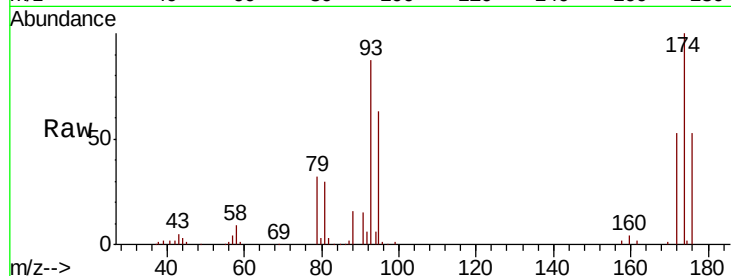




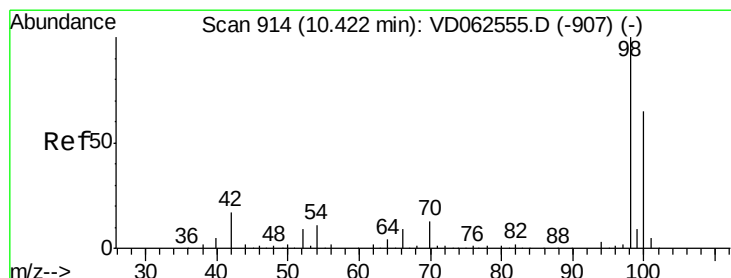
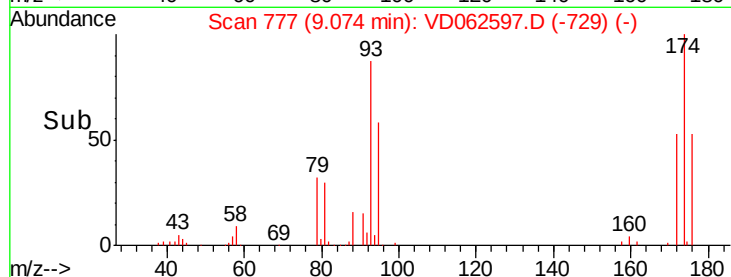
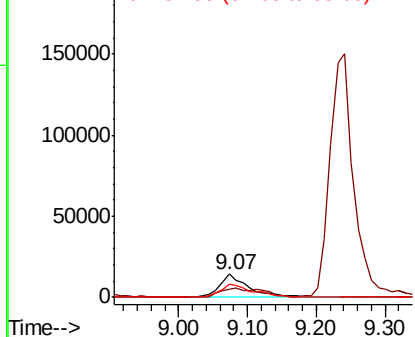
#49
1,4-Dioxane
Concen: 1204.135 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.03 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 42138
Ion Ratio Lower Upper
88 100
43 33.4 37.1 55.7#
58 57.5 39.3 58.9

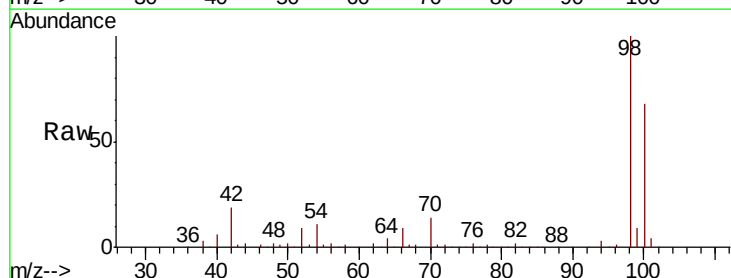


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

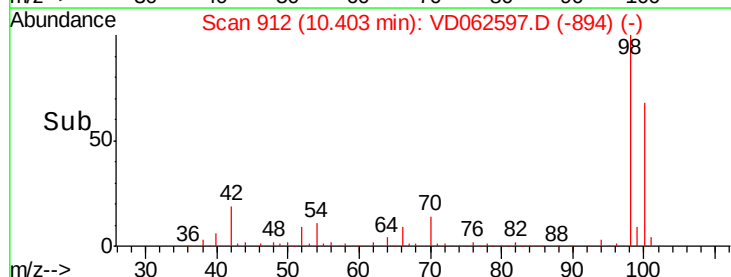
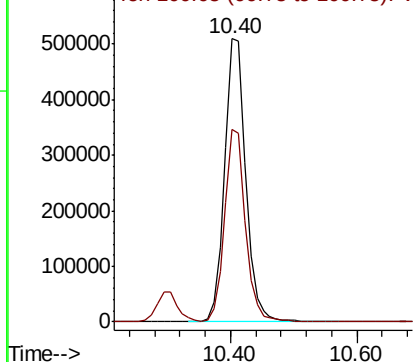


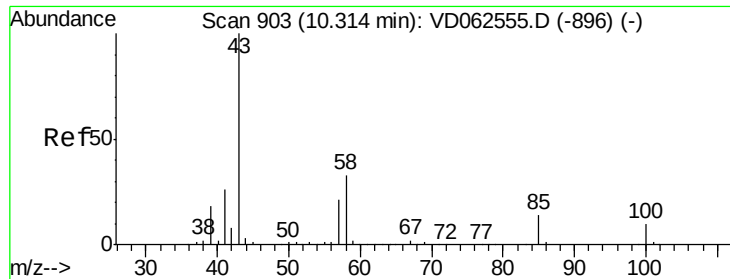
#50
Toluene-d8
Concen: 47.907 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion: 98 Resp: 1184545
Ion Ratio Lower Upper
98 100
100 68.1 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 262.431 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

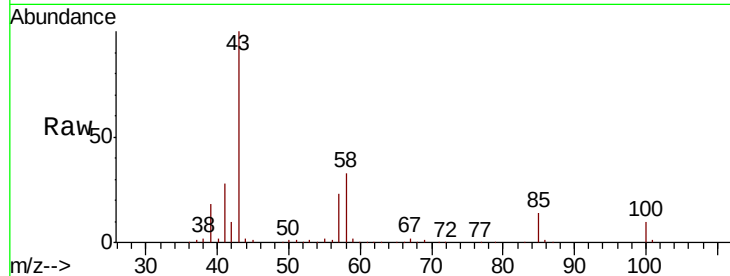
ClientSampled :

Tot Ion: 43 Resp: 1184342

Ion Ratio Lower Upper

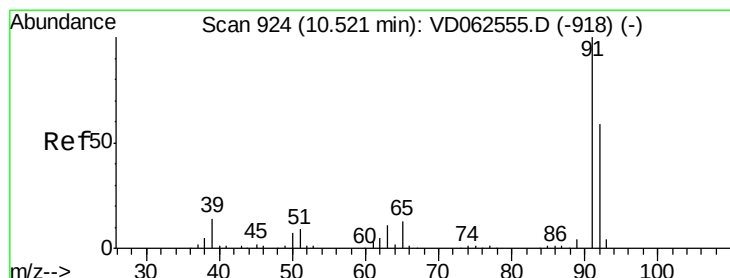
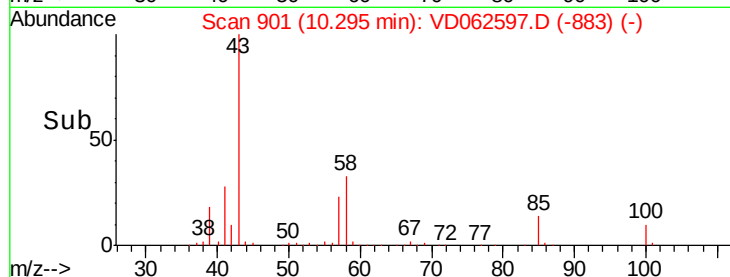
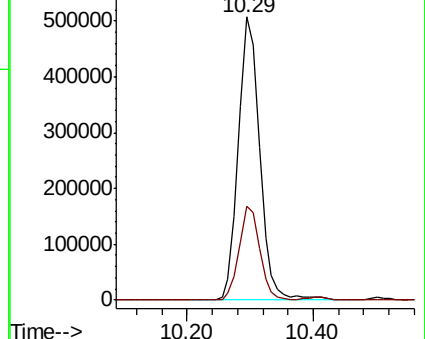
43 100

58 33.3 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.516 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062597.D

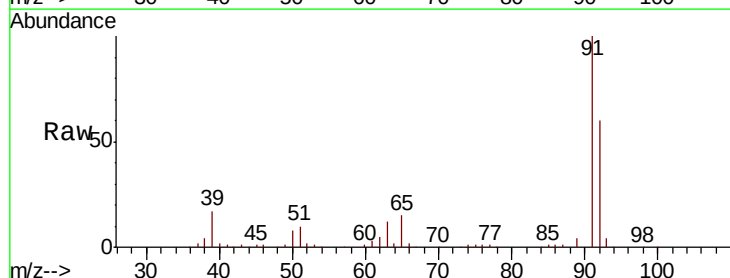
Acq: 4 Jun 2019 13:56

Tgt Ion: 92 Resp: 850126

Ion Ratio Lower Upper

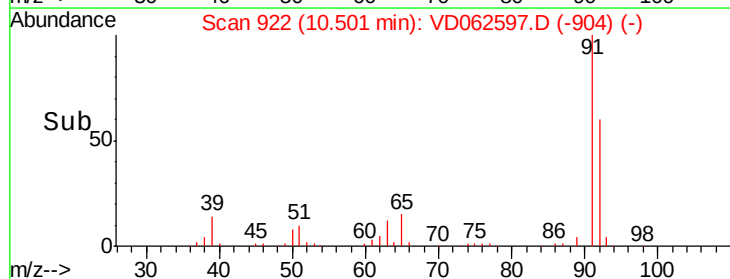
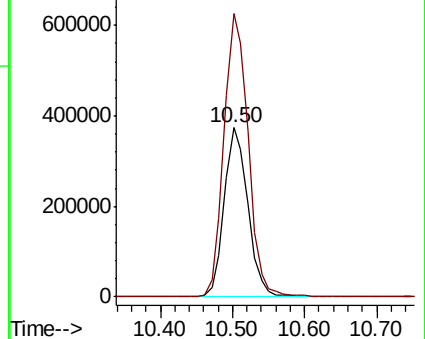
92 100

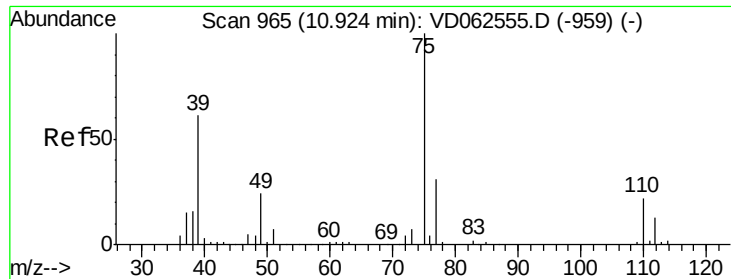
91 167.2 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

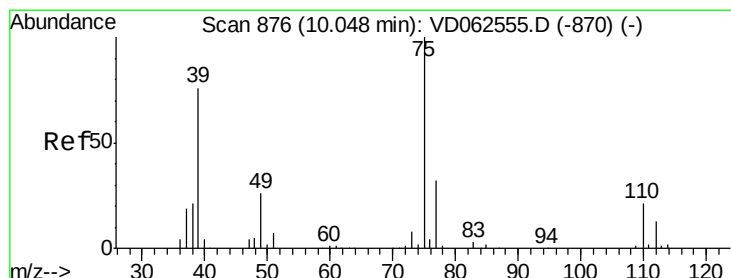
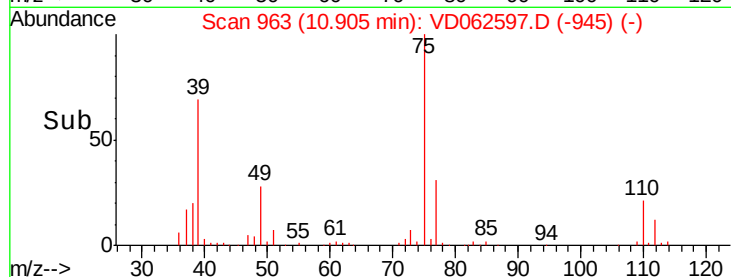
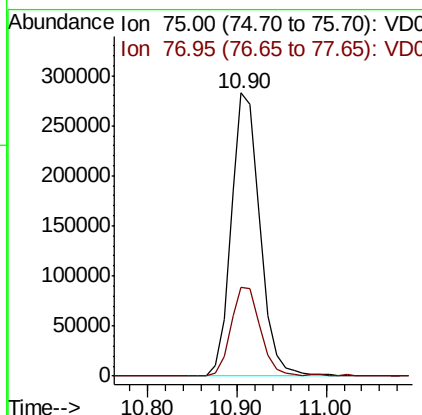
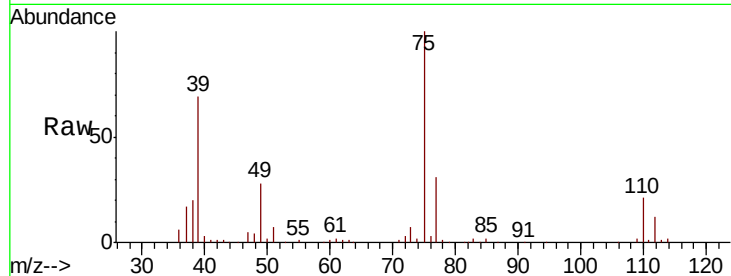




#53
 t-1,3-Dichloropropene
 Concen: 54.715 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

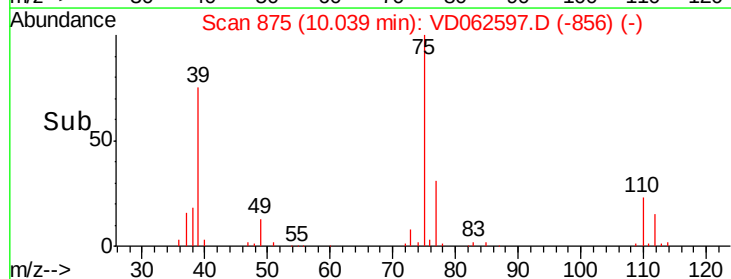
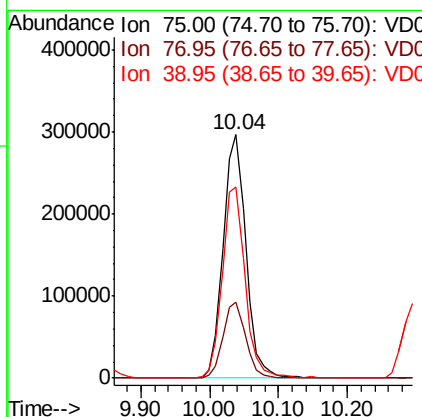
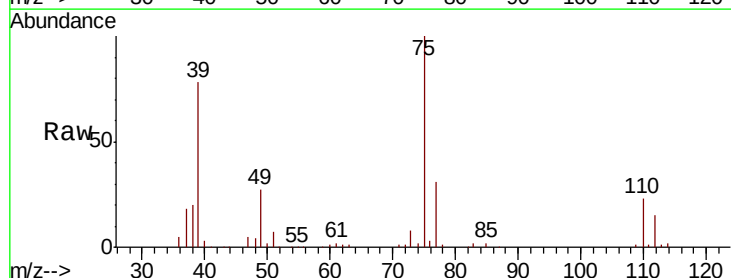
Instrument :
 MSVOA_D
 ClientSampleId :

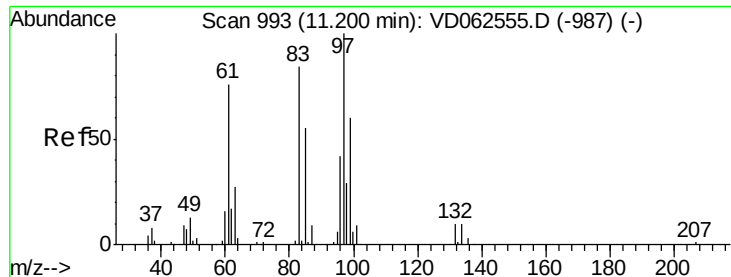
Tot Ion: 75 Resp: 634656
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 56.330 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion: 75 Resp: 679304
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5
 39 78.3 61.0 91.6

