

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 04:27:25 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

33) 1,2-Dichloroethane-d4	7.48	65	433814	45.31	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.62%	
35) Dibromofluoromethane	6.95	113	421768	41.65	ug/l	0.02
Spiked Amount	50.000		Recovery	=	83.30%	
50) Toluene-d8	10.44	98	938394	42.58	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.16%	
62) 4-Bromofluorobenzene	13.57	95	413669	41.28	ug/l	0.01
Spiked Amount	50.000		Recovery	=	82.56%	

Target Compounds

						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	881679m	51.563	ug/l	

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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

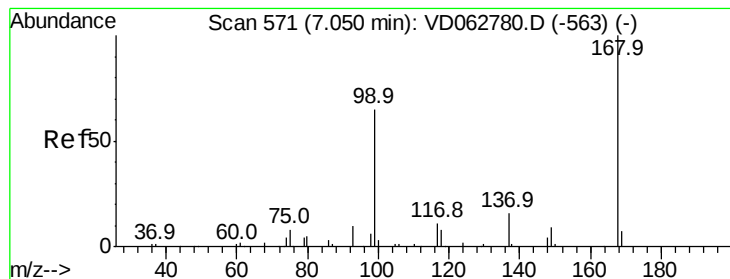
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
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Response via : Initial Calibration

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 :

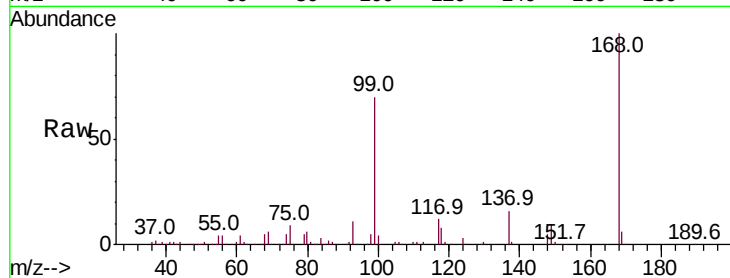
VSTDCCC050

Tot Ion:168 Resp: 880858

Ion Ratio Lower Upper

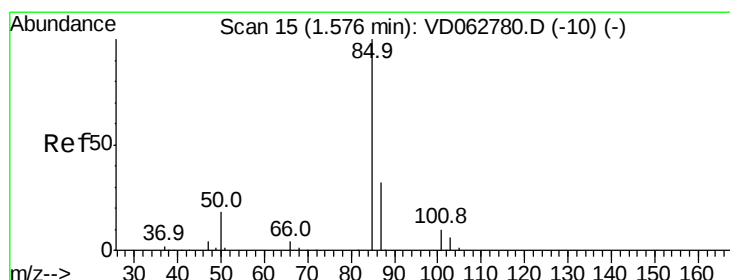
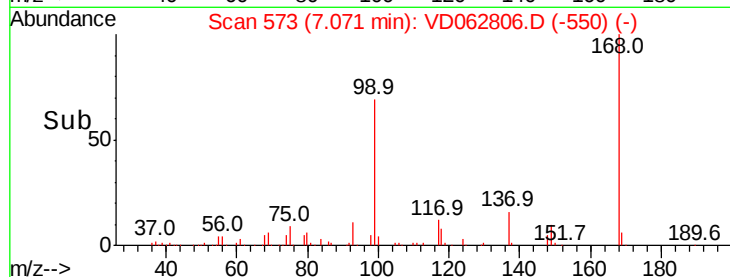
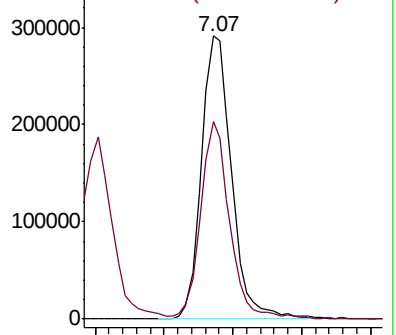
168 100

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



#2

Dichlorodifluoromethane

Concen: 47.014 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062806.D

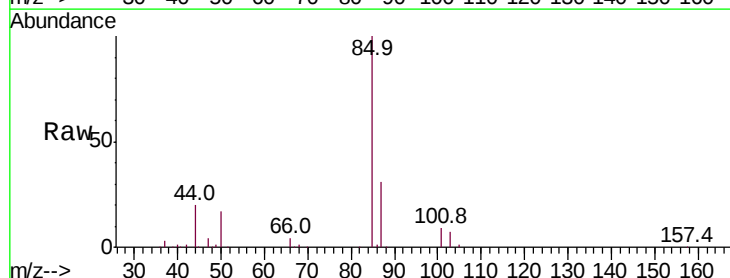
Acq: 21 Jun 2019 10:13

Tgt Ion: 85 Resp: 535895

Ion Ratio Lower Upper

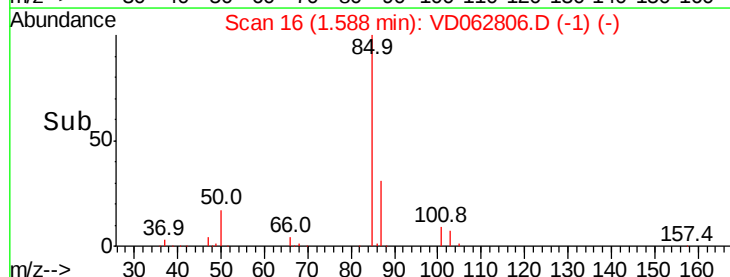
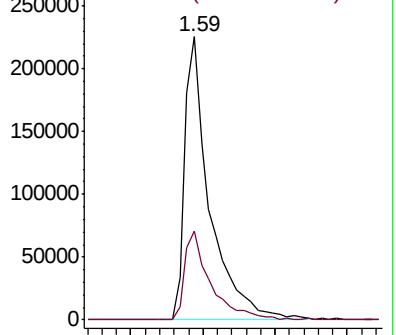
85 100

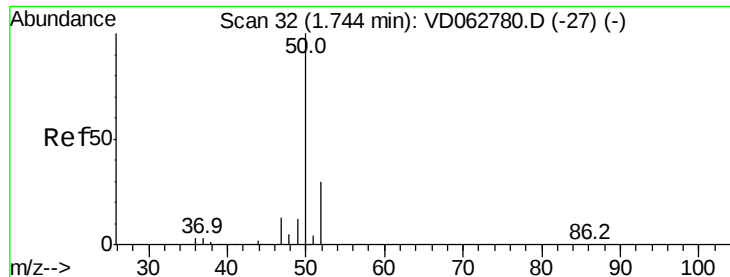
87 31.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#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 :

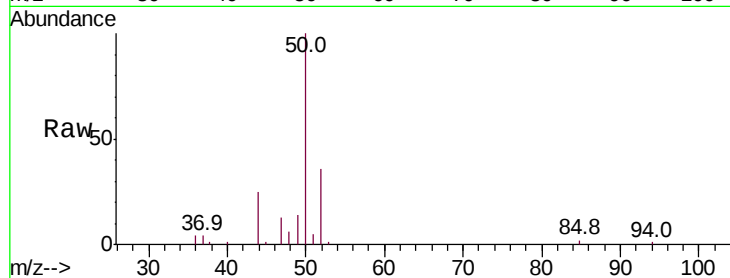
VSTDCCC050

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

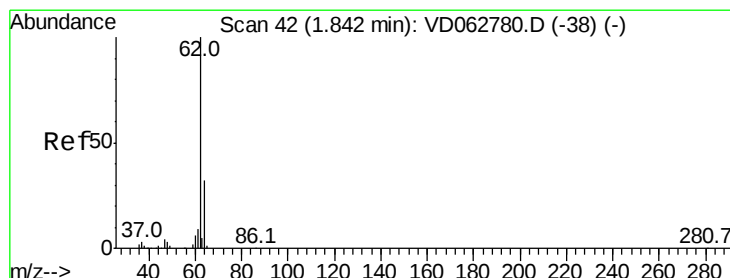
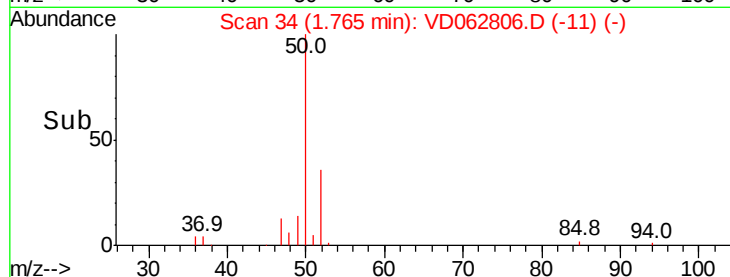
60000

