

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062806.D
 Acq On : 21 Jun 2019 10:13
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 22 04:11:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	880858	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1201018	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.39	117	1045784	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	599534	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	433814	45.31	ug/l	0.02
Spiked Amount			Recovery	=	90.62%	
35) Dibromofluoromethane	6.95	113	421768	41.65	ug/l	0.02
Spiked Amount			Recovery	=	83.30%	
50) Toluene-d8	10.44	98	938394	42.58	ug/l	0.02
Spiked Amount			Recovery	=	85.16%	
62) 4-Bromofluorobenzene	13.57	95	413669	41.28	ug/l	0.01
Spiked Amount			Recovery	=	82.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	535895	47.014	ug/l	99
3) Chloromethane	1.77	50	367975	42.925	ug/l #	88
4) Vinyl Chloride	1.86	62	371470	43.705	ug/l	95
5) Bromomethane	2.17	94	203130	51.032	ug/l	98
6) Chloroethane	2.28	64	182908	47.533	ug/l #	87
7) Trichlorofluoromethane	2.54	101	875918	50.921	ug/l	99
8) Diethyl Ether	2.89	74	113762	52.051	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	444238	47.671	ug/l	91
10) Methyl Iodide	3.32	142	552336	44.926	ug/l	91
11) Tert butyl alcohol	4.11	59	100723	230.973	ug/l	100
12) 1,1-Dichloroethene	3.14	96	336432	48.125	ug/l	86
13) Acrolein	3.05	56	137112	307.987	ug/l	85
14) Allyl chloride	3.65	41	494969	47.918	ug/l	91
15) Acrylonitrile	4.24	53	235130	229.469	ug/l	91
16) Acetone	3.24	43	507897	261.909	ug/l	99
17) Carbon Disulfide	3.39	76	980999	43.908	ug/l	96
18) Methyl Acetate	3.67	43	149718	51.799	ug/l	94
19) Methyl tert-butyl Ether	4.27	73	775965	51.274	ug/l	95
20) Methylene Chloride	3.84	84	325787	44.615	ug/l	95
21) trans-1,2-Dichloroethene	4.25	96	350970	47.150	ug/l	91
22) Diisopropyl ether	5.16	45	1014916	48.313	ug/l	96
23) Vinyl Acetate	5.09	43	3290602	250.332	ug/l	99
24) 1,1-Dichloroethane	5.01	63	657081	48.042	ug/l	98
25) 2-Butanone	6.11	43	476458	266.062	ug/l	95
26) 2,2-Dichloropropane	6.06	77	755376	52.105	ug/l	97
27) cis-1,2-Dichloroethene	6.07	96	374517	47.578	ug/l	86
28) Bromochloromethane	6.47	49	198277	41.161	ug/l	90
29) Tetrahydrofuran	6.49	42	222677	262.812	ug/l	95
30) Chloroform	6.70	83	847089	50.927	ug/l	95
31) Cyclohexane	6.98	56	420783	46.799	ug/l	98
32) 1,1,1-Trichloroethane	6.90	97	901813	52.053	ug/l	92
36) 1,1-Dichloropropene	7.18	75	551517	48.509	ug/l	95
37) Ethyl Acetate	6.21	43	218675	45.692	ug/l	99
38) Carbon Tetrachloride	7.14	117	963347	56.339	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	452313	45.196	ug/l	96
40) Benzene	7.48	78	1112037	48.727	ug/l	97
41) Methacrylonitrile	6.48	41	303789	50.667	ug/l #	94
42) 1,2-Dichloroethane	7.60	62	688150	55.274	ug/l	100
43) Isopropyl Acetate	9.27	43	301165	50.526	ug/l	99
44) Trichloroethene	8.57	130	420316	46.978	ug/l	96
45) 1,2-Dichloropropane	8.97	63	266249	46.918	ug/l	99
46) Dibromomethane	9.09	93	250334	51.354	ug/l	94
47) Bromodichloromethane	9.40	83	687277	54.287	ug/l	98
48) Methyl methacrylate	9.15	41	213145	50.320	ug/l	94
49) 1,4-Dioxane	9.12	88	36220	1027.809	ug/l	96
51) 4-Methyl-2-Pentanone	10.33	43	1106124	261.743	ug/l	100
52) Toluene	10.54	92	731769	47.701	ug/l	95
53) t-1,3-Dichloropropene	10.94	75	559720	54.016	ug/l	97
54) cis-1,3-Dichloropropene	10.06	75	582376	51.708	ug/l	97
55) 1,1,2-Trichloroethane	11.22	97	261626	49.639	ug/l	95
56) Ethyl methacrylate	11.07	69	280083	49.726	ug/l	99
57) 1,3-Dichloropropane	11.43	76	420252	52.076	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.89	63	712765	246.490	ug/l	99
59) 2-Hexanone	11.56	43	883416	293.522	ug/l	93
60) Dibromochloromethane	11.71	129	521402	53.112	ug/l	99
61) 1,2-Dibromoethane	11.83	107	322189	51.759	ug/l	94
64) Tetrachloroethene	11.28	164	401131	46.605	ug/l	98
65) Chlorobenzene	12.42	112	928649	47.847	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.53	131	451479	49.741	ug/l	95
67) Ethyl Benzene	12.54	91	1681521	48.256	ug/l	98
68) m/p-Xylenes	12.68	106	1159408	95.530	ug/l	97
69) o-Xylene	13.07	106	576510	51.963	ug/l	97
70) Styrene	13.09	104	992624	50.937	ug/l	99
71) Bromoform	13.25	173	332372	53.447	ug/l	98
73) Isopropylbenzene	13.42	105	1723055	44.823	ug/l	99
74) N-amyl acetate	13.28	43	485093	51.963	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.72	83	308896	49.318	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	332393	48.025	ug/l	97
77) Bromobenzene	13.69	156	508880	49.217	ug/l	99
78) n-propylbenzene	13.79	91	2067694	46.214	ug/l	93
79) 2-Chlorotoluene	13.85	91	1245925	48.728	ug/l	99
80) 1,3,5-Trimethylbenzene	13.95	105	1567644	48.550	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	89969	49.599	ug/l	91
82) 4-Chlorotoluene	13.96	91	1468688	47.711	ug/l	99
83) tert-Butylbenzene	14.20	119	1663984	46.233	ug/l	86
84) 1,2,4-Trimethylbenzene	14.25	105	1537836	46.468	ug/l	94
85) sec-Butylbenzene	14.39	105	1664540	42.553	ug/l	97
86) p-Isopropyltoluene	14.50	119	1652029	46.164	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	894648	48.270	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	840643	45.157	ug/l	98
89) n-Butylbenzene	14.81	91	1395094	41.651	ug/l	98
90) Hexachloroethane	15.03	117	458492	47.651	ug/l	89
91) 1,2-Dichlorobenzene	14.82	146	711427	44.864	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.39	75	63538	51.975	ug/l	82

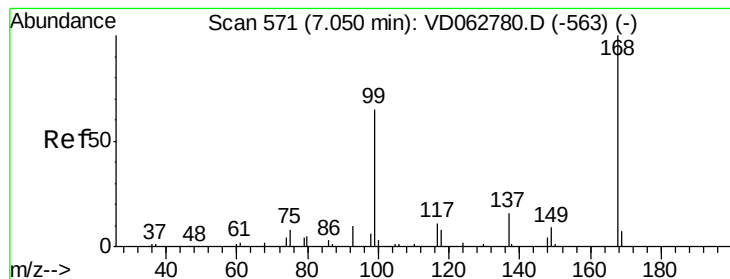
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062119\
Data File : VD062806.D
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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	593243	47.891	ug/l	96
94) Hexachlorobutadiene	16.05	225	432905	45.745	ug/l	97
95) Naphthalene	16.14	128	757595	43.635	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	466563	49.021	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

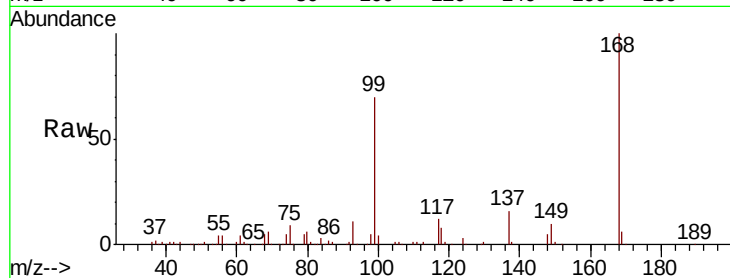
VSTDCCC050

Tot Ion:168 Resp: 880858

Ion Ratio Lower Upper

168 100

99 69.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

300000

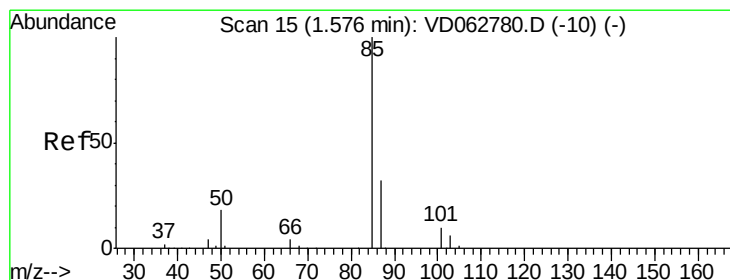
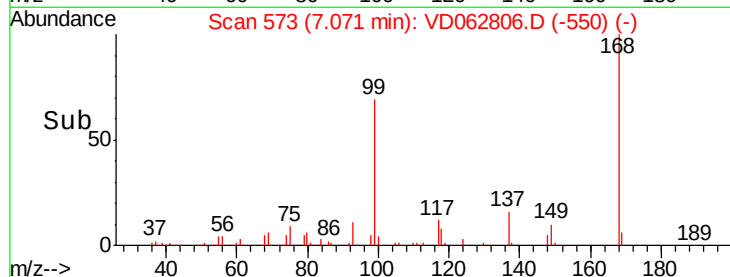
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 47.014 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062806.D

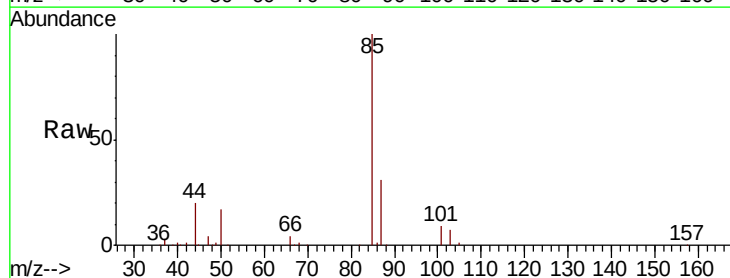
Acq: 21 Jun 2019 10:13

Tgt Ion: 85 Resp: 535895

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

250000

200000

150000

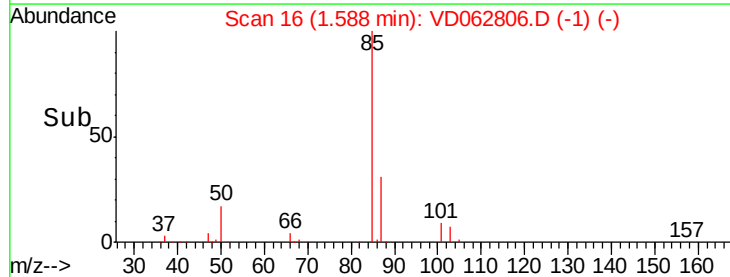
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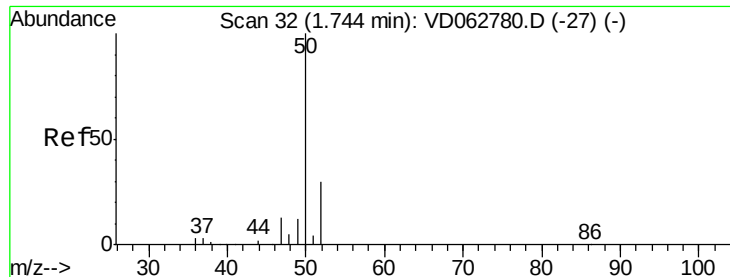
50000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 42.925 ug/l

RT: 1.77 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

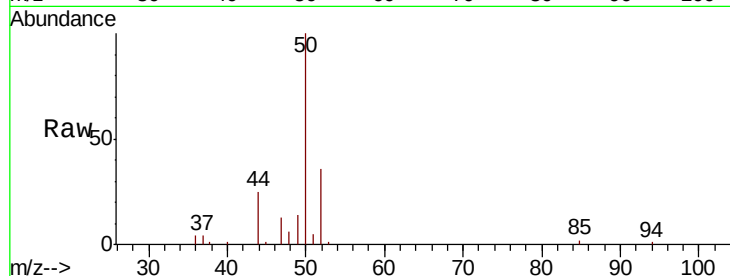
VSTDCCC050

Tot Ion: 50 Resp: 367975

Ion Ratio Lower Upper

50 100

52 35.9 23.6 35.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

120000

100000

80000

60000

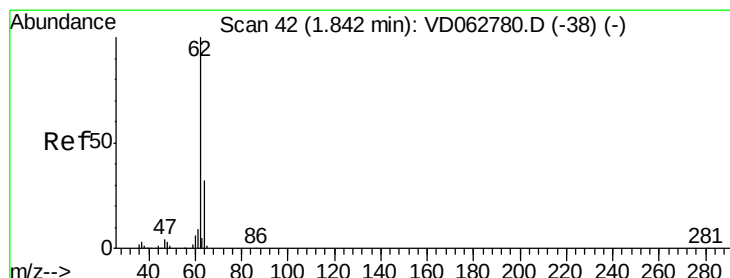
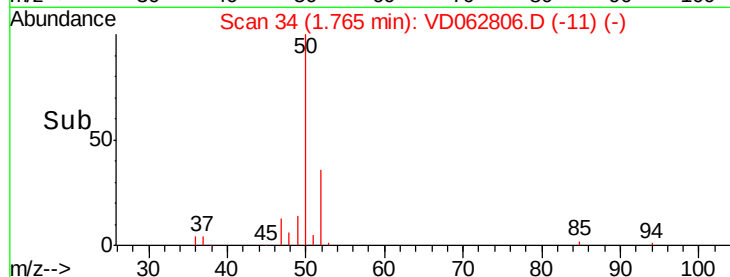
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 43.705 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062806.D

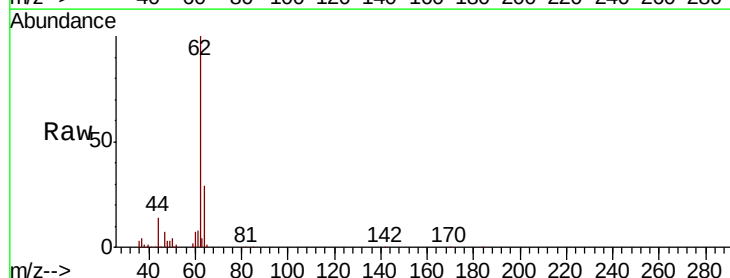
Acq: 21 Jun 2019 10:13

Tgt Ion: 62 Resp: 371470

Ion Ratio Lower Upper

62 100

64 29.0 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

200000

150000

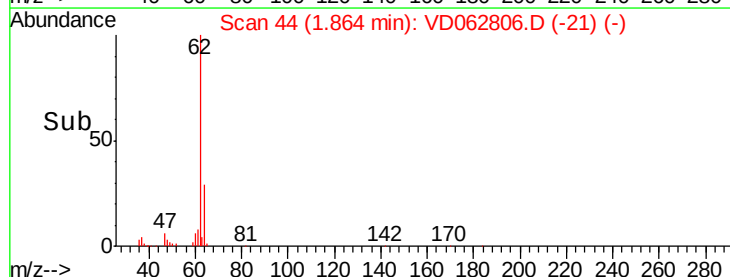
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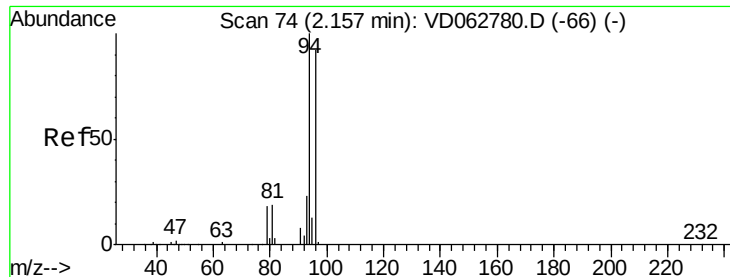
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 51.032 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

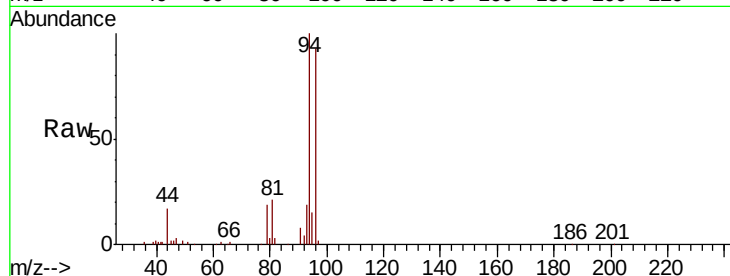
Tot Ion: 94 Resp: 203130

Ion Ratio Lower Upper

94 100

96 92.9 73.4 110.2

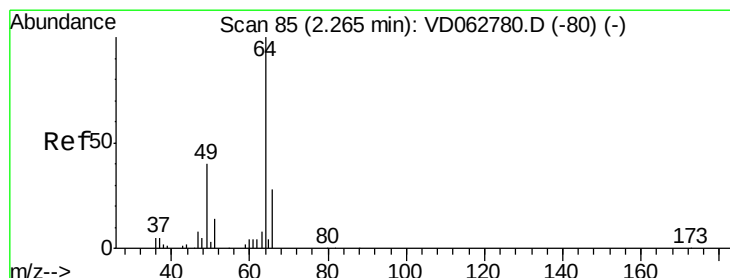
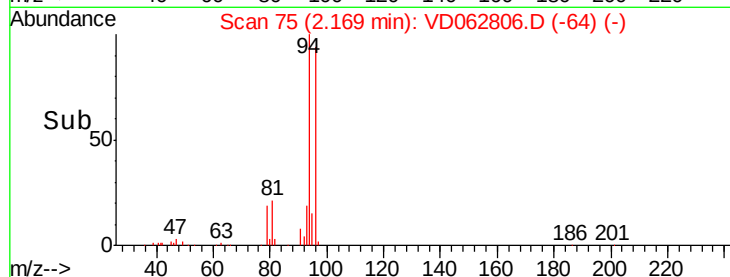
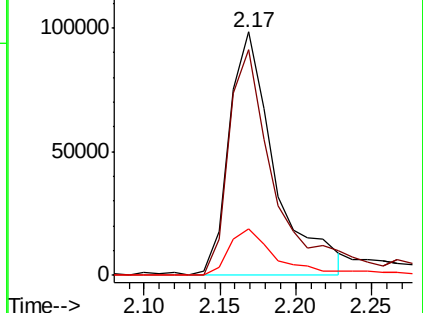
93 19.3 18.2 27.4



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: 47.533 ug/l

RT: 2.28 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062806.D

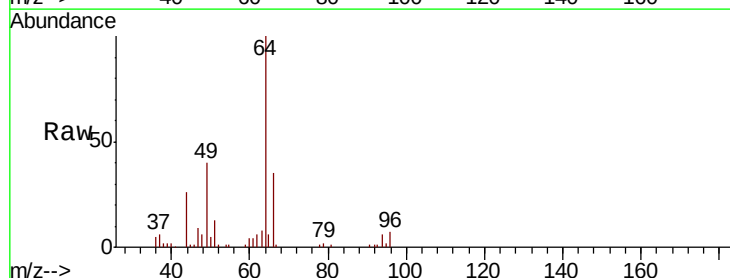
Acq: 21 Jun 2019 10:13

Tgt Ion: 64 Resp: 182908

Ion Ratio Lower Upper

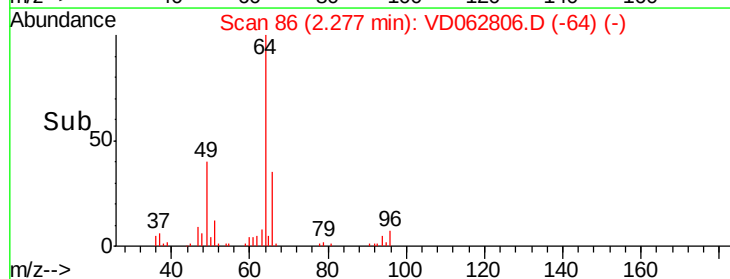
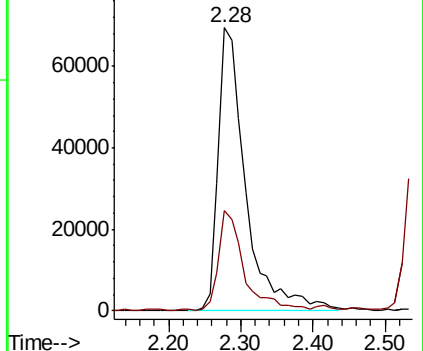
64 100

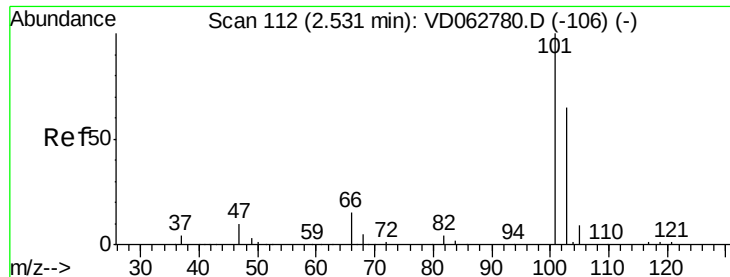
66 35.4 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



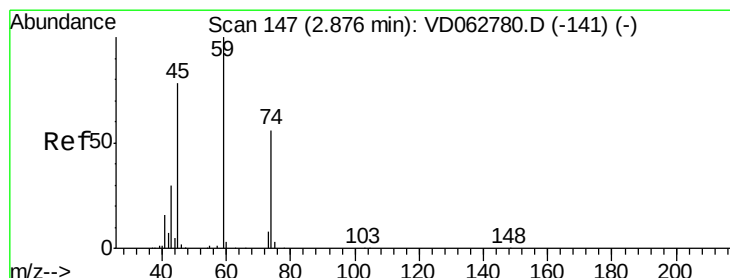
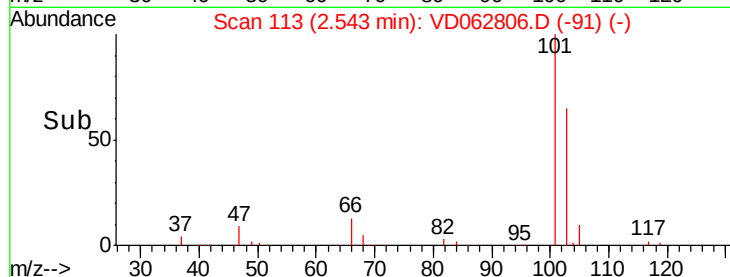
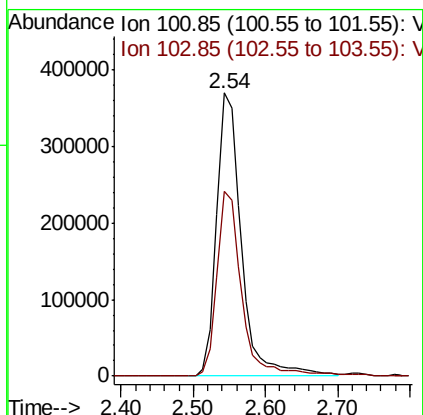
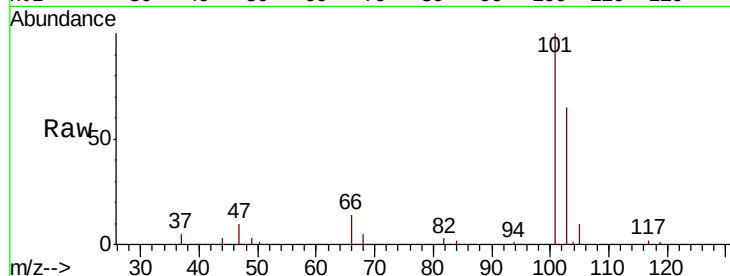


#7

Trichlorofluoromethane
 Concen: 50.921 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Instrument :
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 VSTDCCC050

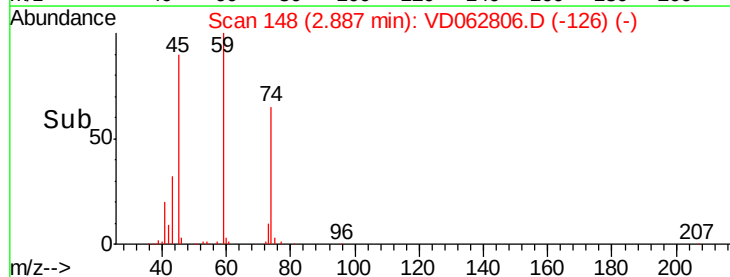
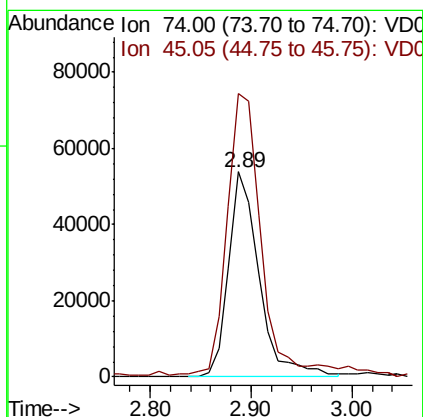
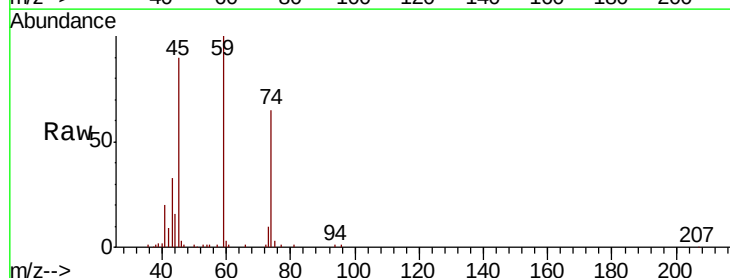
Tot Ion:101 Resp: 875918
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.8 77.8

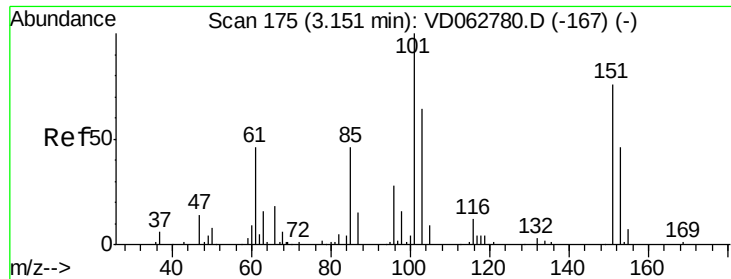


#8

Diethyl Ether
 Concen: 52.051 ug/l
 RT: 2.89 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion: 74 Resp: 113762
 Ion Ratio Lower Upper
 74 100
 45 138.1 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.671 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

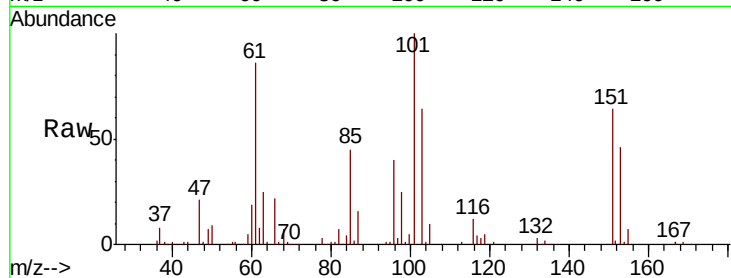
Tot Ion:101 Resp: 444238

Ion Ratio Lower Upper

101 100

85 45.4 37.0 55.4

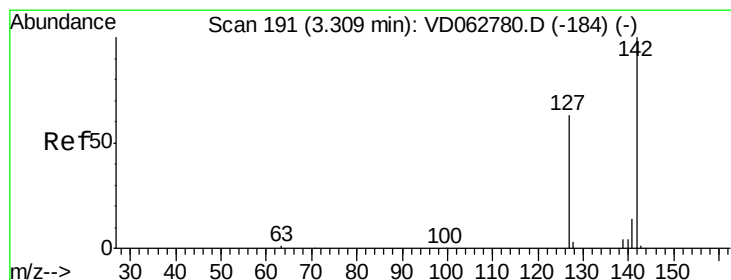
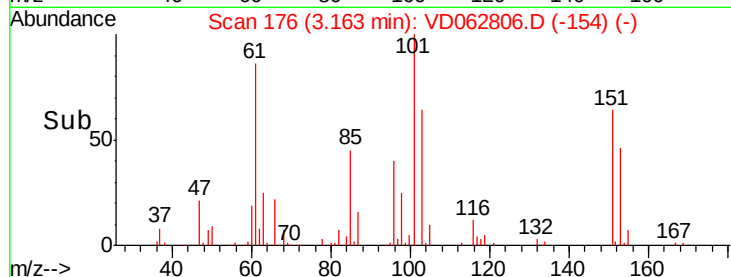
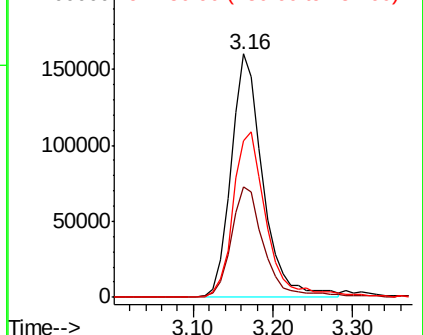
151 64.2 60.5 90.7



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: 44.926 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

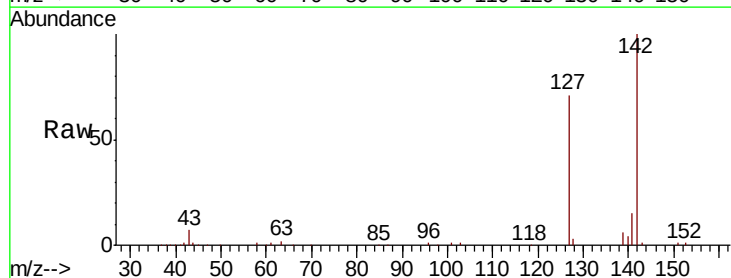
Tgt Ion:142 Resp: 552336

Ion Ratio Lower Upper

142 100

127 70.8 50.1 75.1

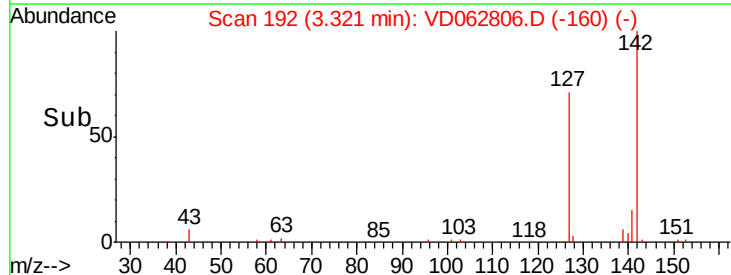
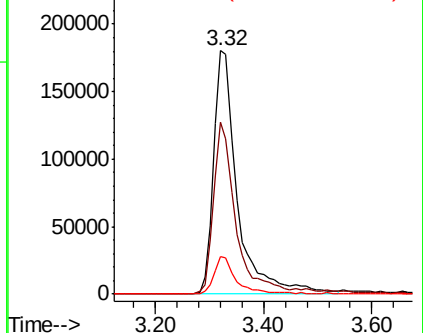
141 15.4 11.0 16.4