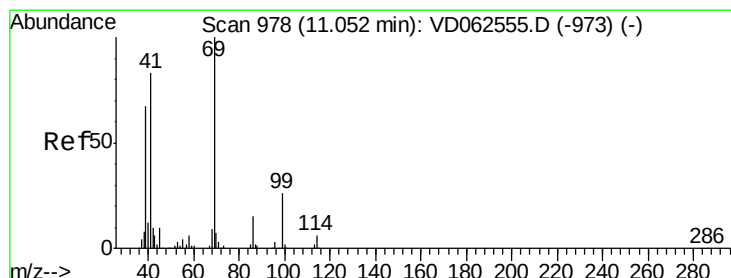
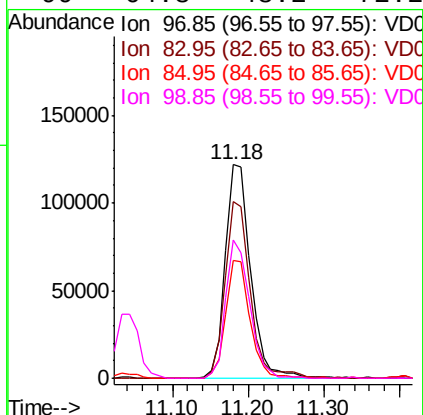
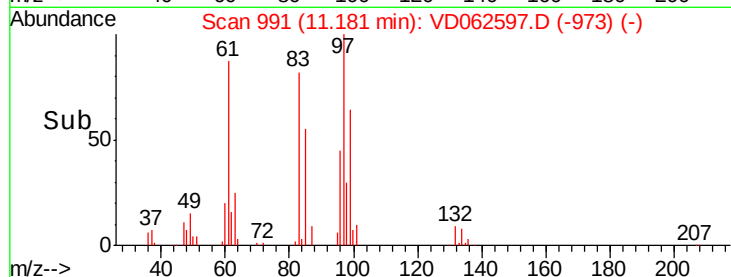
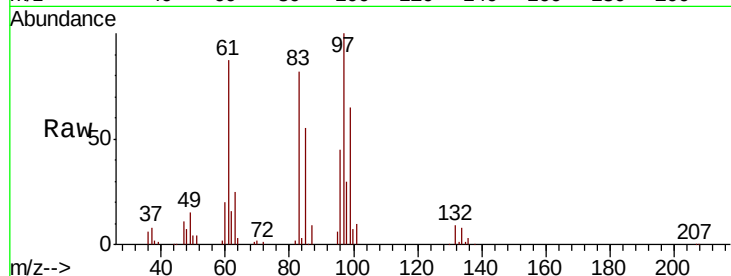




#55
 1,1,2-Trichloroethane
 Concen: 52.075 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

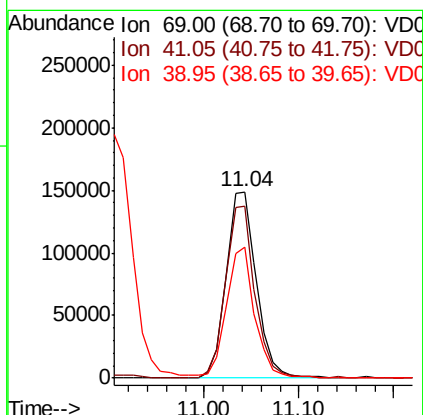
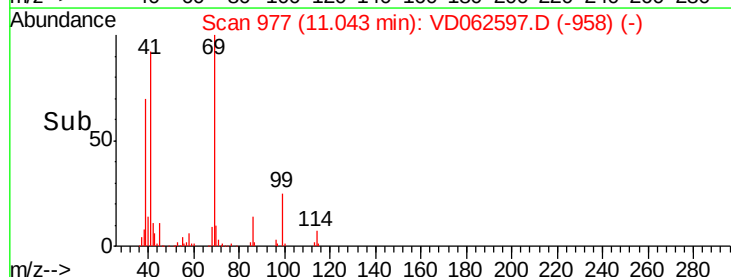
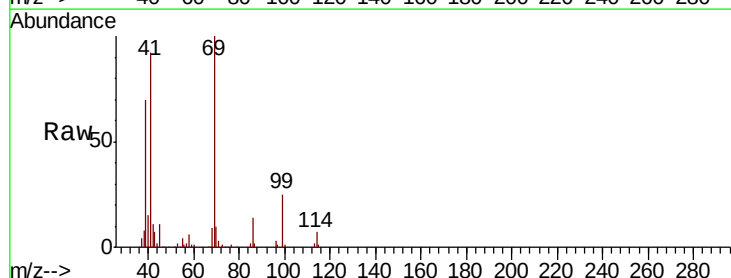
Instrument :
 MSVOA_D
 ClientSampleId :

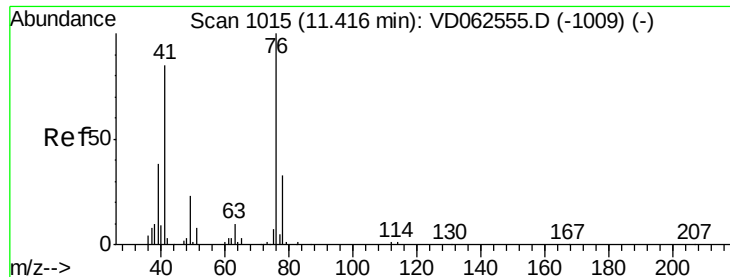
Tot Ion	Resp	Lower	Upper
97	100		
83	82.4	67.3	100.9
85	54.9	43.8	65.8
99	64.8	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 56.671 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion	Resp	Lower	Upper
69	100		
41	92.1	66.1	99.1
39	70.3	54.2	81.2

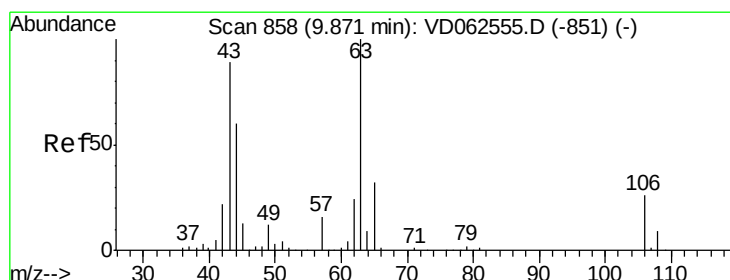
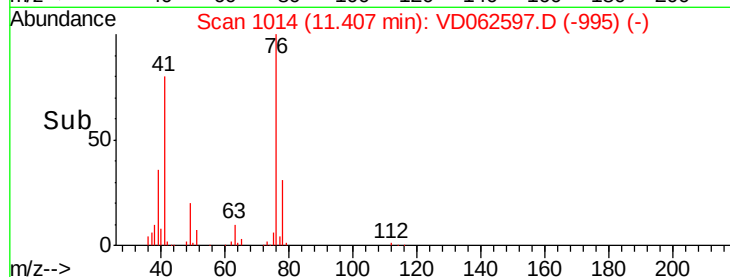
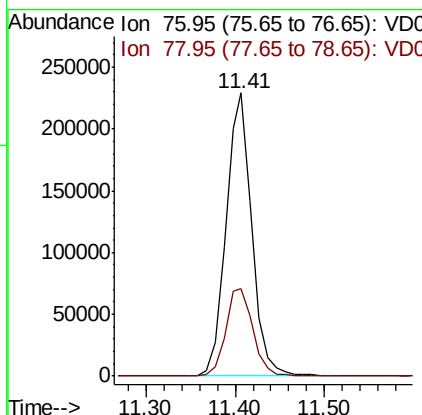
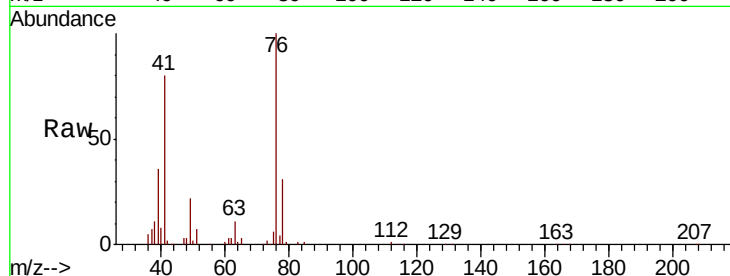




#57
 1,3-Dichloropropane
 Concen: 55.443 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

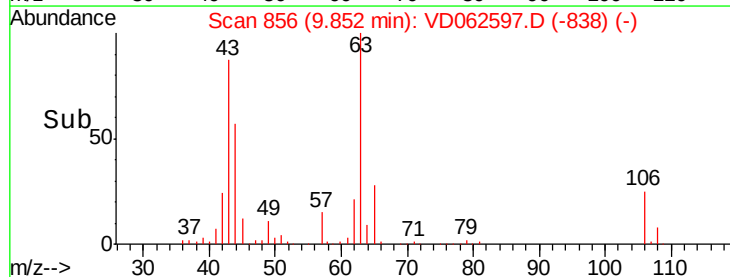
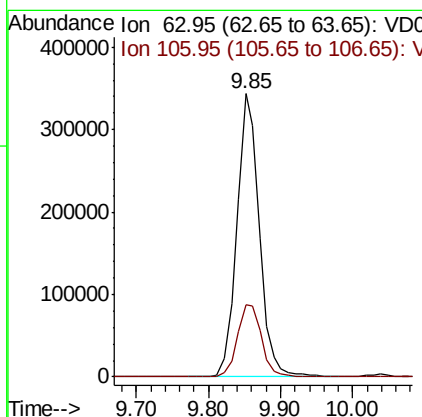
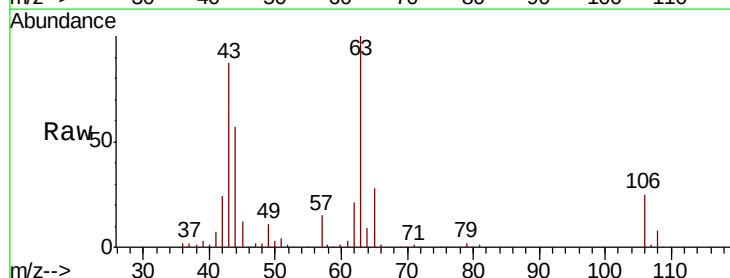
Instrument :
 MSVOA_D
 ClientSampleID :

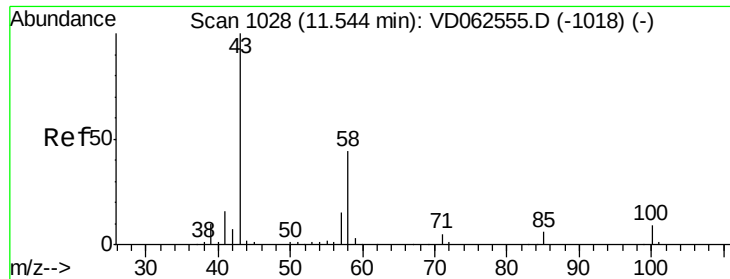
Tot Ion: 76 Resp: 463118
 Ion Ratio Lower Upper
 76 100
 78 30.8 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.307 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion: 63 Resp: 744357
 Ion Ratio Lower Upper
 63 100
 106 25.5 21.0 31.4

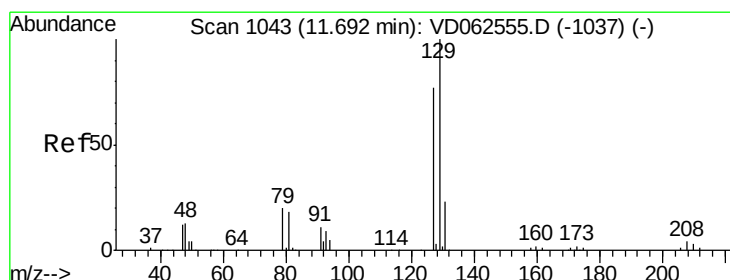
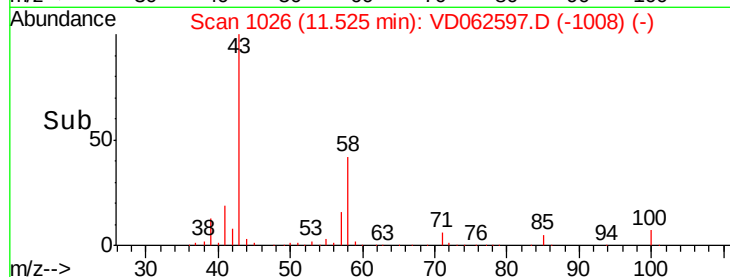
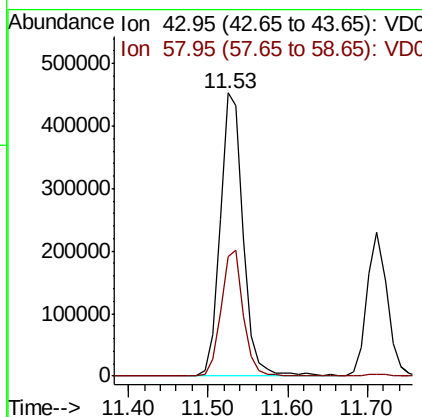
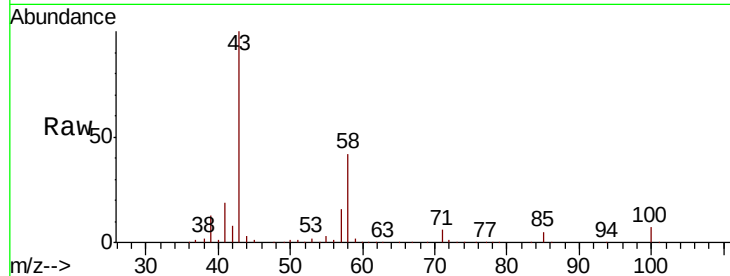




#59
2-Hexanone
Concen: 289.688 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

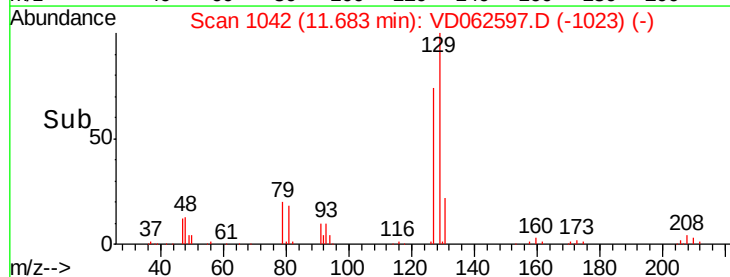
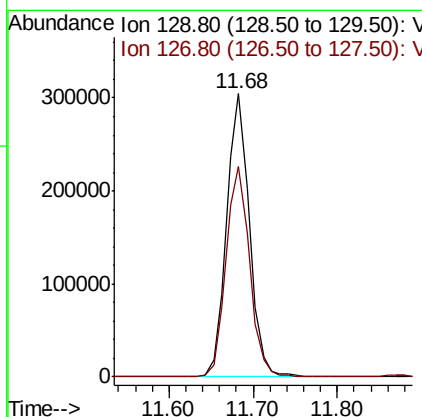
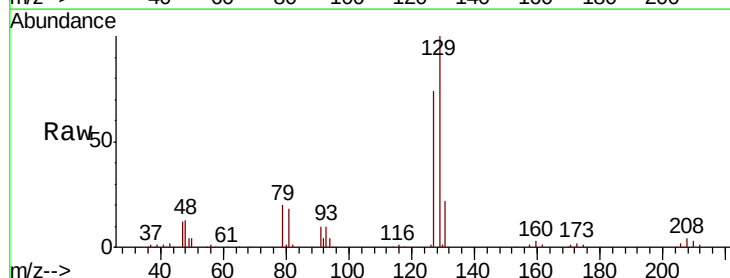
Instrument :
MSVOA_D
ClientSampled :