40000

20000

0

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

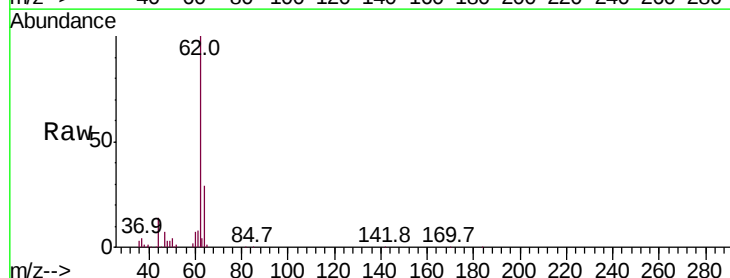
Acq: 21 Jun 2019 10:13

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

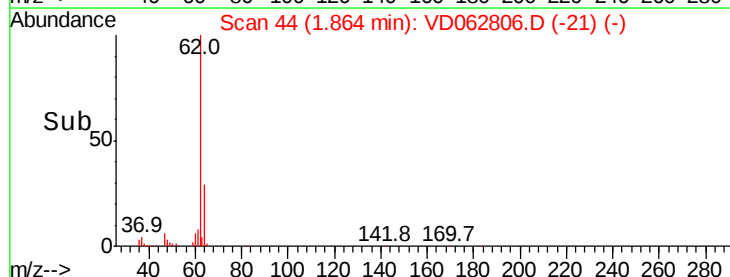
150000

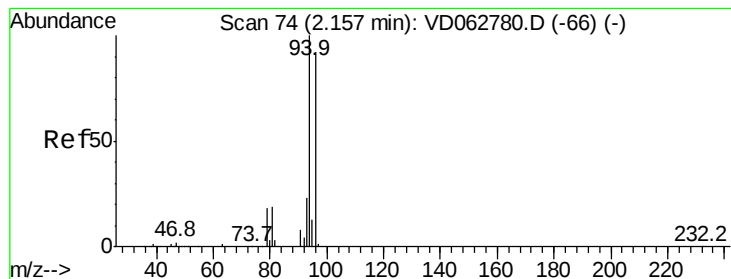
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.032 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.01 min

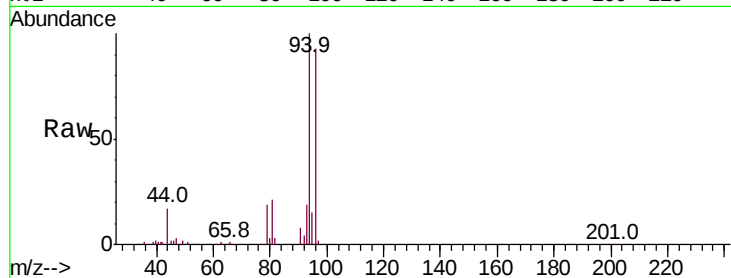
Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 203130

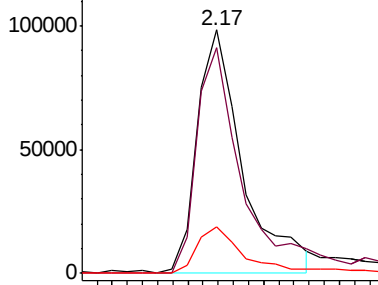
Ion	Ratio	Lower	Upper
94	100		
96	92.9	73.4	110.2
93	19.3	18.2	27.4



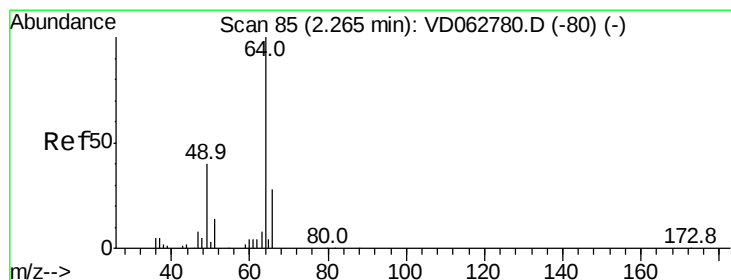
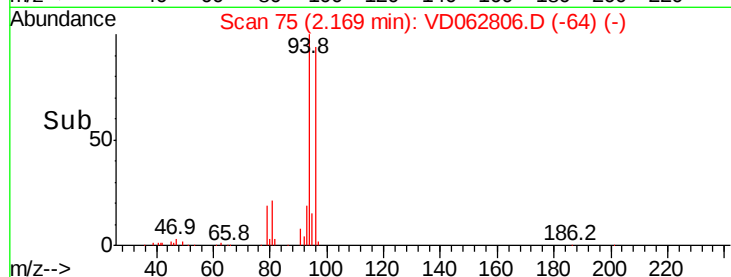
Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



Time-->



#6

Chloroethane

Concen: 47.533 ug/l

RT: 2.28 min Scan# 86

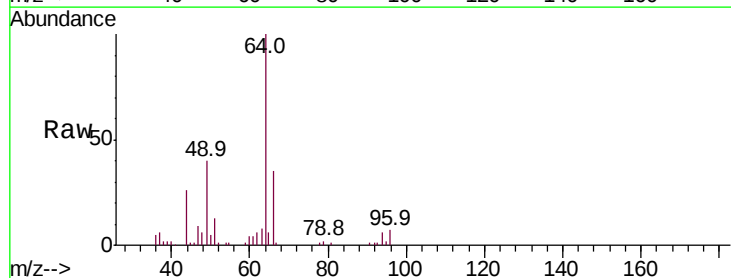
Delta R.T. 0.01 min

Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

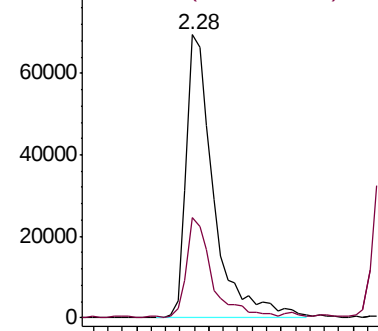
Tgt Ion: 64 Resp: 182908

Ion	Ratio	Lower	Upper
64	100		
66	35.4	23.0	34.4#

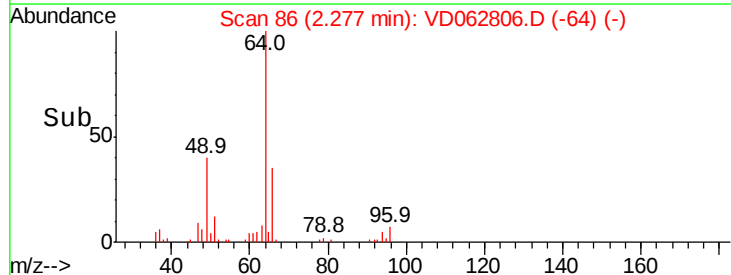


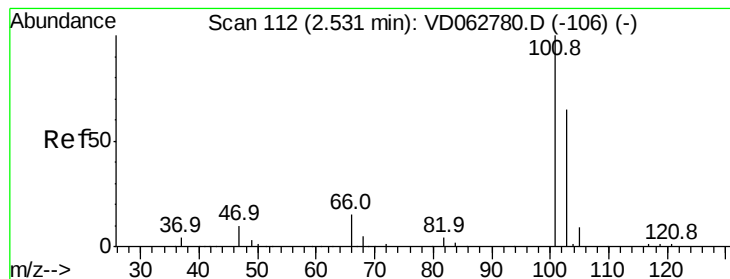
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->