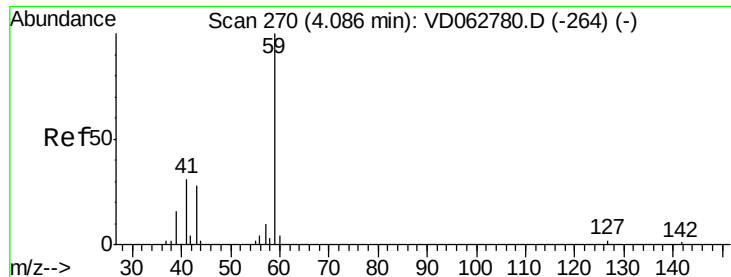


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



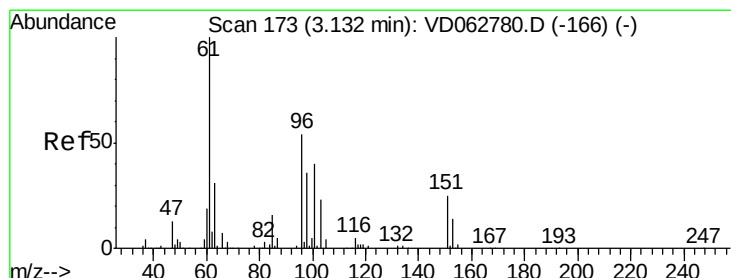
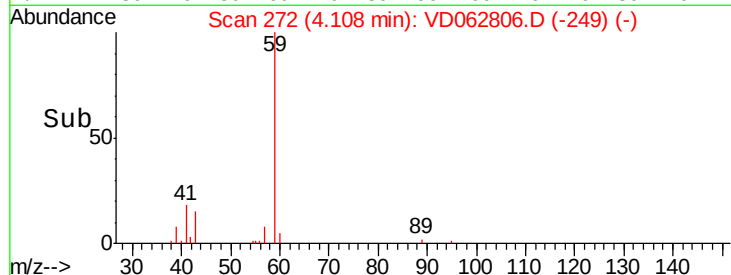
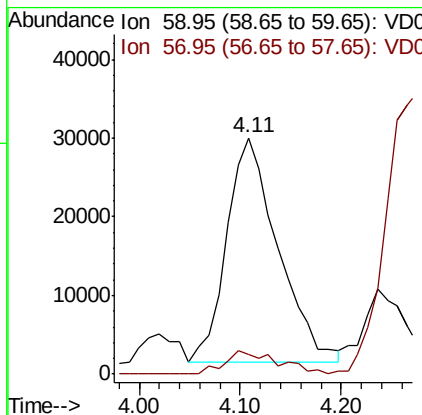
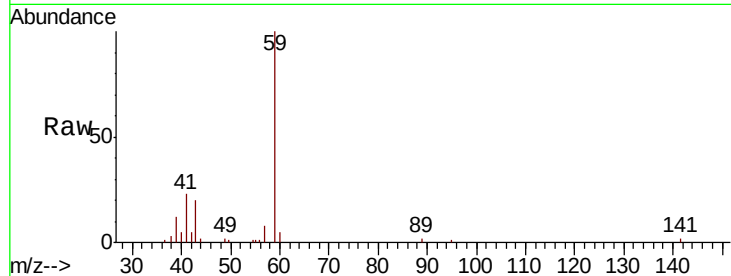


#11

Tert butyl alcohol
 Concen: 230.973 ug/l
 RT: 4.11 min Scan# 272
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

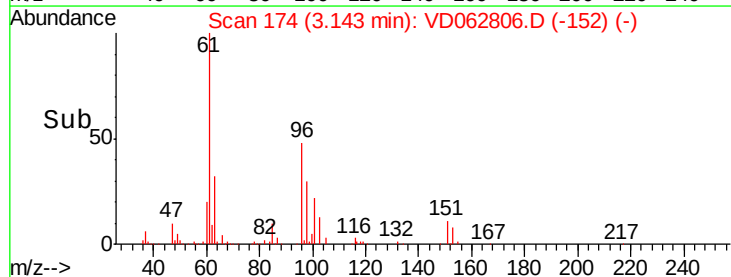
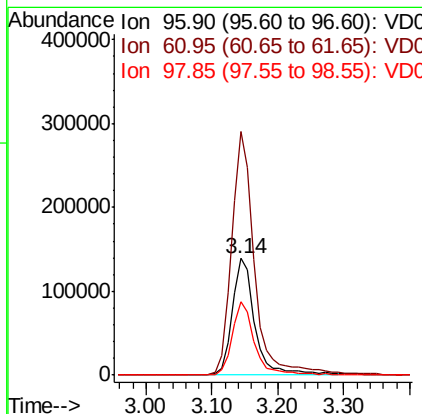
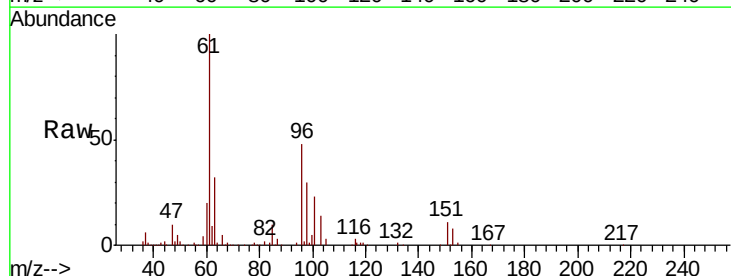
Tot Ion: 59 Resp: 100723
 Ion Ratio Lower Upper
 59 100
 57 8.4 6.6 10.0

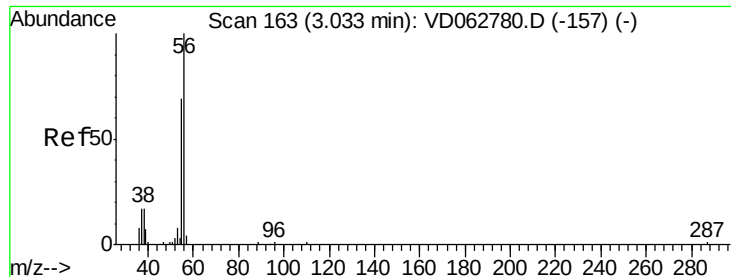


#12

1,1-Dichloroethene
 Concen: 48.125 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion: 96 Resp: 336432
 Ion Ratio Lower Upper
 96 100
 61 208.6 147.1 220.7
 98 63.1 52.6 79.0





#13

Acrolein

Concen: 307.987 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

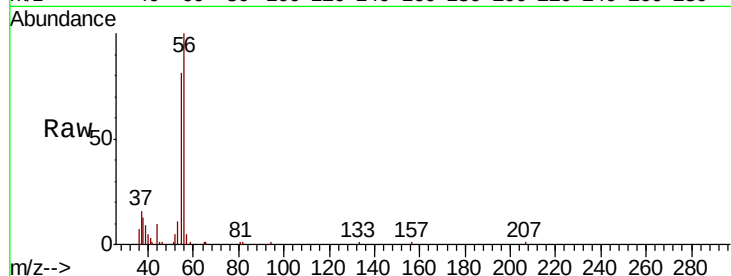
VSTDCCC050

Tot Ion: 56 Resp: 137112

Ion Ratio Lower Upper

56 100

55 81.3 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.05

60000

50000

40000

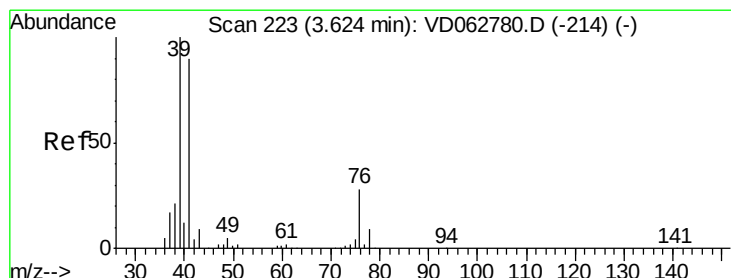
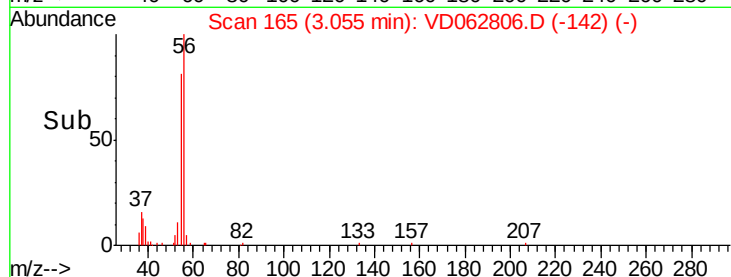
30000

20000

10000

0

Time--> 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 47.918 ug/l

RT: 3.65 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

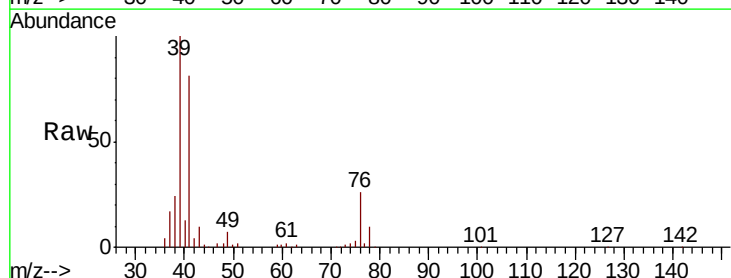
Tgt Ion: 41 Resp: 494969

Ion Ratio Lower Upper

41 100

39 122.8 88.8 133.2

76 32.2 26.7 40.1



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

300000

250000

200000

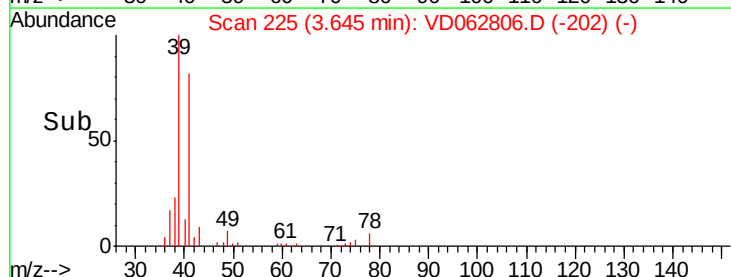
150000

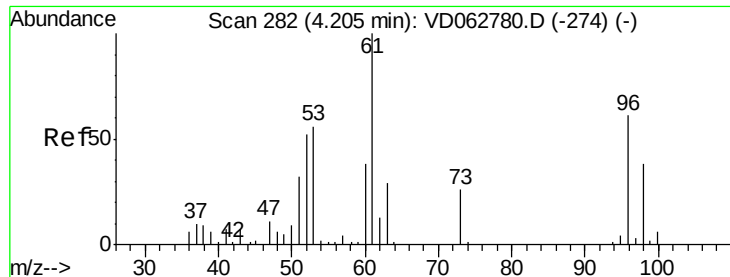
100000

50000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 229.469 ug/l

RT: 4.24 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

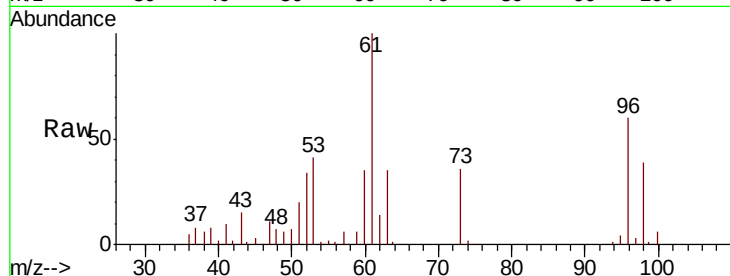
Tot Ion: 53 Resp: 235130

Ion Ratio Lower Upper

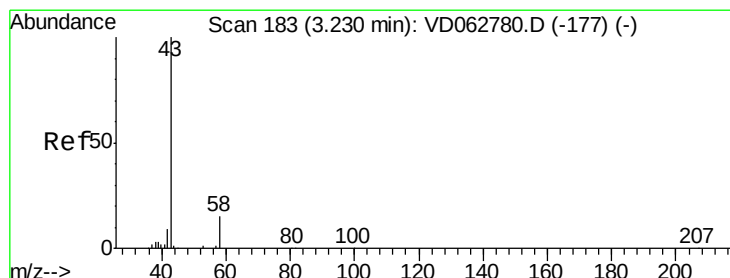
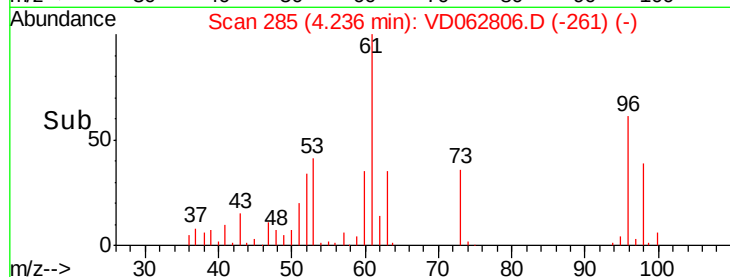
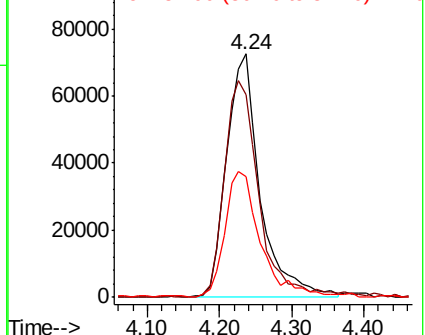
53 100

52 83.1 73.3 109.9

51 49.5 44.8 67.2



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: 261.909 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062806.D

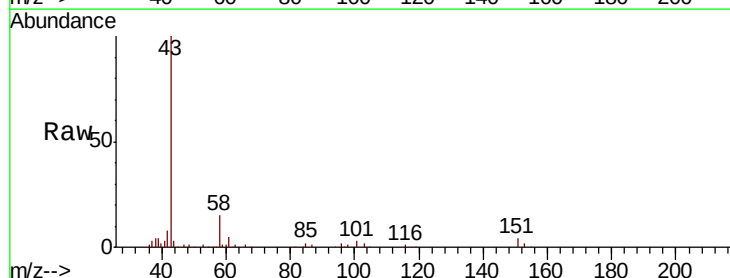
Acq: 21 Jun 2019 10:13

Tgt Ion: 43 Resp: 507897

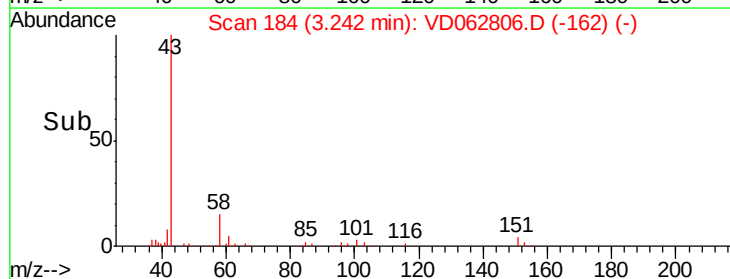
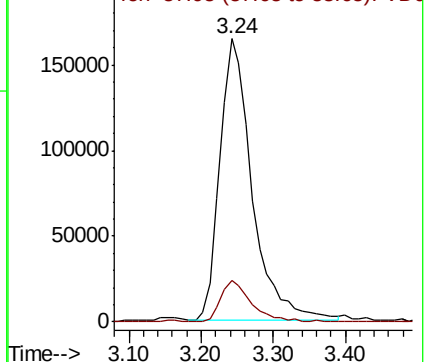
Ion Ratio Lower Upper

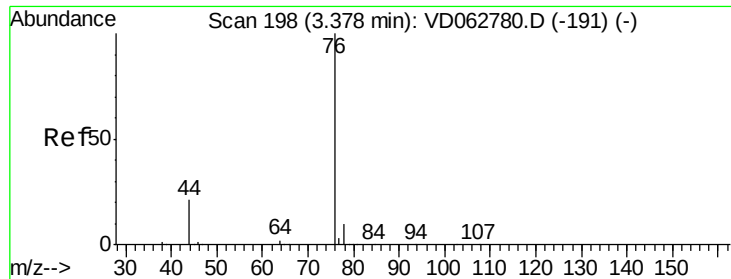
43 100

58 14.6 11.9 17.9



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





#17

Carbon Disulfide

Concen: 43.908 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

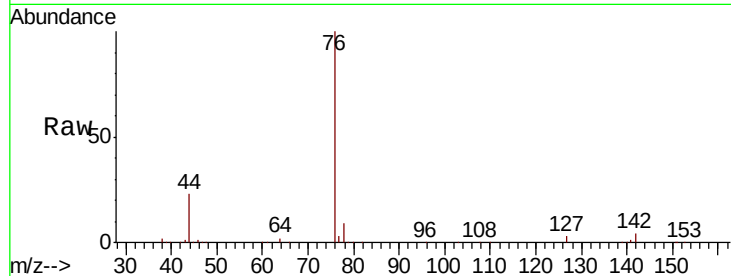
VSTDCCC050

Tot Ion: 76 Resp: 980999

Ion Ratio Lower Upper

76 100

78 8.5 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

400000

300000

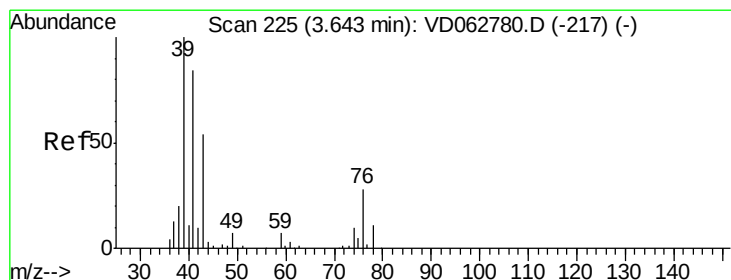
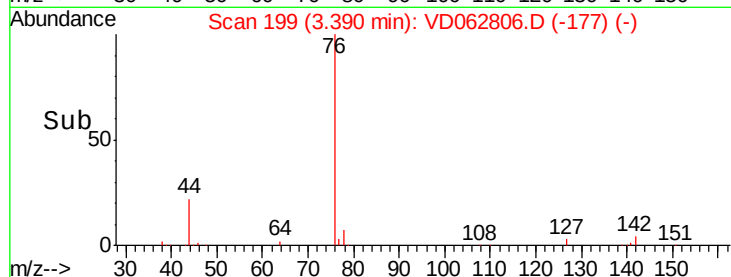
200000

100000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 51.799 ug/l

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD062806.D

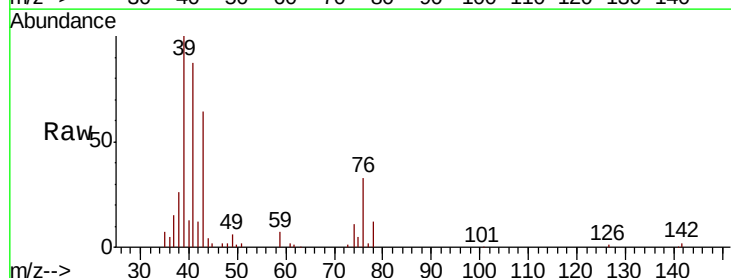
Acq: 21 Jun 2019 10:13

Tgt Ion: 43 Resp: 149718

Ion Ratio Lower Upper

43 100

74 16.5 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.67

60000

50000

40000

30000

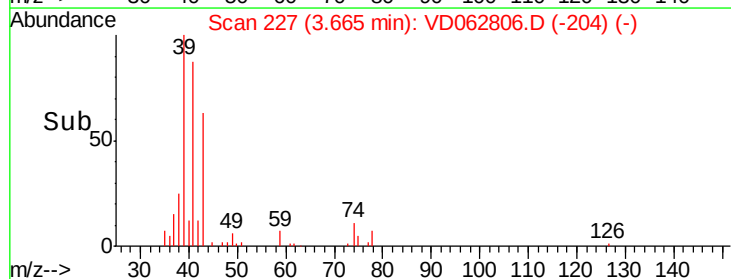
20000

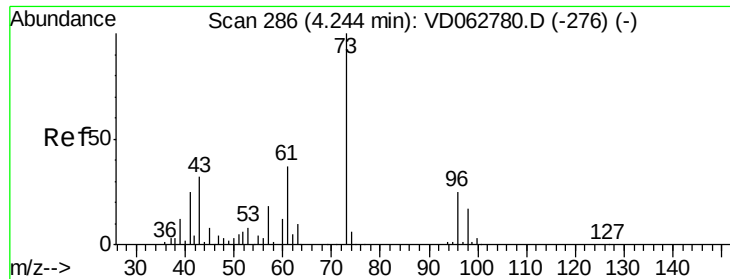
10000

0

3.60 3.70

Time-->



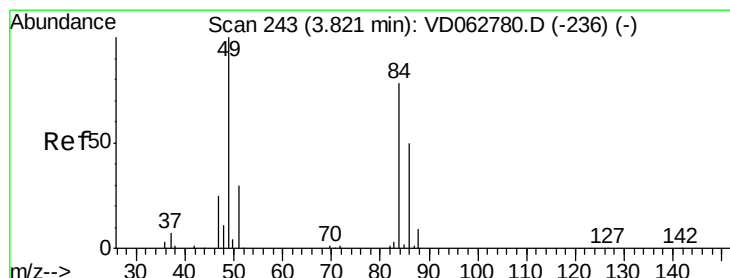
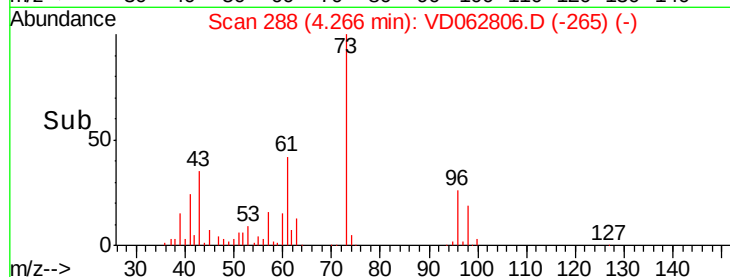
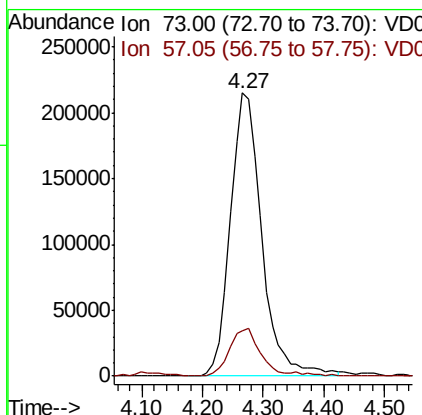
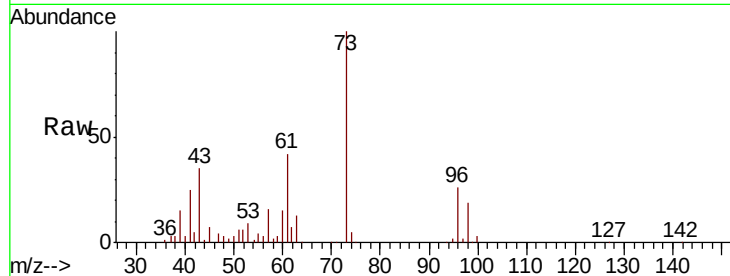


#19

Methyl tert-butyl Ether
 Concen: 51.274 ug/l
 RT: 4.27 min Scan# 288
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

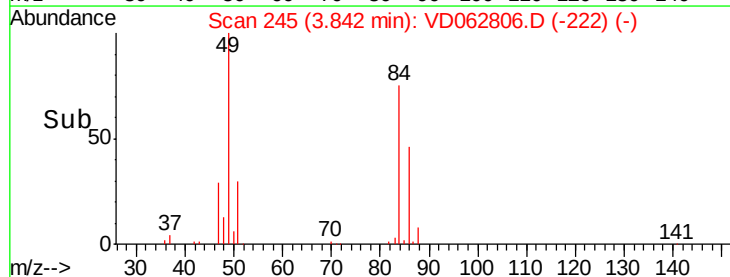
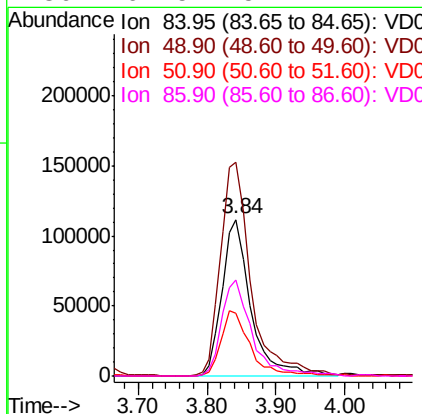
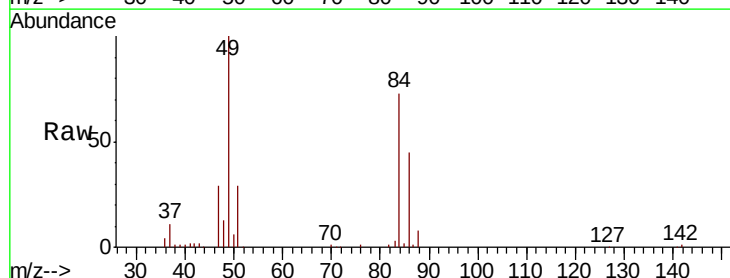
Tot Ion: 73 Resp: 775965
 Ion Ratio Lower Upper
 73 100
 57 15.9 14.3 21.5

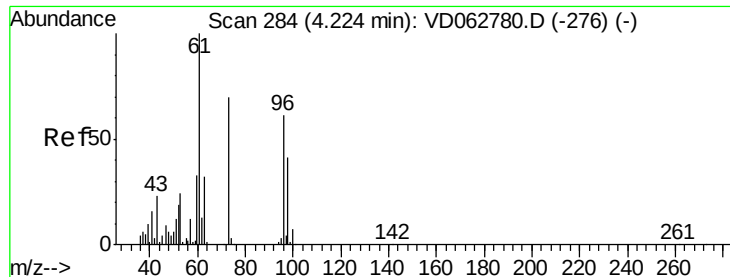


#20

Methylene Chloride
 Concen: 44.615 ug/l
 RT: 3.84 min Scan# 245
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion: 84 Resp: 325787
 Ion Ratio Lower Upper
 84 100
 49 136.6 102.9 154.3
 51 40.2 31.2 46.8
 86 61.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 47.150 ug/l

RT: 4.25 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

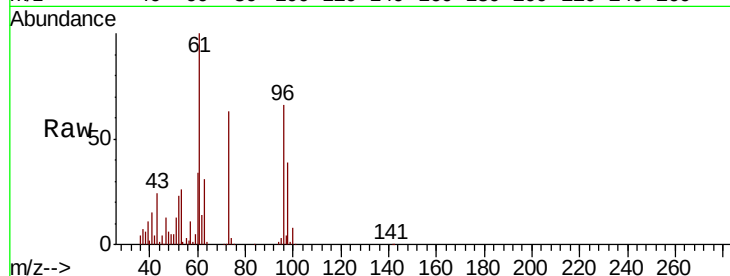
Tot Ion: 96 Resp: 350970

Ion Ratio Lower Upper

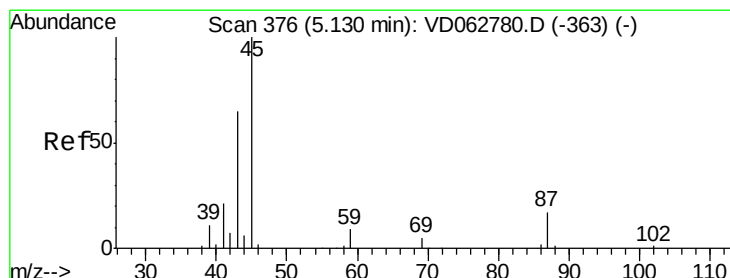
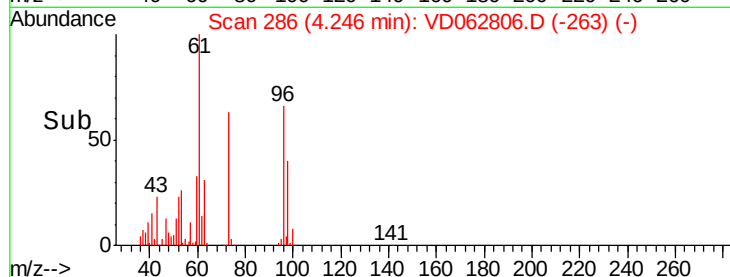
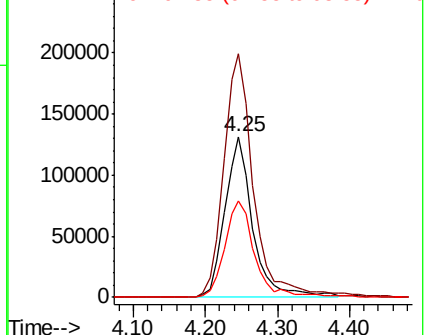
96 100

61 151.2 131.0 196.4

98 59.6 53.2 79.8



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



#22

Diisopropyl ether

Concen: 48.313 ug/l

RT: 5.16 min Scan# 379

Delta R.T. 0.03 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Tgt Ion: 45 Resp: 1014916

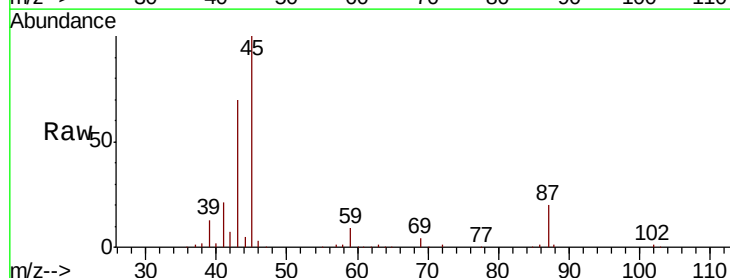
Ion Ratio Lower Upper

45 100

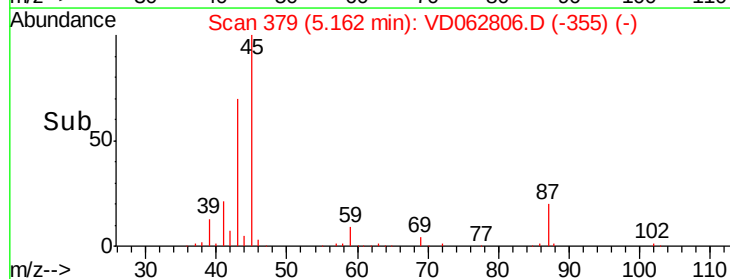
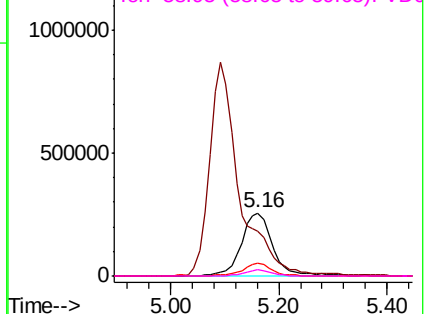
43 70.2 53.4 80.0

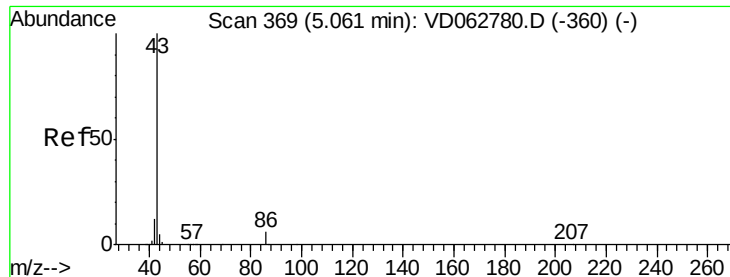
87 19.5 14.6 22.0

59 9.4 7.8 11.8



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: 250.332 ug/l

RT: 5.09 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

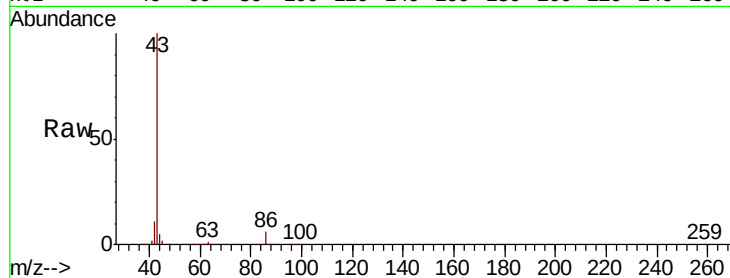
VSTDCCC050

Tot Ion: 43 Resp: 3290602

Ion Ratio Lower Upper

43 100

86 6.2 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

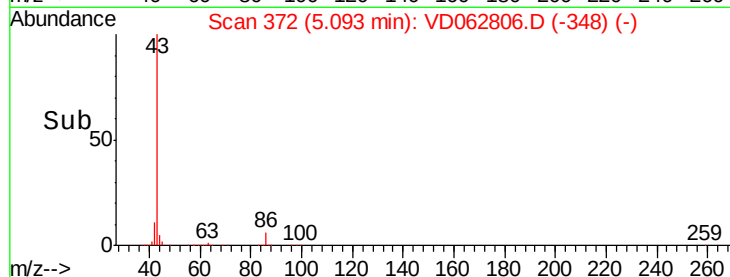
600000

400000

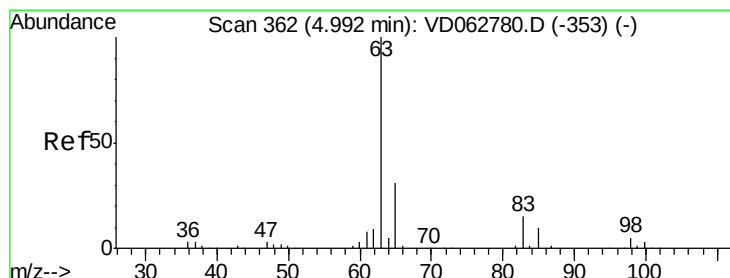
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 48.042 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