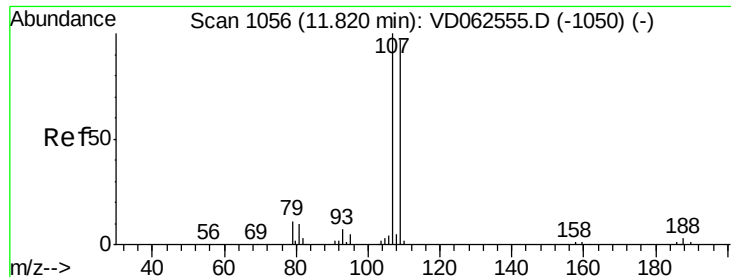
Tot Ion: 43 Resp: 917006
Ion Ratio Lower Upper
43 100
58 42.4 22.0 66.0



#60
Dibromochloromethane
Concen: 54.385 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion: 129 Resp: 572657
Ion Ratio Lower Upper
129 100
127 74.2 38.6 115.8

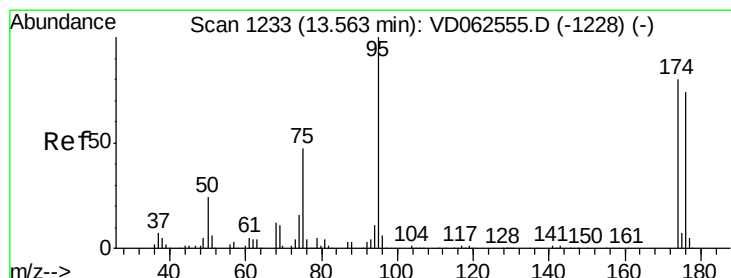
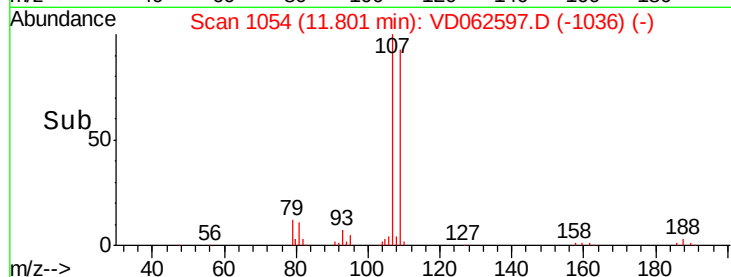
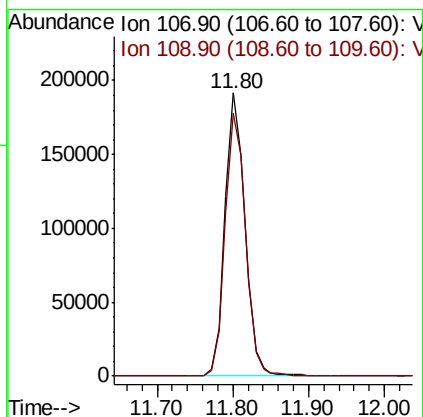
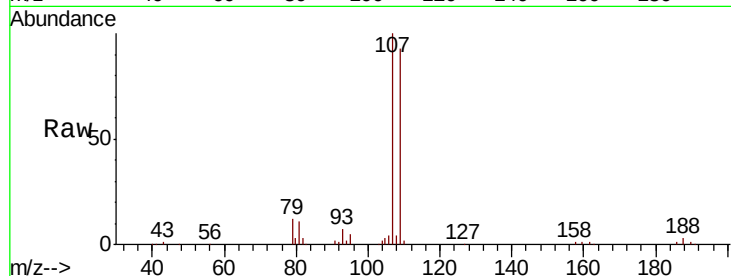




#61
 1,2-Dibromoethane
 Concen: 53.738 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

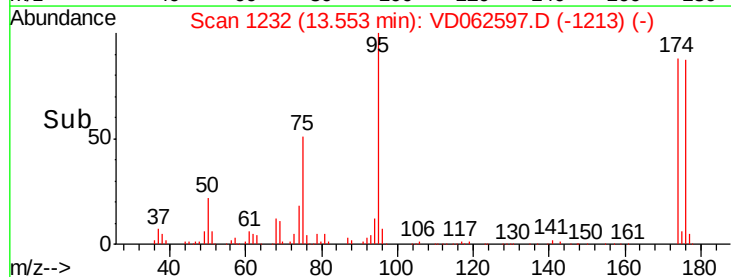
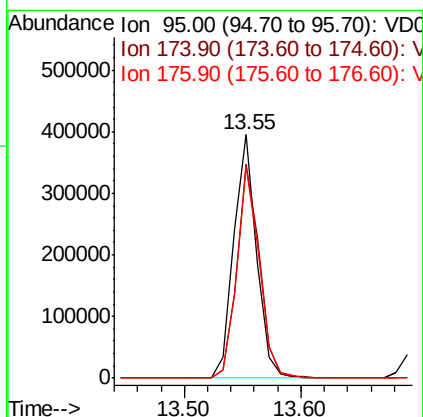
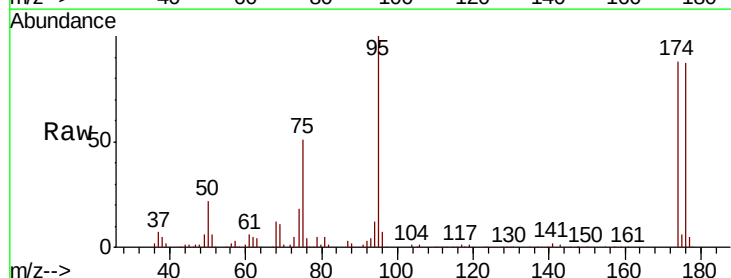
Instrument :
 MSVOA_D
 ClientSampleId :

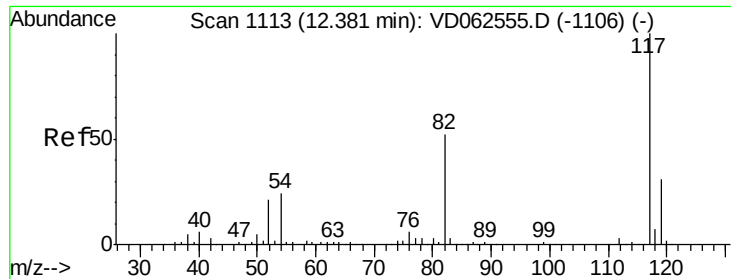
Tot Ion:107 Resp: 350278
 Ion Ratio Lower Upper
 107 100
 109 92.9 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 47.769 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion: 95 Resp: 532664
 Ion Ratio Lower Upper
 95 100
 174 87.9 0.0 160.2
 176 86.8 0.0 148.0

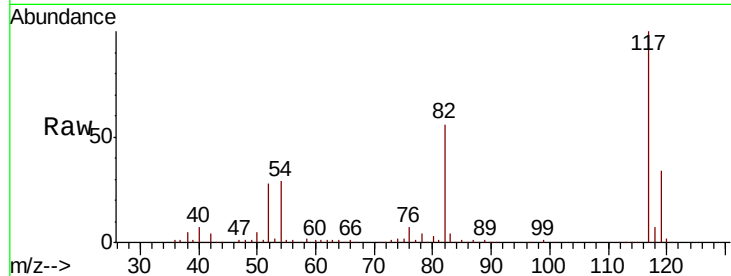




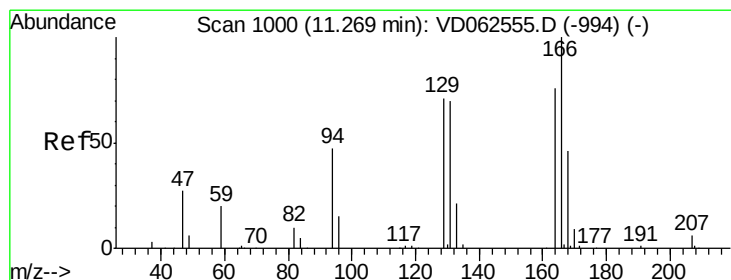
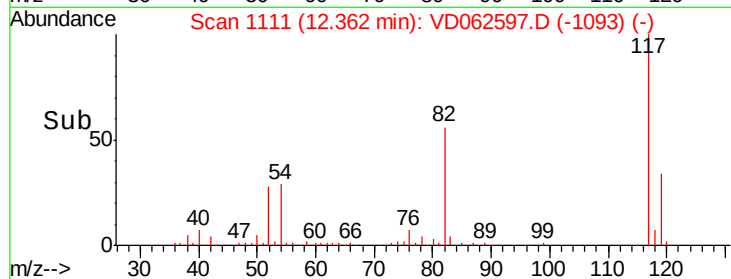
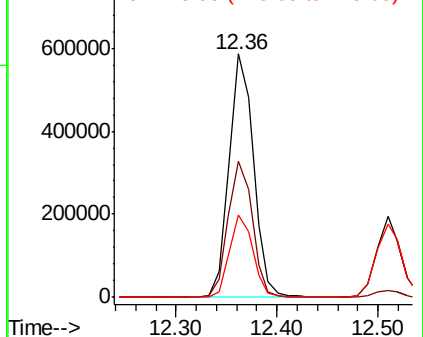
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 986696
Ion Ratio Lower Upper
117 100
82 56.1 41.4 62.2
119 33.6 24.9 37.3

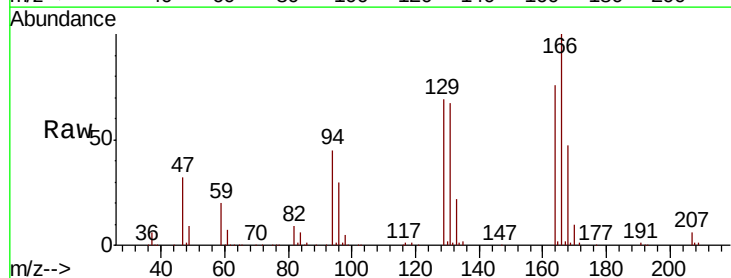


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

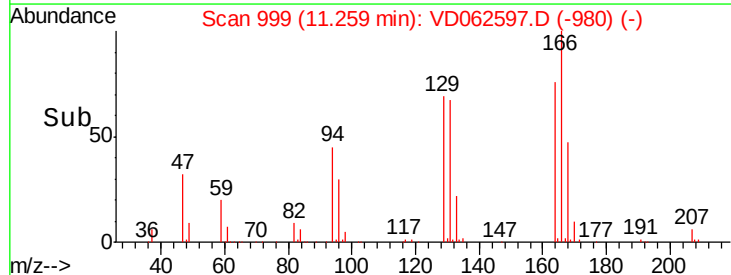
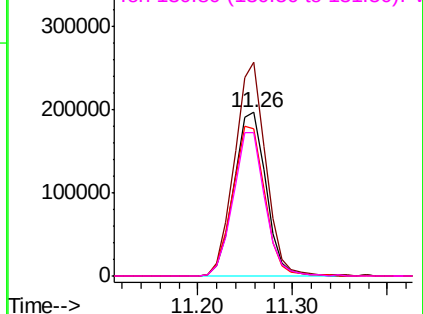


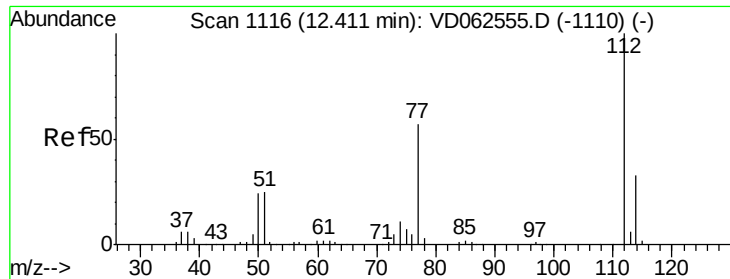
#64
Tetrachloroethene
Concen: 52.711 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion:164 Resp: 459760
Ion Ratio Lower Upper
164 100
166 130.8 105.3 157.9
129 89.9 75.3 112.9
131 87.7 73.3 109.9



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

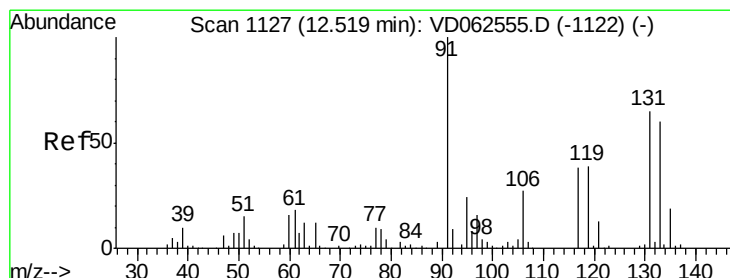
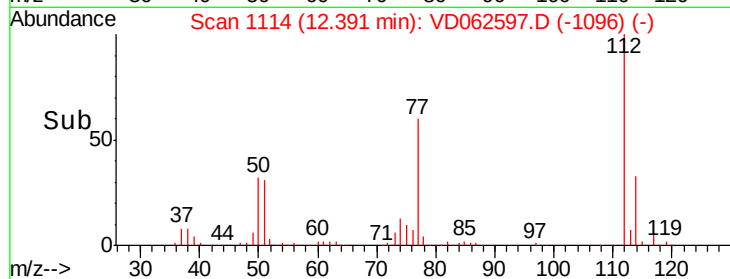
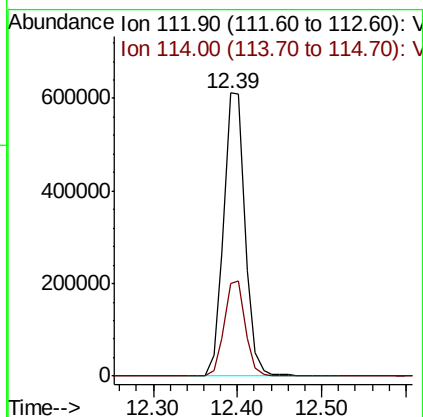
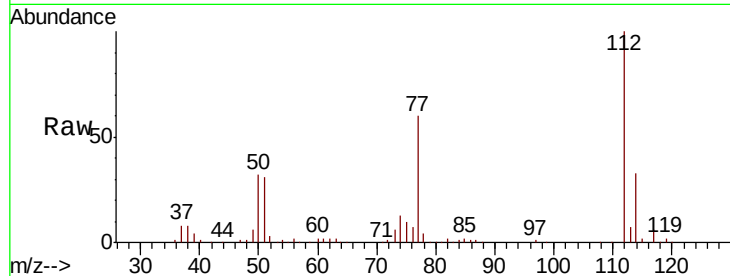




#65
Chlorobenzene
Concen: 56.636 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

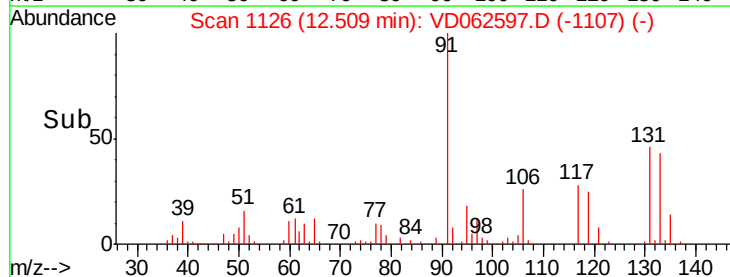
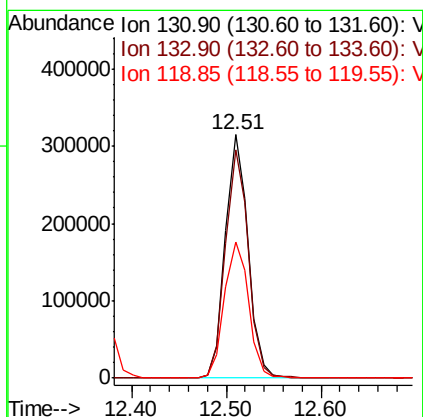
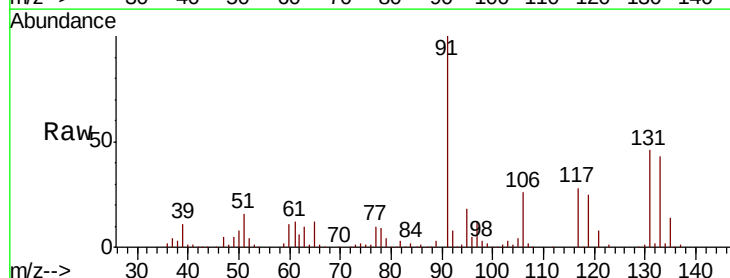
Instrument :
MSVOA_D
ClientSampleId :