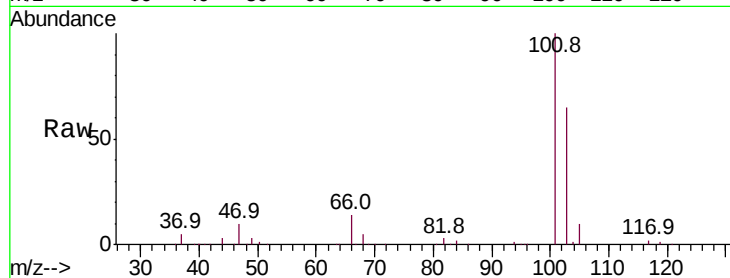


#7

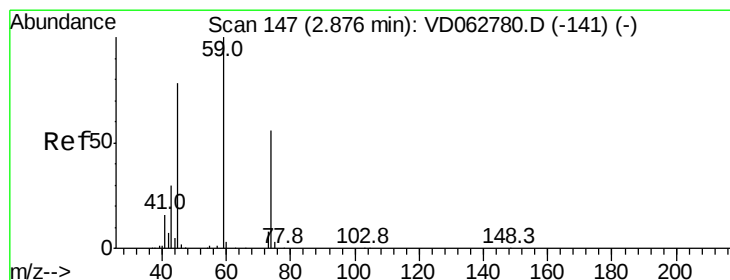
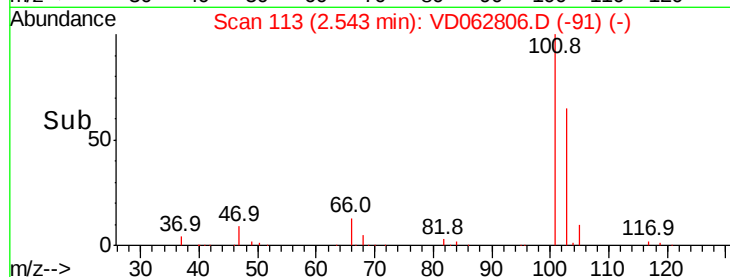
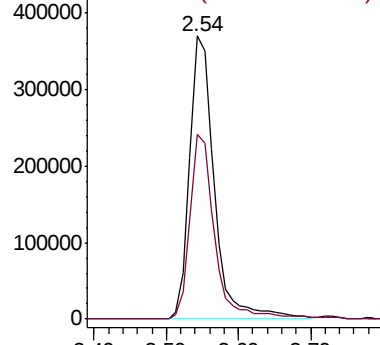
Trichlorofluoromethane
 Concen: 50.921 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

Instrument :
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 VSTDCCC050

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



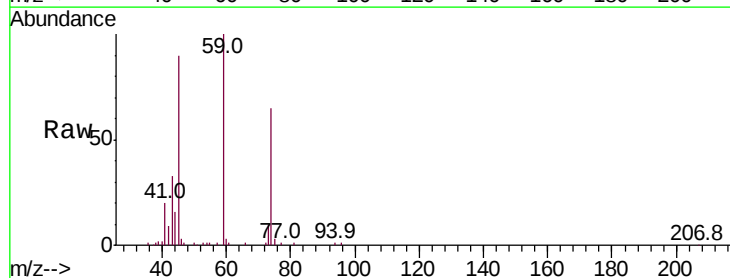
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



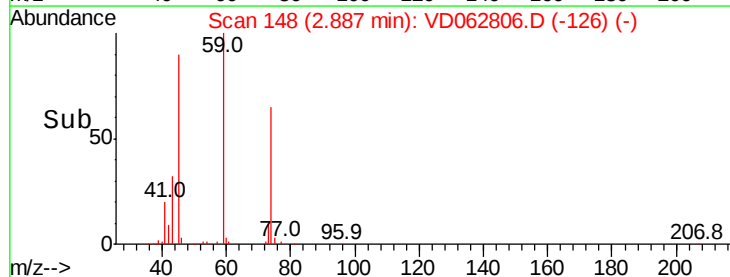
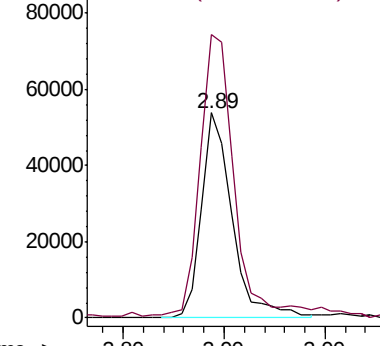
#8

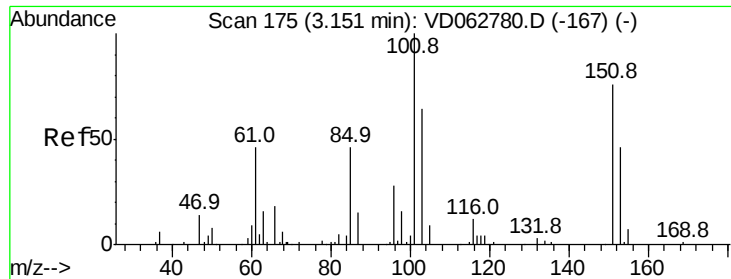
Diethyl Ether
 Concen: 52.051 ug/l
 RT: 2.89 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

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



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 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

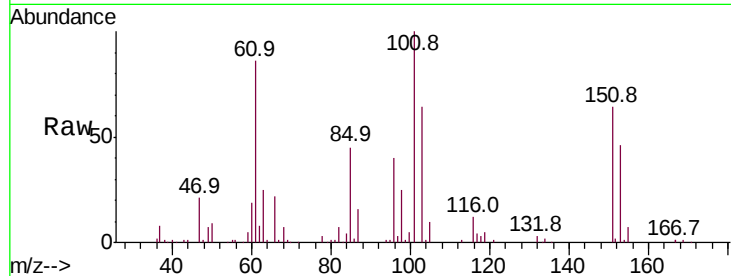
Tot Ion:101 Resp: 444238

Ion Ratio Lower Upper

101 100

85 45.4 37.0 55.4

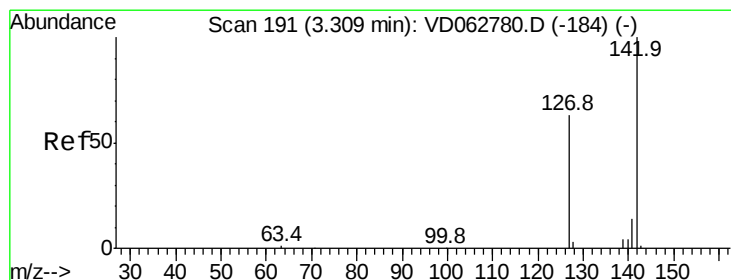
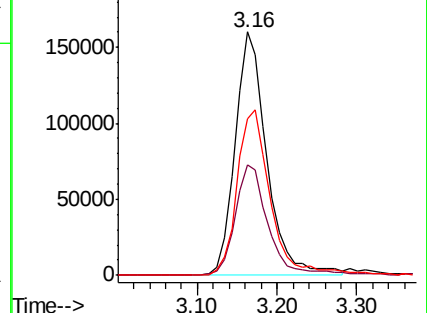
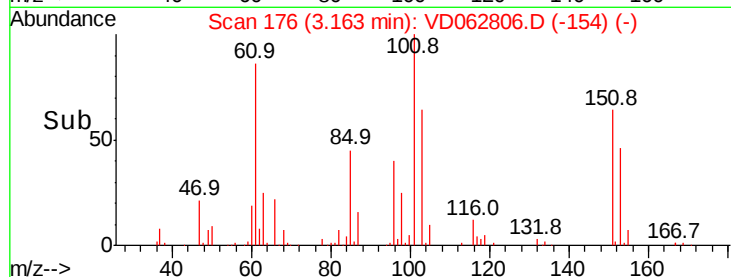
151 64.2 60.5 90.7