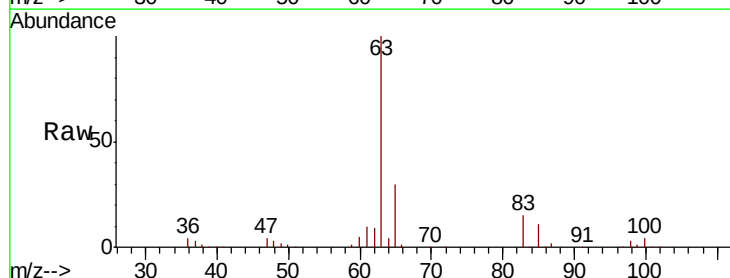
Tgt Ion: 63 Resp: 657081

Ion Ratio Lower Upper

63 100

98 3.4 2.3 6.9

100 3.6 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

250000

200000

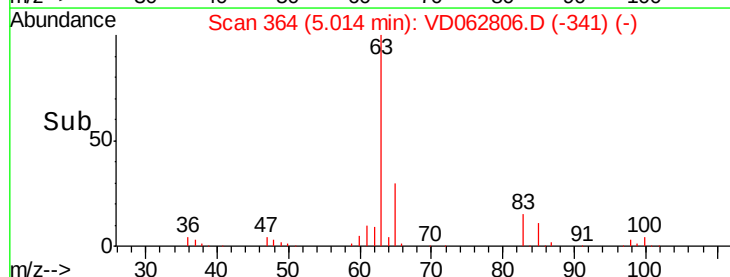
150000

100000

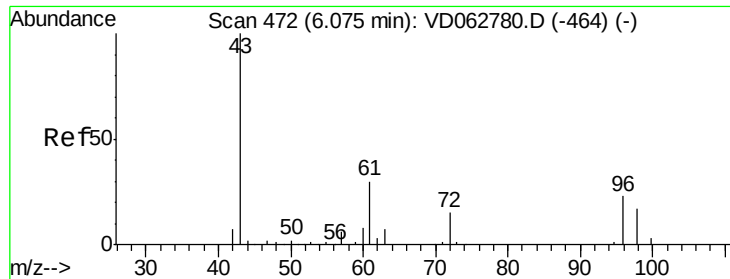
50000

0

Time-->



Time-->



#25

2-Butanone

Concen: 266.062 ug/l

RT: 6.11 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

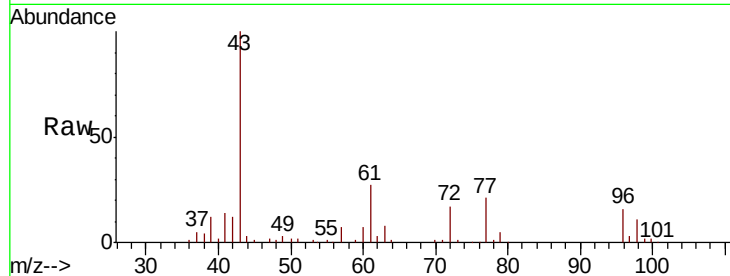
VSTDCCC050

Tot Ion: 43 Resp: 476458

Ion Ratio Lower Upper

43 100

72 16.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

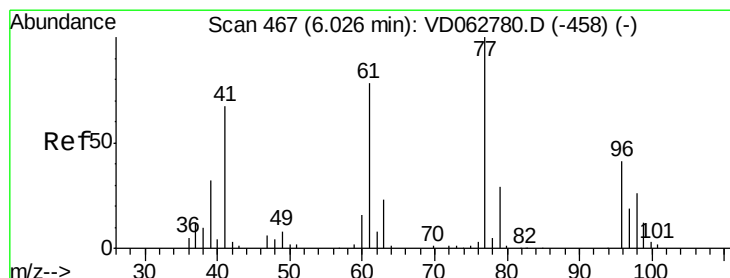
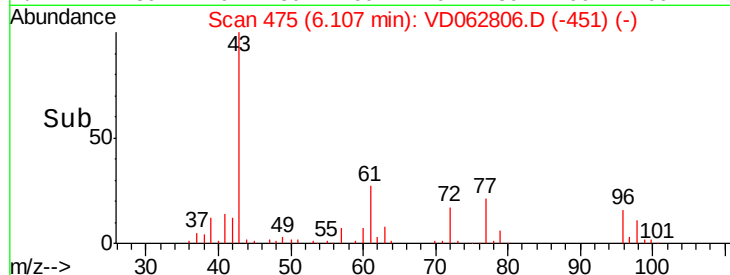
50000

0

6.11

6.20

Time-->



#26

2,2-Dichloropropane

Concen: 52.105 ug/l

RT: 6.06 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD062806.D

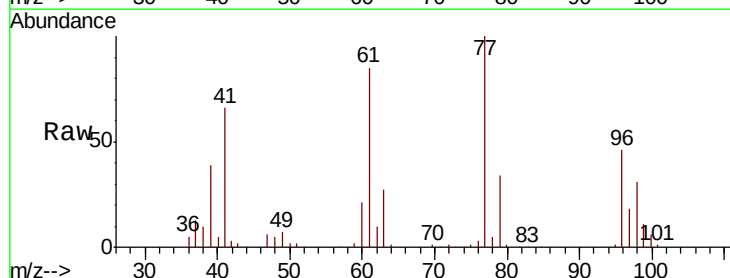
Acq: 21 Jun 2019 10:13

Tgt Ion: 77 Resp: 755376

Ion Ratio Lower Upper

77 100

97 17.8 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

250000

200000

150000

100000

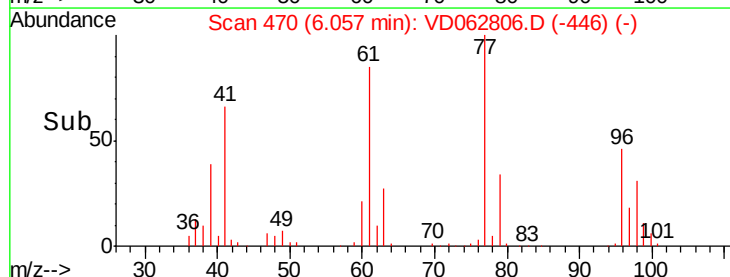
50000

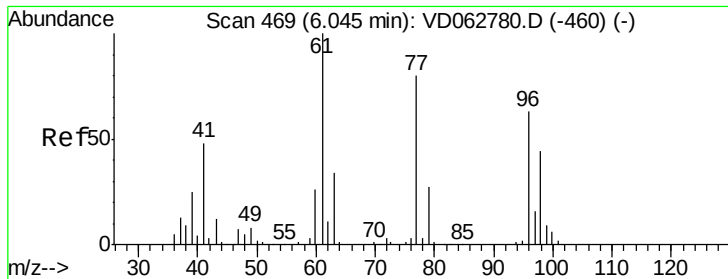
0

6.06

6.20

Time-->



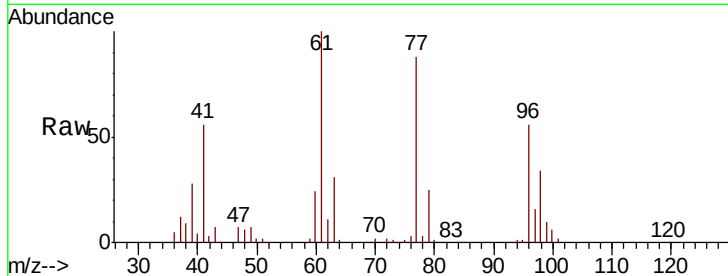


#27

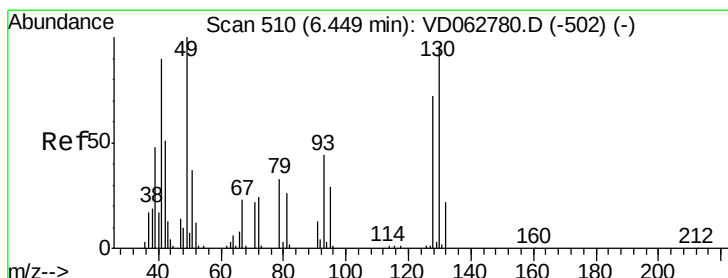
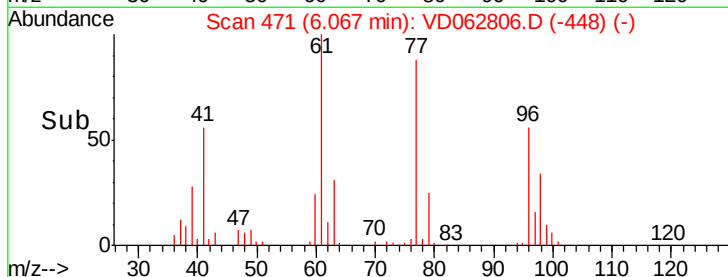
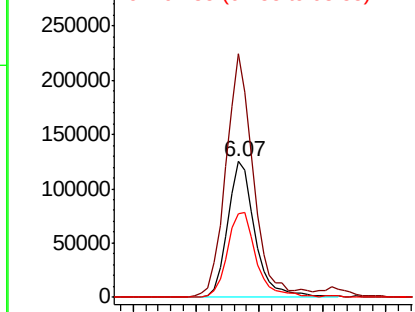
cis-1,2-Dichloroethene
Concen: 47.578 ug/l
RT: 6.07 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 374517
Ion Ratio Lower Upper
96 100
61 179.1 0.0 316.0
98 61.7 0.0 138.4



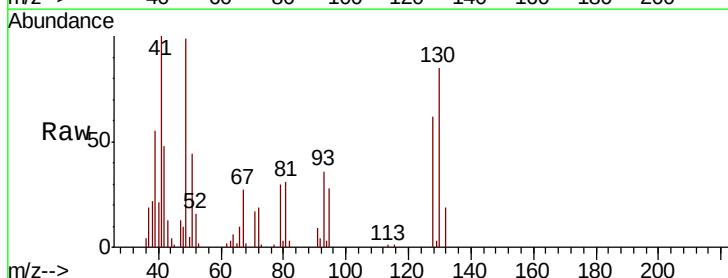
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



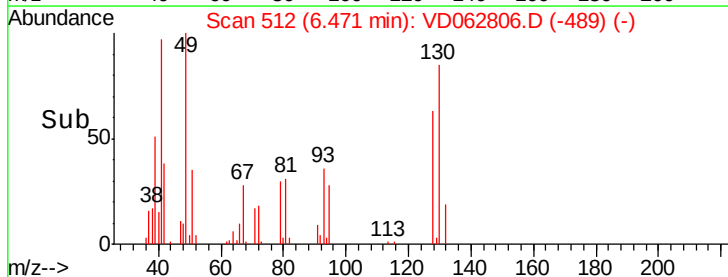
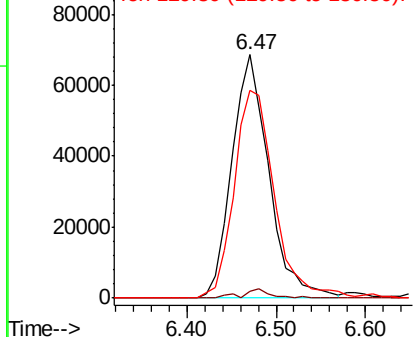
#28

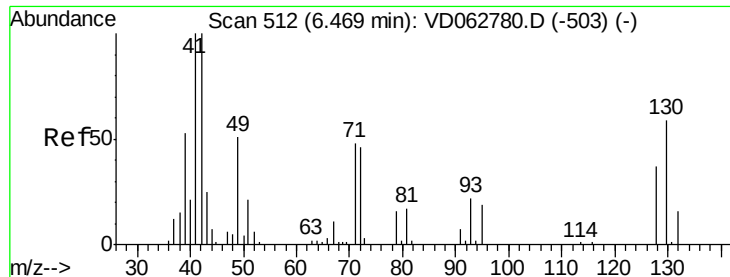
Bromochloromethane
Concen: 41.161 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Tgt Ion: 49 Resp: 198277
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.6
130 85.5 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 262.812 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

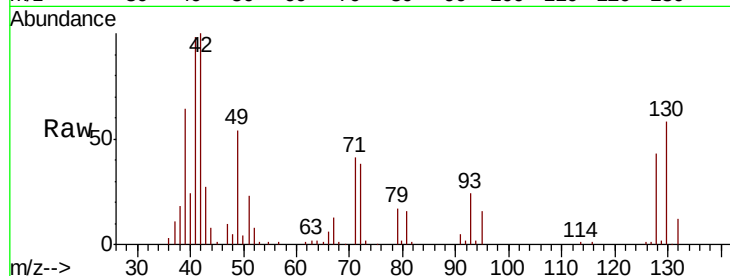
Tot Ion: 42 Resp: 222677

Ion Ratio Lower Upper

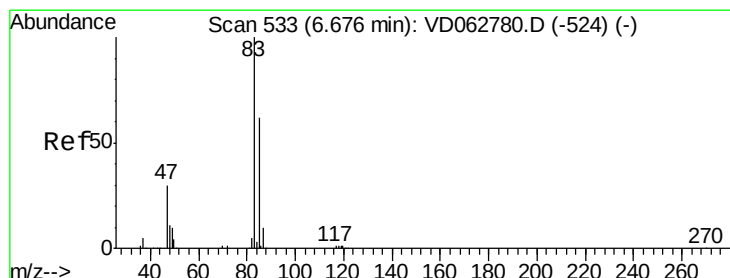
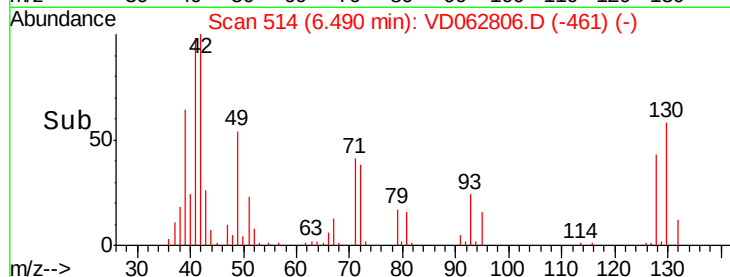
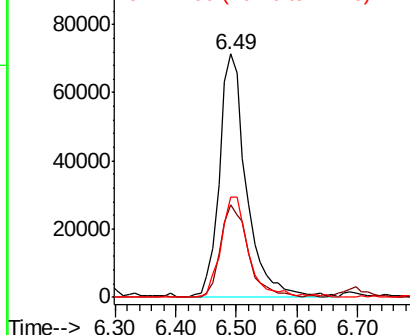
42 100

72 38.6 35.0 52.6

71 40.9 33.3 49.9



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: 50.927 ug/l

RT: 6.70 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD062806.D

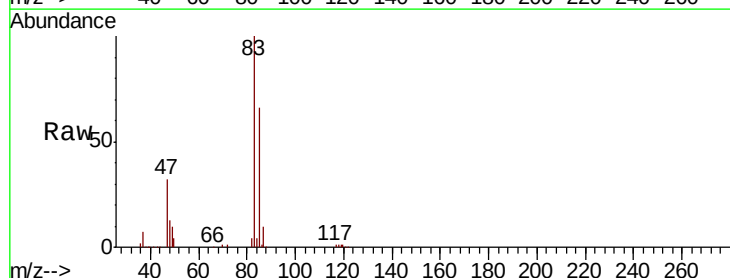
Acq: 21 Jun 2019 10:13

Tgt Ion: 83 Resp: 847089

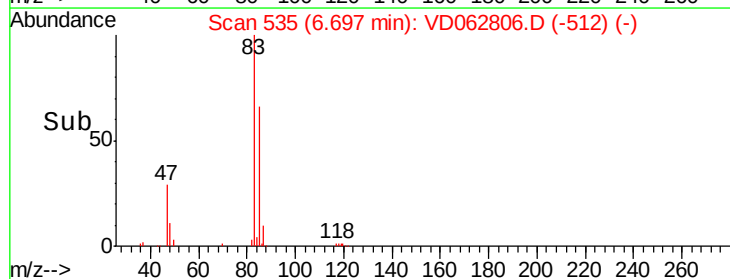
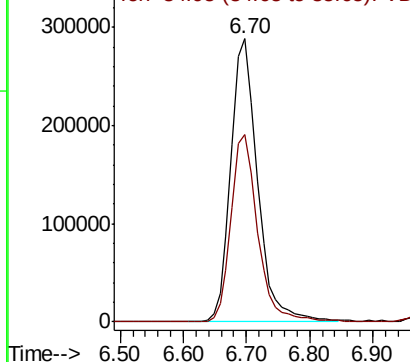
Ion Ratio Lower Upper

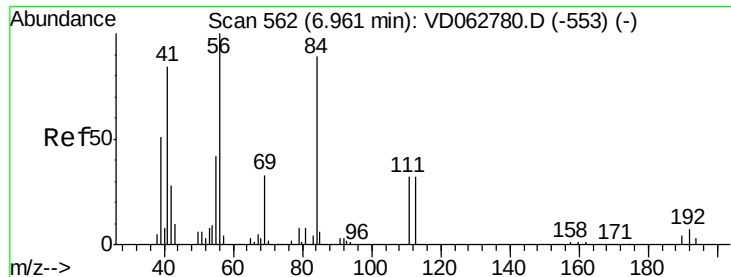
83 100

85 66.4 49.8 74.6



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

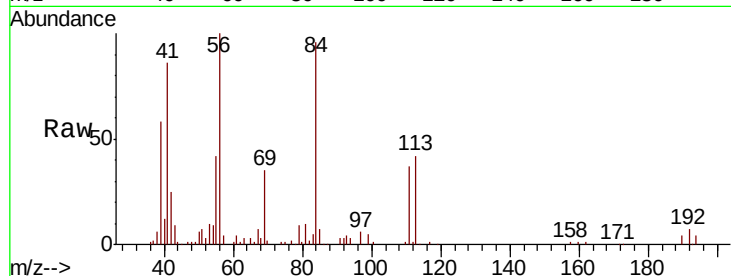




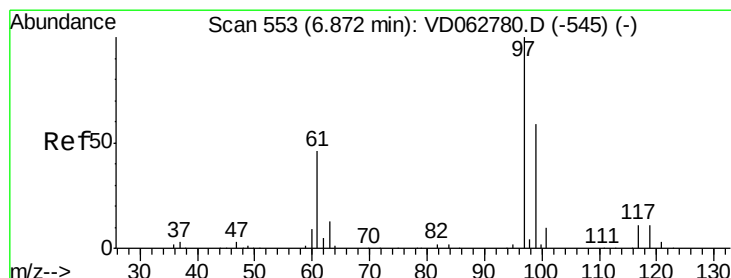
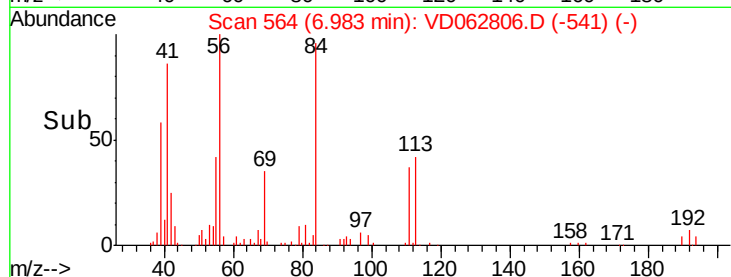
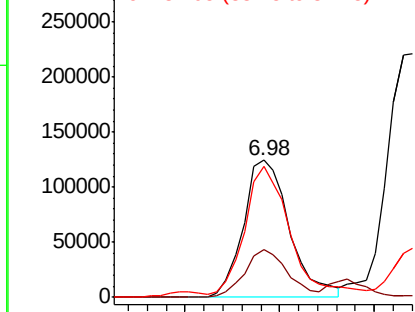
#31
Cyclohexane
Concen: 46.799 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 420783
Ion Ratio Lower Upper
56 100
69 34.8 26.6 39.8
84 95.7 75.5 113.3

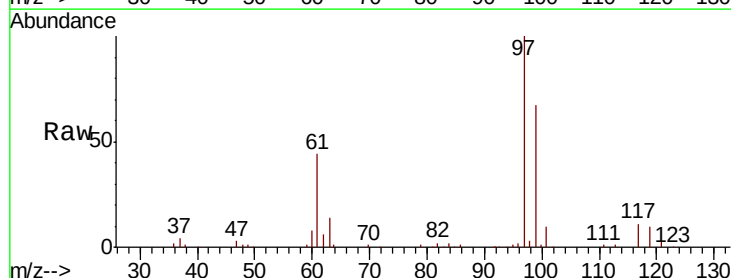


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

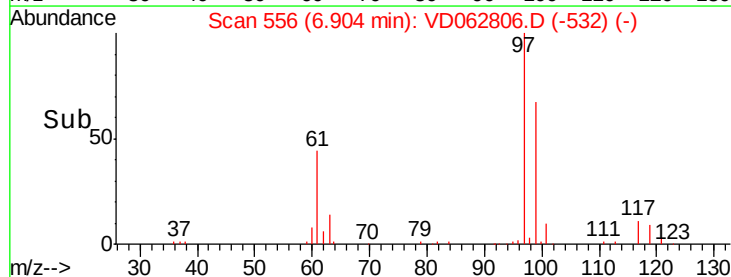
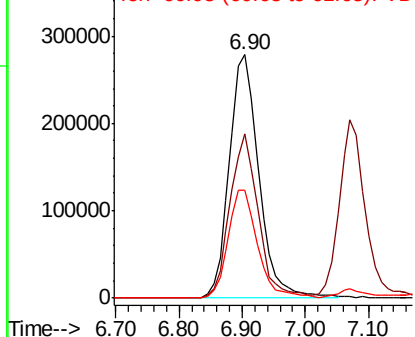


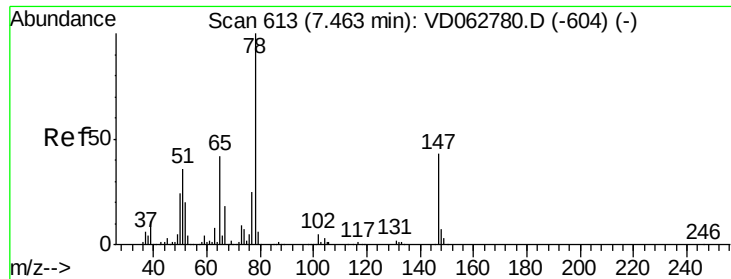
#32
1,1,1-Trichloroethane
Concen: 52.053 ug/l
RT: 6.90 min Scan# 556
Delta R.T. 0.03 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Tgt Ion: 97 Resp: 901813
Ion Ratio Lower Upper
97 100
99 67.4 47.4 71.2
61 44.2 37.2 55.8



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

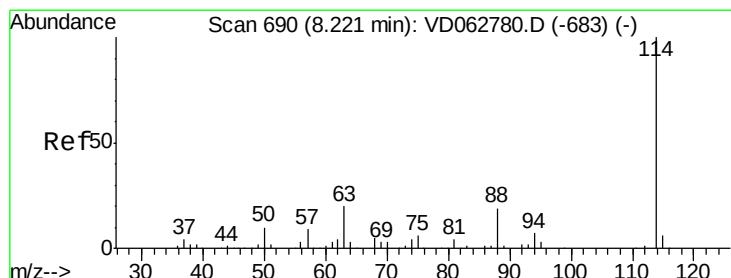
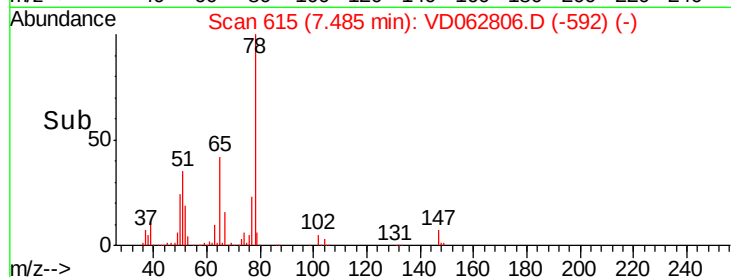
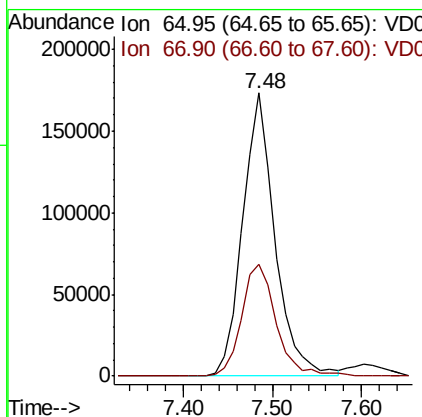
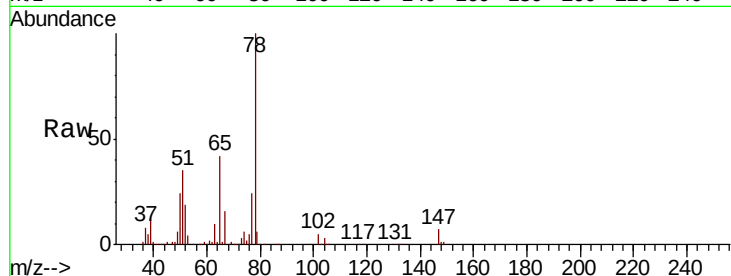




#33
 1,2-Dichloroethane-d4
 Concen: 45.308 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

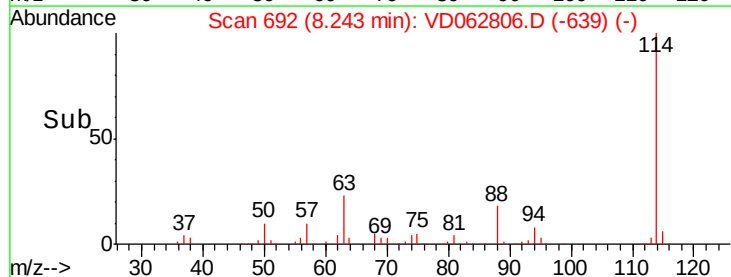
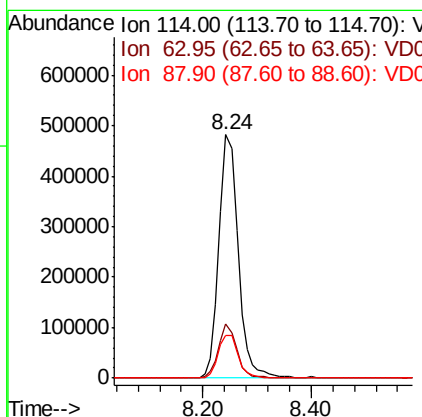
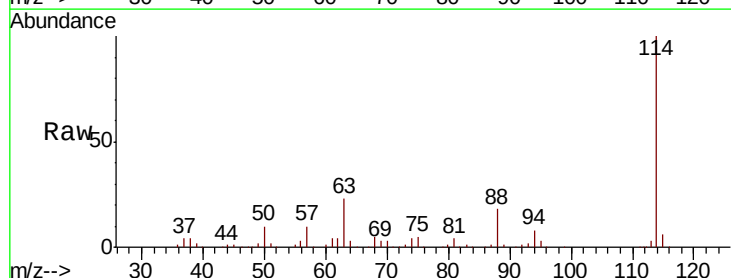
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

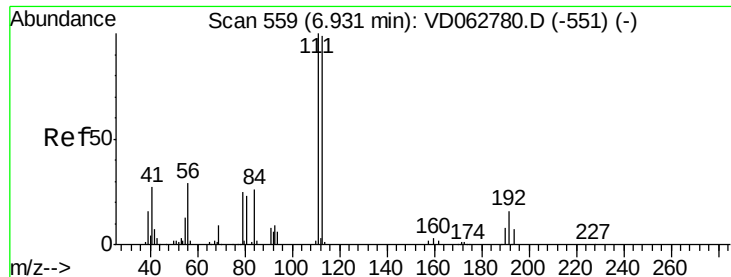
Tot Ion: 65 Resp: 433814
 Ion Ratio Lower Upper
 65 100
 67 39.3 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion: 114 Resp: 1201018
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 40.0
 88 17.7 0.0 38.8

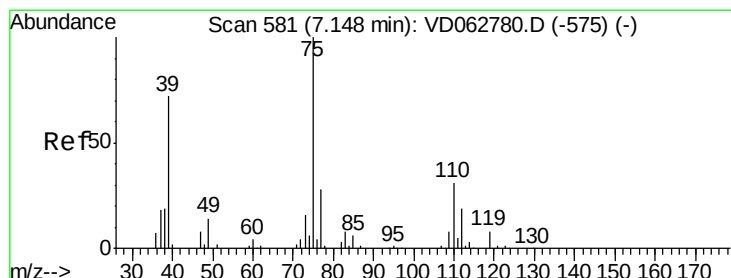
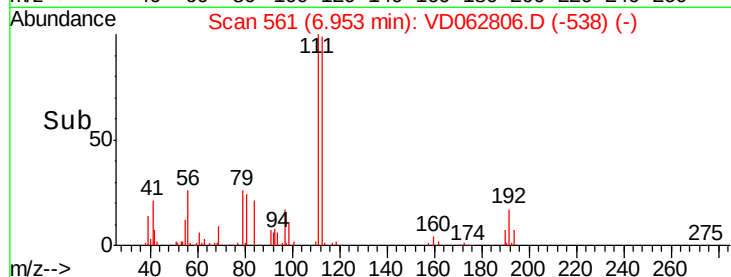
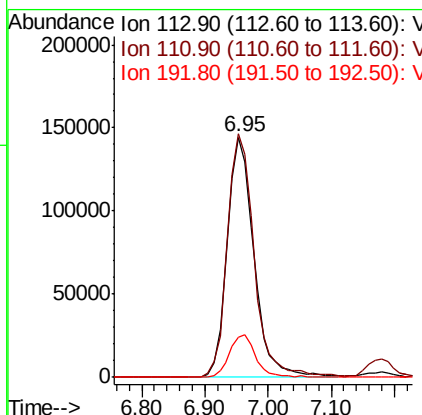
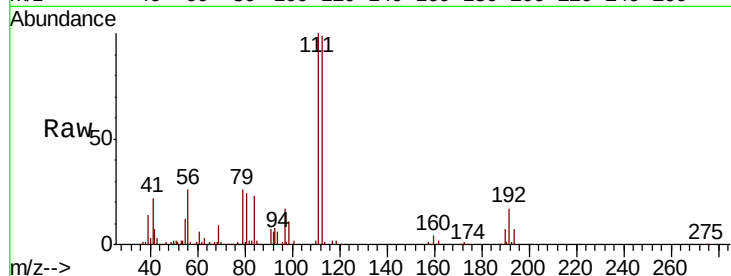




#35
 Dibromofluoromethane
 Concen: 41.648 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