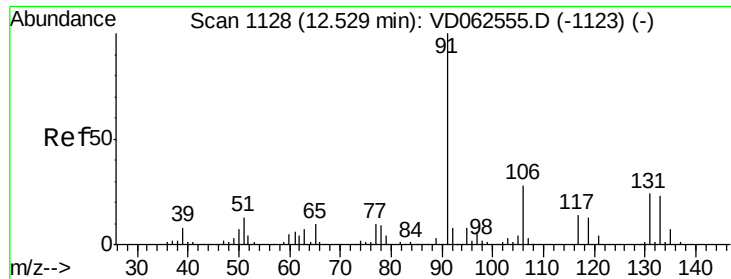
Tot Ion:112 Resp: 1088648
Ion Ratio Lower Upper
112 100
114 32.6 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.557 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion:131 Resp: 523227
Ion Ratio Lower Upper
131 100
133 93.6 46.2 138.6
119 55.9 29.5 88.6

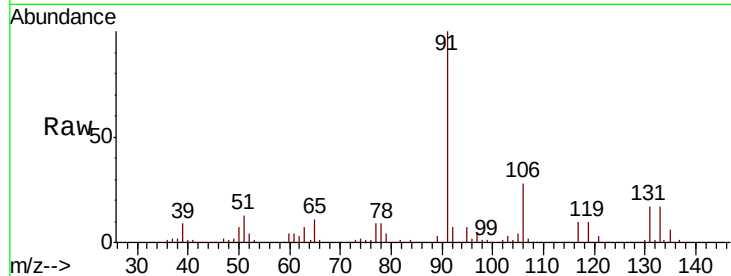




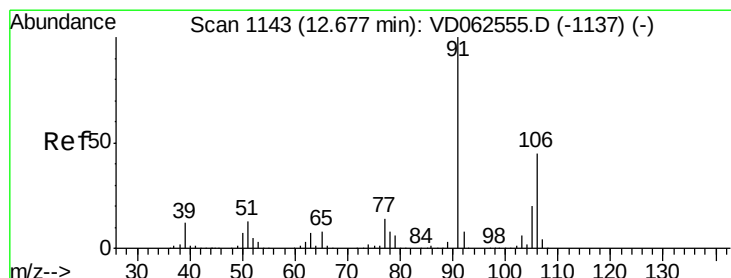
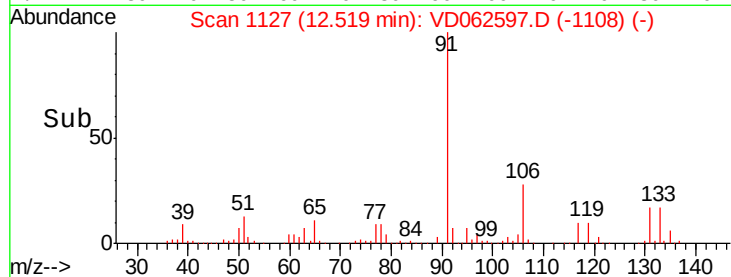
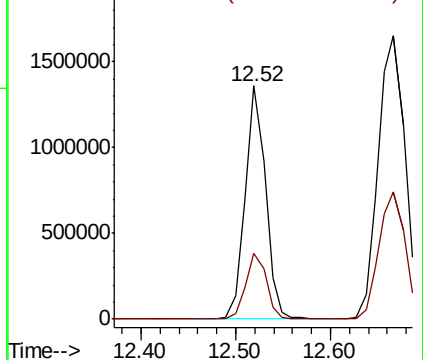
#67
Ethyl Benzene
Concen: 57.688 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 2031645
Ion Ratio Lower Upper
91 100
106 28.1 22.2 33.2

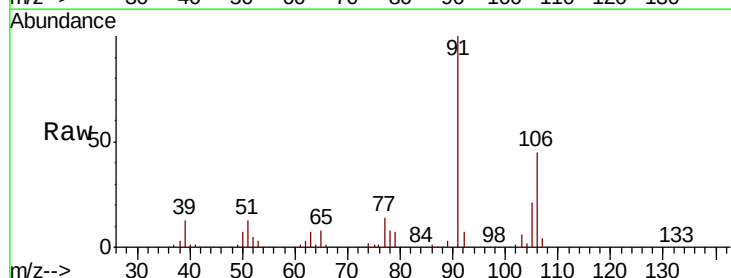


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

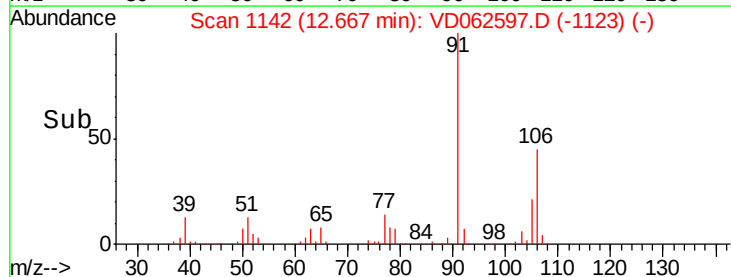
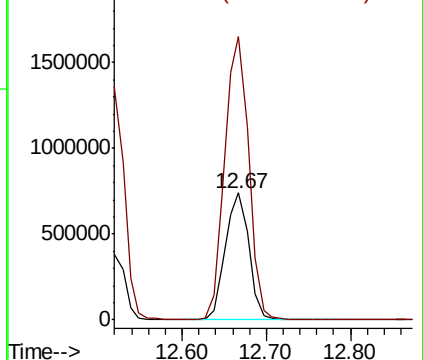


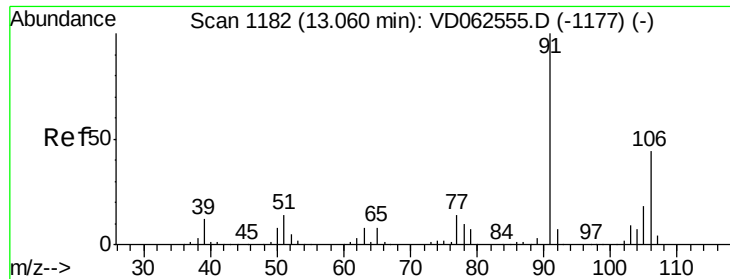
#68
m/p-Xylenes
Concen: 118.307 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion: 106 Resp: 1441317
Ion Ratio Lower Upper
106 100
91 222.6 178.9 268.3



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

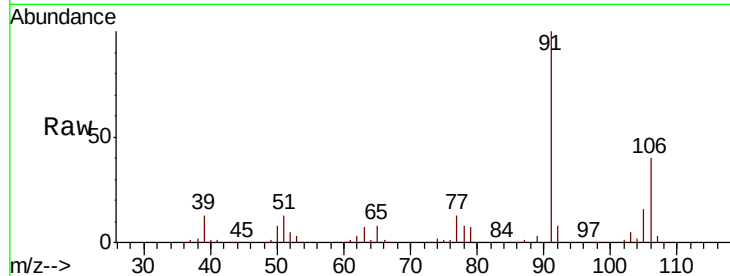




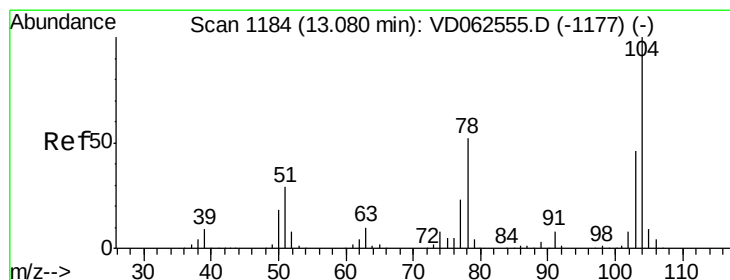
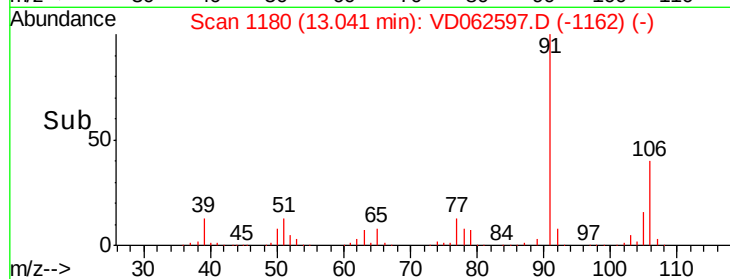
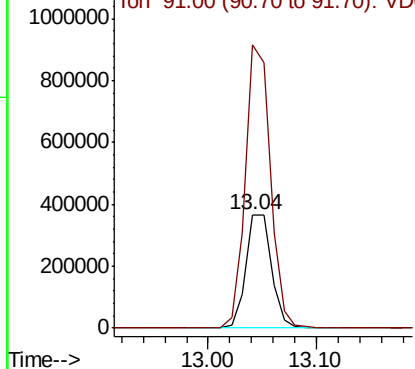
#69
o-Xylene
Concen: 52.190 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 606538
Ion Ratio Lower Upper
106 100
91 249.1 113.9 341.8

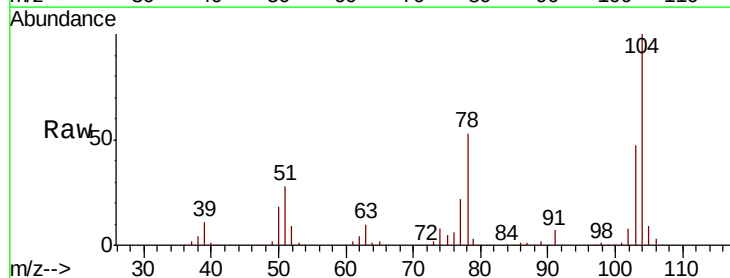


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

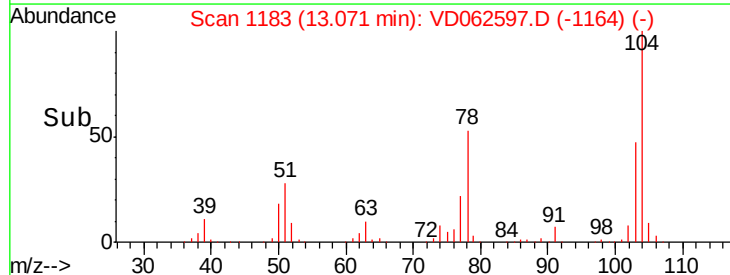
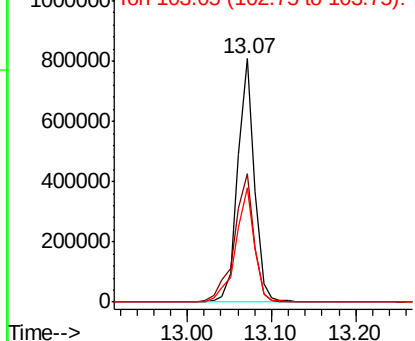


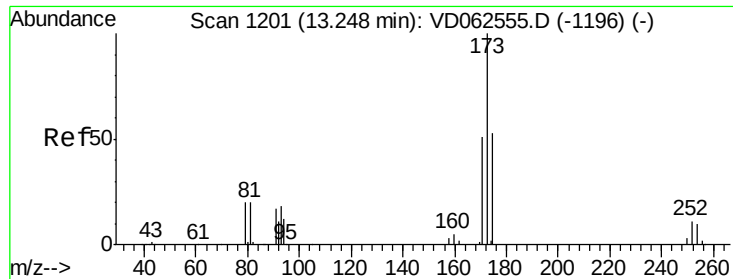
#70
Styrene
Concen: 56.146 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion:104 Resp: 1107920
Ion Ratio Lower Upper
104 100
78 53.0 41.5 62.3
103 46.8 36.6 55.0



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





#71

Bromoform

Concen: 55.828 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampleId :

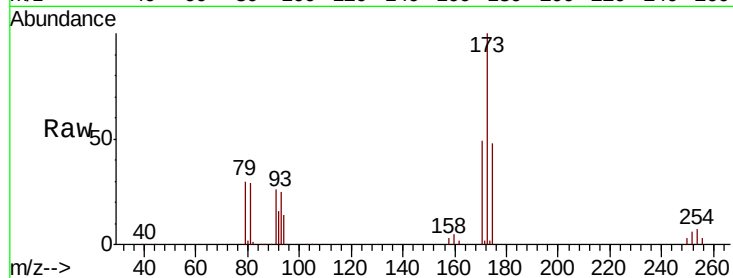
Tot Ion:173 Resp: 356267

Ion Ratio Lower Upper

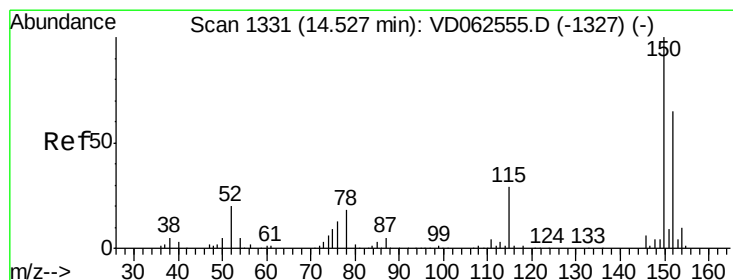
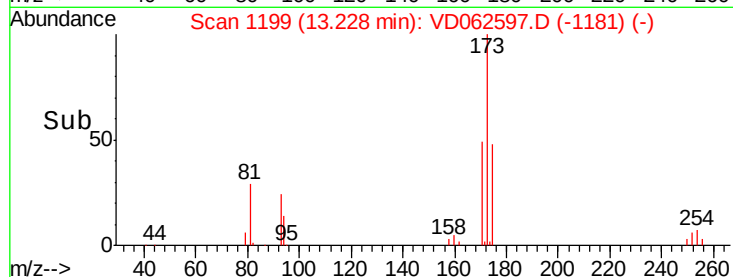
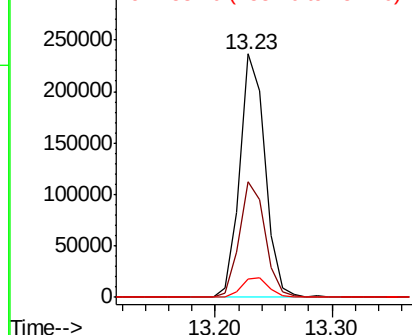
173 100

175 47.7 26.6 79.7

254 7.5 8.1 12.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

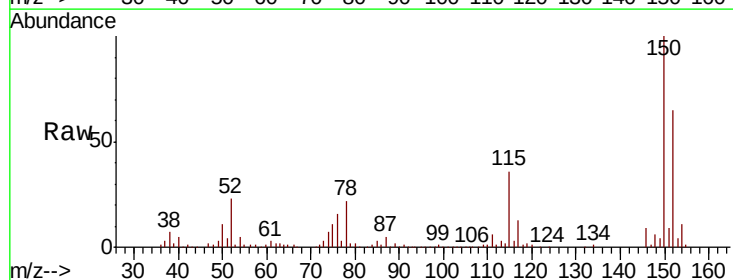
Tgt Ion:152 Resp: 530165

Ion Ratio Lower Upper

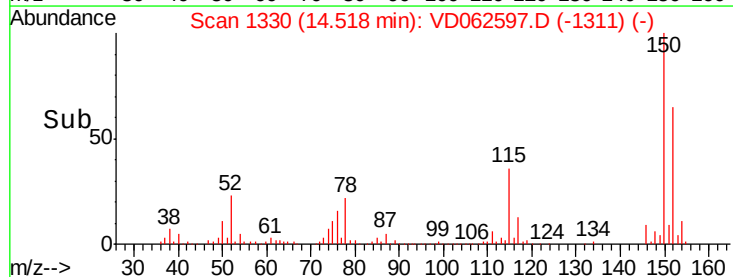
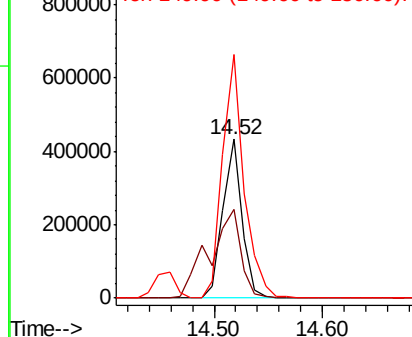
152 100