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

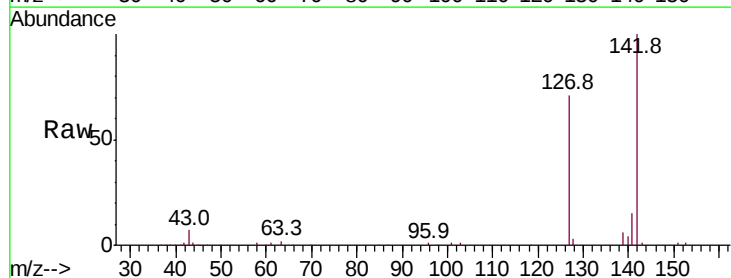
Tgt Ion:142 Resp: 552336

Ion Ratio Lower Upper

142 100

127 70.8 50.1 75.1

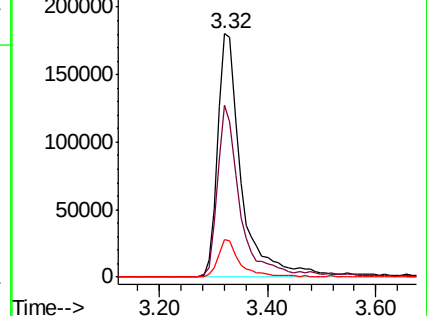
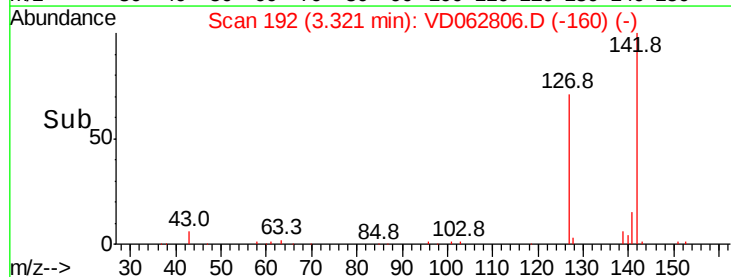
141 15.4 11.0 16.4

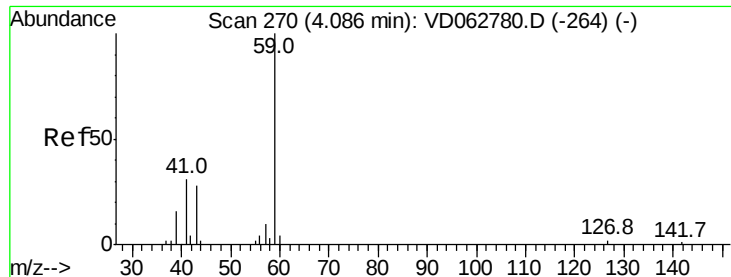


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



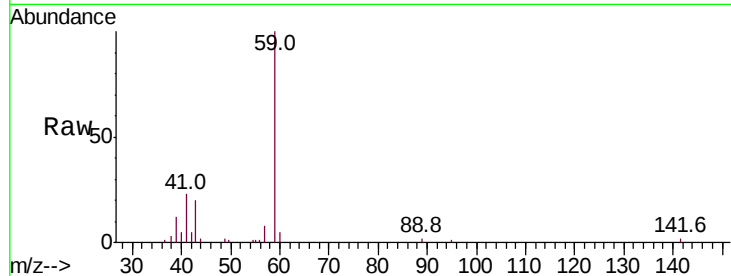


#11

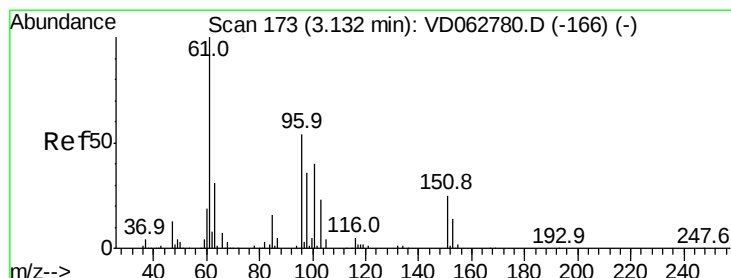
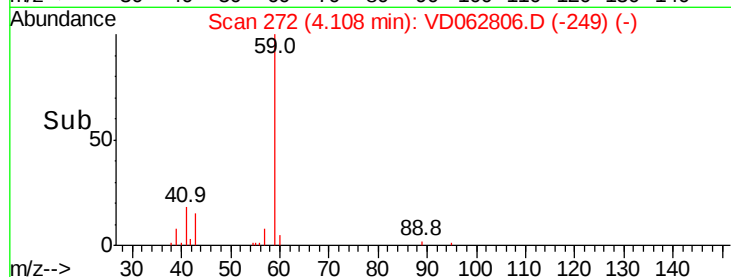
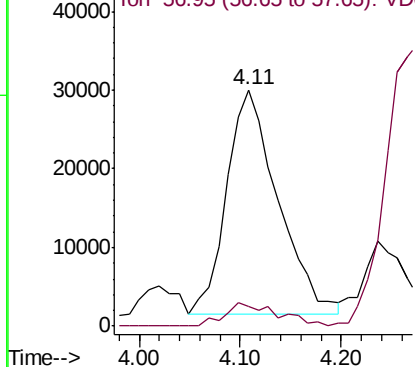
Tert butyl alcohol
Concen: 230.973 ug/l
RT: 4.11 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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



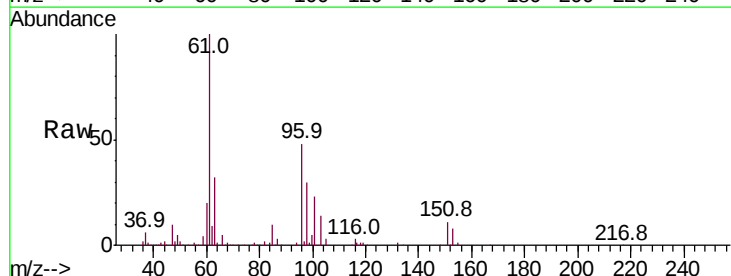
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



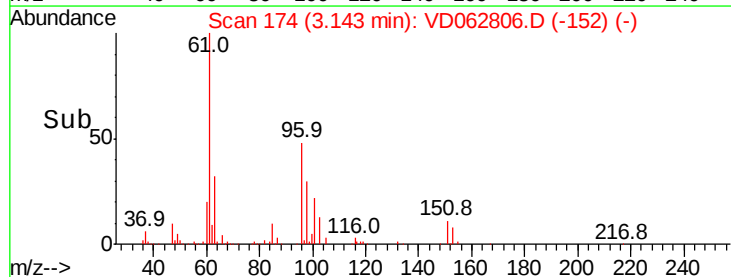
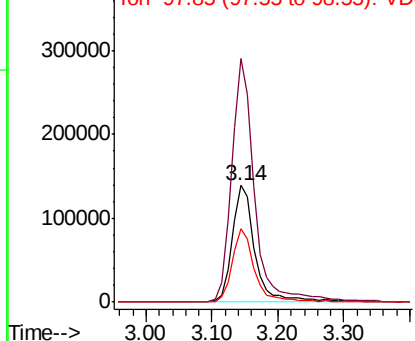
#12

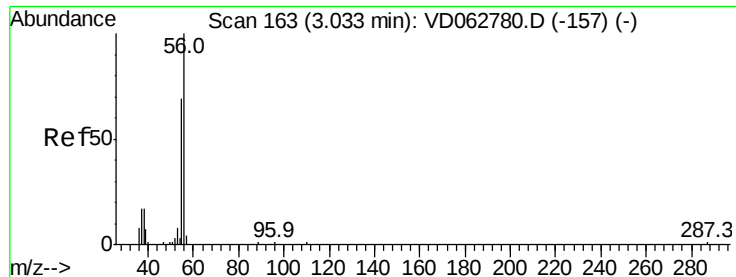
1,1-Dichloroethene
Concen: 48.125 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

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



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





#13

Acrolein

Concen: 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 :