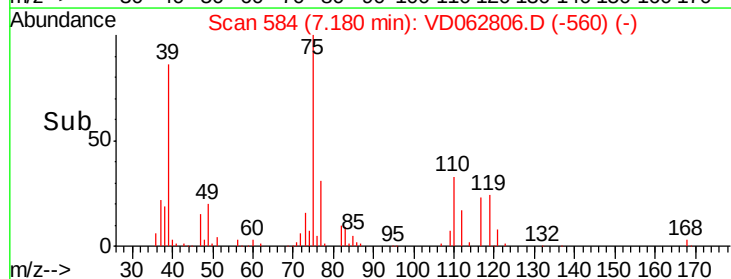
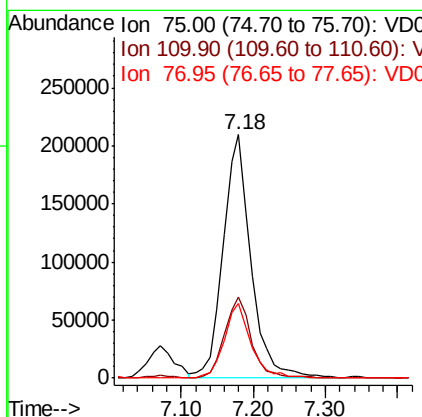
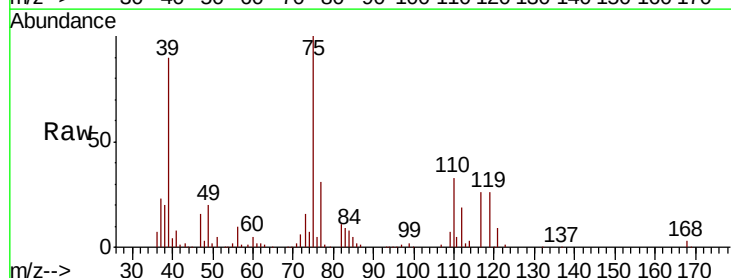
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

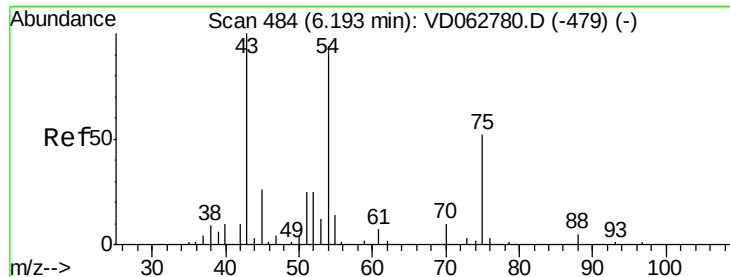
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.2	121.8
192	16.8	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 48.509 ug/l
 RT: 7.18 min Scan# 584
 Delta R.T. 0.03 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	15.0	45.1
77	30.6	22.2	33.2





#37

Ethyl Acetate

Concen: 45.692 ug/l

RT: 6.21 min Scan# 486

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

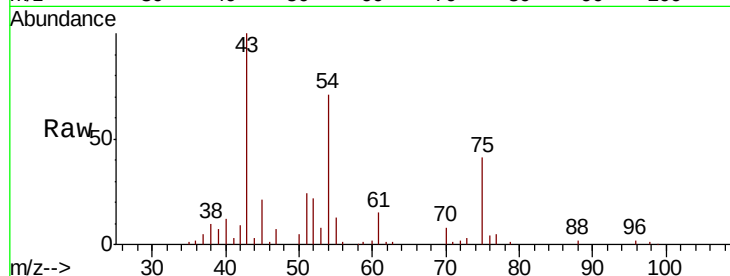
Tot Ion: 43 Resp: 218675

Ion Ratio Lower Upper

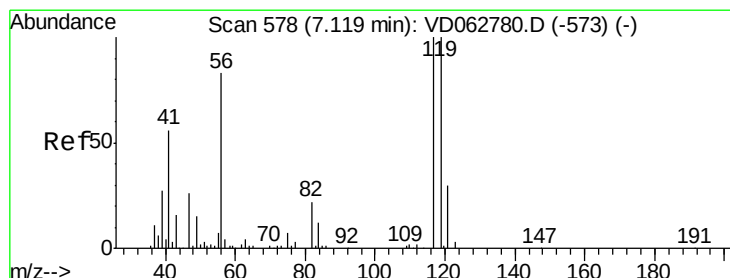
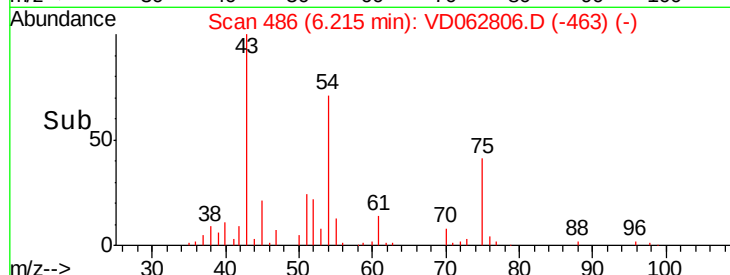
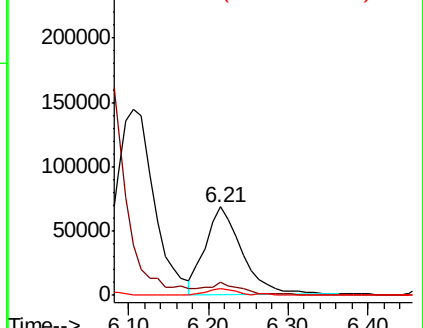
43 100

61 14.7 11.6 17.4

70 7.6 6.4 9.6



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



#38

Carbon Tetrachloride

Concen: 56.339 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

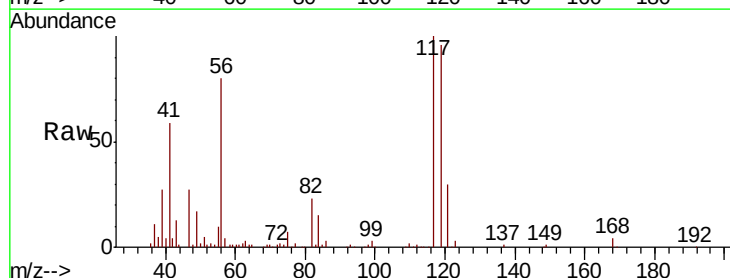
Tgt Ion: 117 Resp: 963347

Ion Ratio Lower Upper

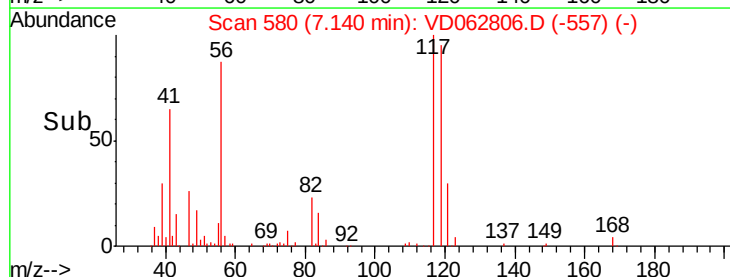
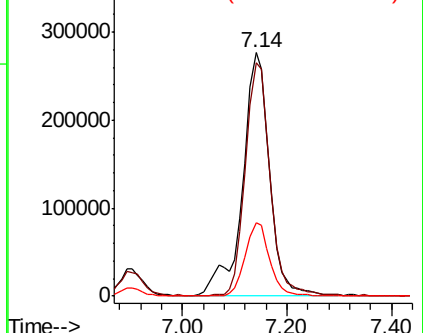
117 100

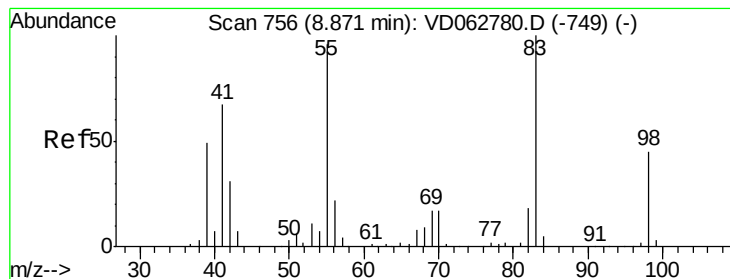
119 96.0 75.4 113.2

121 30.2 22.3 33.5



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





#39

Methylvlcyclohexane

Concen: 45.196 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

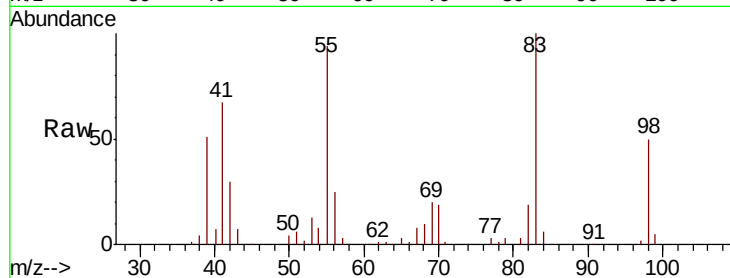
Tot Ion: 83 Resp: 452313

Ion Ratio Lower Upper

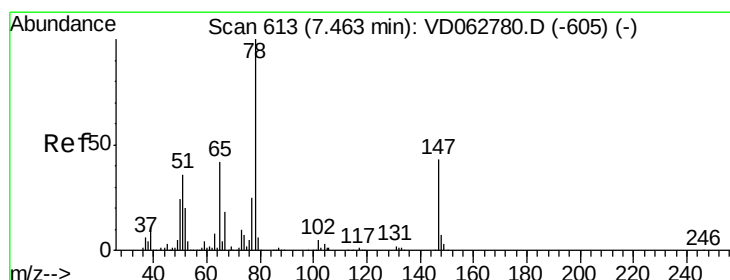
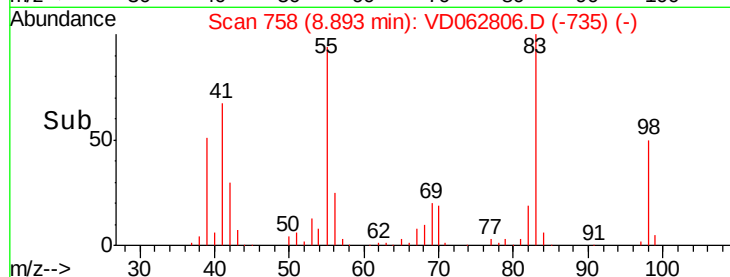
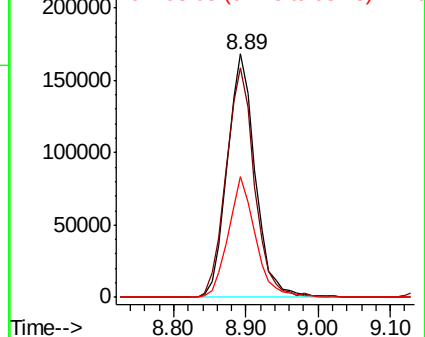
83 100

55 94.2 76.6 115.0

98 49.6 35.7 53.5



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: 48.727 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062806.D

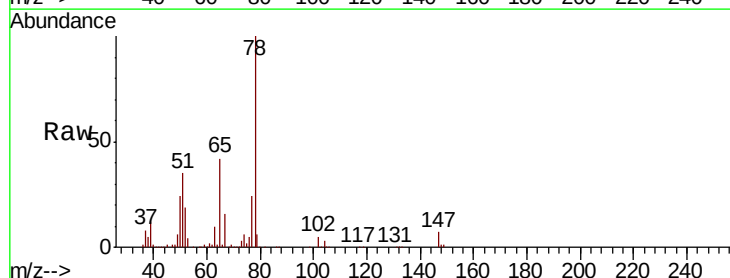
Acq: 21 Jun 2019 10:13

Tgt Ion: 78 Resp: 1112037

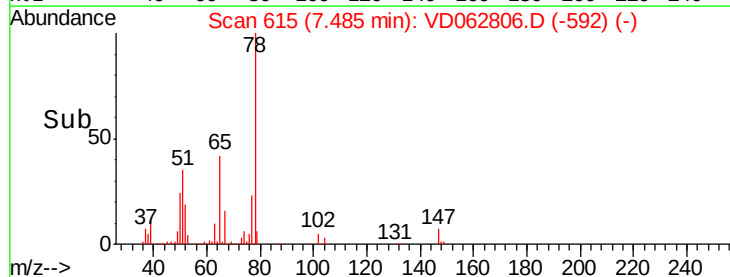
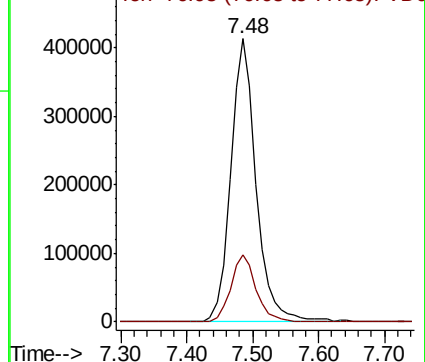
Ion Ratio Lower Upper

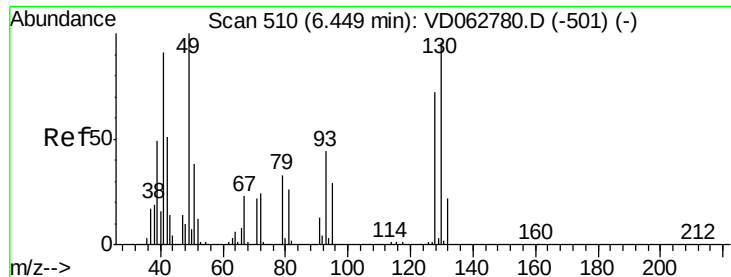
78 100

77 23.7 20.2 30.2



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





#41

Methacrylonitrile

Concen: 50.667 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 303789

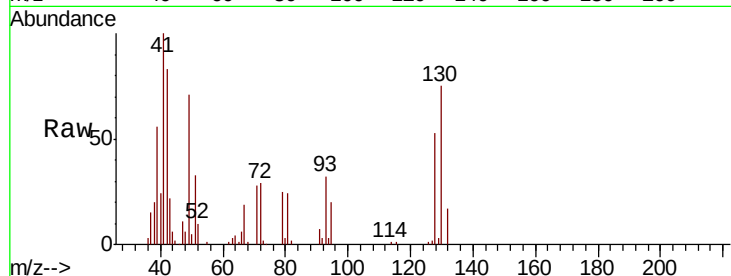
Ion Ratio Lower Upper

41 100

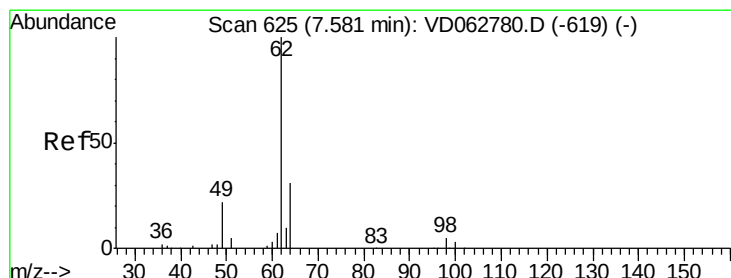
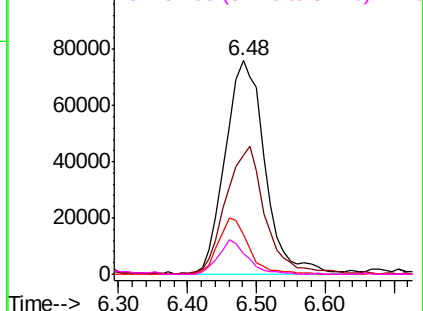
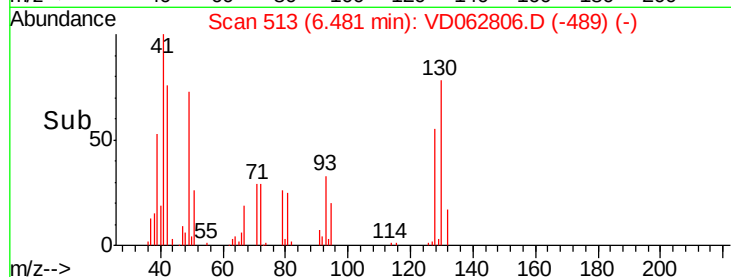
39 55.8 43.2 64.8

67 18.8 19.9 29.9#

52 9.7 10.2 15.4#



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: 55.274 ug/l

RT: 7.60 min Scan# 627

Delta R.T. 0.02 min

Lab File: VD062806.D

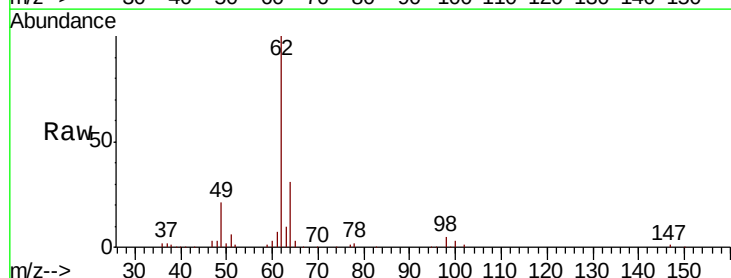
Acq: 21 Jun 2019 10:13

Tgt Ion: 62 Resp: 688150

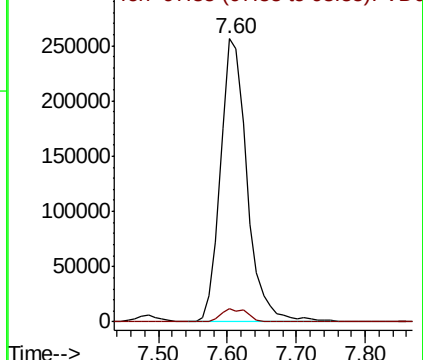
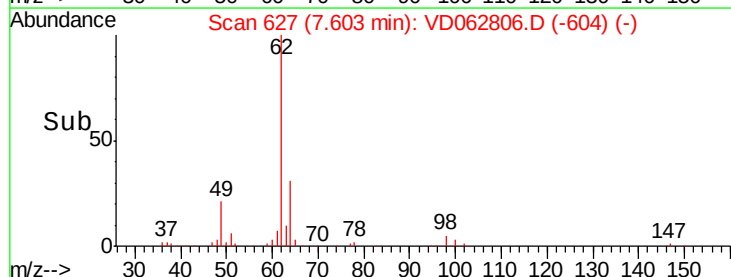
Ion Ratio Lower Upper

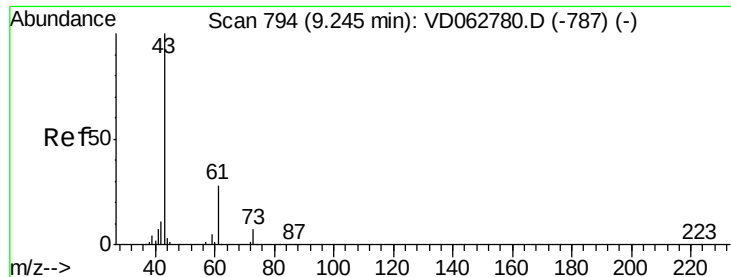
62 100

98 4.8 0.0 10.0



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





#43

Isopropyl Acetate

Concen: 50.526 ug/l

RT: 9.27 min Scan# 796

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

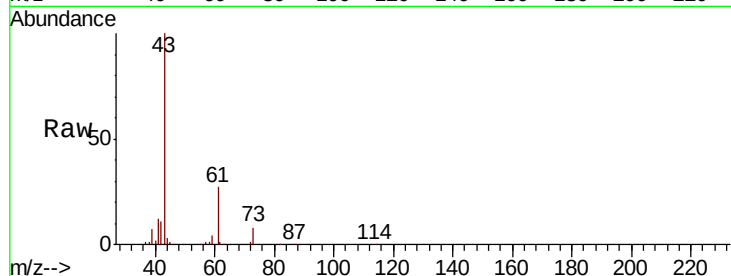
Tot Ion: 43 Resp: 301165

Ion Ratio Lower Upper

43 100

61 27.3 22.4 33.6

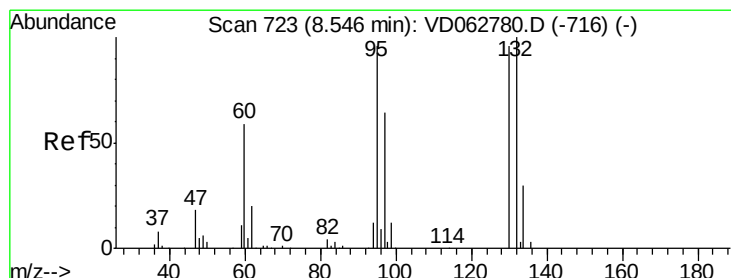
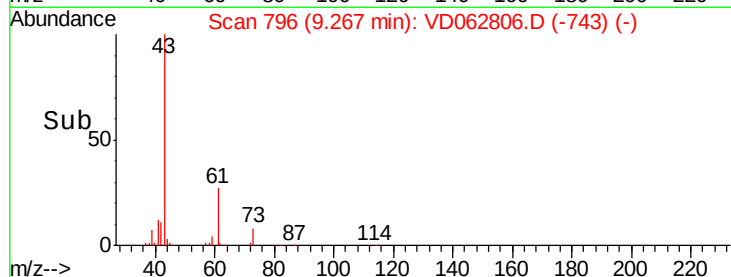
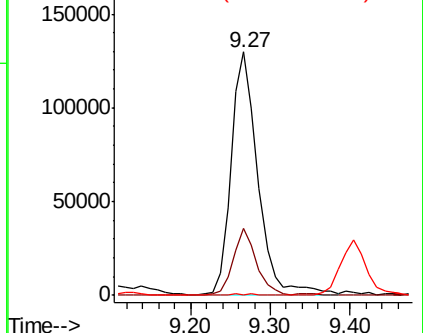
87 0.4 0.3 0.5



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: 46.978 ug/l

RT: 8.57 min Scan# 725

Delta R.T. 0.02 min

Lab File: VD062806.D

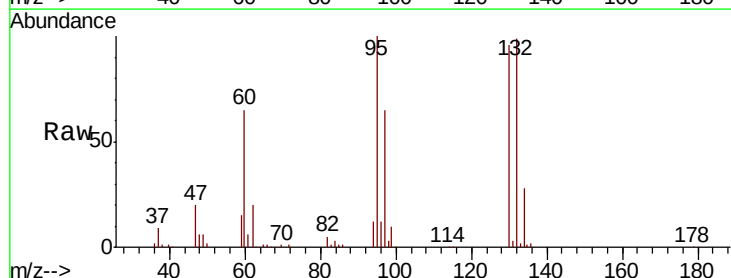
Acq: 21 Jun 2019 10:13

Tgt Ion:130 Resp: 420316

Ion Ratio Lower Upper

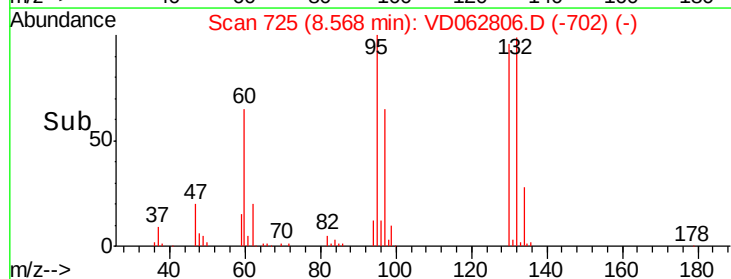
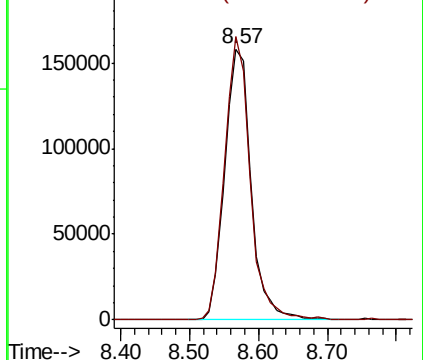
130 100

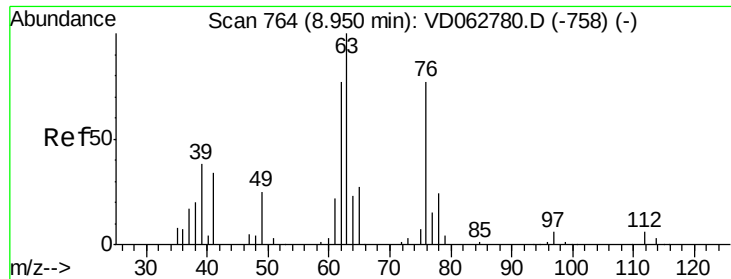
95 104.5 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 46.918 ug/l

RT: 8.97 min Scan# 766

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

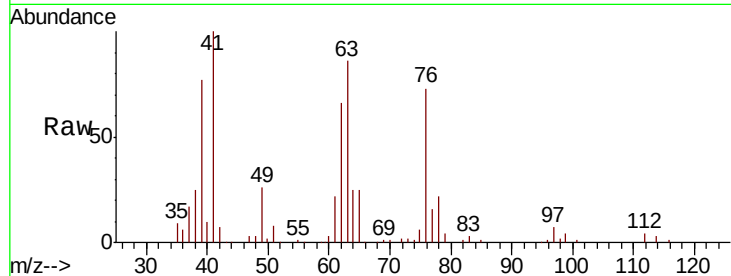
VSTDCCC050

Tot Ion: 63 Resp: 266249

Ion Ratio Lower Upper

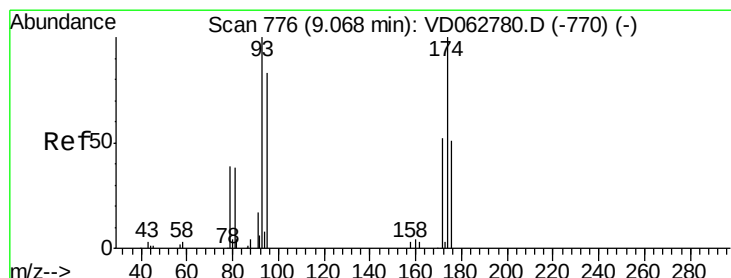
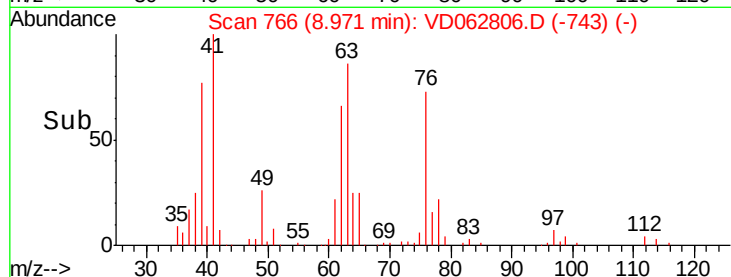
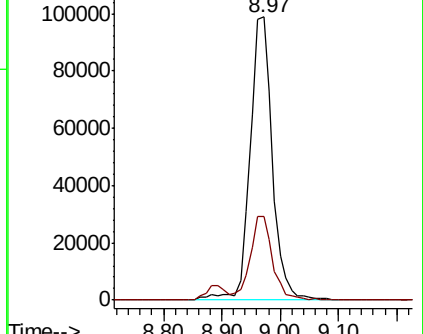
63 100

65 29.6 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.354 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

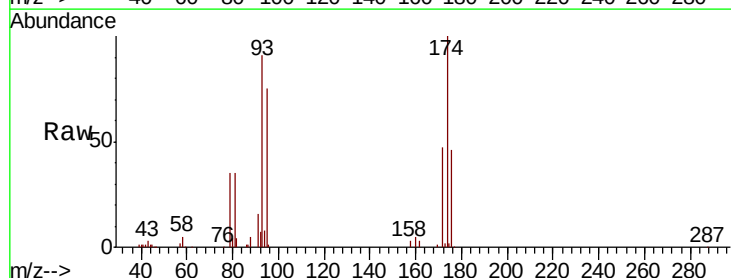
Tgt Ion: 93 Resp: 250334

Ion Ratio Lower Upper

93 100

95 82.0 66.6 100.0

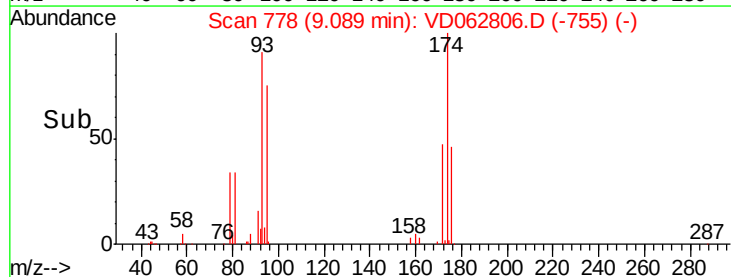
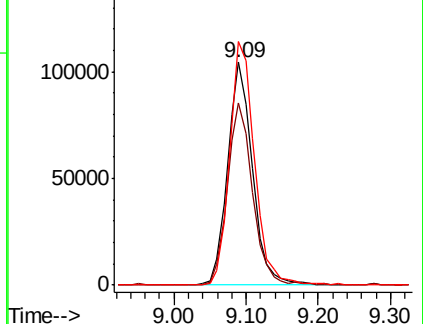
174 109.4 79.7 119.5

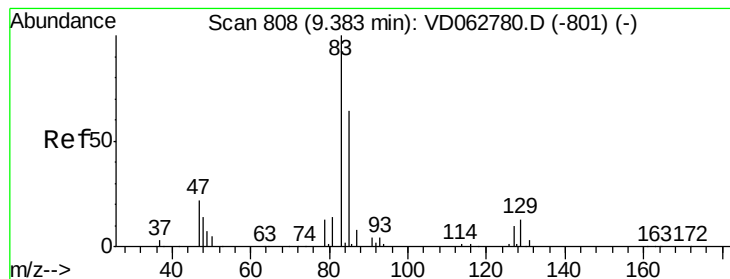


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 54.287 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

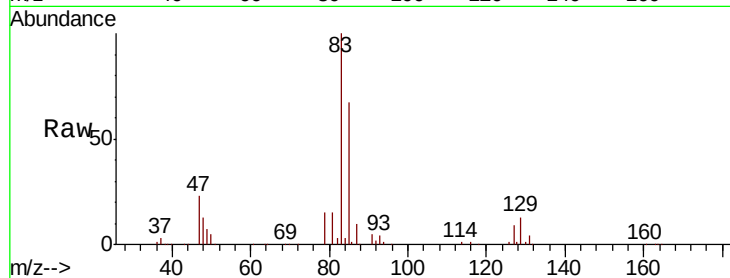
Tot Ion: 83 Resp: 687277

Ion Ratio Lower Upper

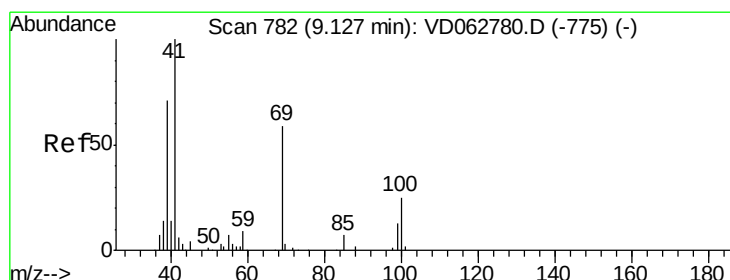
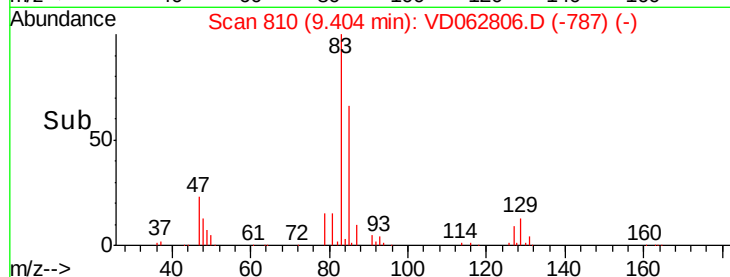
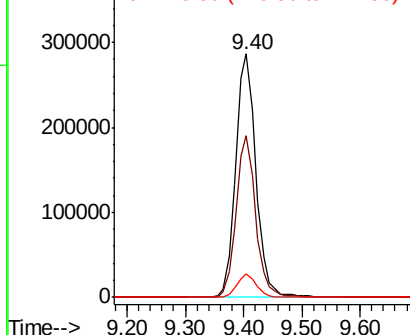
83 100