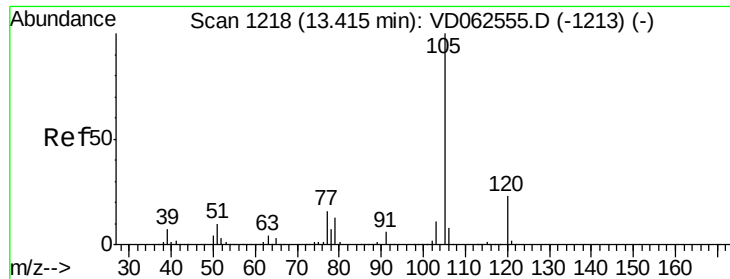
115 55.6 28.4 85.3

150 153.5 0.0 310.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.514 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

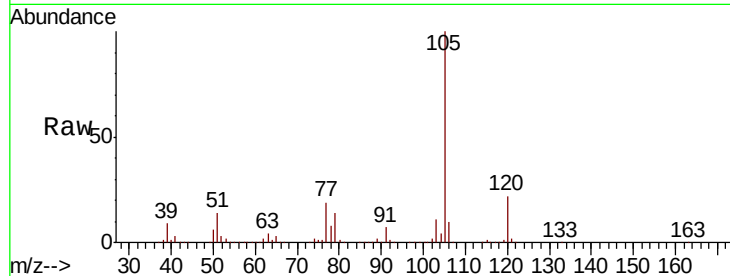
ClientSampled :

Tot Ion:105 Resp: 2010197

Ion Ratio Lower Upper

105 100

120 21.9 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1500000

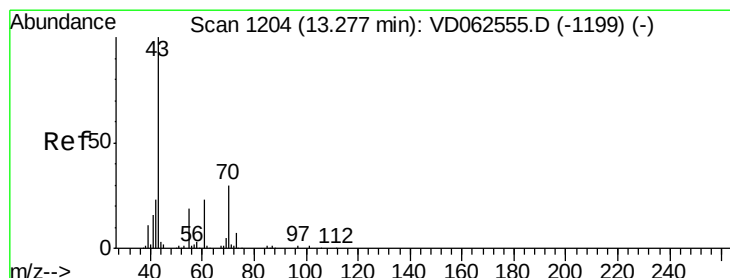
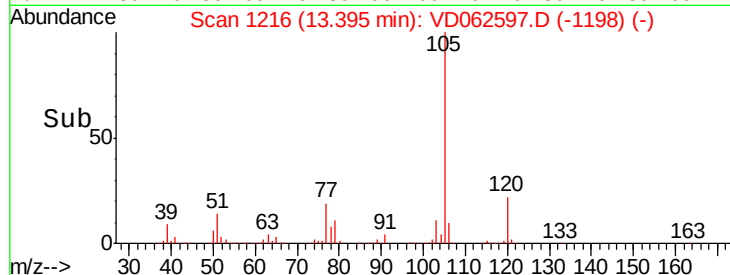
13.40

1000000

500000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 55.671 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Tgt Ion: 43 Resp: 496134

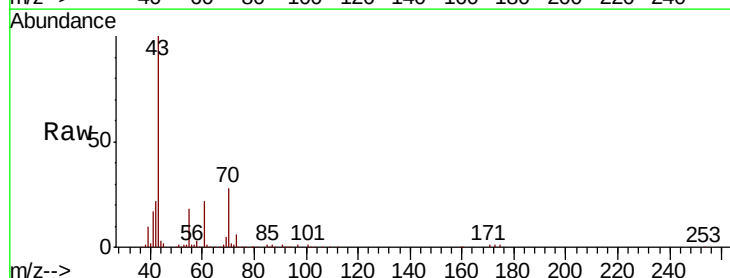
Ion Ratio Lower Upper

43 100

70 28.4 23.7 35.5

55 18.5 15.0 22.4

61 22.2 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

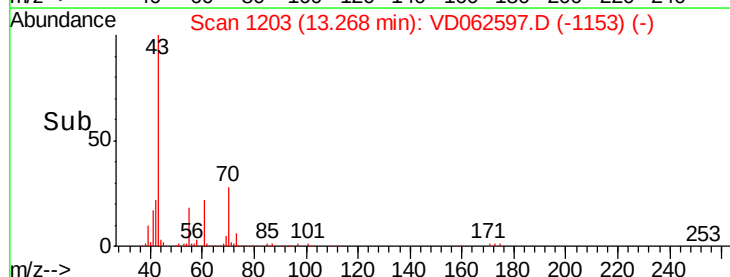
300000

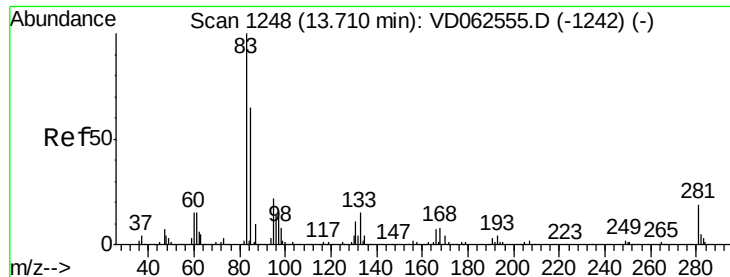
200000

100000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 57.191 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampleId :

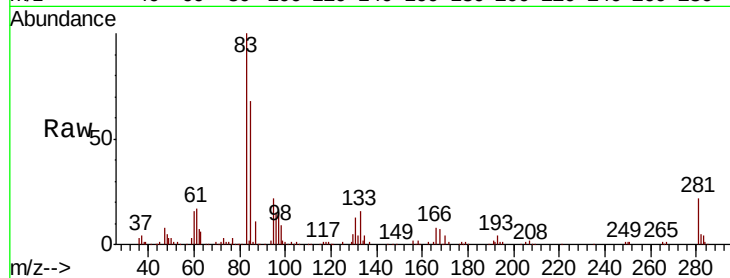
Tot Ion: 83 Resp: 317019

Ion Ratio Lower Upper

83 100

131 13.3 5.7 17.1

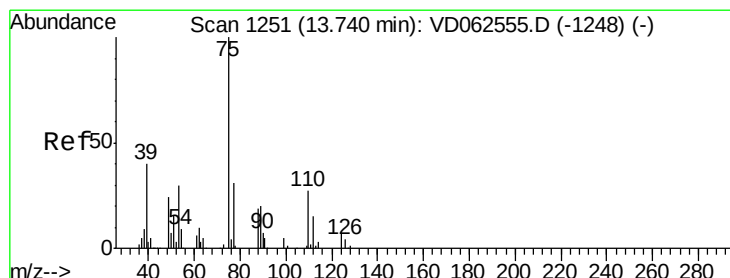
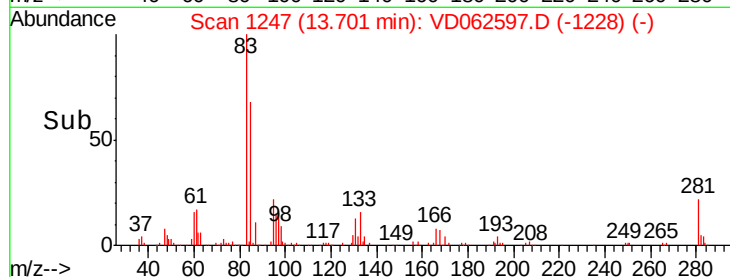
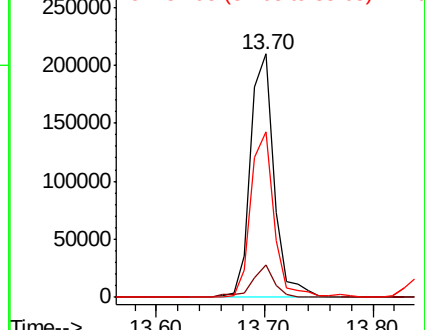
85 68.1 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 59.786 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD062597.D

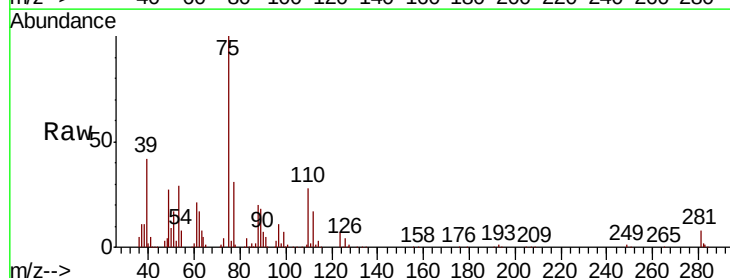
Acq: 4 Jun 2019 13:56

Tgt Ion: 75 Resp: 380266

Ion Ratio Lower Upper

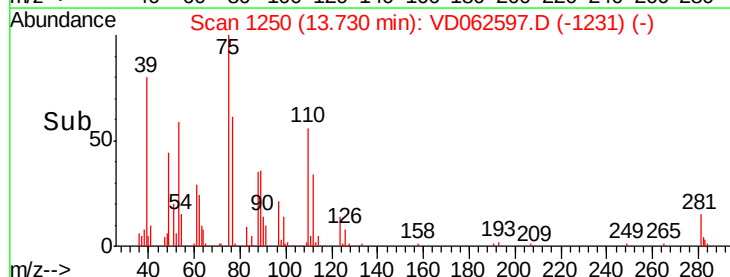
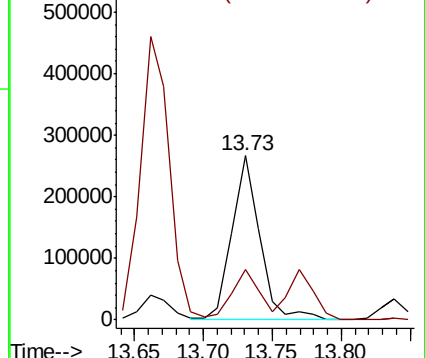
75 100

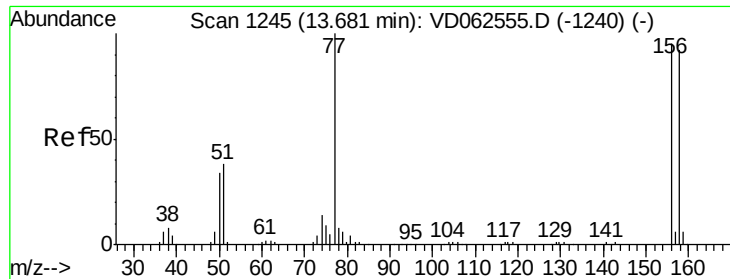
77 31.0 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

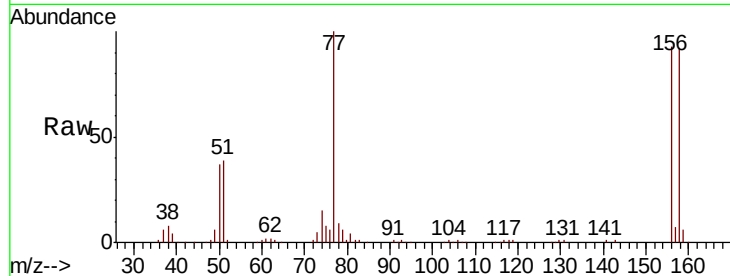




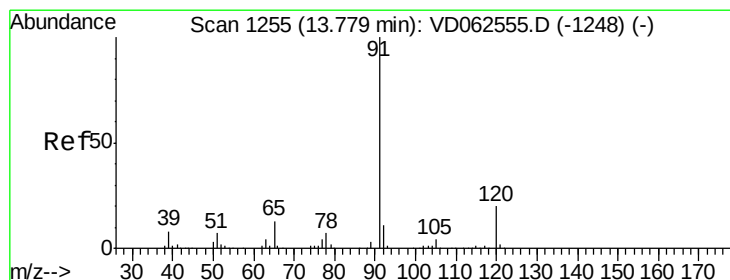
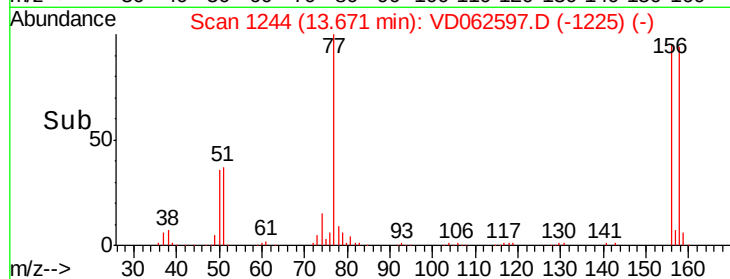
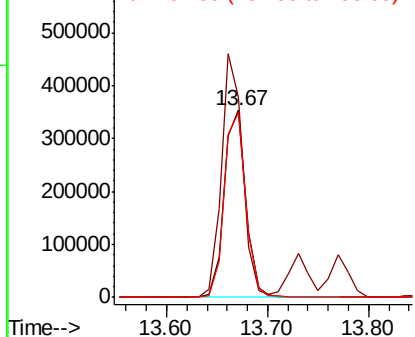
#77
Bromobenzene
Concen: 54.585 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:156 Resp: 523090
Ion Ratio Lower Upper
156 100
77 107.3 52.9 158.7
158 99.1 48.5 145.5

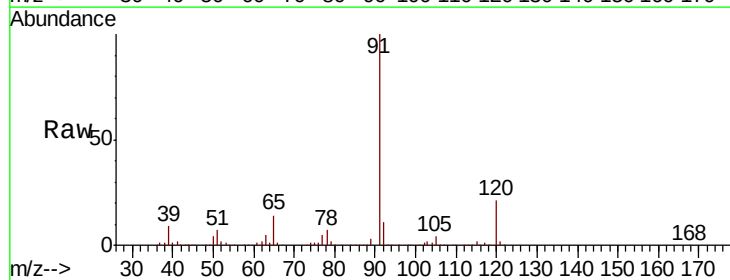


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

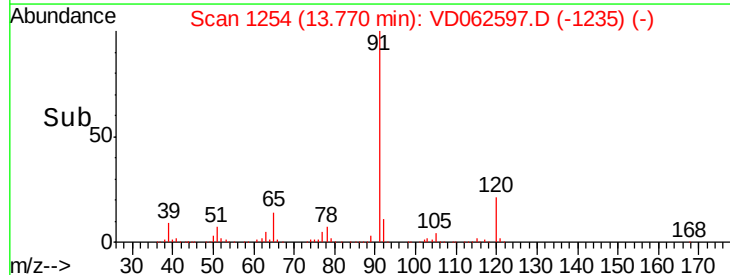
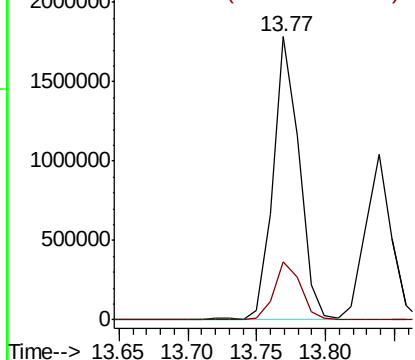