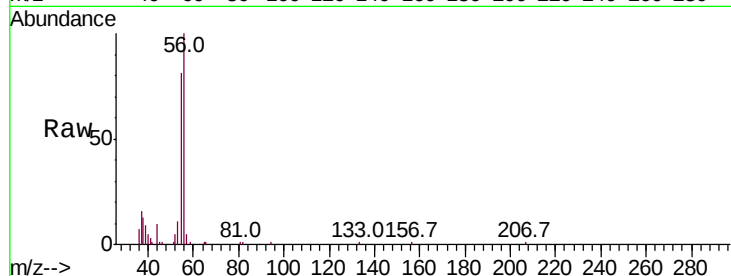
VSTDCCC050

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

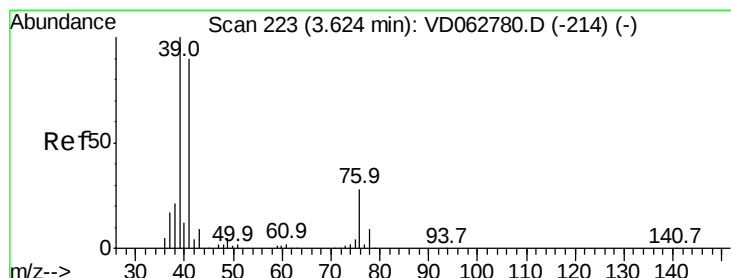
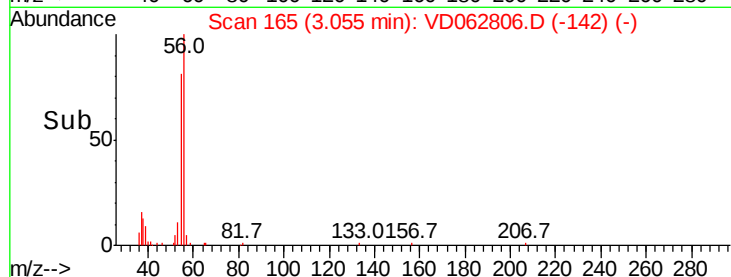
30000

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

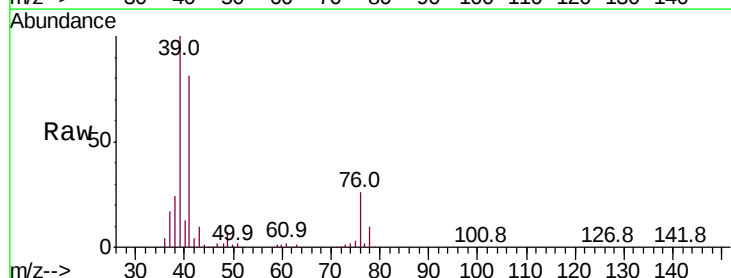
Tgt Ion: 41 Resp: 494969

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

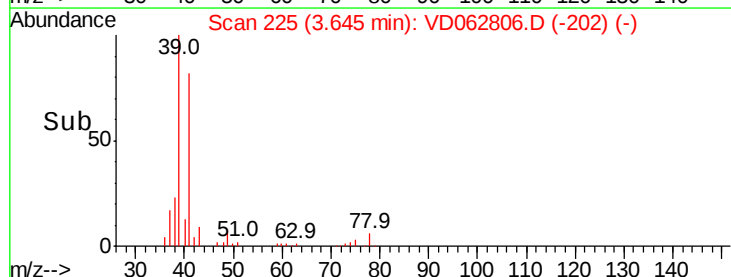
150000

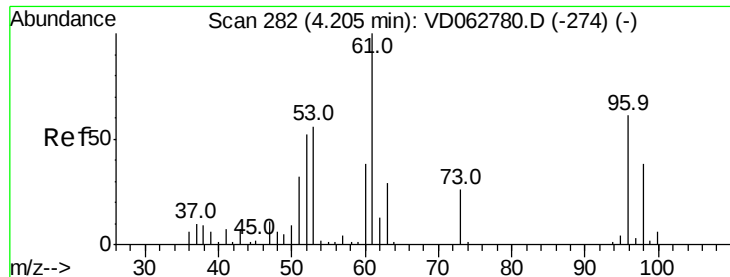
100000

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

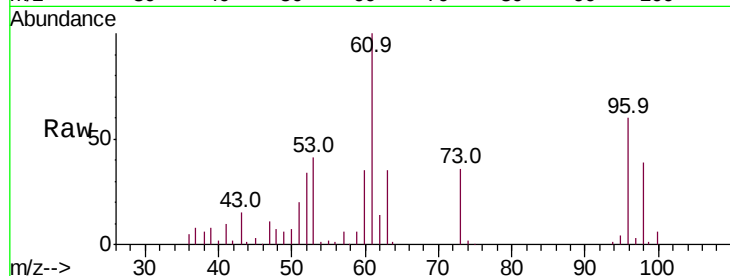
Tot Ion: 53 Resp: 235130

Ion Ratio Lower Upper

53 100

52 83.1 73.3 109.9

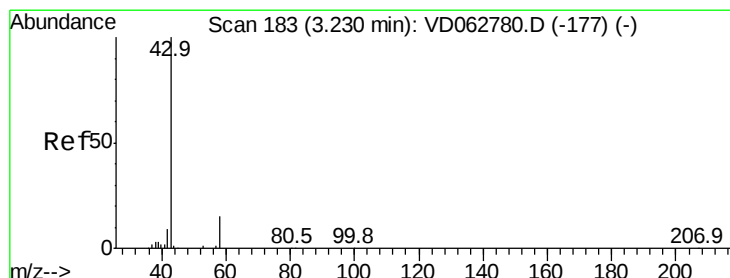
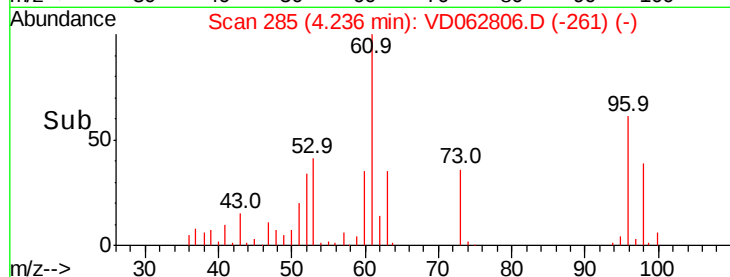
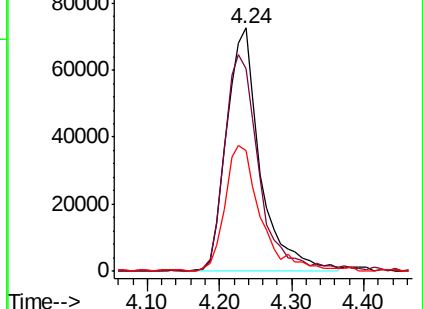
51 49.5 44.8 67.2



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

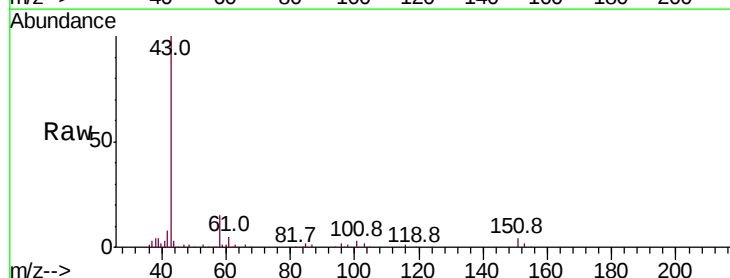
Acq: 21 Jun 2019 10:13

Tgt Ion: 43 Resp: 507897

Ion Ratio Lower Upper

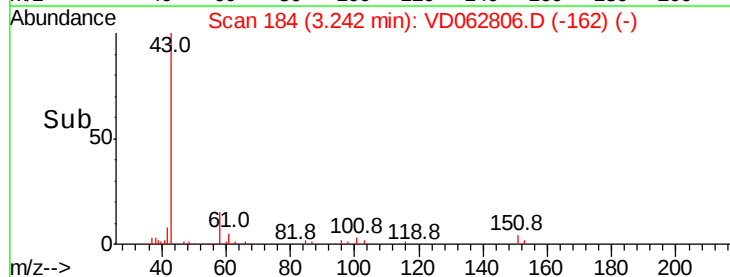
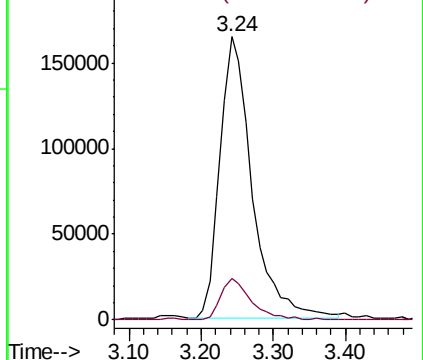
43 100