85 66.5 51.6 77.4

127 9.4 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: 50.320 ug/l

RT: 9.15 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

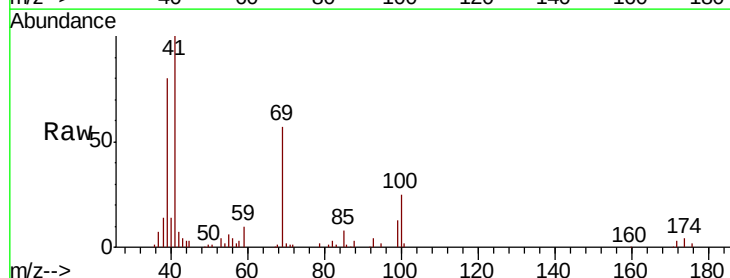
Tgt Ion: 41 Resp: 213145

Ion Ratio Lower Upper

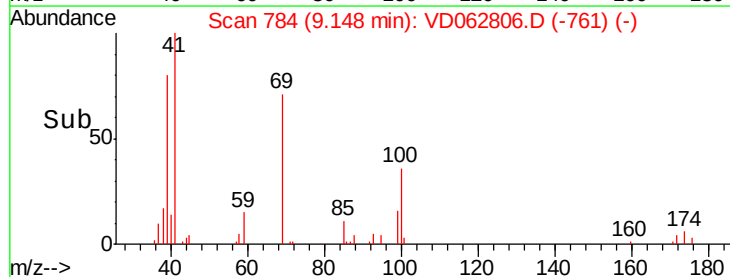
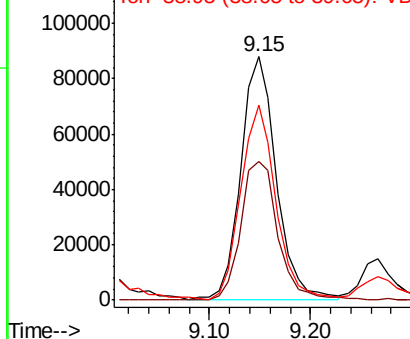
41 100

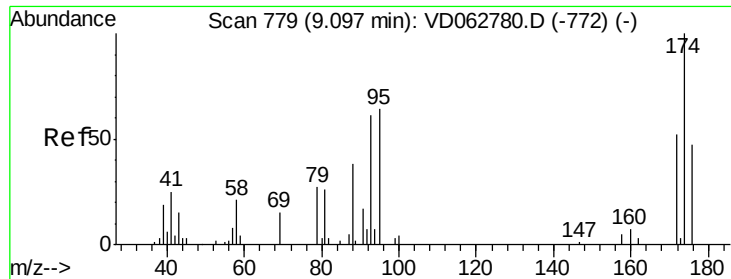
69 57.2 47.2 70.8

39 79.9 57.4 86.2



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

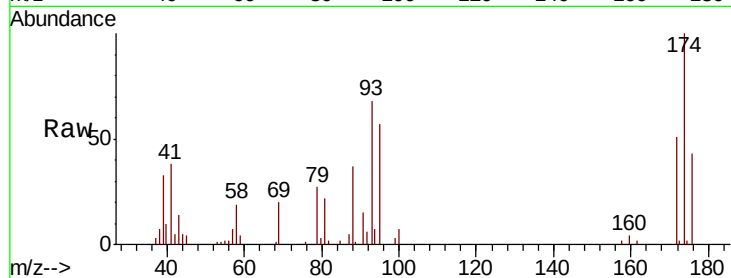




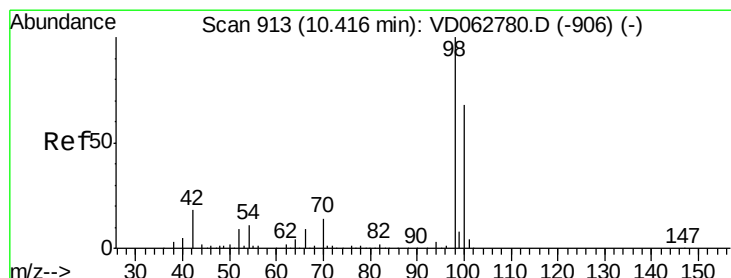
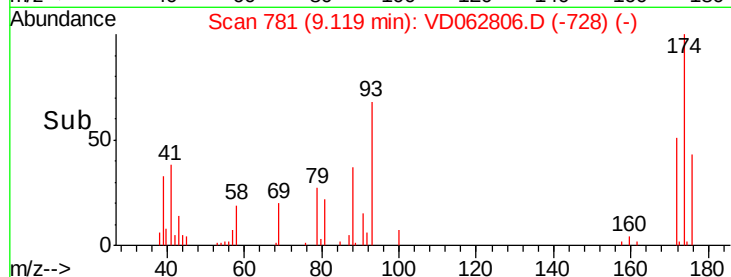
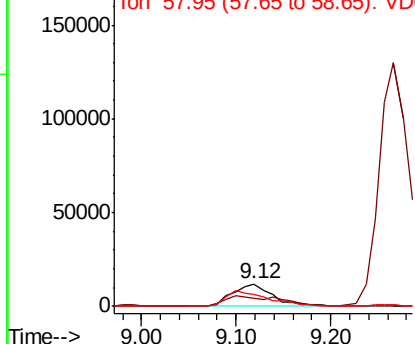
#49
1,4-Dioxane
Concen: 1027.809 ug/l
RT: 9.12 min Scan# 781
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 36220
Ion Ratio Lower Upper
88 100
43 38.4 32.1 48.1
58 51.3 44.1 66.1

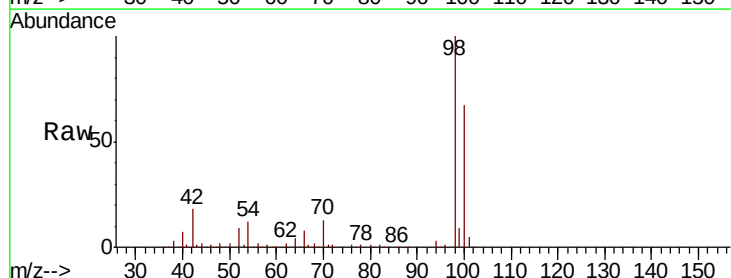


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

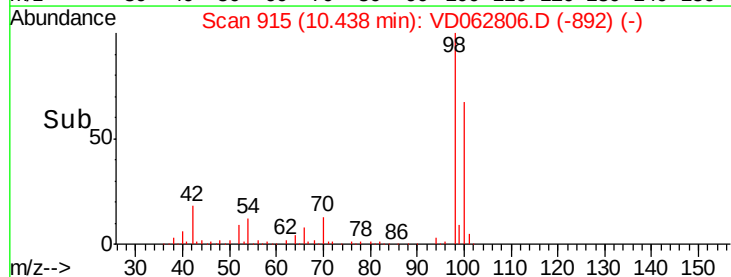
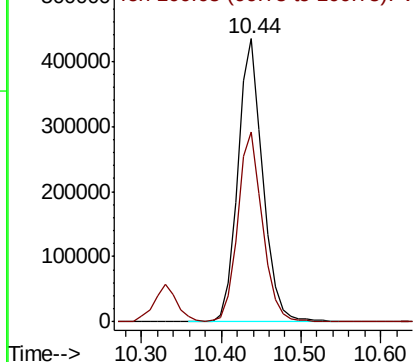


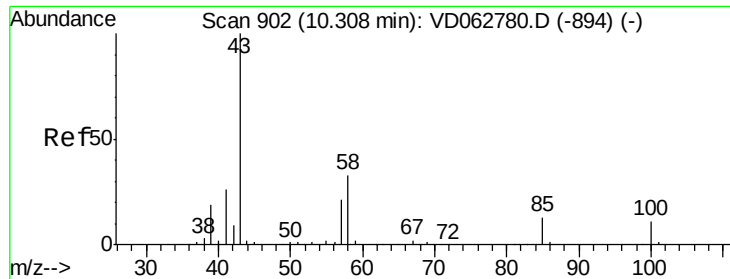
#50
Toluene-d8
Concen: 42.575 ug/l
RT: 10.44 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Tgt Ion: 98 Resp: 938394
Ion Ratio Lower Upper
98 100
100 67.3 54.7 82.1



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: 261.743 ug/l

RT: 10.33 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

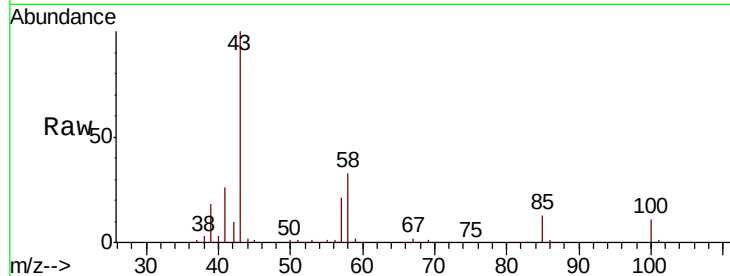
VSTDCCC050

Tot Ion: 43 Resp: 1106124

Ion Ratio Lower Upper

43 100

58 33.1 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.33

500000

400000

300000

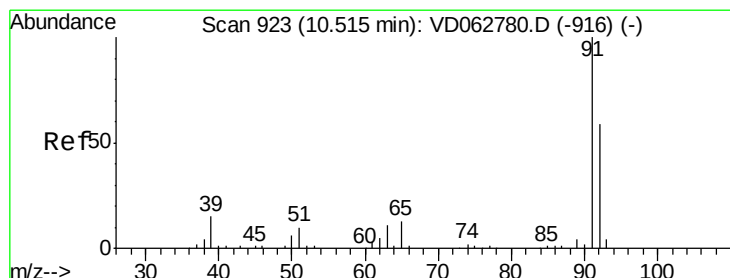
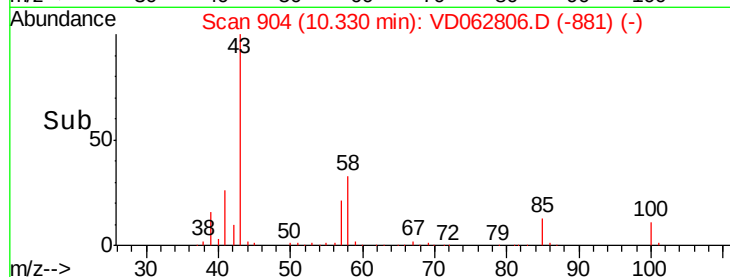
200000

100000

0

Time-->

10.20 10.30 10.40 10.50



#52

Toluene

Concen: 47.701 ug/l

RT: 10.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD062806.D

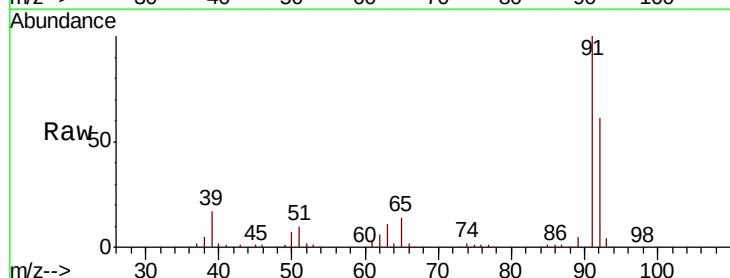
Acq: 21 Jun 2019 10:13

Tgt Ion: 92 Resp: 731769

Ion Ratio Lower Upper

92 100

91 163.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

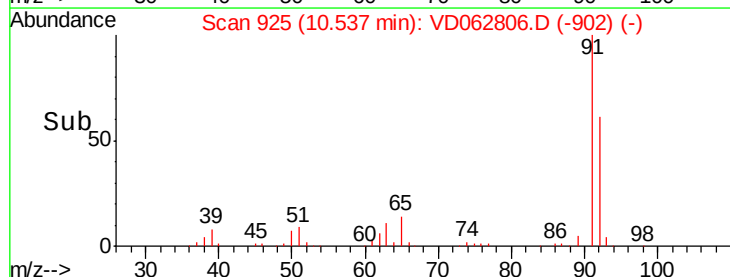
400000

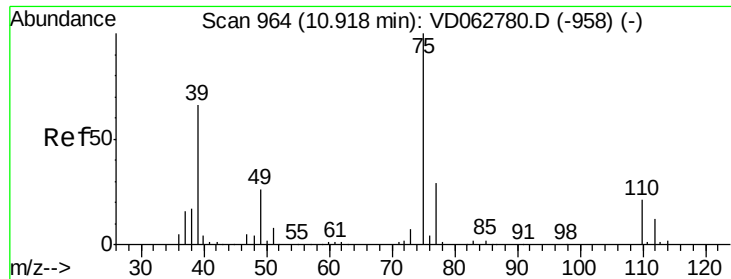
200000

0

Time-->

10.40 10.50 10.60 10.70





#53

t-1,3-Dichloropropene

Concen: 54.016 ug/l

RT: 10.94 min Scan# 966

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

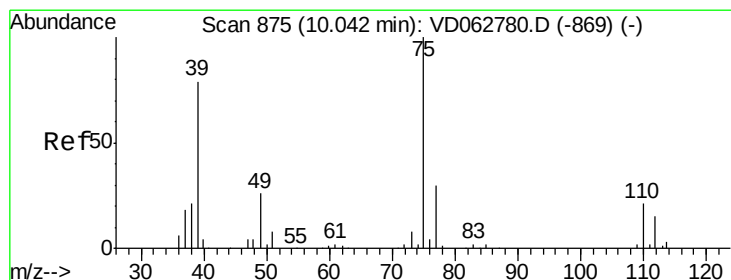
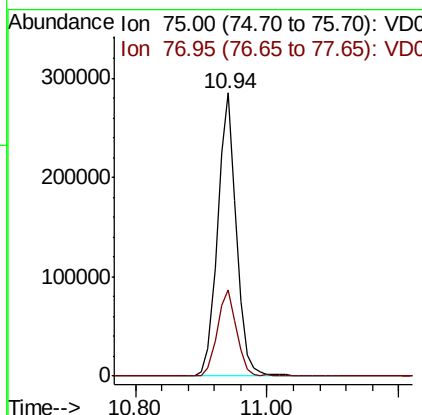
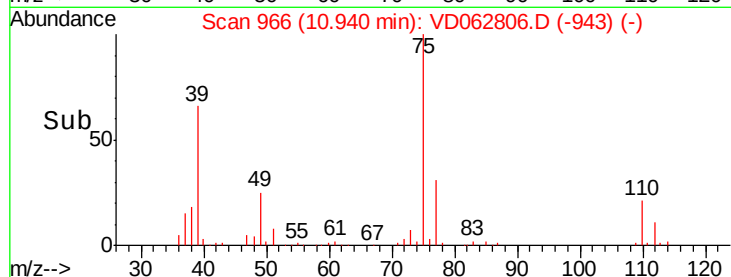
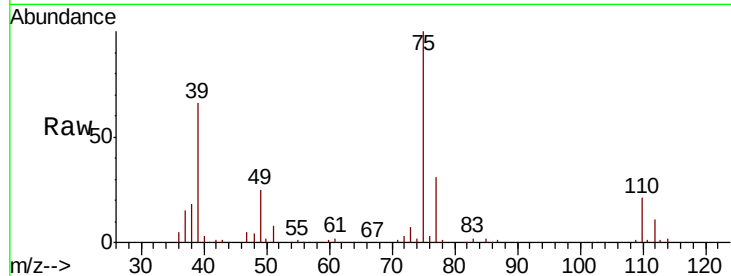
VSTDCCC050

Tot Ion: 75 Resp: 559720

Ion Ratio Lower Upper

75 100

77 30.6 23.2 34.8



#54

cis-1,3-Dichloropropene

Concen: 51.708 ug/l

RT: 10.06 min Scan# 877

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

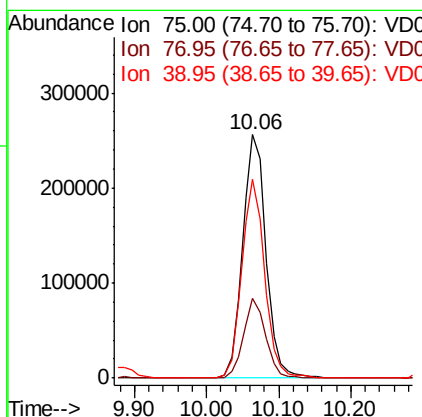
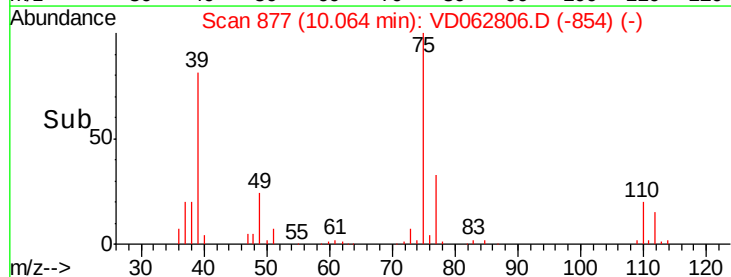
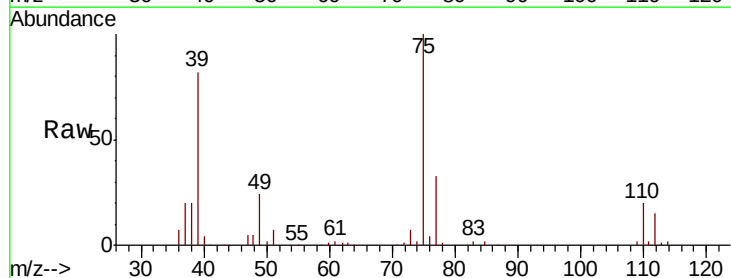
Tgt Ion: 75 Resp: 582376

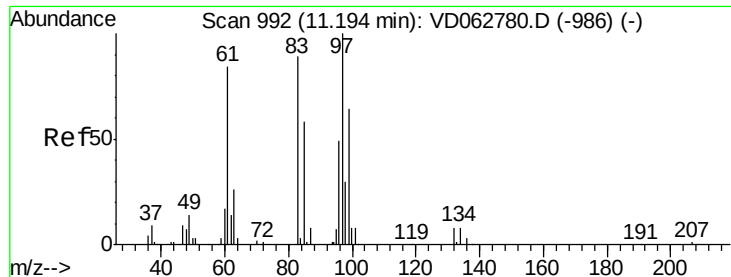
Ion Ratio Lower Upper

75 100

77 33.0 24.2 36.2

39 81.6 63.5 95.3

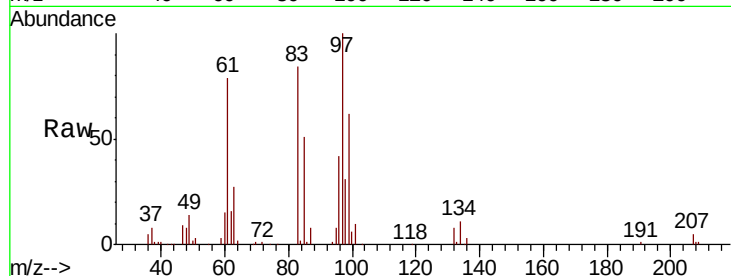




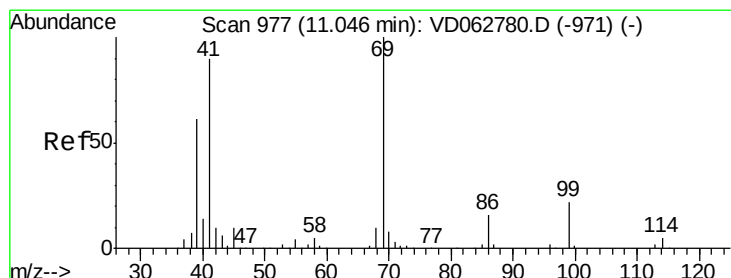
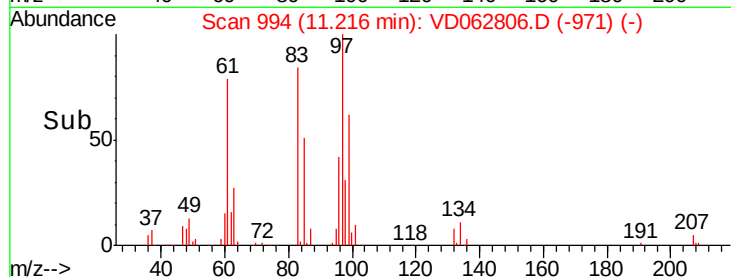
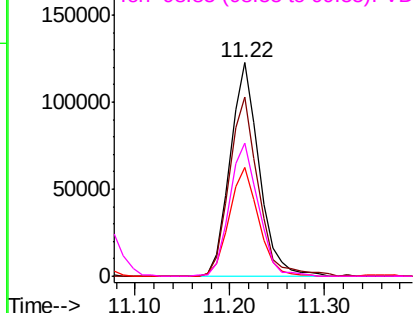
#55
 1,1,2-Trichloroethane
 Concen: 49.639 ug/l
 RT: 11.22 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 261626
 Ion Ratio Lower Upper
 97 100
 83 83.9 71.0 106.4
 85 51.1 46.6 69.8
 99 62.4 51.4 77.0

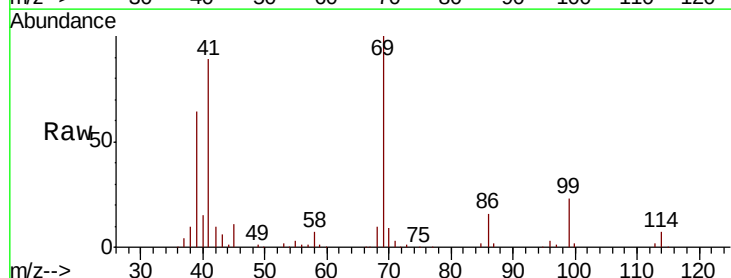


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

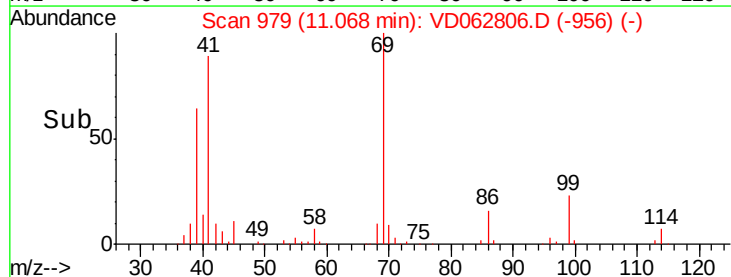
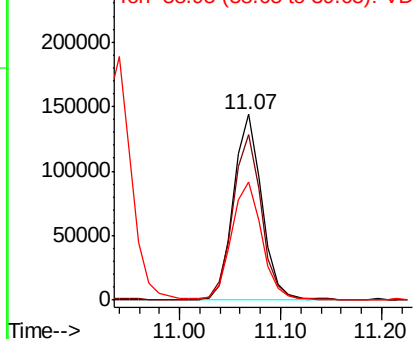


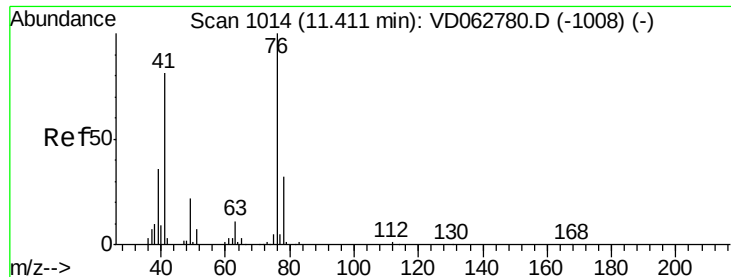
#56
 Ethyl methacrylate
 Concen: 49.726 ug/l
 RT: 11.07 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion: 69 Resp: 280083
 Ion Ratio Lower Upper
 69 100
 41 89.5 72.0 108.0
 39 63.8 49.5 74.3



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





#57

1,3-Dichloropropane

Concen: 52.076 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

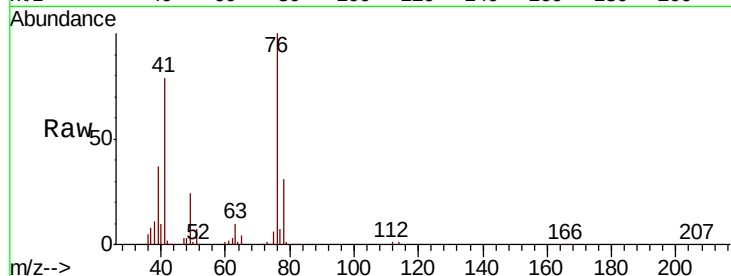
VSTDCCC050

Tot Ion: 76 Resp: 420252

Ion Ratio Lower Upper

76 100

78 30.7 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.43

200000

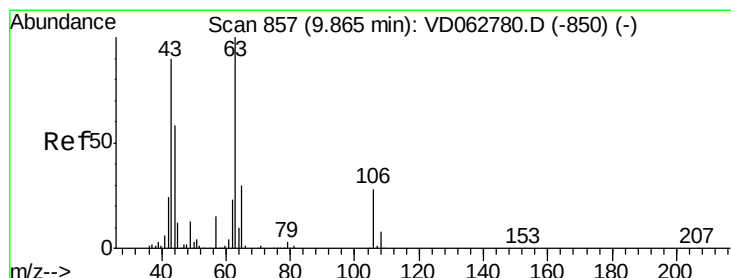
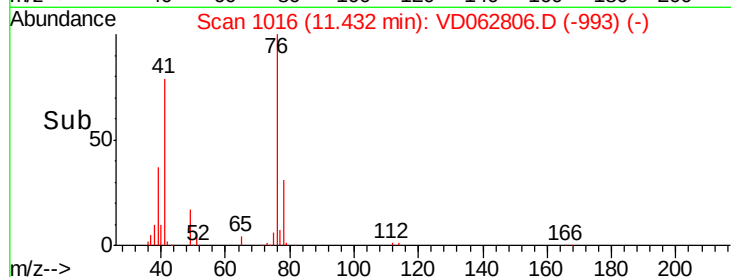
150000

100000

50000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 246.490 ug/l

RT: 9.89 min Scan# 859

Delta R.T. 0.02 min

Lab File: VD062806.D

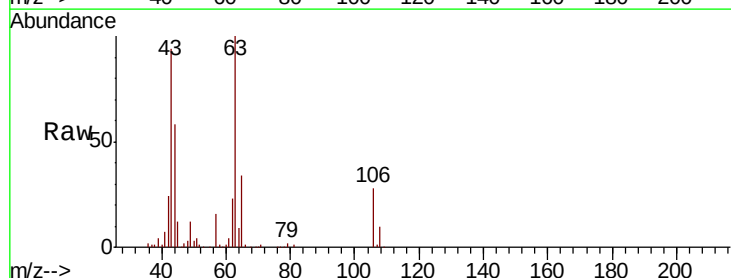
Acq: 21 Jun 2019 10:13

Tgt Ion: 63 Resp: 712765

Ion Ratio Lower Upper

63 100

106 28.1 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.89

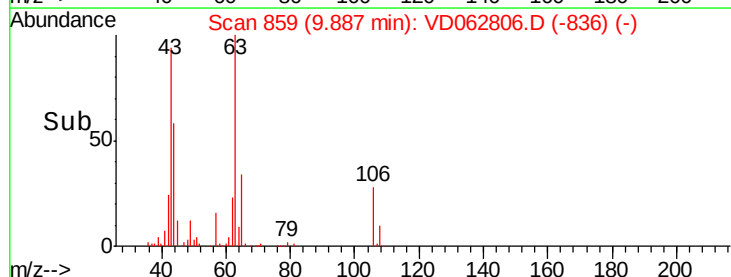
300000

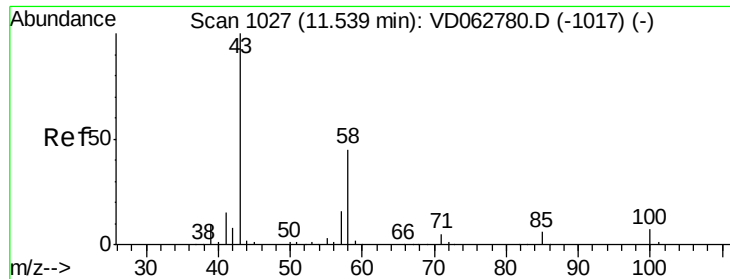
200000

100000

0

Time--> 9.70 9.80 9.90 10.00

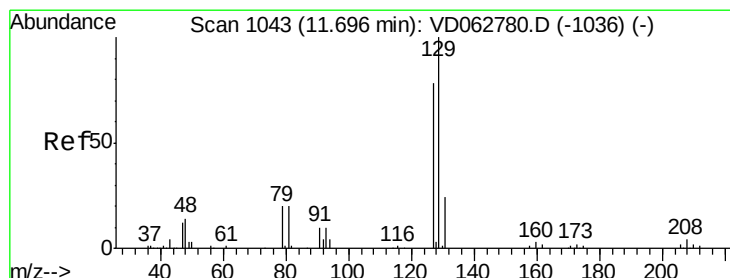
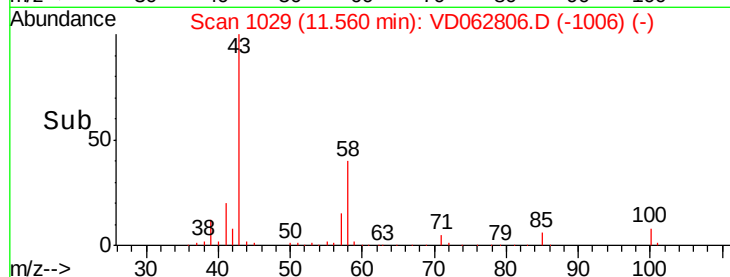
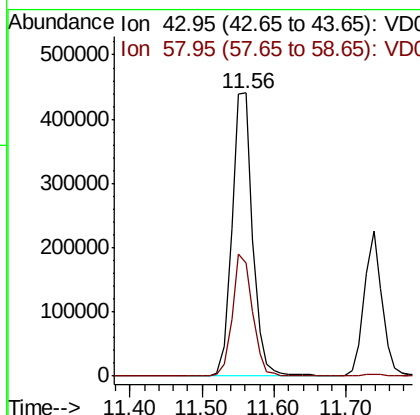
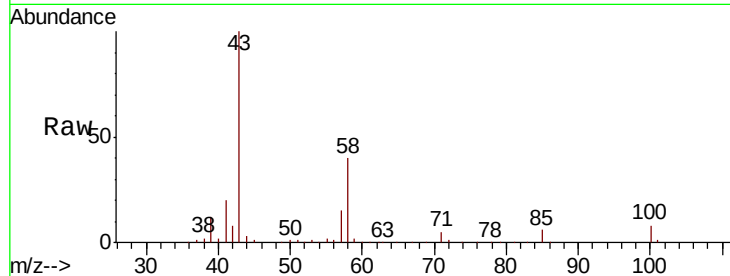




#59
2-Hexanone
Concen: 293.522 ug/l
RT: 11.56 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

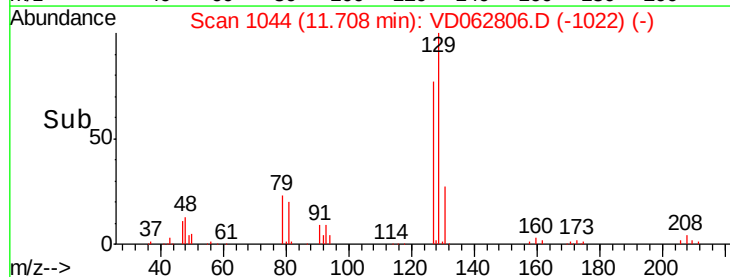
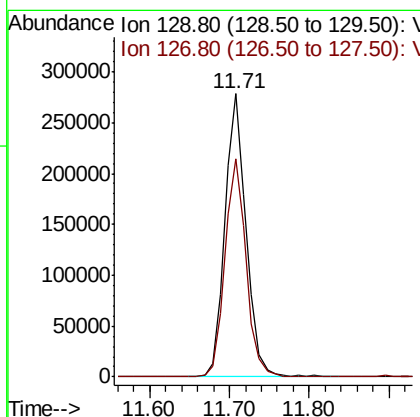
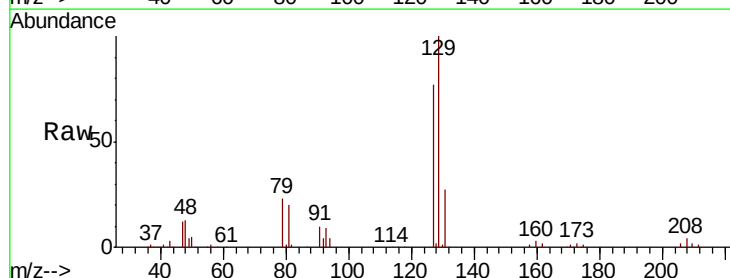
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