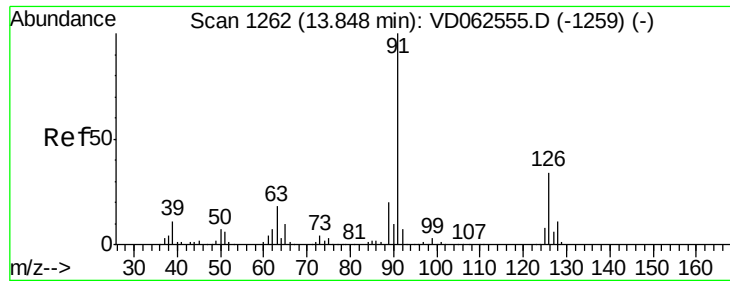
#78
n-propylbenzene
Concen: 58.159 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion: 91 Resp: 2343052
Ion Ratio Lower Upper
91 100
120 20.5 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 58.421 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

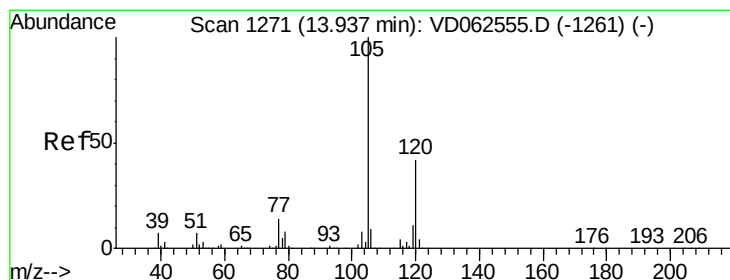
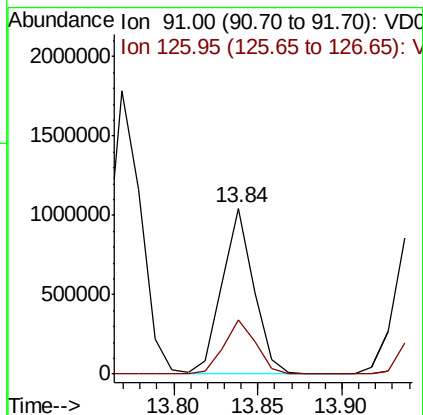
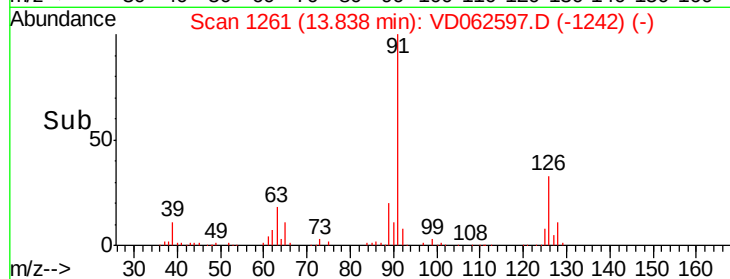
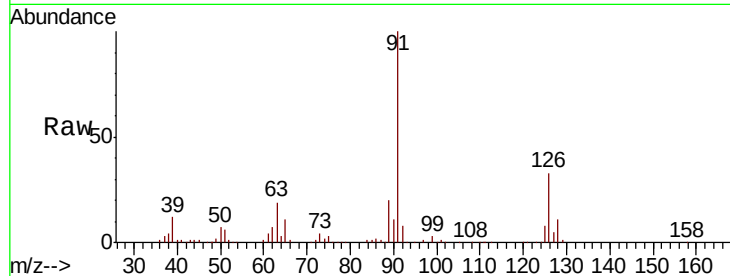
ClientSampleId :

Tot Ion: 91 Resp: 1364699

Ion Ratio Lower Upper

91 100

126 32.8 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 58.068 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062597.D

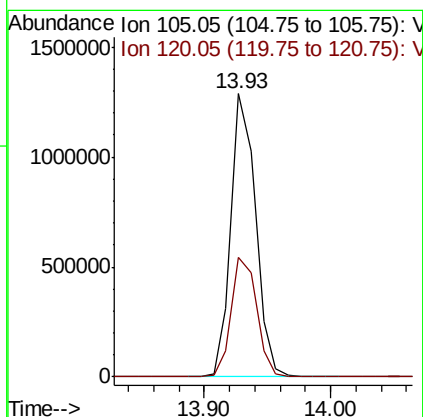
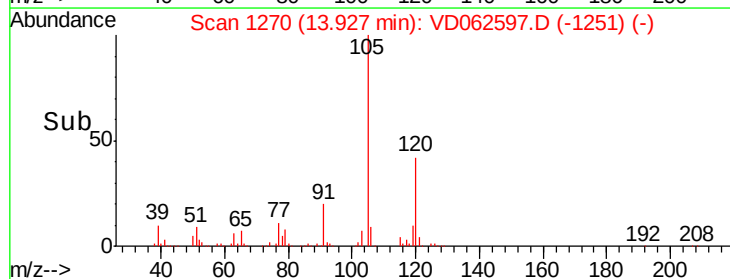
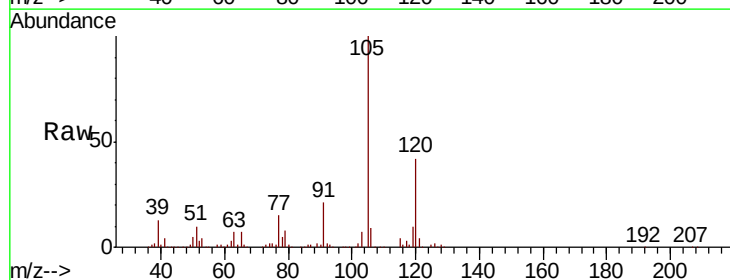
Acq: 4 Jun 2019 13:56

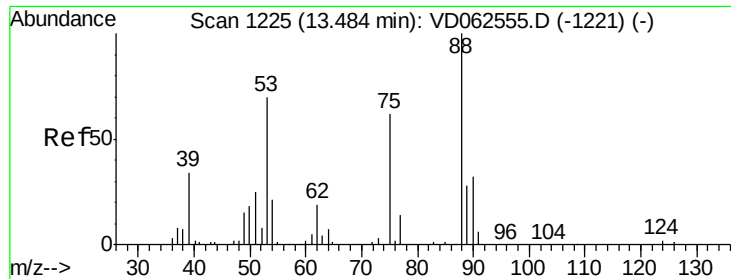
Tgt Ion: 105 Resp: 1734273

Ion Ratio Lower Upper

105 100

120 42.0 20.8 62.5

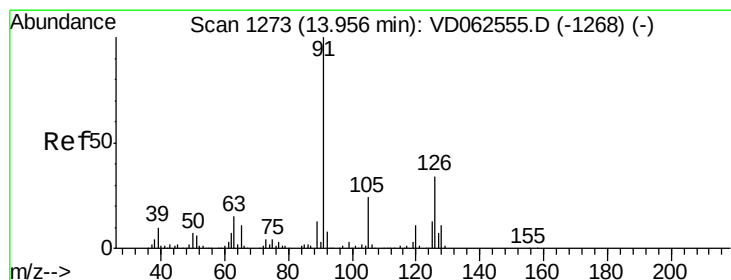
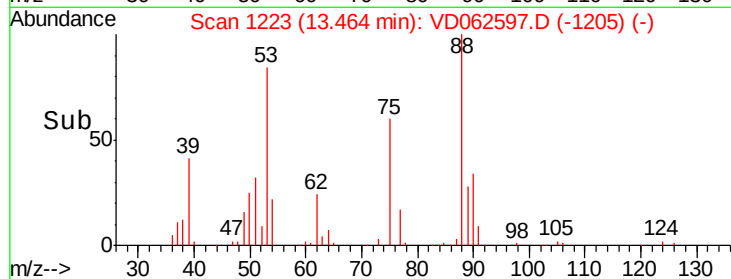
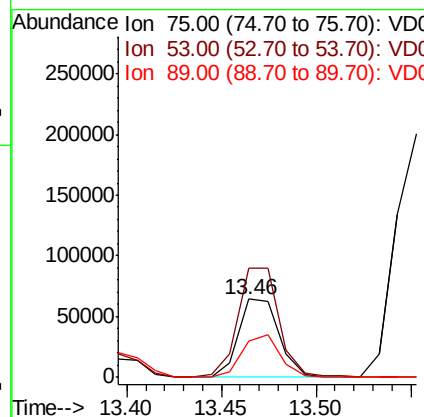
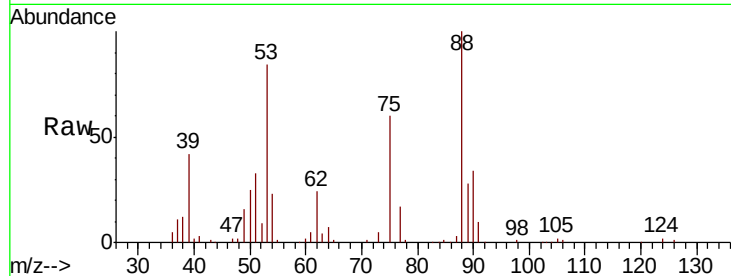




#81
trans-1,4-Dichloro-2-butene
Concen: 52.648 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

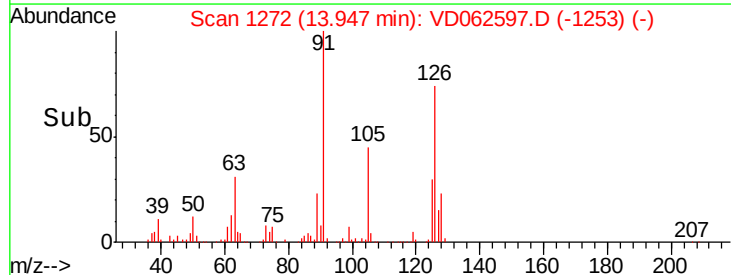
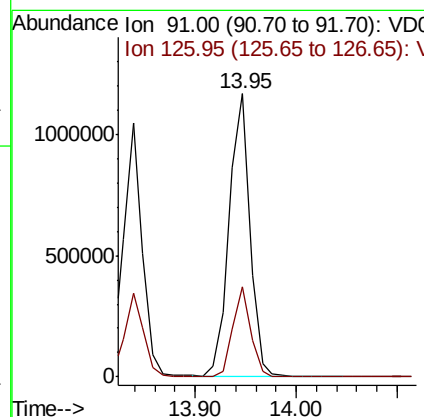
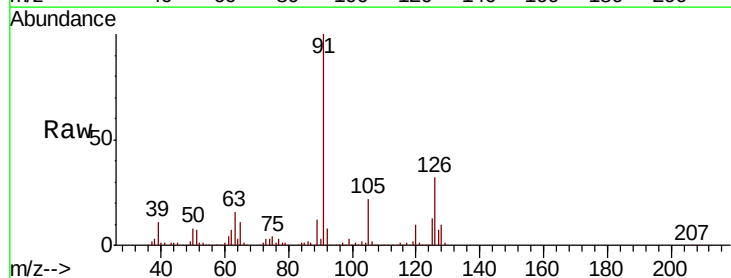
Instrument :
MSVOA_D
ClientSampleID :

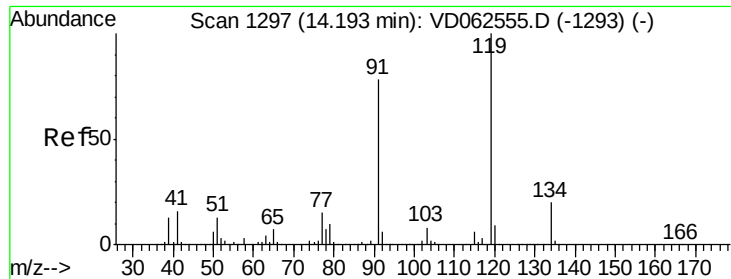
Tot Ion: 75 Resp: 95953
Ion Ratio Lower Upper
75 100
53 140.4 91.0 136.4#
89 46.4 36.9 55.3



#82
4-Chlorotoluene
Concen: 59.766 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion: 91 Resp: 1671392
Ion Ratio Lower Upper
91 100
126 31.7 16.9 50.7

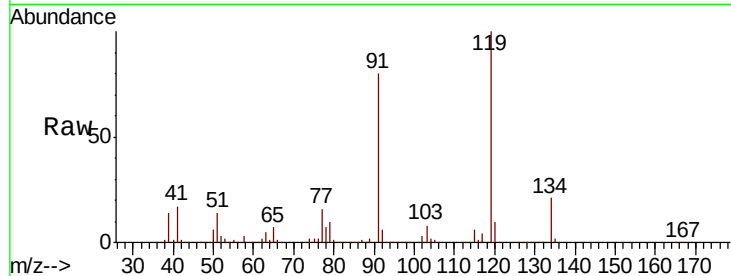




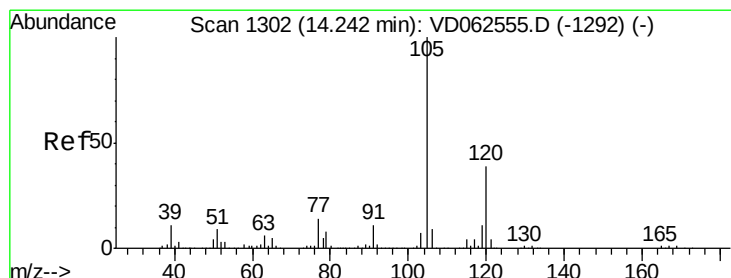
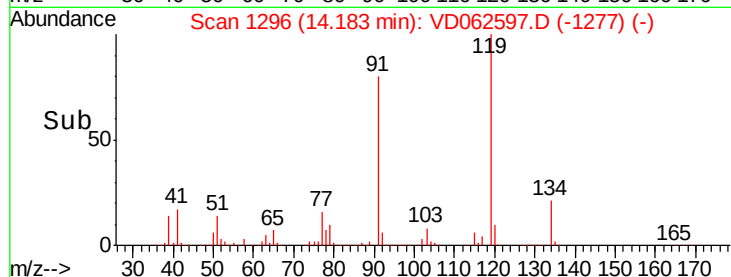
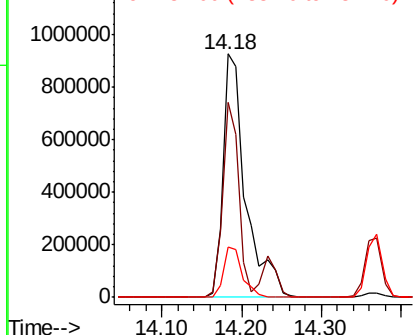
#83
 tert-Butylbenzene
 Concen: 55.394 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 1846054
 Ion Ratio Lower Upper
 119 100
 91 80.1 39.1 117.5
 134 20.6 10.1 30.3

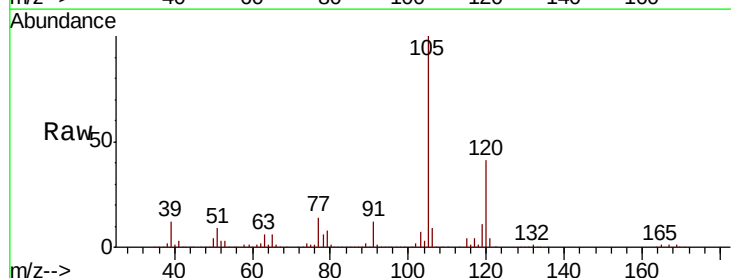


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

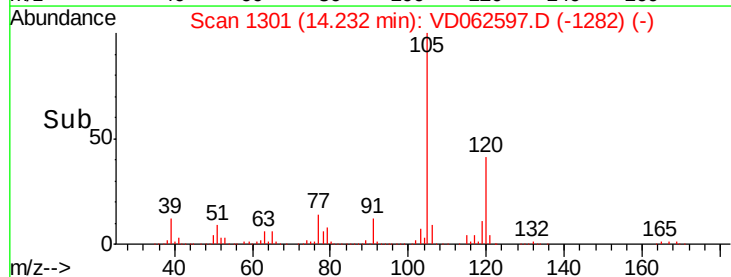
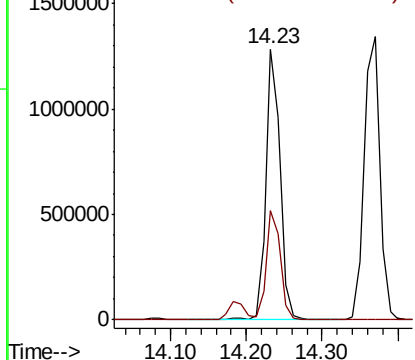