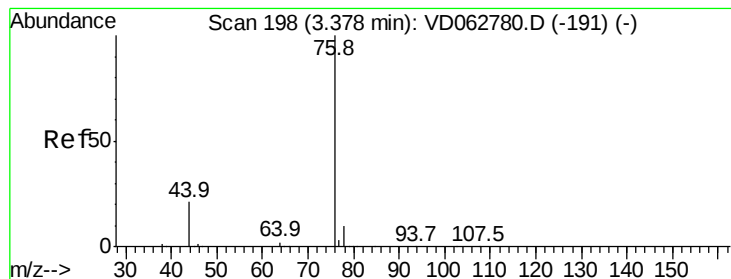
58 14.6 11.9 17.9



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 :

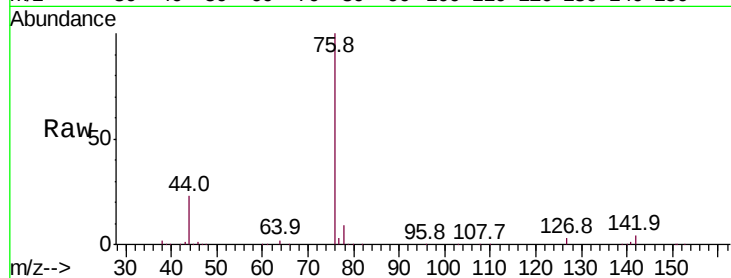
VSTDCCC050

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

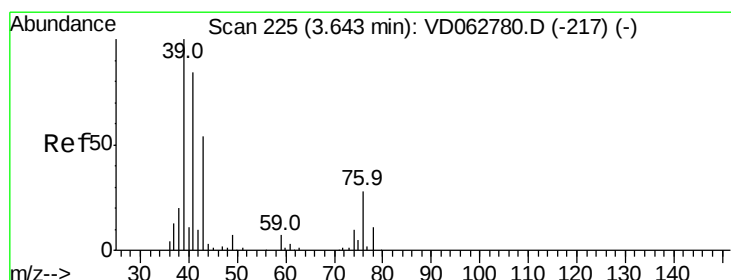
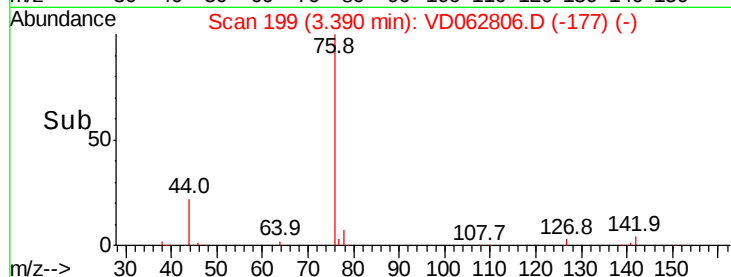
300000

200000

100000

0

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

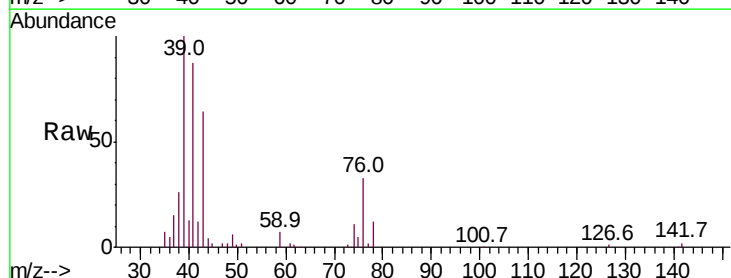
Acq: 21 Jun 2019 10:13

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

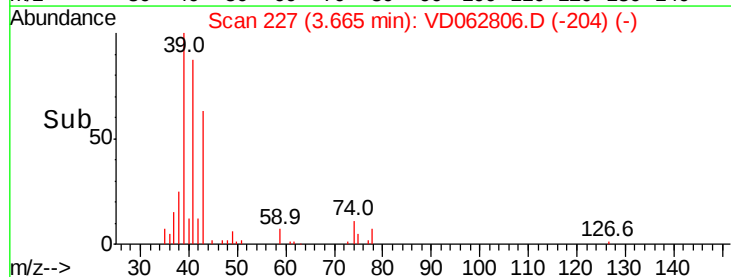
30000

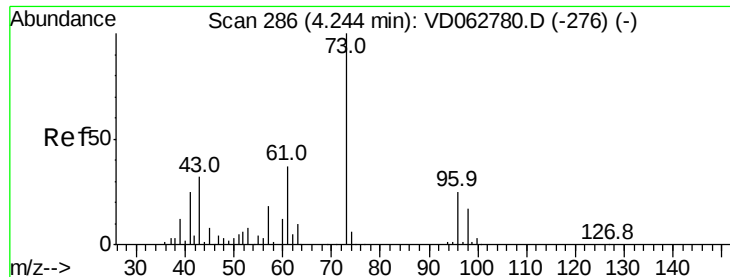
20000

10000

0

Time-->



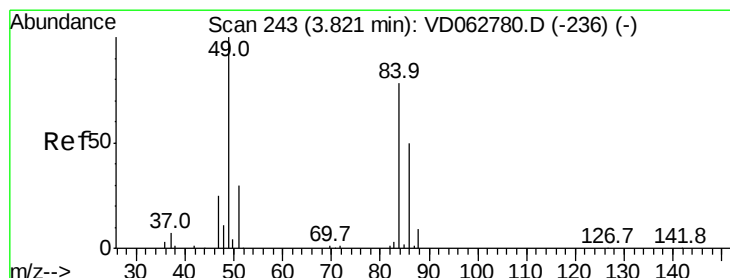
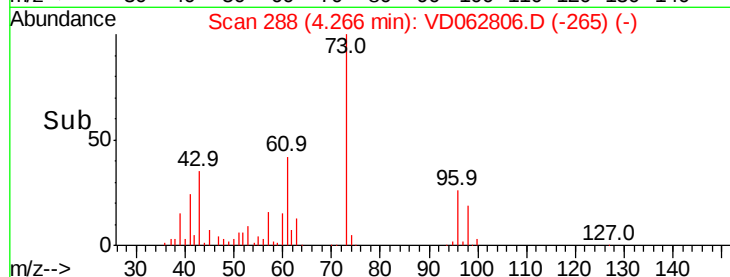
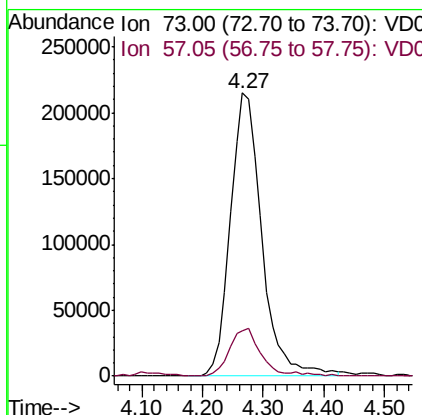
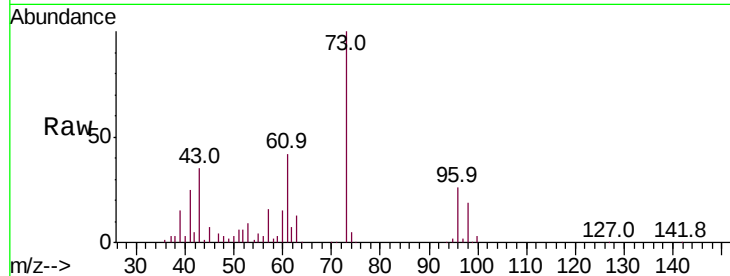