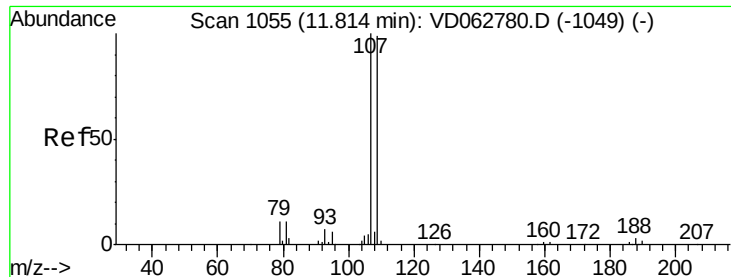
Tot Ion: 43 Resp: 883416
Ion Ratio Lower Upper
43 100
58 40.0 22.4 67.2



#60
Dibromochloromethane
Concen: 53.112 ug/l
RT: 11.71 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Tgt Ion: 129 Resp: 521402
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6

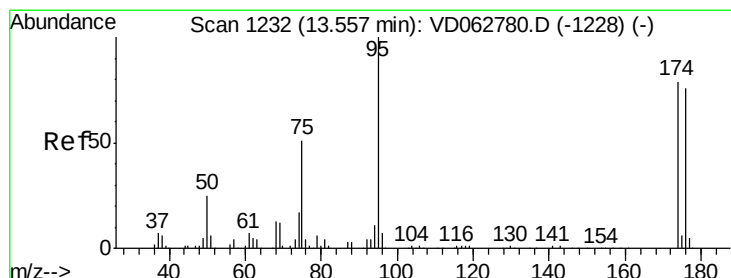
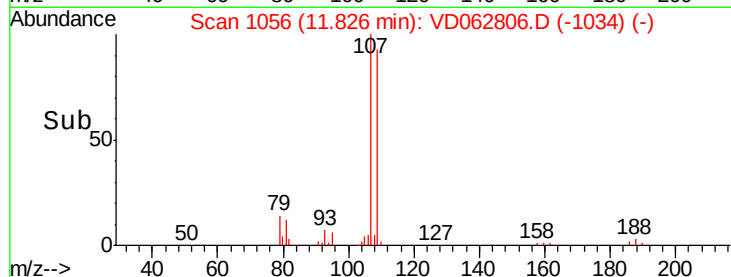
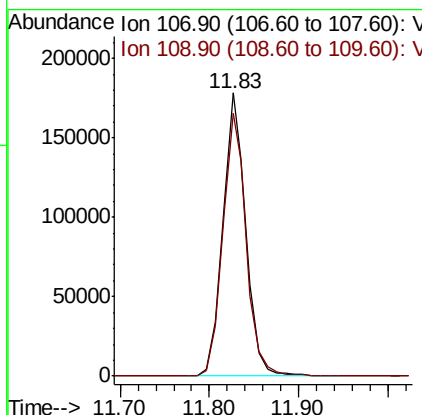
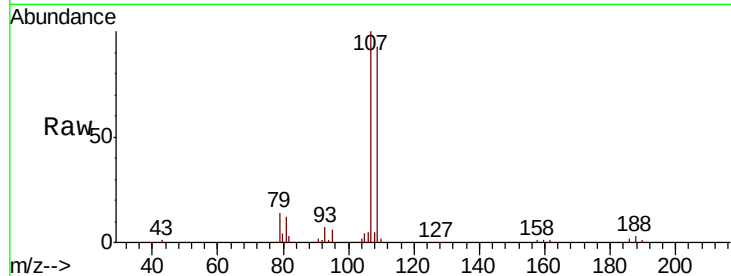




#61
 1,2-Dibromoethane
 Concen: 51.759 ug/l
 RT: 11.83 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

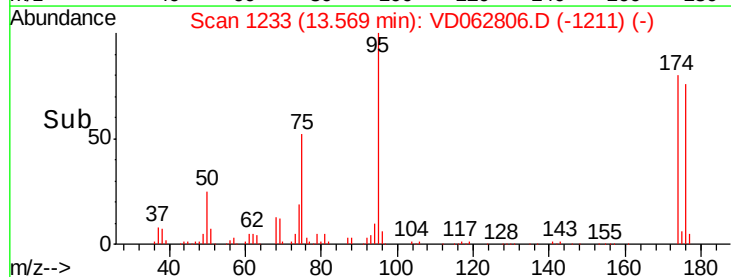
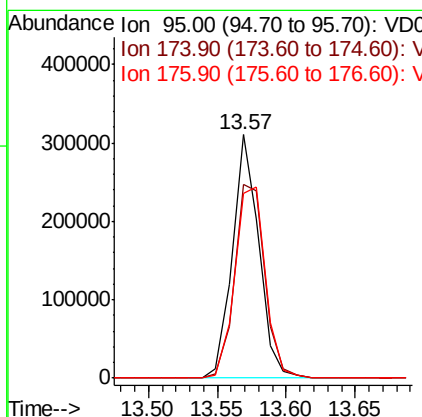
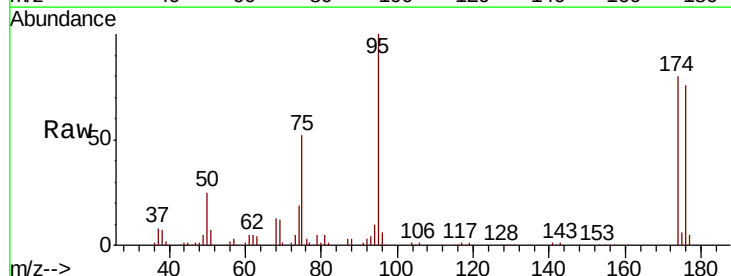
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

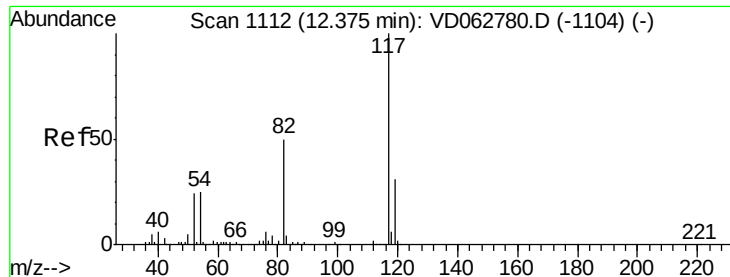
Tot Ion:107 Resp: 322189
 Ion Ratio Lower Upper
 107 100
 109 92.8 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 41.275 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion: 95 Resp: 413669
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 158.0
 176 75.8 0.0 151.6

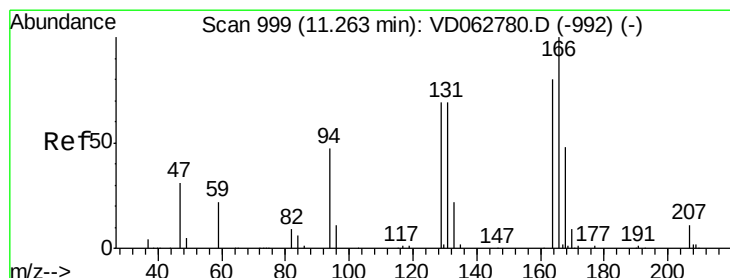
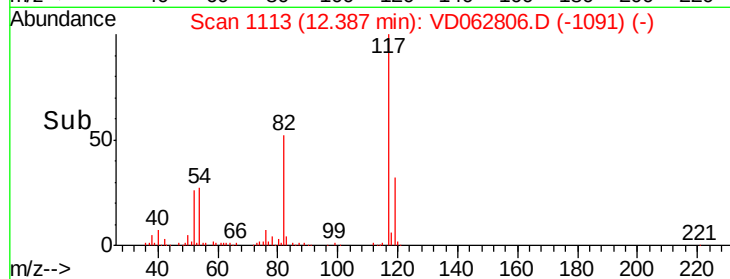
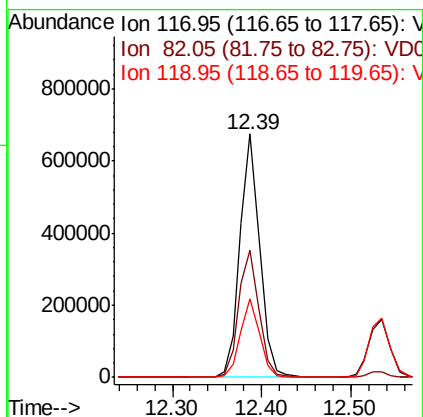
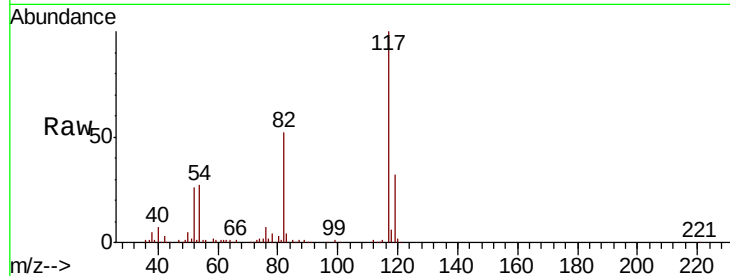




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

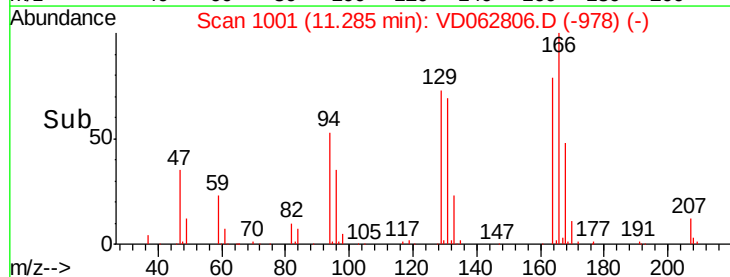
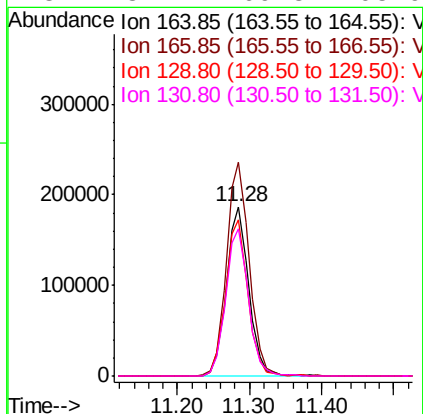
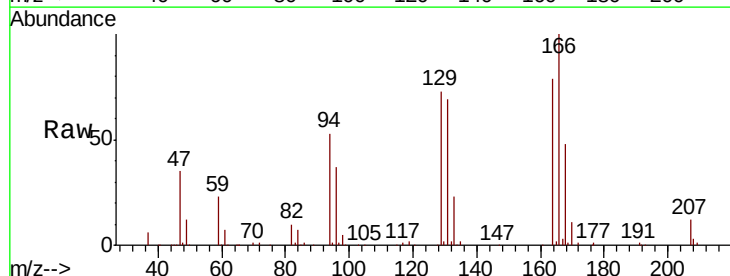
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

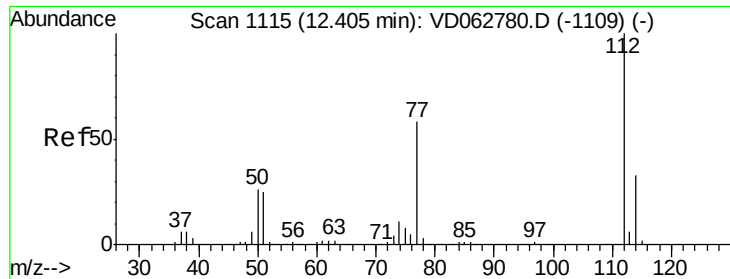
Tot Ion:117 Resp: 1045784
Ion Ratio Lower Upper
117 100
82 52.2 40.4 60.6
119 32.1 25.2 37.8



#64
Tetrachloroethene
Concen: 46.605 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Tgt Ion:164 Resp: 401131
Ion Ratio Lower Upper
164 100
166 126.0 100.6 150.8
129 91.9 69.4 104.0
131 87.1 69.3 103.9

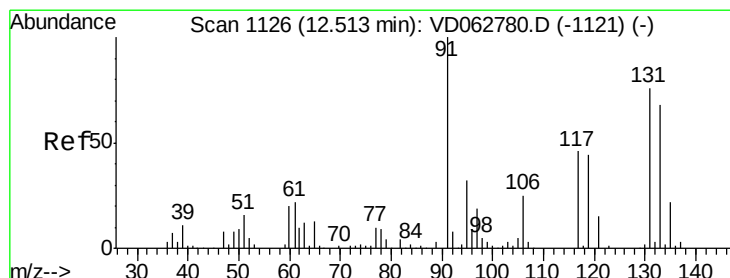
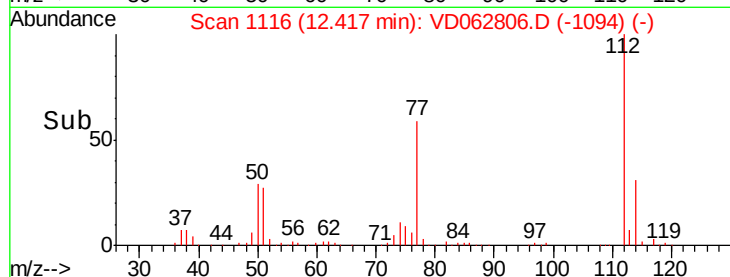
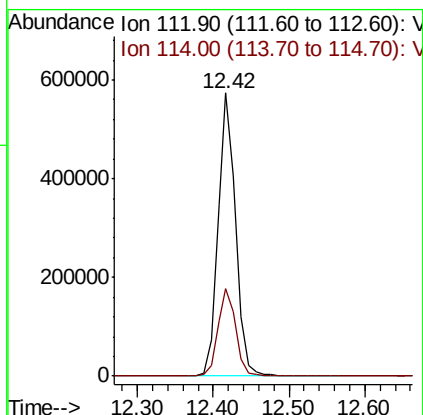
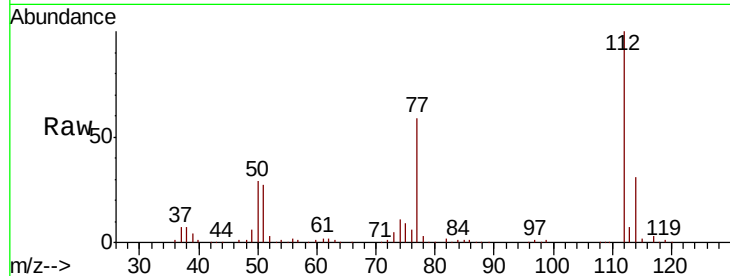




#65
Chlorobenzene
Concen: 47.847 ug/l
RT: 12.42 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

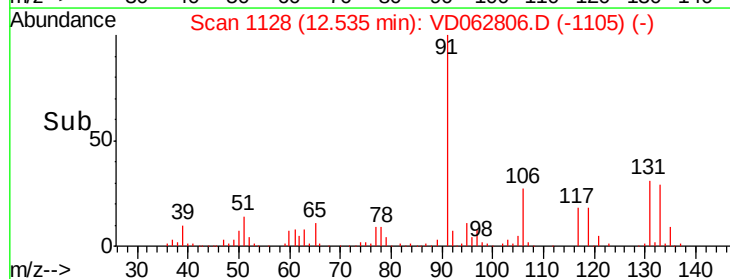
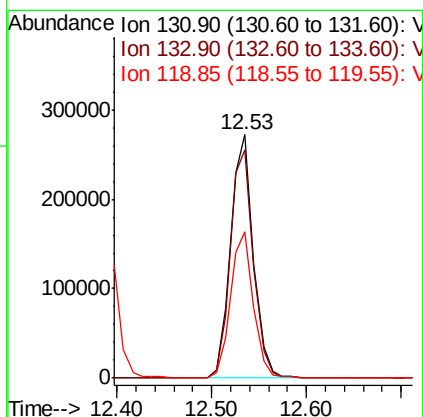
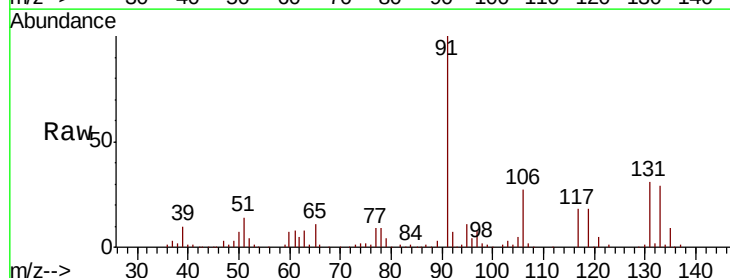
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

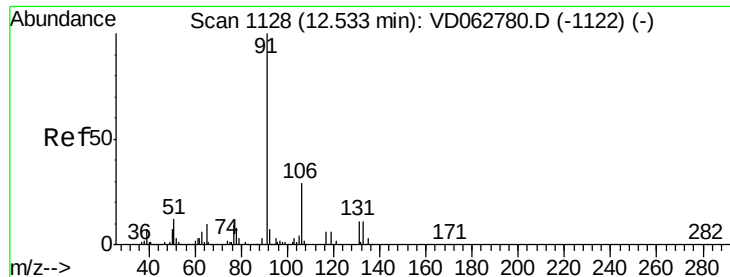
Tot Ion:112 Resp: 928649
Ion Ratio Lower Upper
112 100
114 31.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.741 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Tgt Ion:131 Resp: 451479
Ion Ratio Lower Upper
131 100
133 93.9 44.5 133.3
119 60.0 28.6 85.9

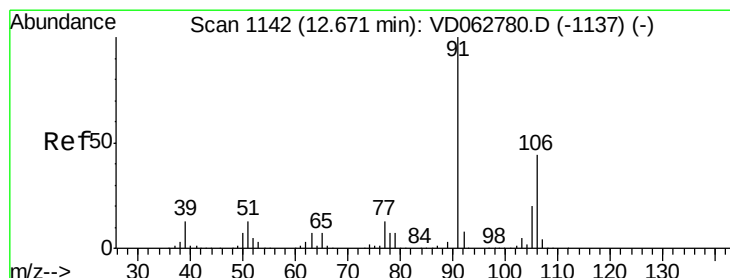
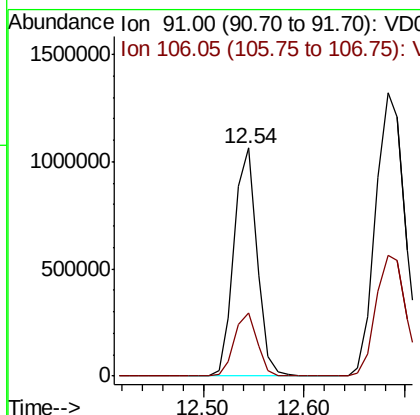
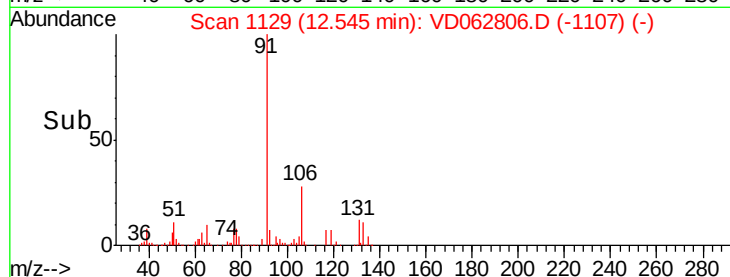
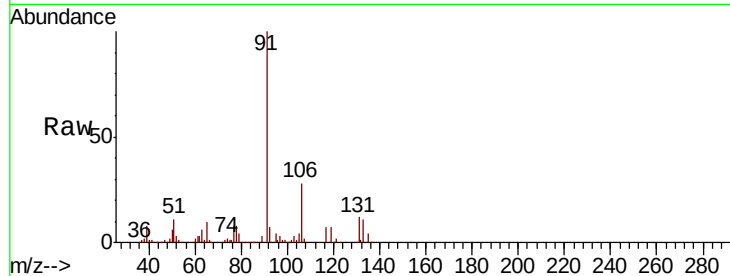




#67
Ethyl Benzene
Concen: 48.256 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

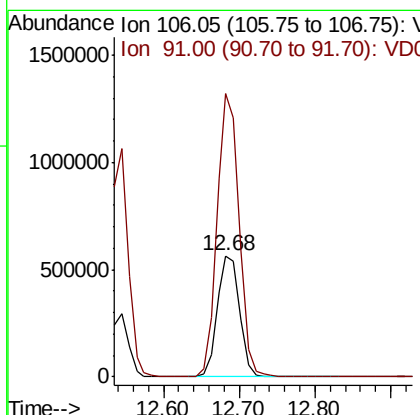
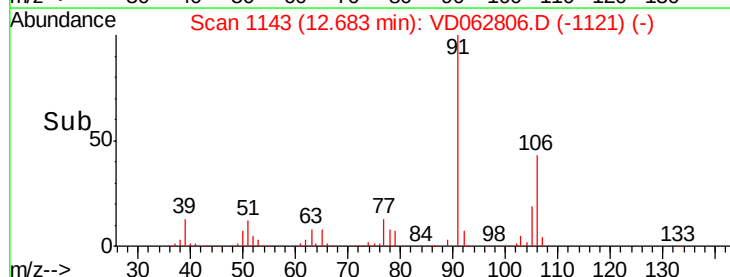
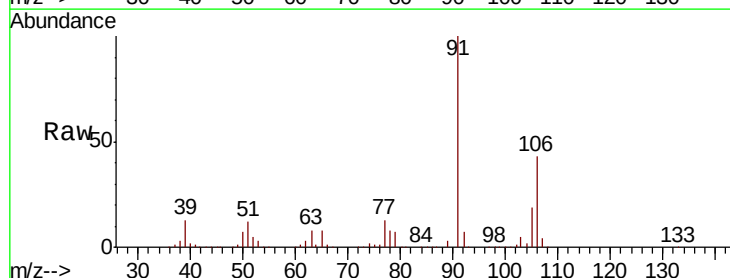
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

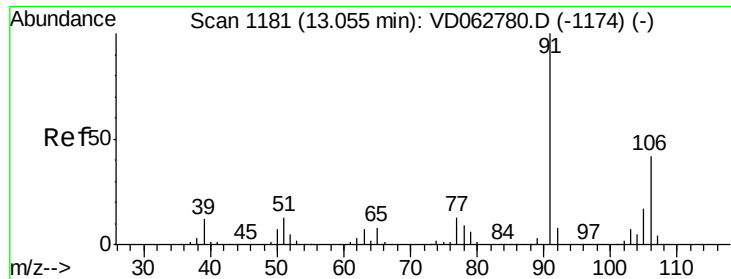
Tot Ion: 91 Resp: 1681521
Ion Ratio Lower Upper
91 100
106 27.8 23.1 34.7



#68
m/p-Xylenes
Concen: 95.530 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Tgt Ion: 106 Resp: 1159408
Ion Ratio Lower Upper
106 100
91 233.5 183.0 274.6

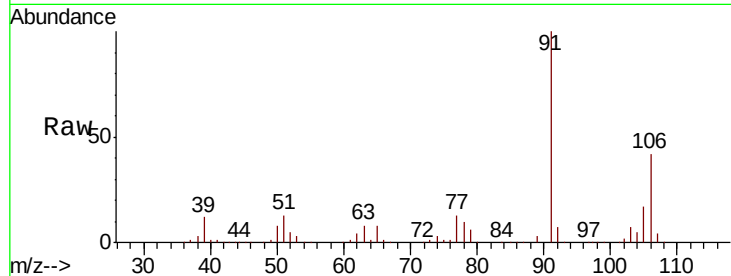




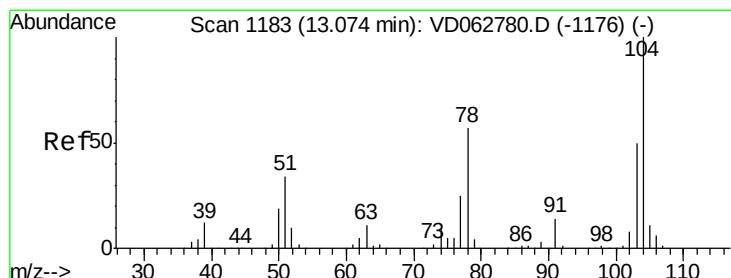
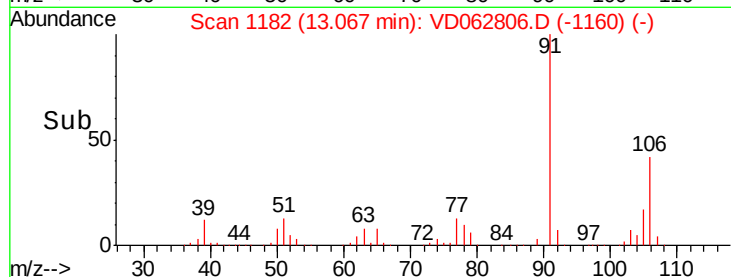
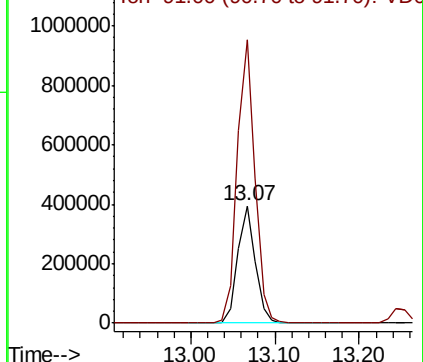
#69
o-Xylene
Concen: 51.963 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 576510
Ion Ratio Lower Upper
106 100
91 240.7 117.9 353.6

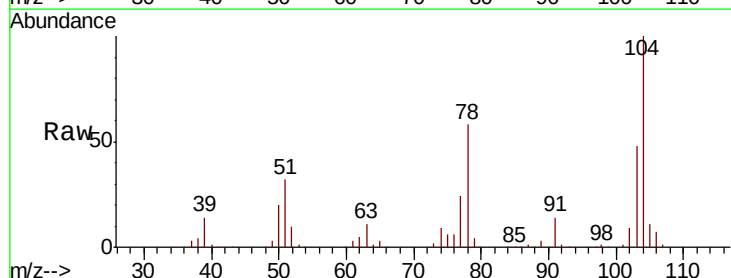


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

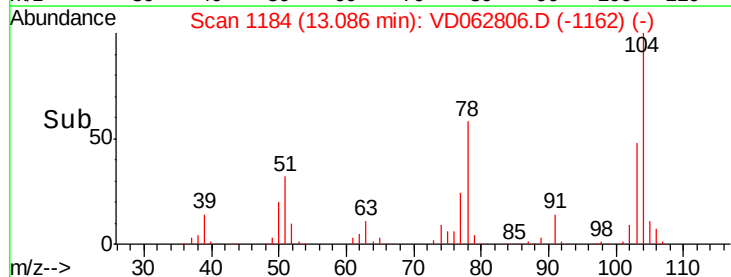
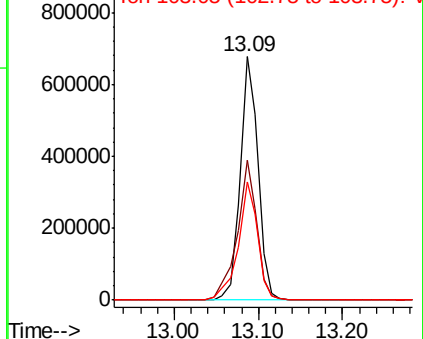


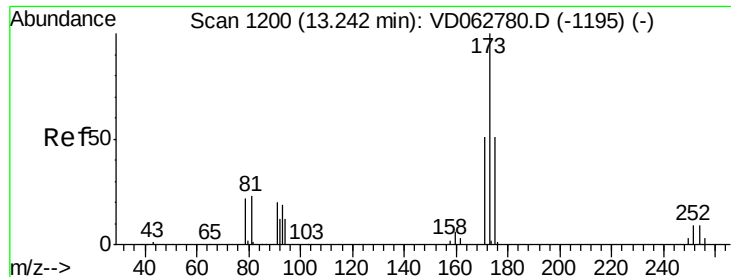
#70
Styrene
Concen: 50.937 ug/l
RT: 13.09 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Tgt Ion:104 Resp: 992624
Ion Ratio Lower Upper
104 100
78 57.6 45.4 68.2
103 48.3 39.7 59.5



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: 53.447 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

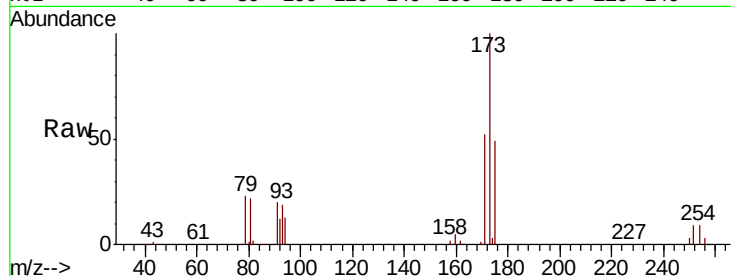
Tot Ion:173 Resp: 332372

Ion Ratio Lower Upper

173 100

175 49.5 25.3 75.9

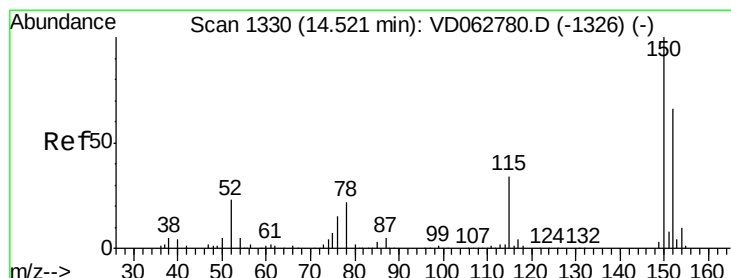
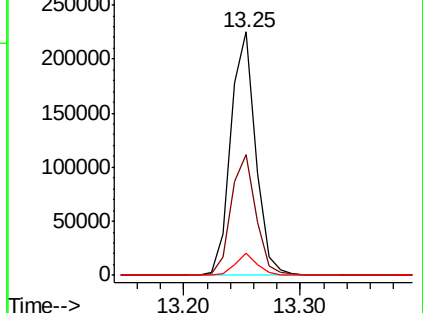
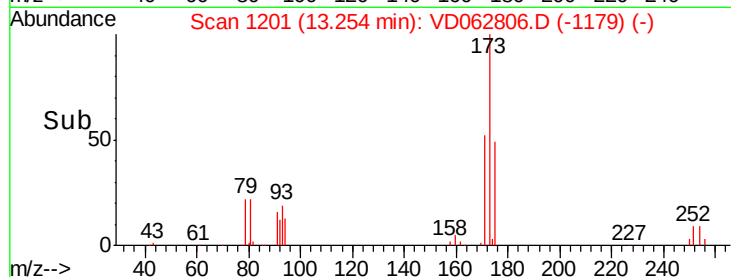
254 9.4 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