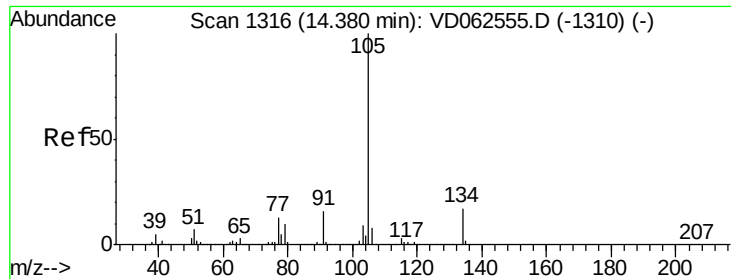
#84
 1,2,4-Trimethylbenzene
 Concen: 55.573 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion:105 Resp: 1691264
 Ion Ratio Lower Upper
 105 100
 120 40.6 19.6 58.8



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

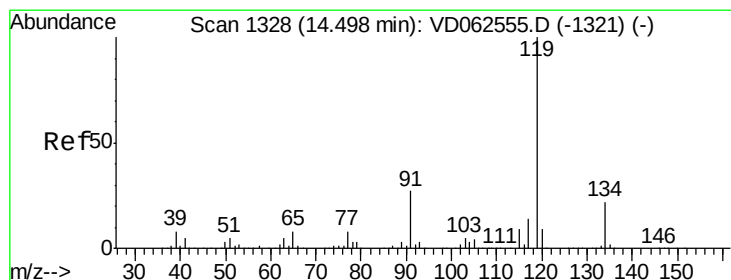
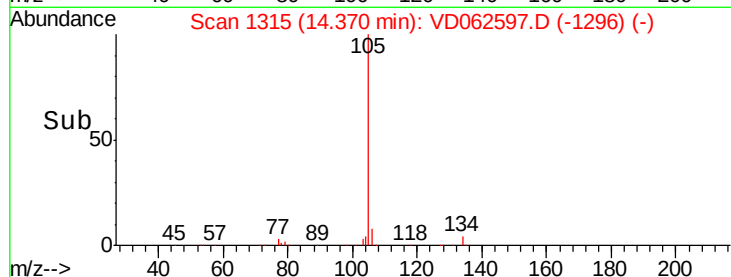
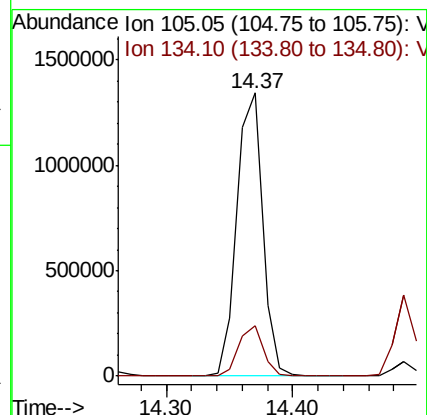
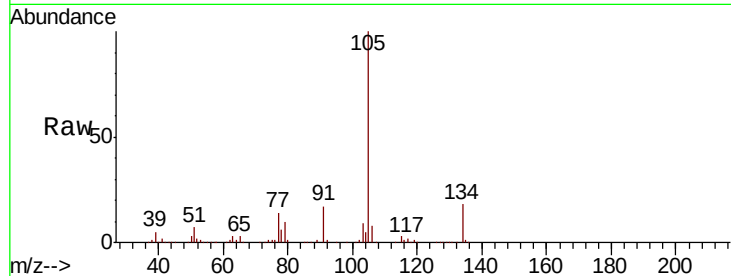




#85
 sec-Butylbenzene
 Concen: 53.333 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

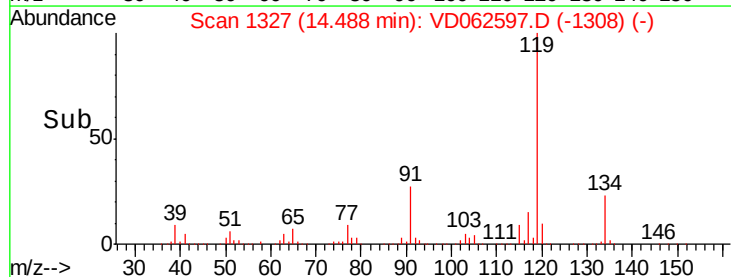
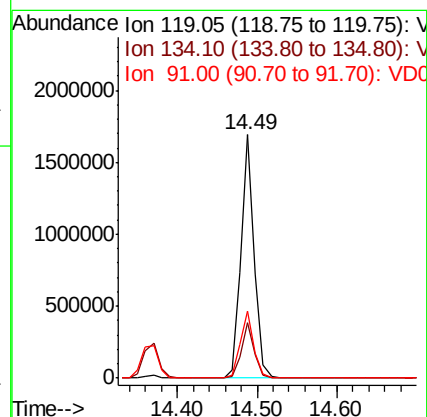
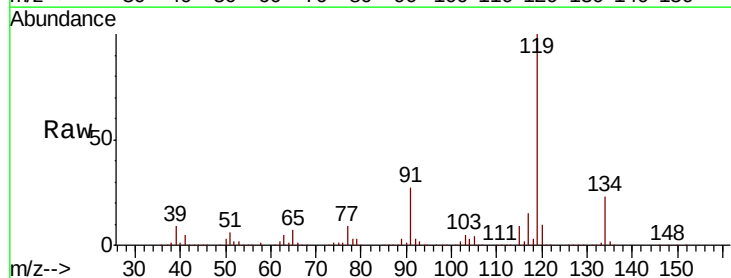
Instrument :
 MSVOA_D
 ClientSampleID :

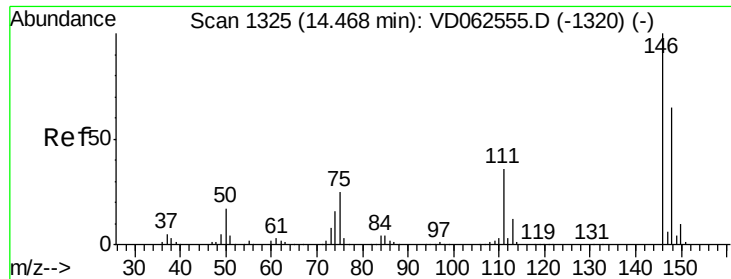
Tot Ion:105 Resp: 1882810
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 59.895 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion:119 Resp: 1975498
 Ion Ratio Lower Upper
 119 100
 134 22.6 11.2 33.6
 91 27.3 13.6 40.7

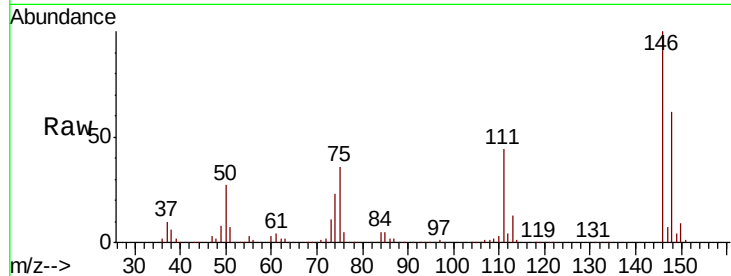




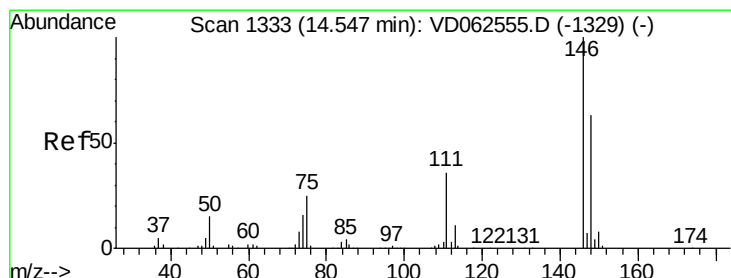
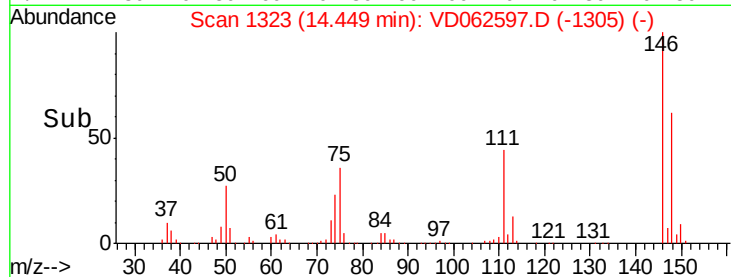
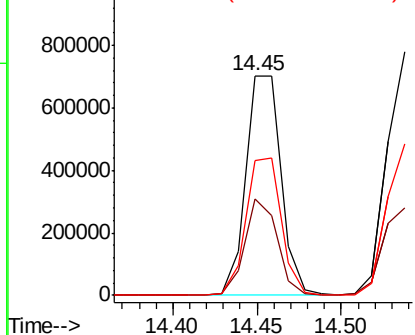
#87
 1,3-Dichlorobenzene
 Concen: 61.692 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 1024814
 Ion Ratio Lower Upper
 146 100
 111 43.9 18.1 54.4
 148 61.7 32.3 96.9

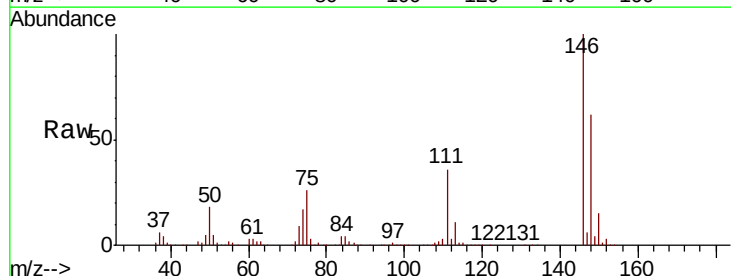


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

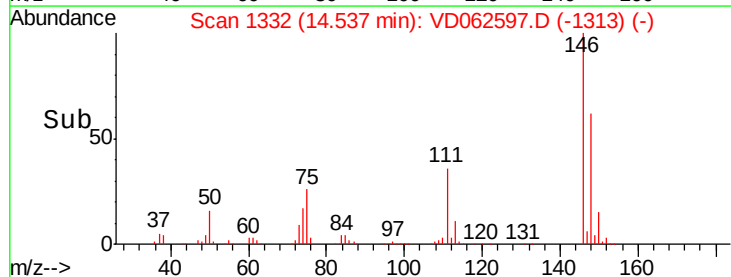
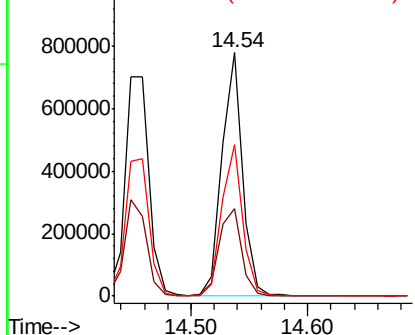


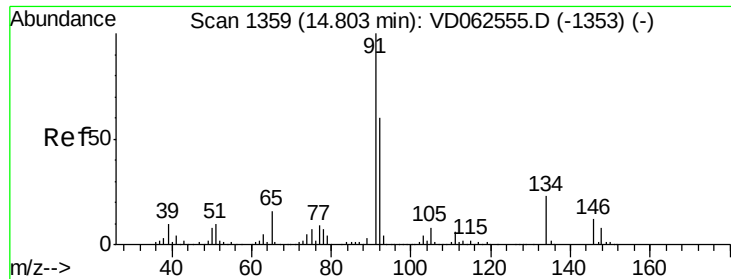
#88
 1,4-Dichlorobenzene
 Concen: 57.175 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion:146 Resp: 951794
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.2 54.6
 148 62.0 31.6 94.8



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





#89

n-Butylbenzene

Concen: 61.974 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampled :

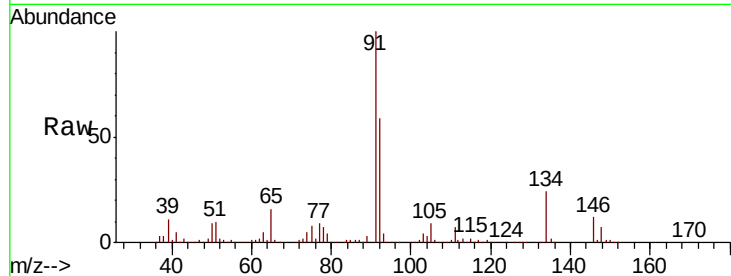
Tot Ion: 91 Resp: 1824705

Ion Ratio Lower Upper

91 100

92 58.8 29.8 89.4

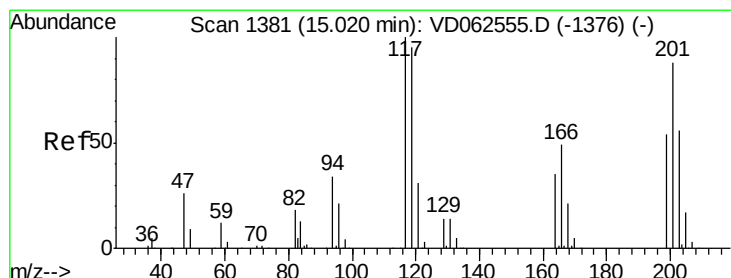
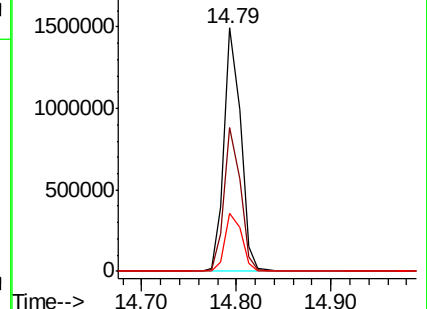
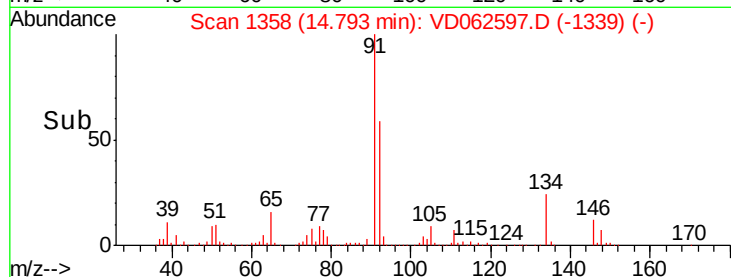
134 23.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 59.877 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD062597.D

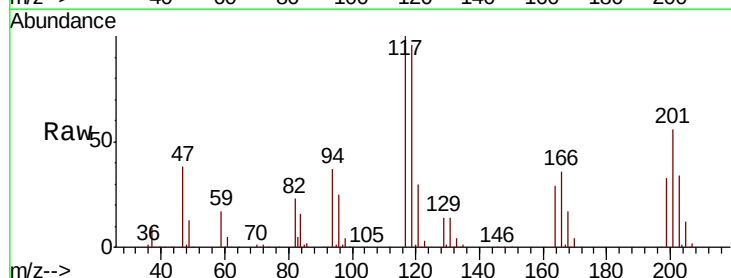
Acq: 4 Jun 2019 13:56

Tgt Ion: 117 Resp: 523953

Ion Ratio Lower Upper

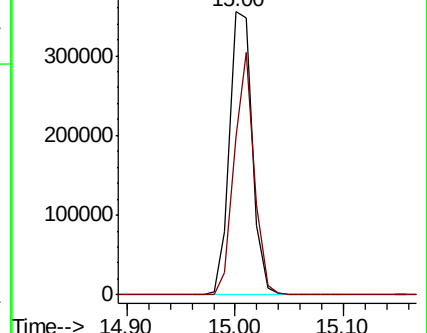
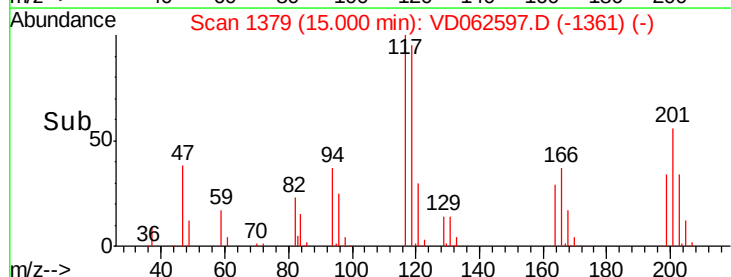
117 100