#19

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

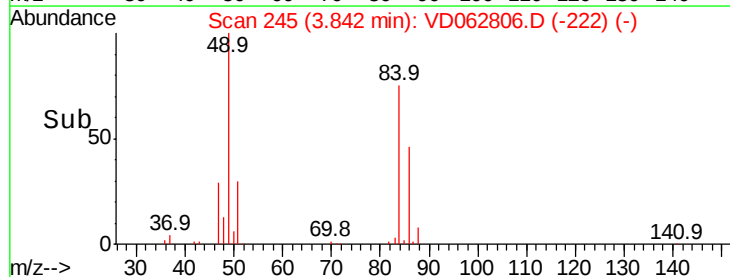
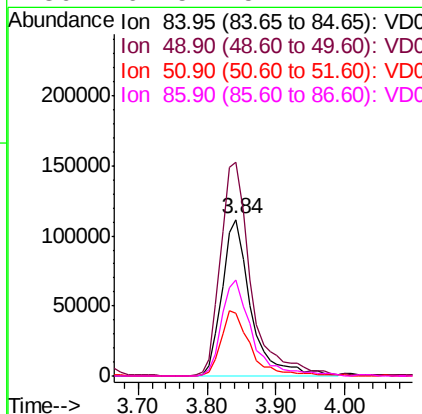
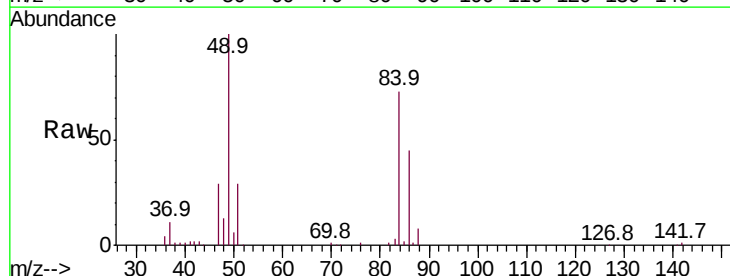
Tot Ion: 73 Resp: 775965
 Ion Ratio Lower Upper
 73 100
 57 15.9 14.3 21.5

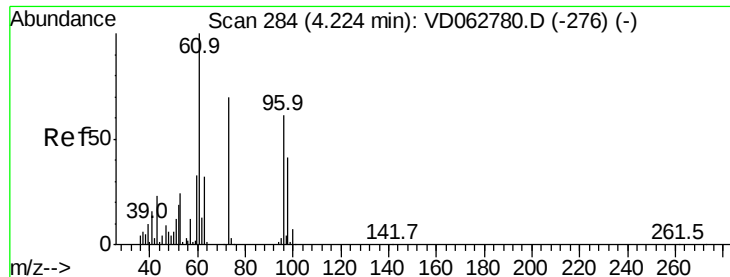


#20

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

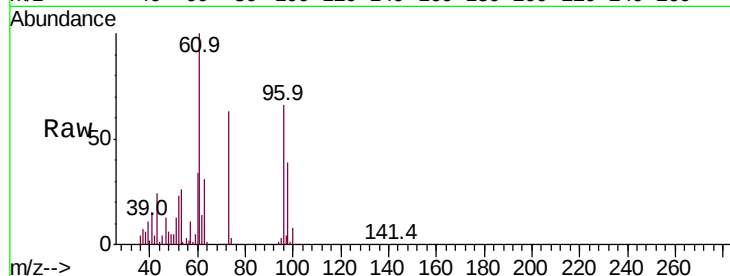
Tot Ion: 96 Resp: 350970

Ion Ratio Lower Upper

96 100

61 151.2 131.0 196.4

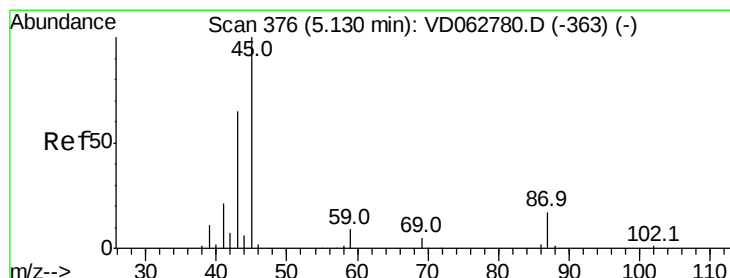
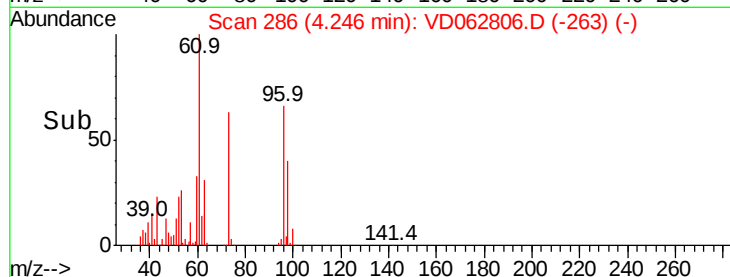
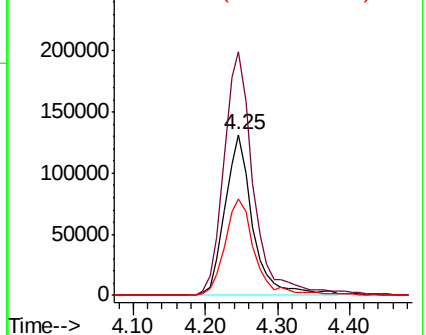
98 59.6 53.2 79.8



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

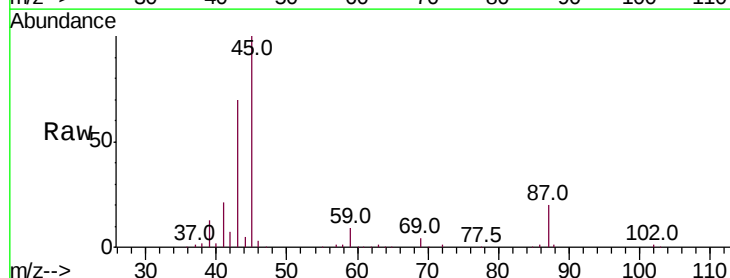
Ion Ratio Lower Upper

45 100

43 70.2 53.4 80.0

87 19.5 14.6 22.0

59 9.4 7.8 11.8

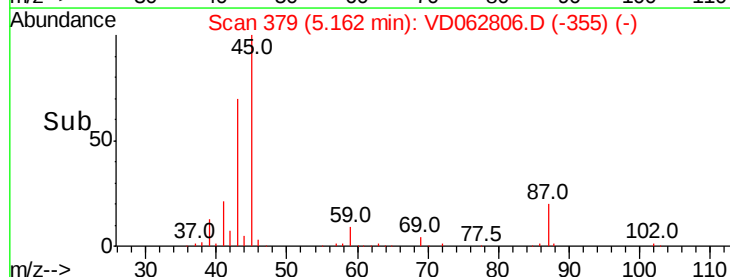
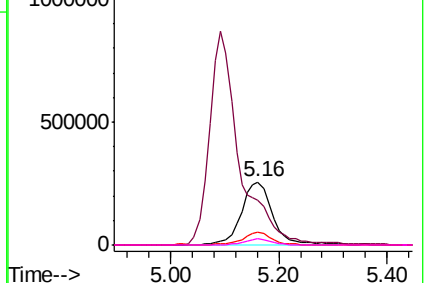