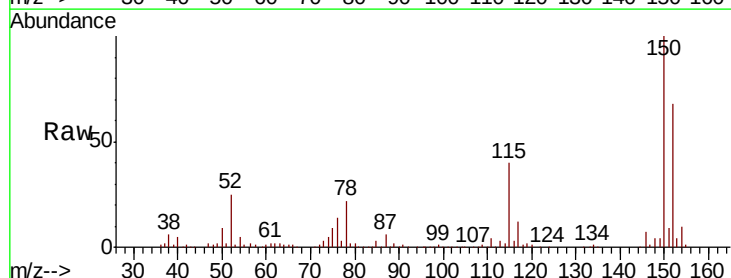
Tgt Ion:152 Resp: 599534

Ion Ratio Lower Upper

152 100

115 58.6 29.2 87.6

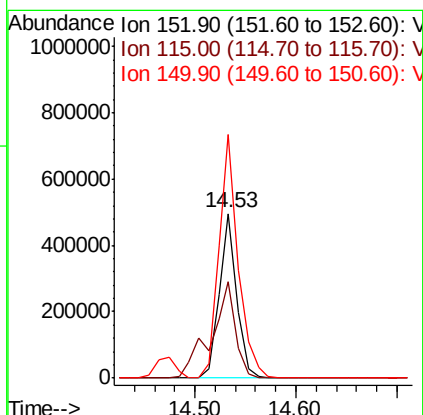
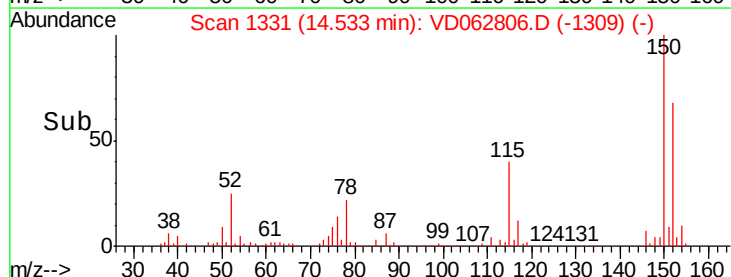
150 147.7 0.0 305.8

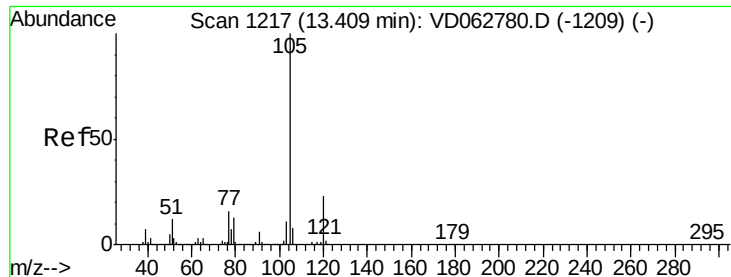


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.823 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

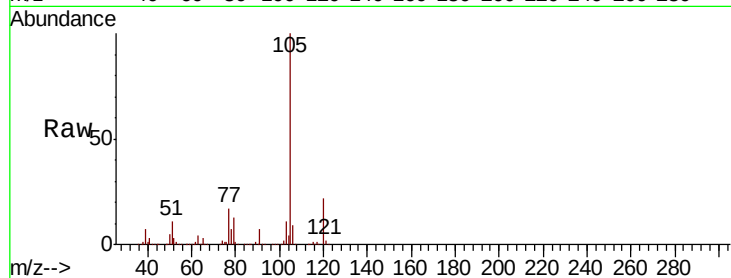
VSTDCCC050

Tot Ion:105 Resp: 1723055

Ion Ratio Lower Upper

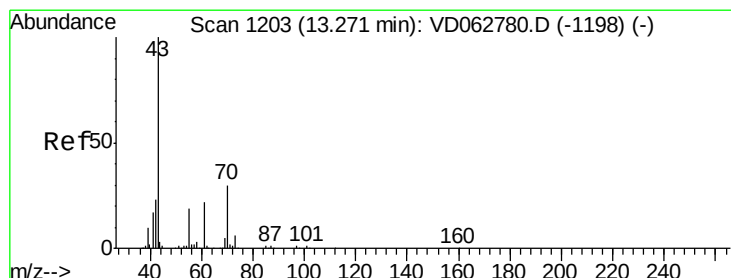
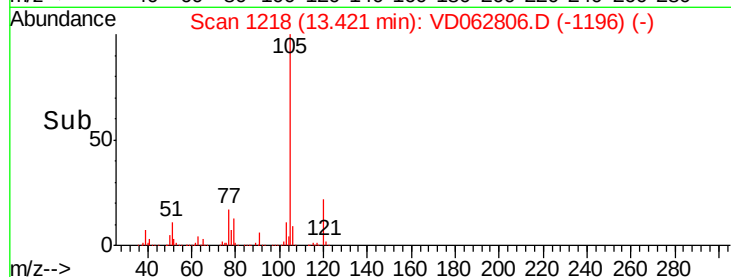
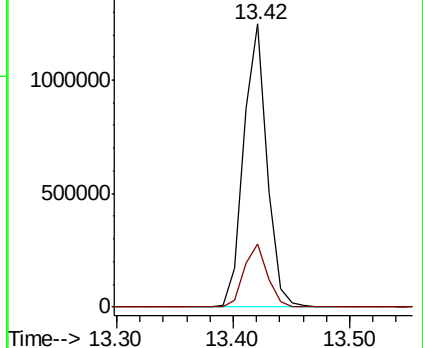
105 100

120 22.5 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.963 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Tgt Ion: 43 Resp: 485093

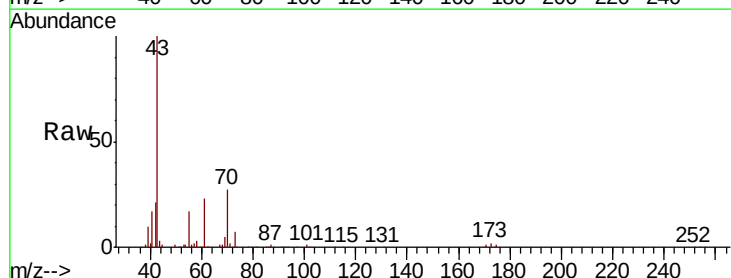
Ion Ratio Lower Upper

43 100

70 26.9 24.4 36.6

55 17.1 15.2 22.8

61 22.7 17.4 26.2

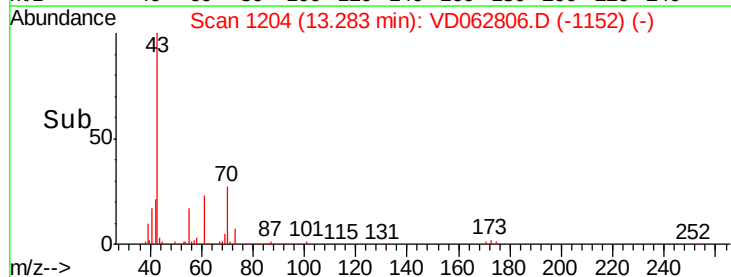
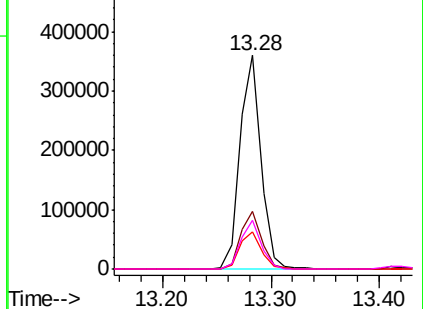


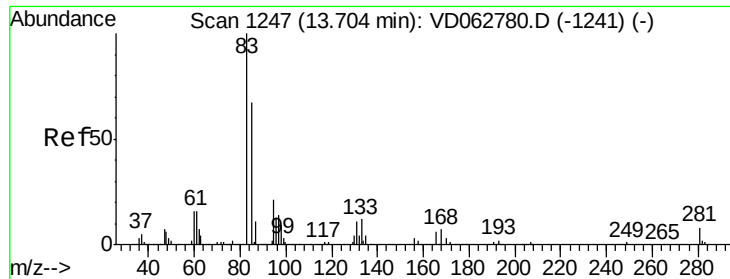
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.318 ug/l

RT: 13.72 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

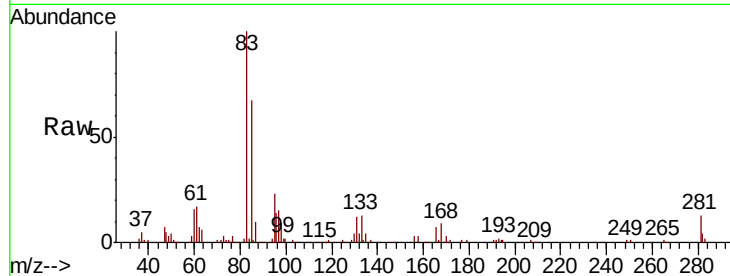
Tot Ion: 83 Resp: 308896

Ion Ratio Lower Upper

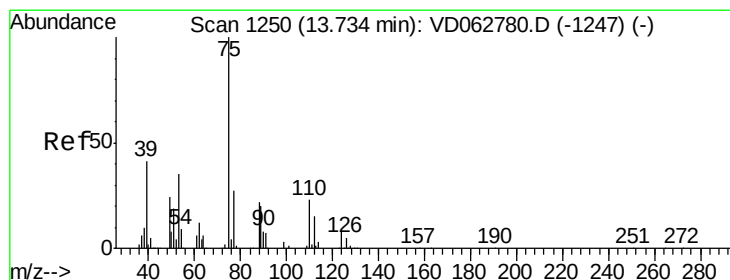
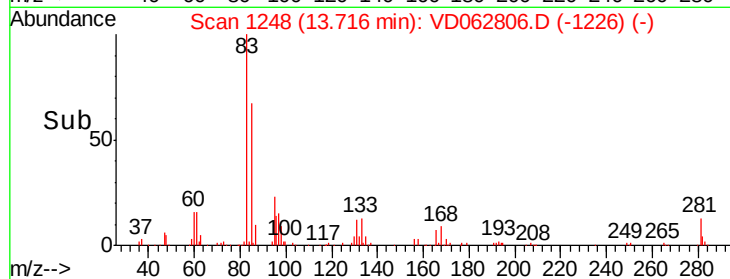
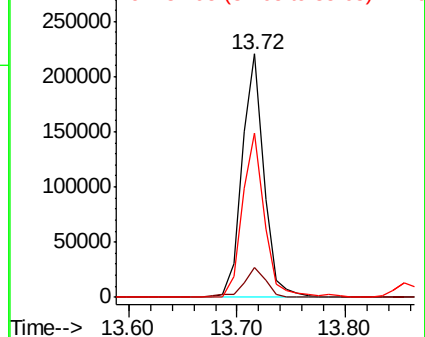
83 100

131 12.3 5.3 16.1

85 67.5 33.7 101.1



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: 48.025 ug/l

RT: 13.75 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062806.D

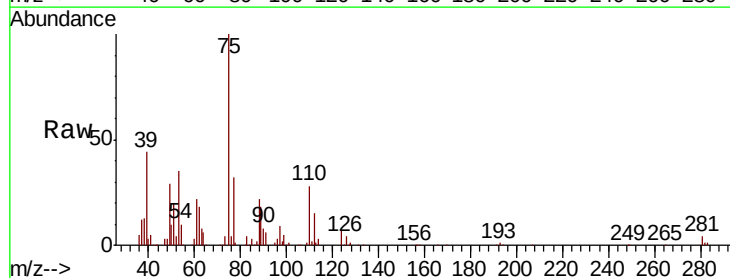
Acq: 21 Jun 2019 10:13

Tgt Ion: 75 Resp: 332393

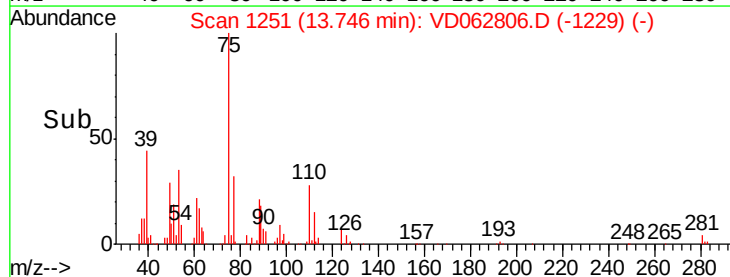
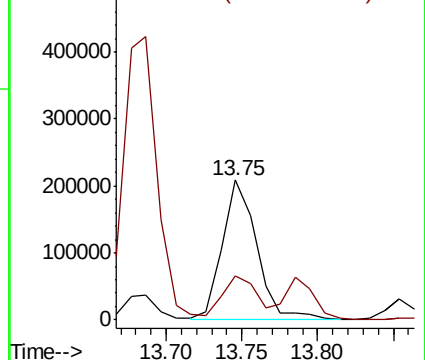
Ion Ratio Lower Upper

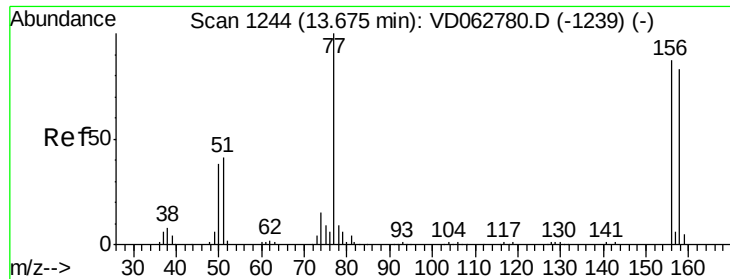
75 100

77 31.6 15.0 45.1



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





#77

Bromobenzene

Concen: 49.217 ug/l

RT: 13.69 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

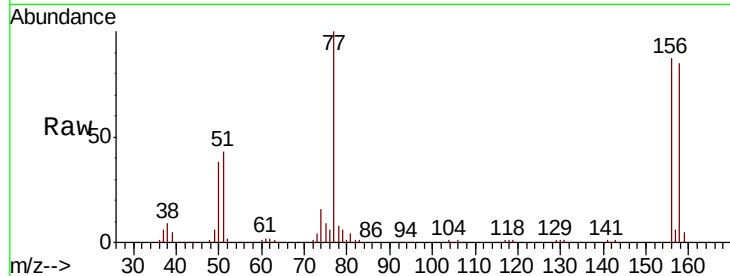
Tot Ion:156 Resp: 508880

Ion Ratio Lower Upper

156 100

77 115.2 57.7 173.1

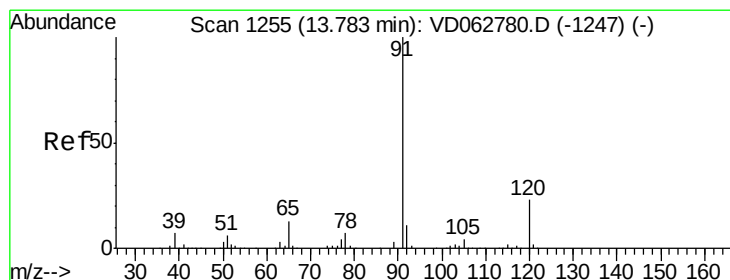
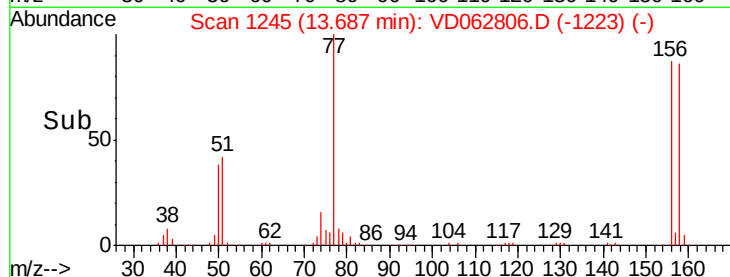
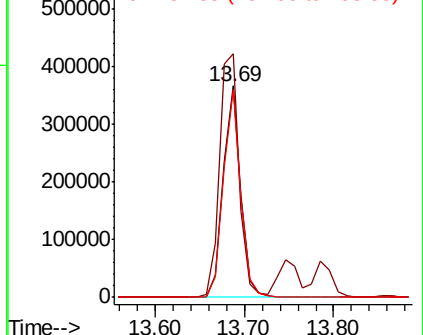
158 98.2 47.7 143.1



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: 46.214 ug/l

RT: 13.79 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062806.D

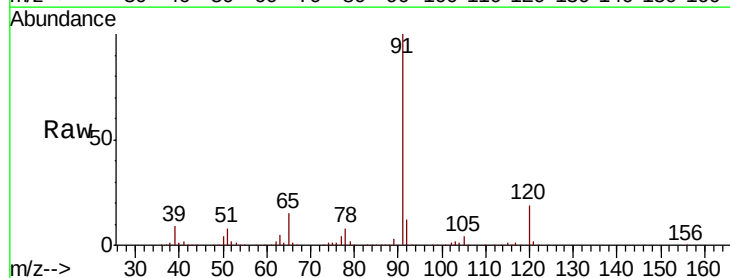
Acq: 21 Jun 2019 10:13

Tgt Ion: 91 Resp: 2067694

Ion Ratio Lower Upper

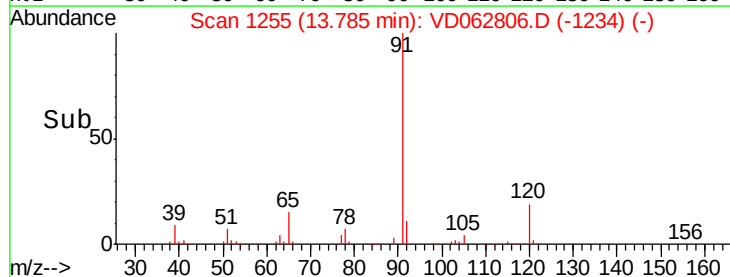
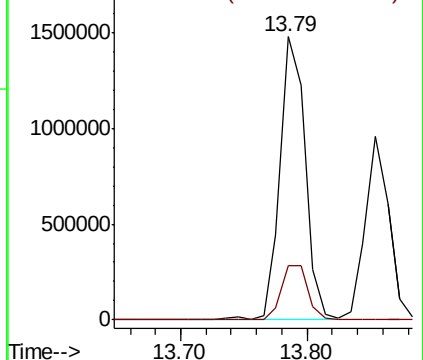
91 100

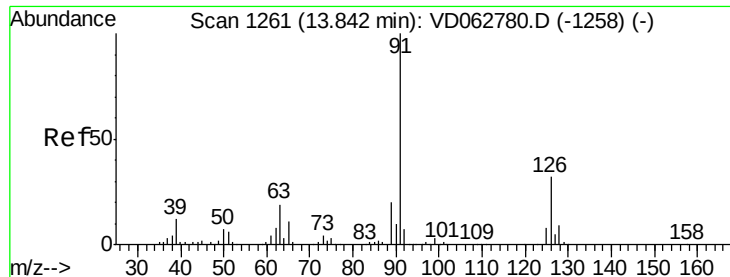
120 19.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

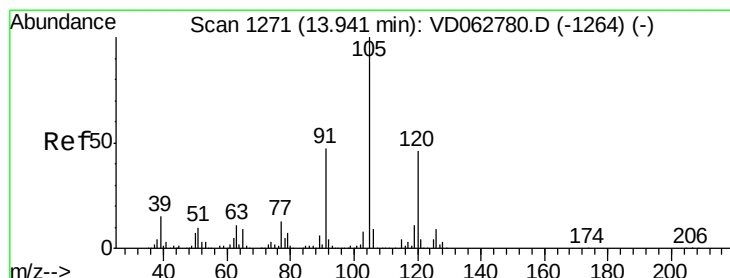
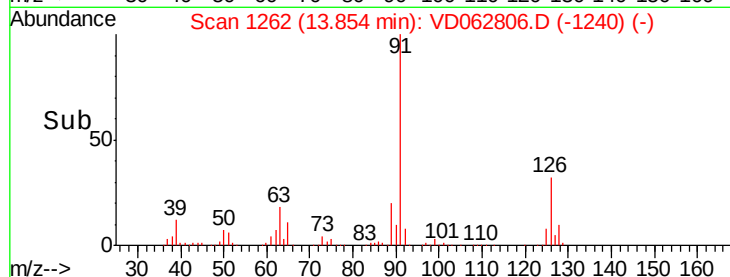
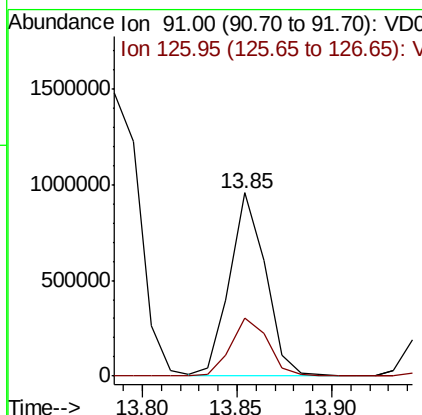
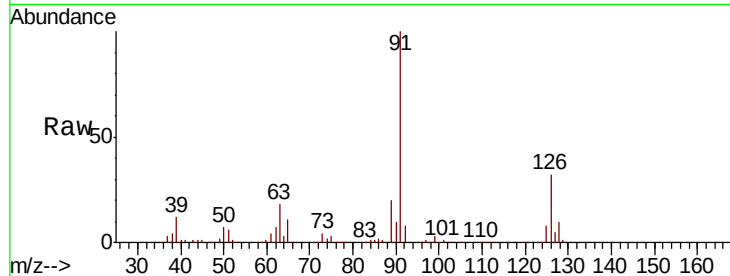




#79
 2-Chlorotoluene
 Concen: 48.728 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

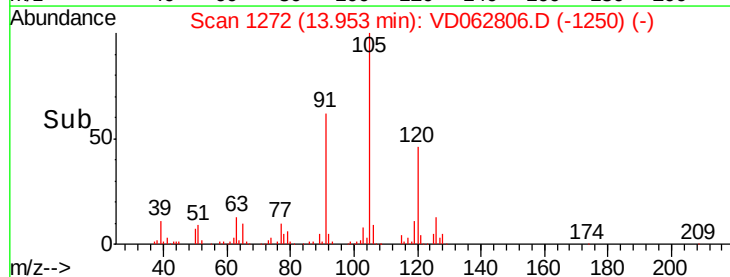
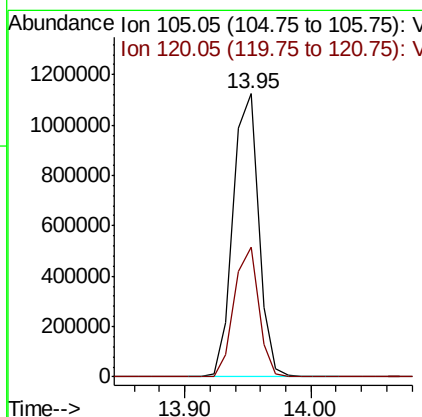
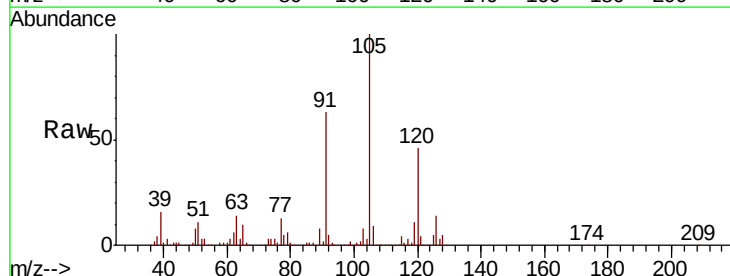
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

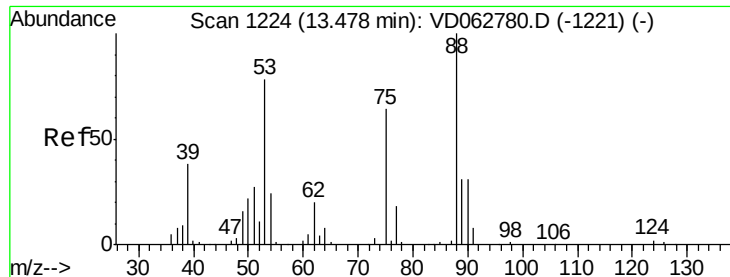
Tot Ion: 91 Resp: 1245925
 Ion Ratio Lower Upper
 91 100
 126 31.9 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 48.550 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion: 105 Resp: 1567644
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.599 ug/l

RT: 13.49 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

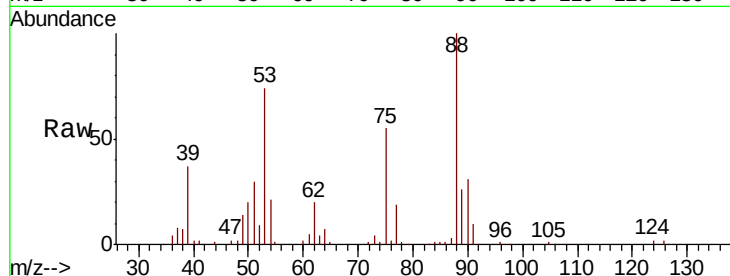
Tot Ion: 75 Resp: 89969

Ion Ratio Lower Upper

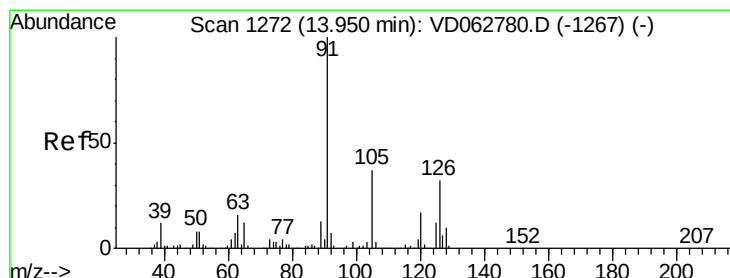
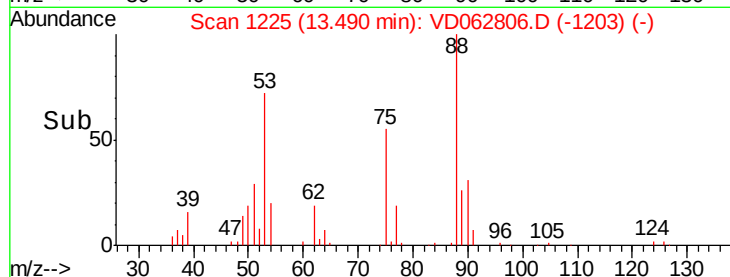
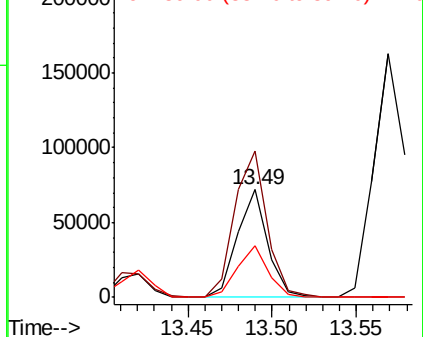
75 100

53 136.0 97.8 146.8

89 48.2 39.4 59.2



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



#82

4-Chlorotoluene

Concen: 47.711 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062806.D

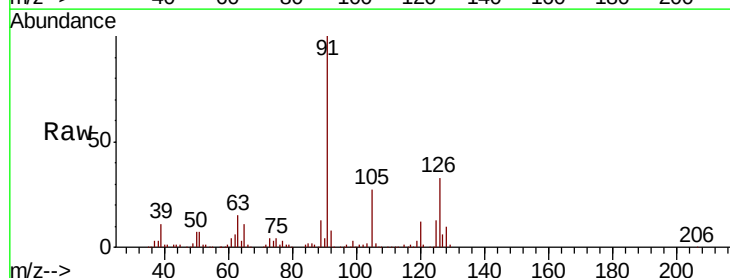
Acq: 21 Jun 2019 10:13

Tgt Ion: 91 Resp: 1468688

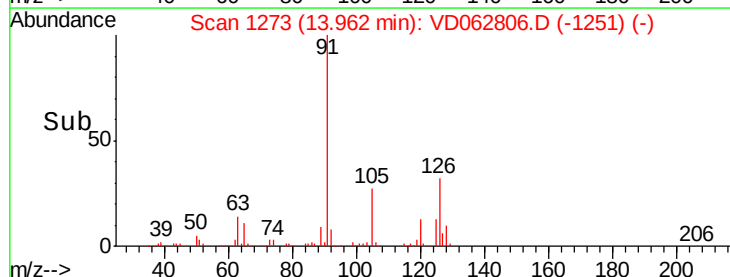
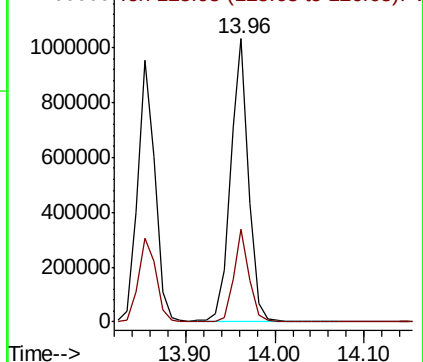
Ion Ratio Lower Upper

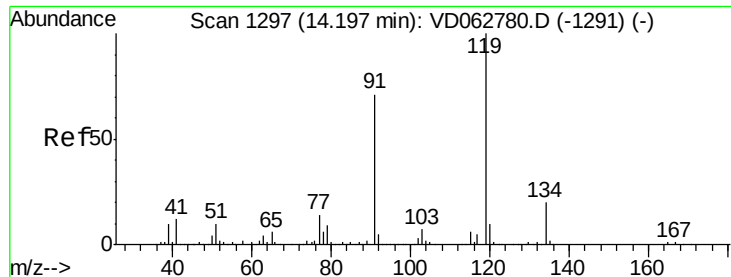
91 100

126 32.6 16.0 47.9



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

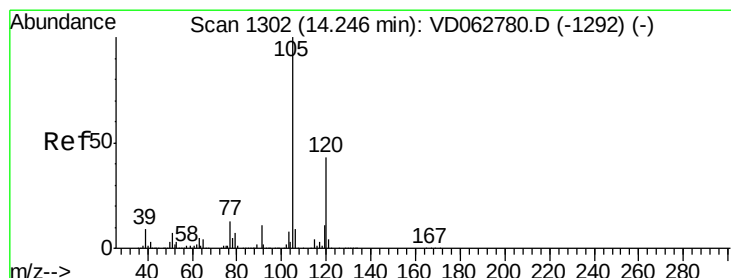
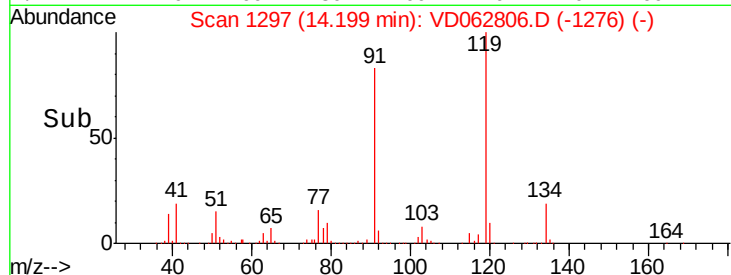
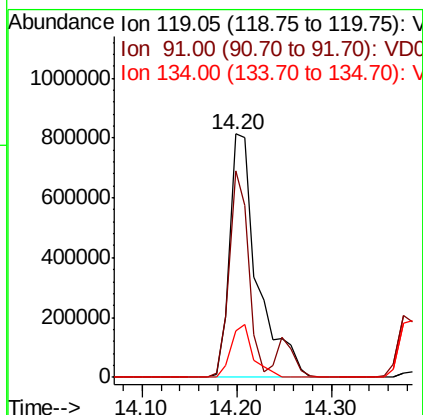
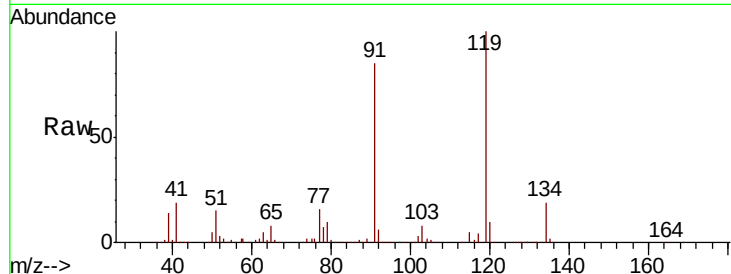




#83
 tert-Butylbenzene
 Concen: 46.233 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