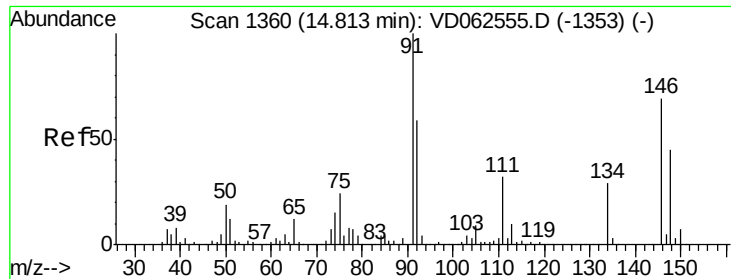
201 55.7 43.8 131.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 62.176 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

Instrument :

MSVOA_D

ClientSampled :

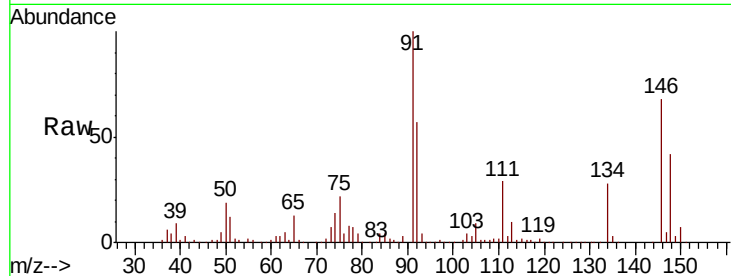
Tot Ion:146 Resp: 868871

Ion Ratio Lower Upper

146 100

111 42.8 22.8 68.4

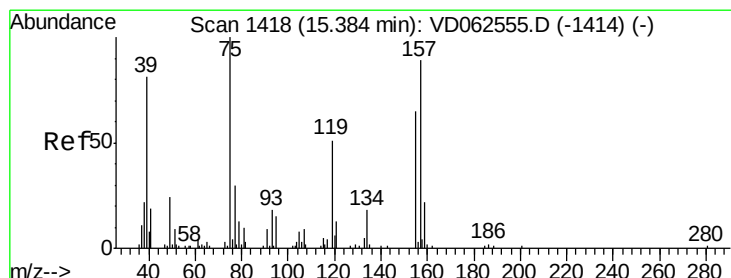
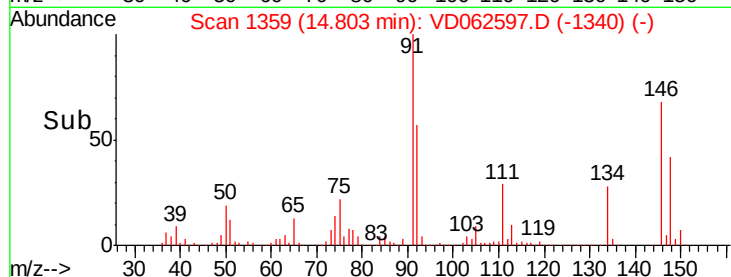
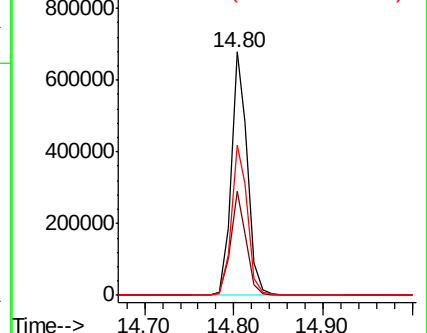
148 61.8 32.3 96.9



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: 57.339 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VD062597.D

Acq: 4 Jun 2019 13:56

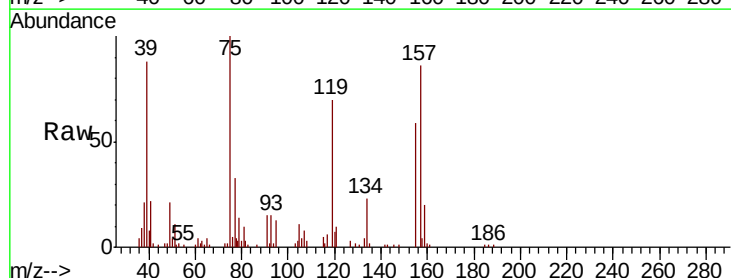
Tgt Ion: 75 Resp: 65906

Ion Ratio Lower Upper

75 100

155 59.0 32.6 97.8

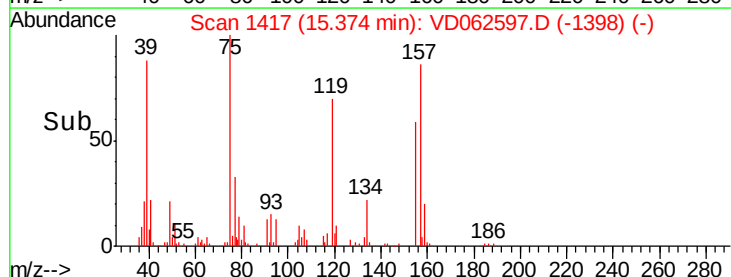
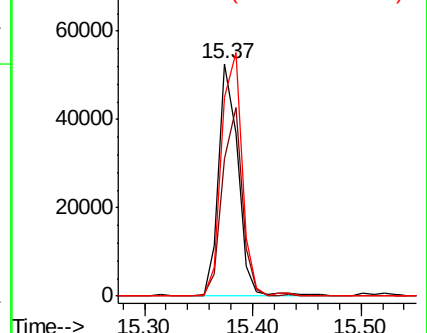
157 85.6 44.5 133.7

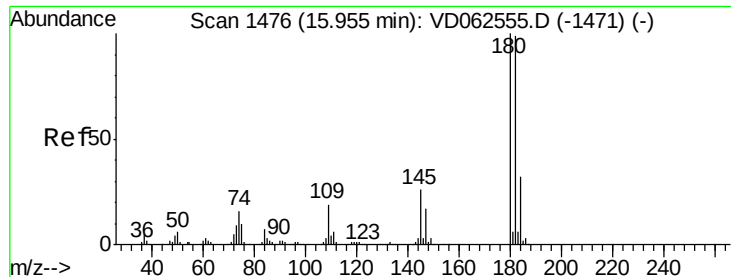


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

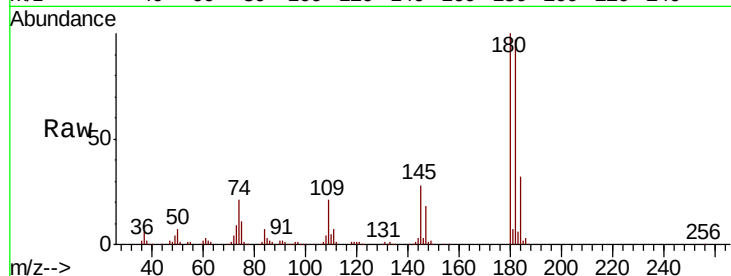




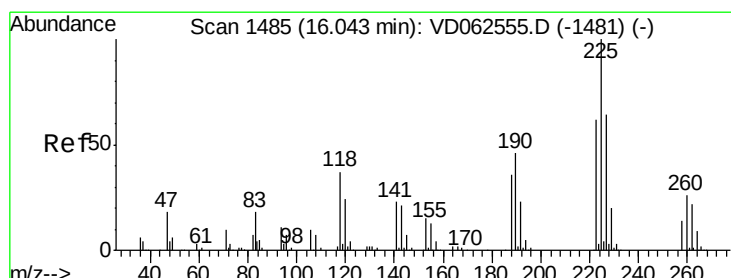
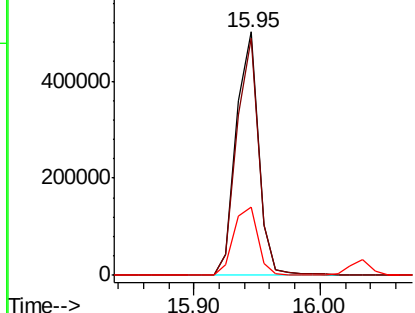
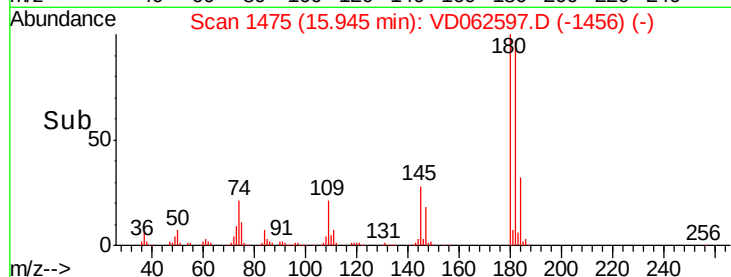
#93
 1,2,4-Trichlorobenzene
 Concen: 54.792 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 612242
 Ion Ratio Lower Upper
 180 100
 182 97.3 49.5 148.3
 145 28.1 13.1 39.3

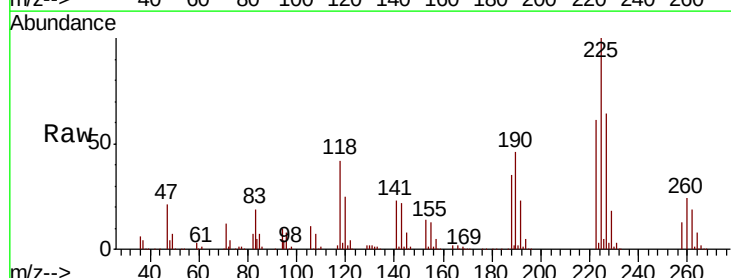


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

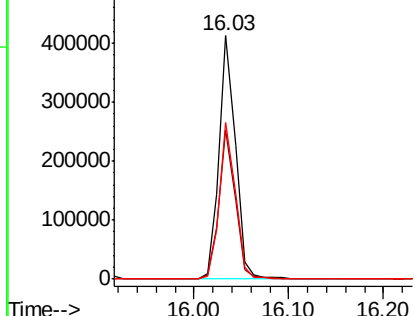
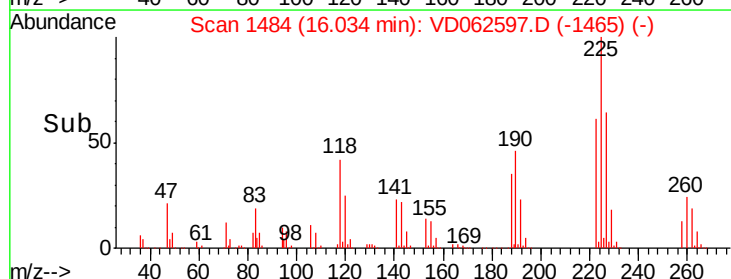


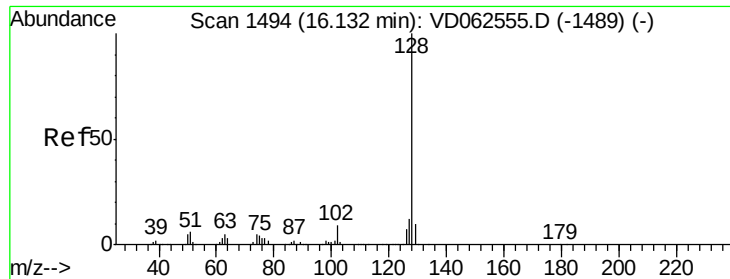
#94
 Hexachlorobutadiene
 Concen: 60.579 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062597.D
 Acq: 4 Jun 2019 13:56

Tgt Ion:225 Resp: 499699
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.1 93.5
 227 64.4 32.1 96.5



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

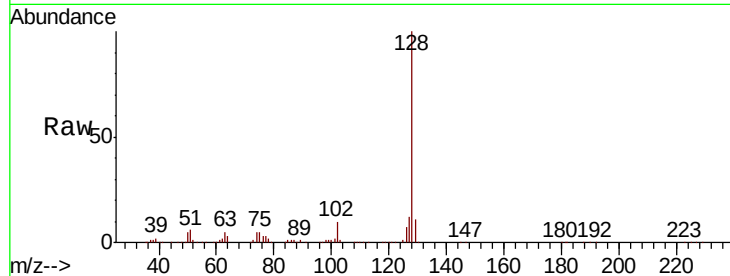




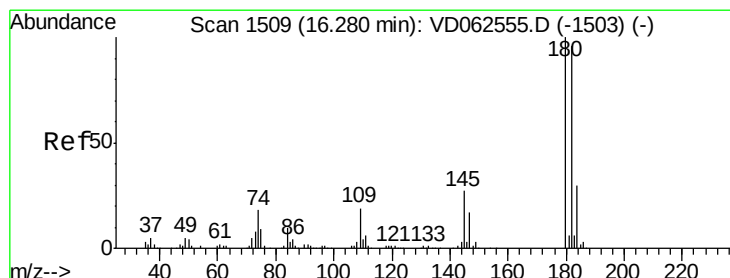
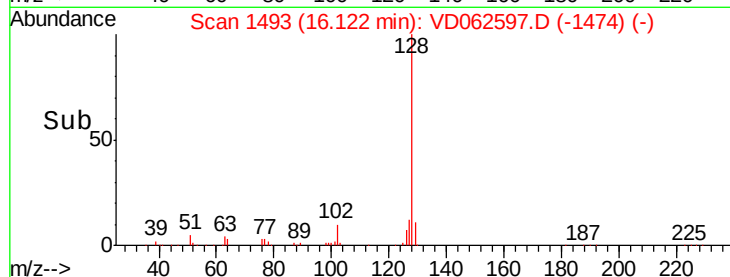
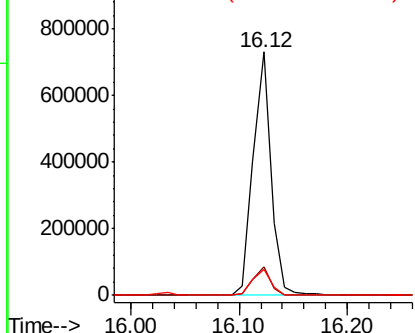
#95
Naphthalene
Concen: 55.177 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 839642
Ion Ratio Lower Upper
128 100
127 11.9 9.7 14.5
129 10.7 8.2 12.2

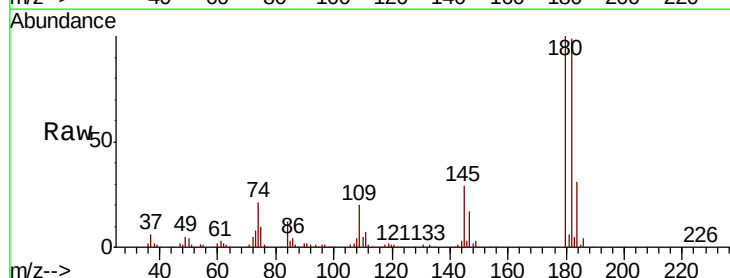


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.714 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD062597.D
Acq: 4 Jun 2019 13:56

Tgt Ion:180 Resp: 439992
Ion Ratio Lower Upper
180 100
182 99.5 48.1 144.3
145 29.2 13.3 39.9



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