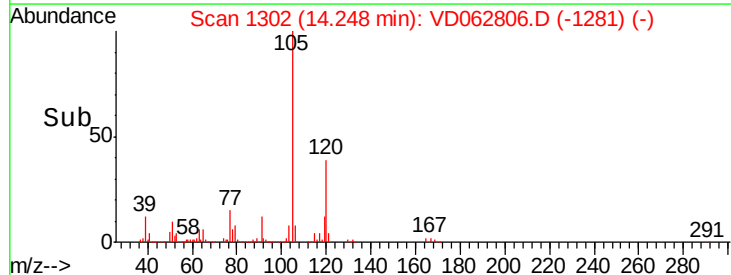
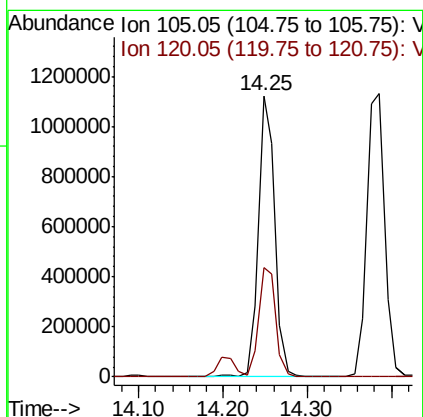
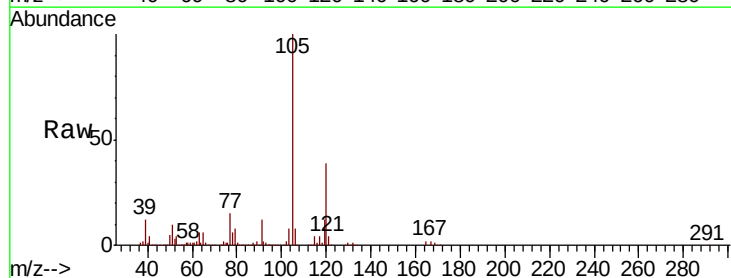
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

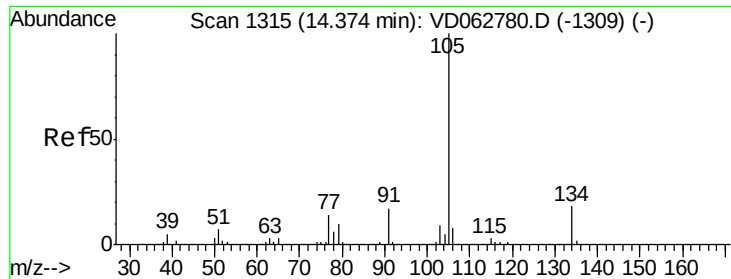
Tot Ion:119 Resp: 1663984
 Ion Ratio Lower Upper
 119 100
 91 84.7 35.5 106.5
 134 19.0 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 46.468 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion:105 Resp: 1537836
 Ion Ratio Lower Upper
 105 100
 120 38.9 21.3 63.9

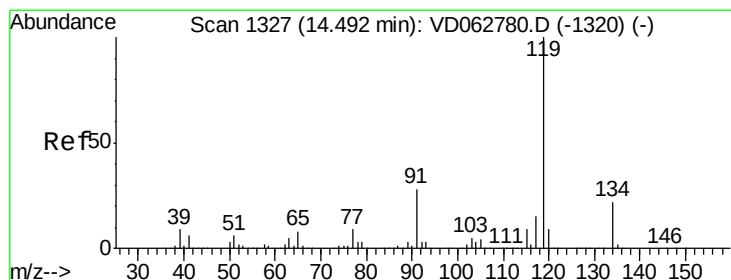
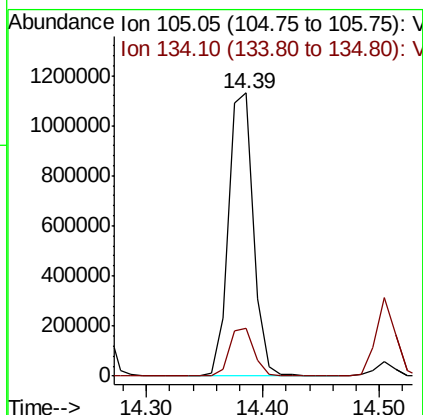
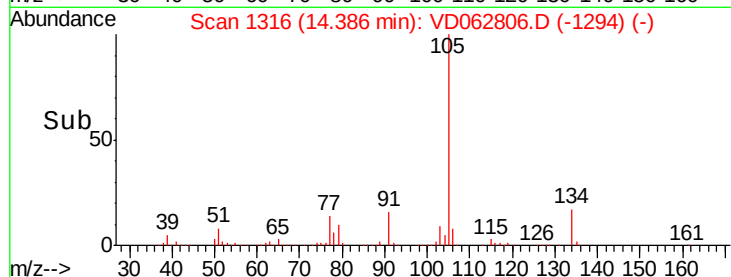
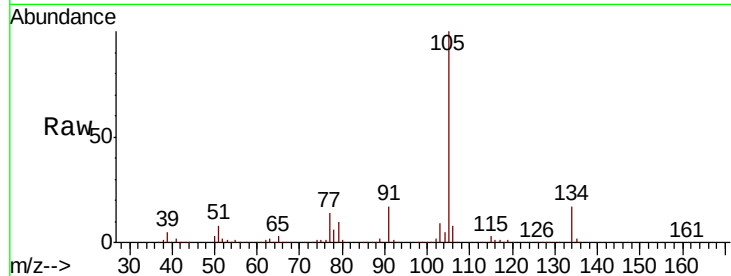




#85
 sec-Butylbenzene
 Concen: 42.553 ug/l
 RT: 14.39 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

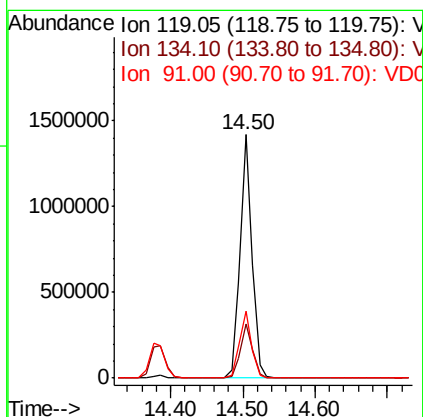
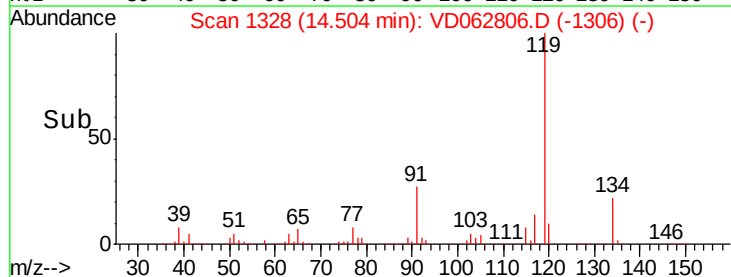
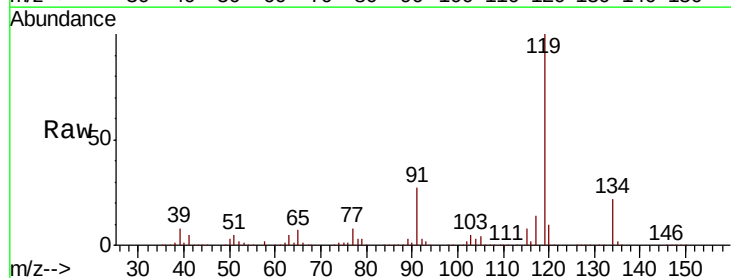
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

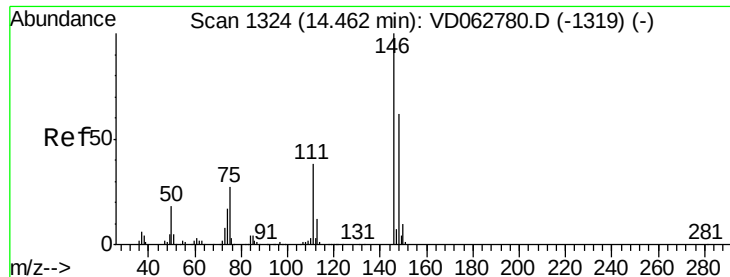
Tot Ion:105 Resp: 1664540
 Ion Ratio Lower Upper
 105 100
 134 16.9 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 46.164 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion:119 Resp: 1652029
 Ion Ratio Lower Upper
 119 100
 134 22.1 11.1 33.1
 91 27.3 14.0 41.9

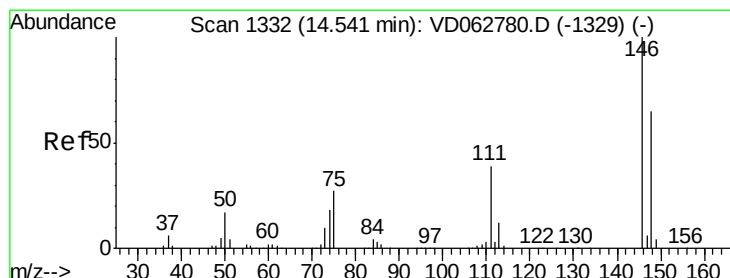
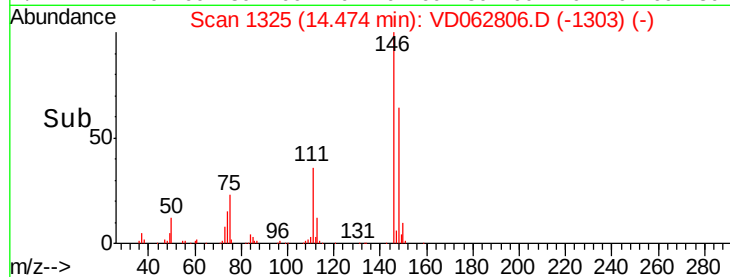
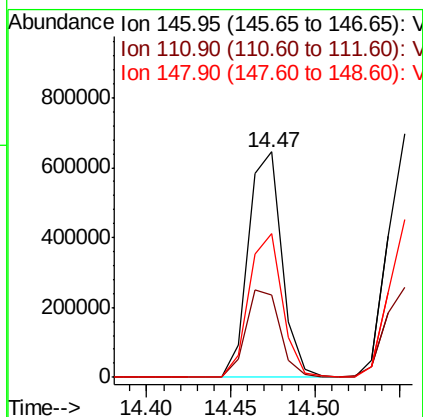
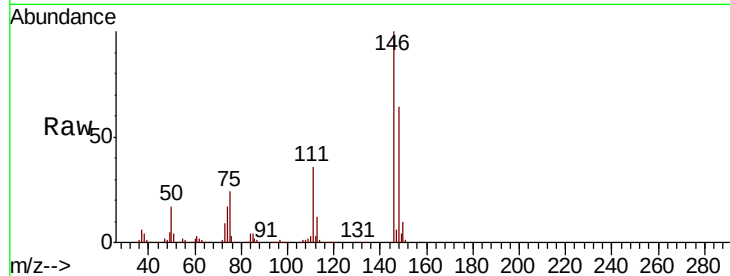




#87
 1,3-Dichlorobenzene
 Concen: 48.270 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

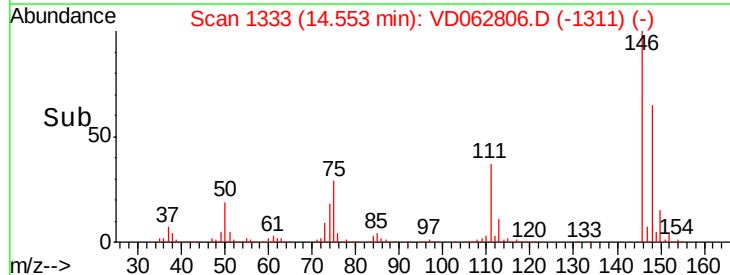
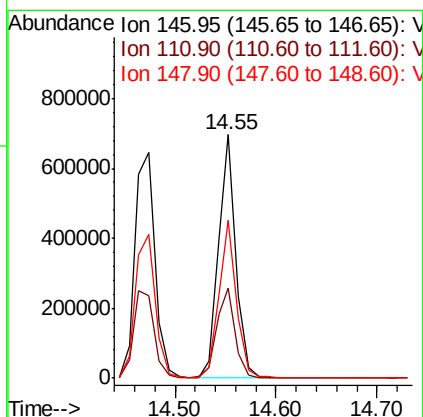
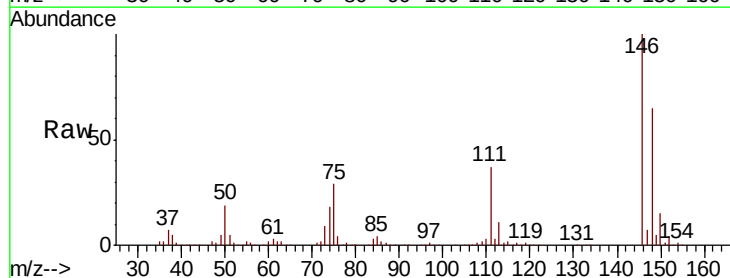
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

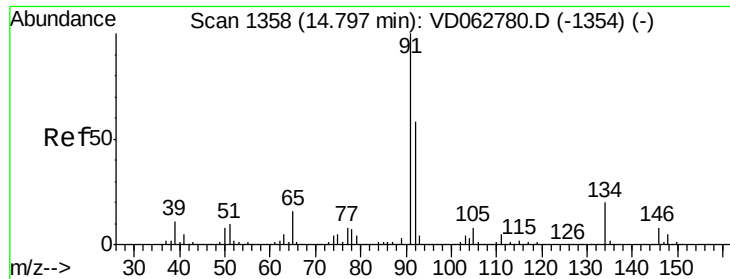
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	19.0	57.0
148	63.8	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 45.157 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.7	59.1
148	64.7	32.8	98.3

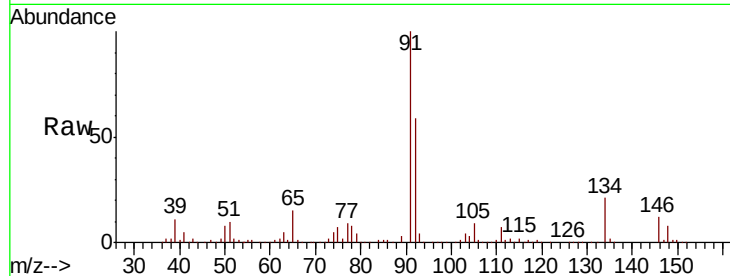




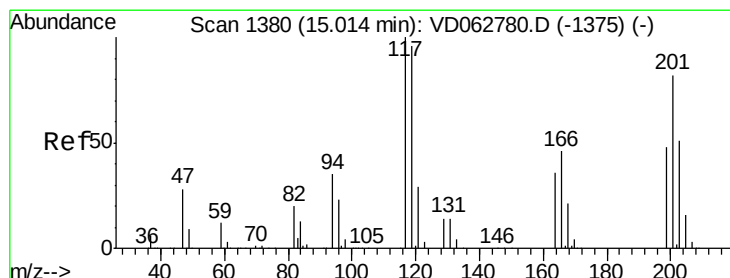
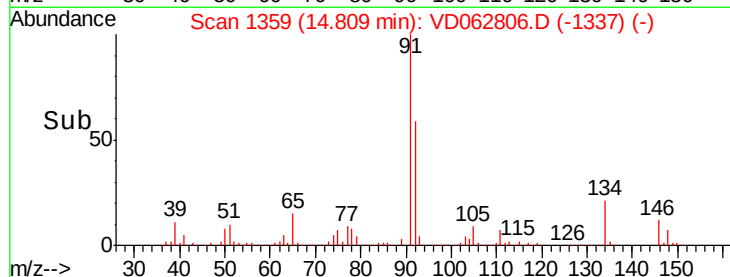
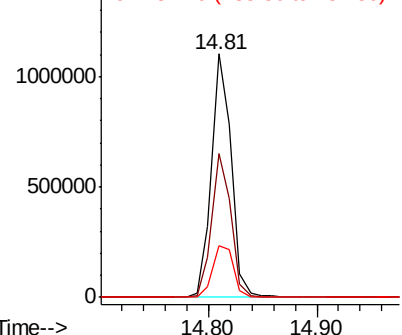
#89
n-Butylbenzene
Concen: 41.651 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1395094
Ion Ratio Lower Upper
91 100
92 59.0 28.9 86.7
134 21.0 10.1 30.3

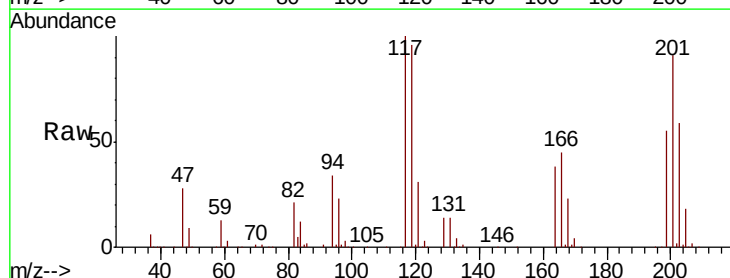


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

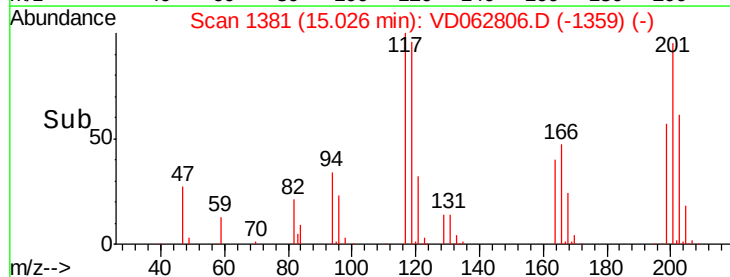
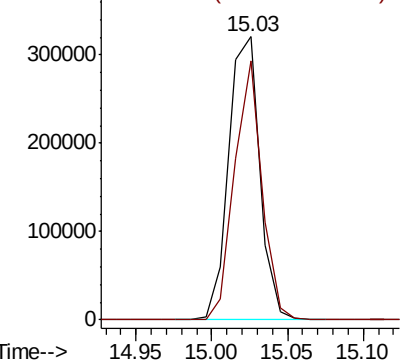


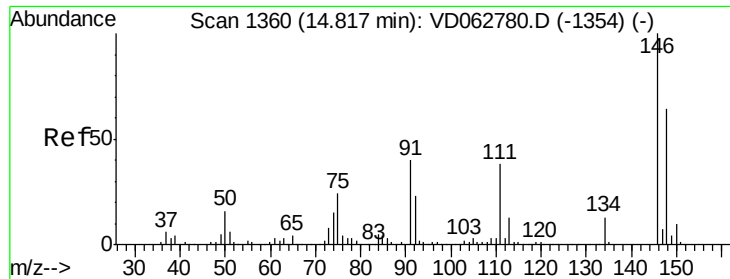
#90
Hexachloroethane
Concen: 47.651 ug/l
RT: 15.03 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Tgt Ion: 117 Resp: 458492
Ion Ratio Lower Upper
117 100
201 91.5 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

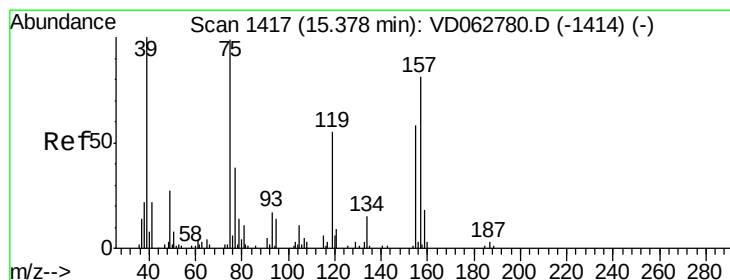
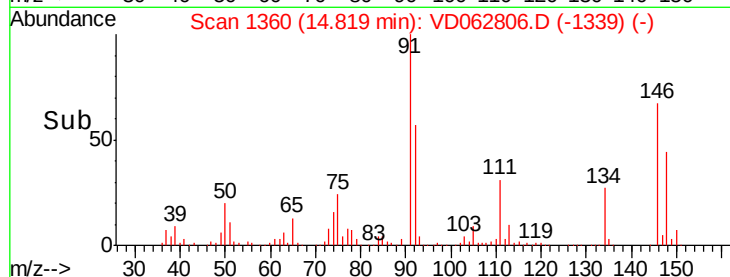
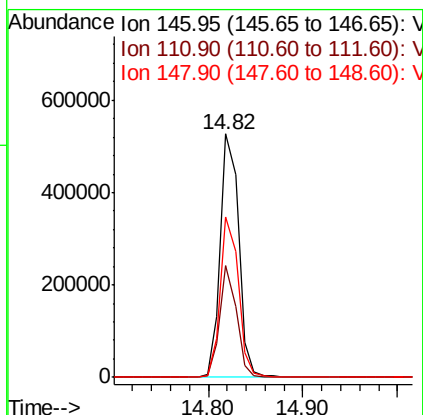
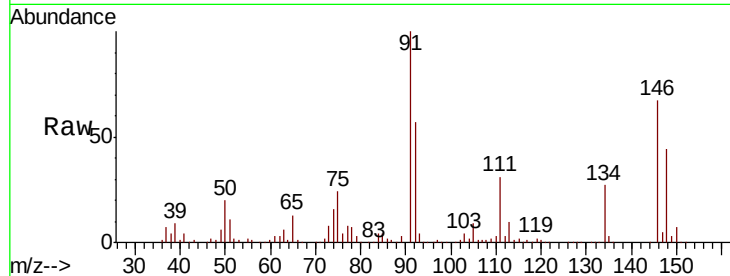




#91
 1,2-Dichlorobenzene
 Concen: 44.864 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

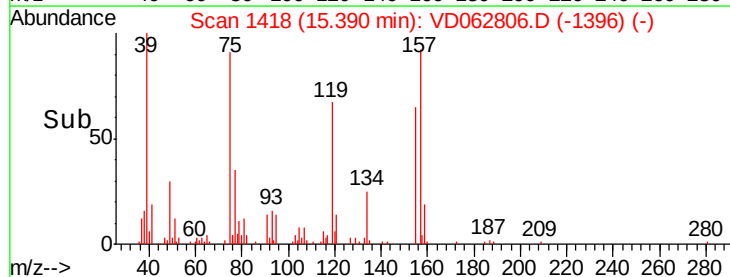
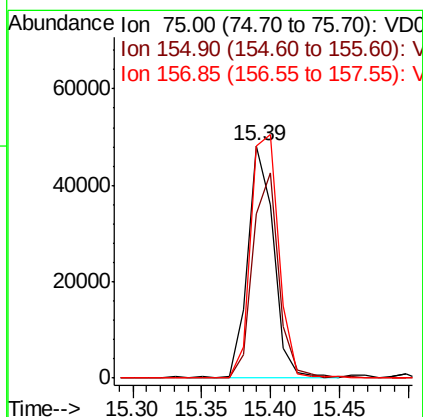
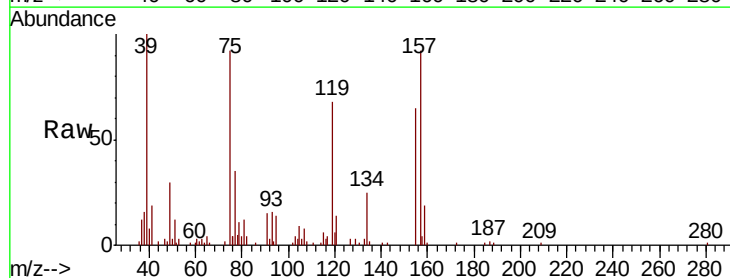
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

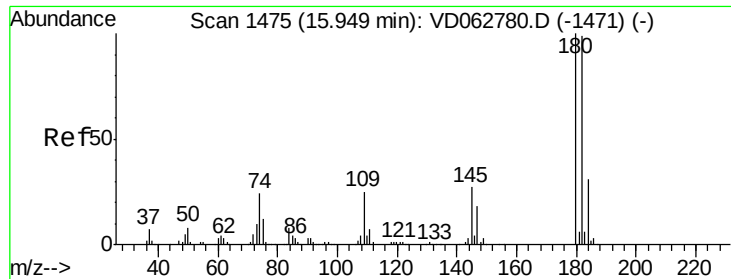
Tot Ion:146 Resp: 711427
 Ion Ratio Lower Upper
 146 100
 111 45.9 19.1 57.1
 148 65.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.975 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion: 75 Resp: 63538
 Ion Ratio Lower Upper
 75 100
 155 70.6 29.3 87.8
 157 100.2 41.3 123.7

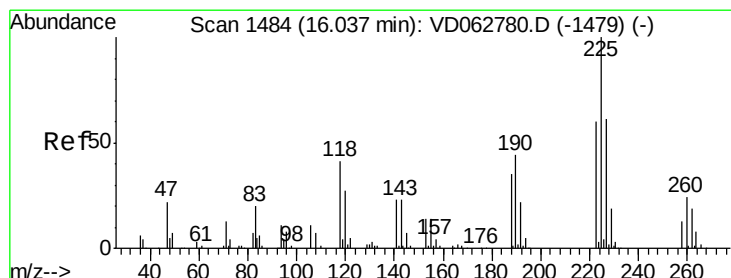
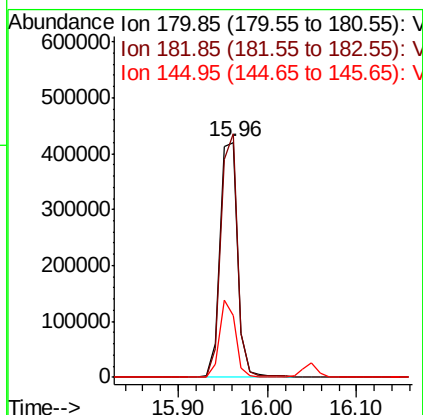
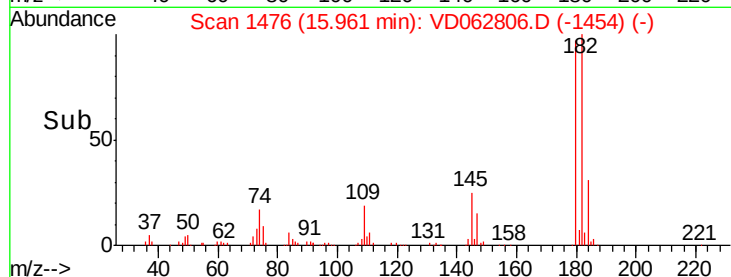
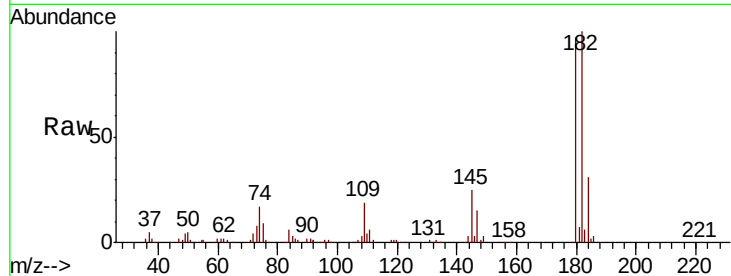




#93
 1,2,4-Trichlorobenzene
 Concen: 47.891 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

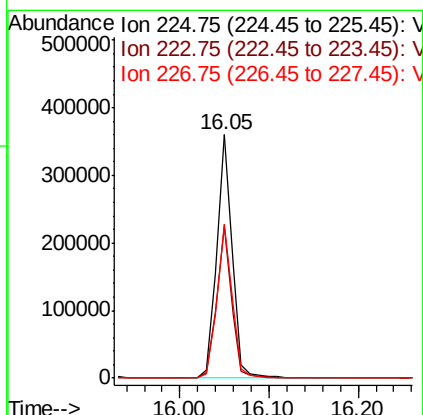
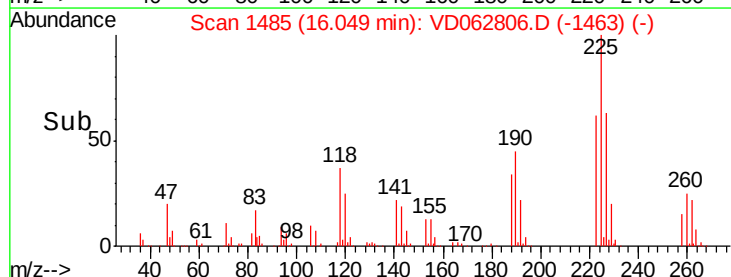
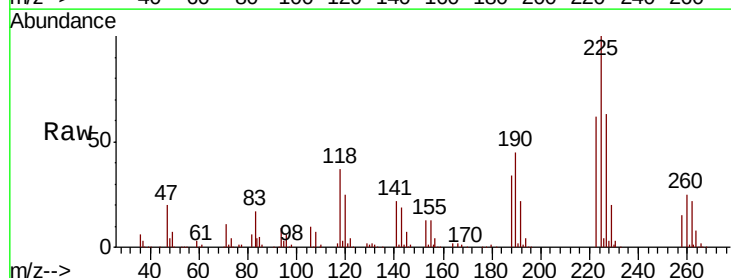
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

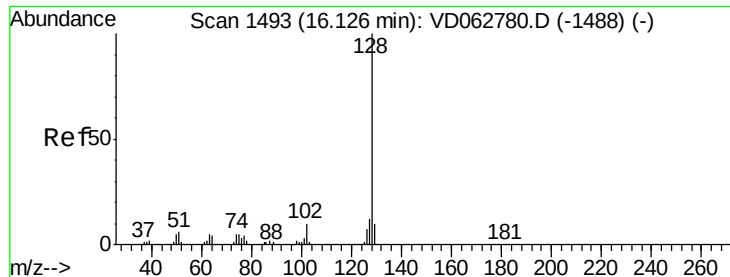
Tot Ion:180 Resp: 593243
 Ion Ratio Lower Upper
 180 100
 182 103.6 49.5 148.5
 145 26.3 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 45.745 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Tgt Ion:225 Resp: 432905
 Ion Ratio Lower Upper
 225 100
 223 62.2 29.8 89.5
 227 63.4 30.6 91.6

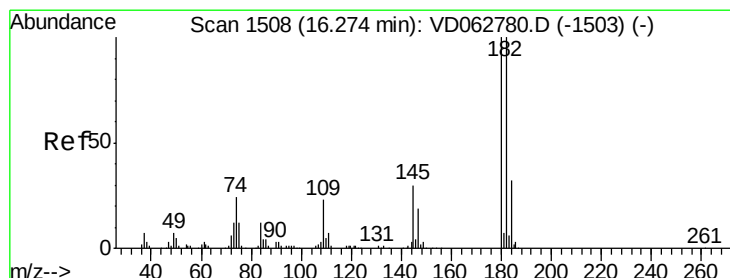
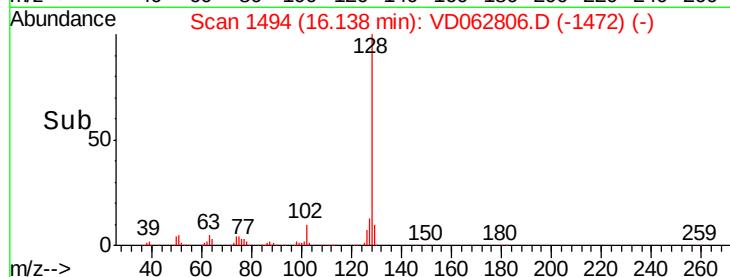
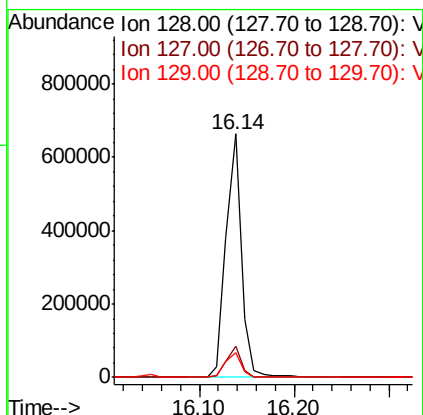
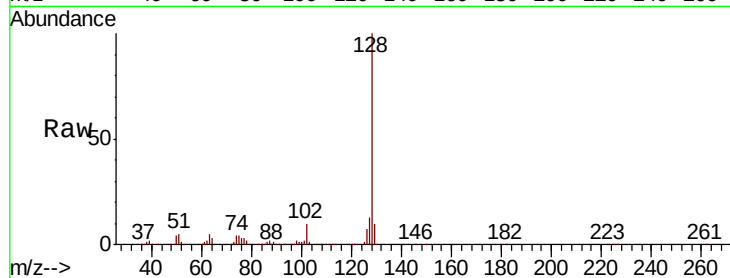




#95
Naphthalene
Concen: 43.635 ug/l
RT: 16.14 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 757595
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 9.9 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 49.021 ug/l
RT: 16.29 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Tgt Ion:180 Resp: 466563
Ion Ratio Lower Upper
180 100
182 97.7 49.9 149.6
145 28.2 15.2 45.5