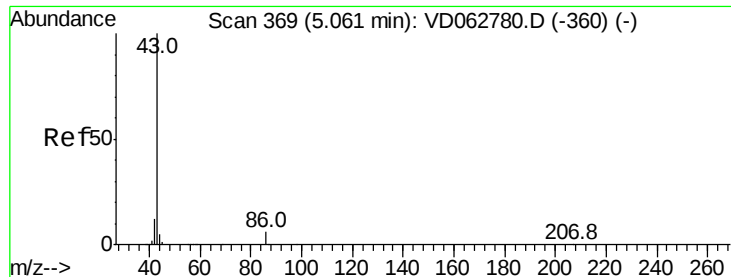
Abundance Ion 45.05 (44.75 to 45.75): VDC

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 :

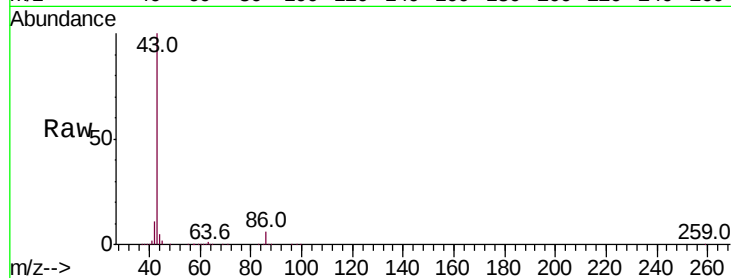
VSTDCCC050

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

1000000 Ion 86.00 (85.70 to 86.70): VDC

800000

600000

400000

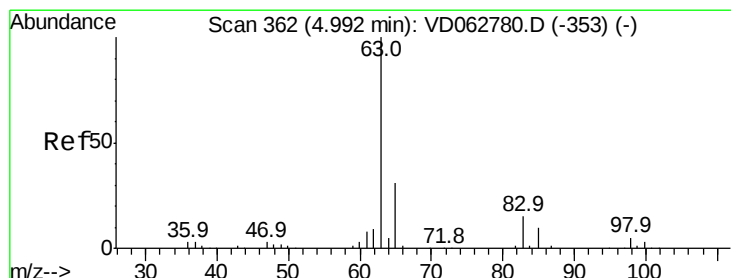
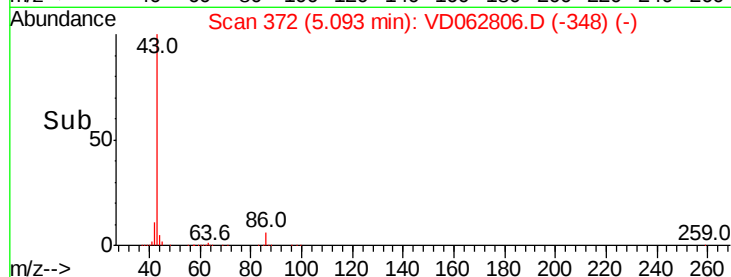
200000

0

Time--> 4.90 5.00 5.10 5.20 5.30

5.09

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

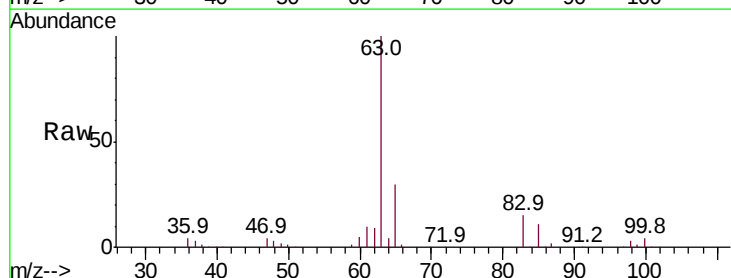
Tgt Ion: 63 Resp: 657081

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

250000 Ion 97.95 (97.65 to 98.65): VDC

200000 Ion 99.95 (99.65 to 100.65): VDC

150000

100000

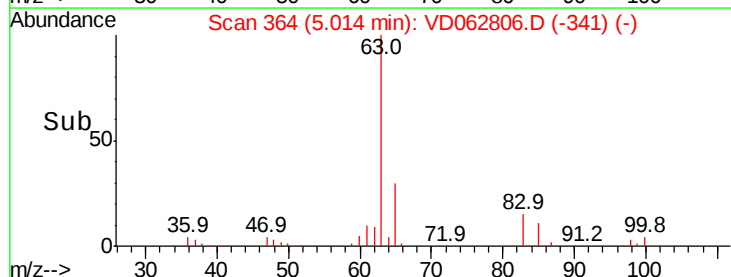
50000

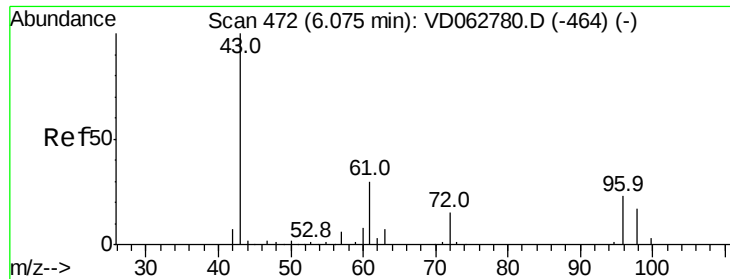
0

Time--> 4.90 5.00 5.10 5.20

5.01

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 :

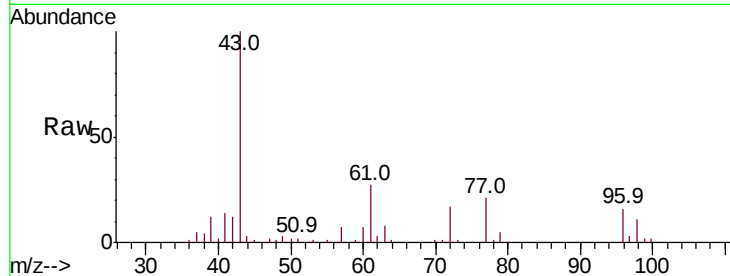
VSTDCCC050

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

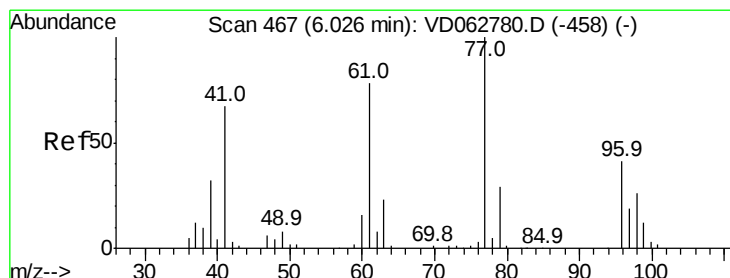
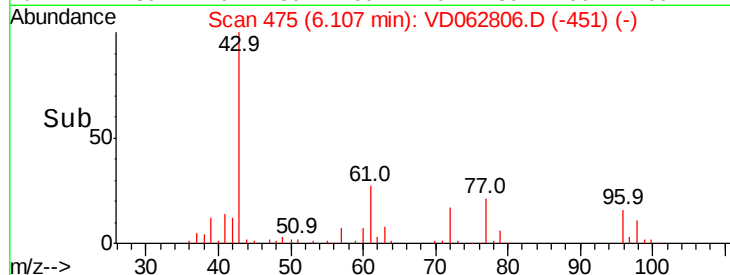
50000

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

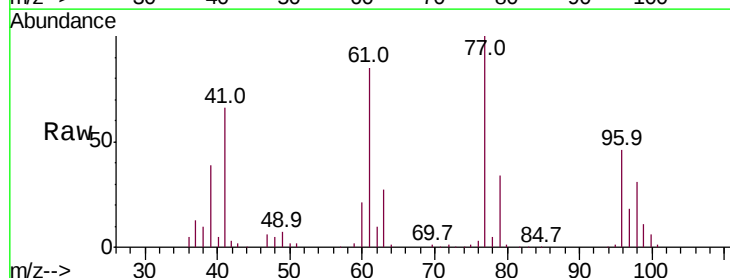
Acq: 21 Jun 2019 10:13

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

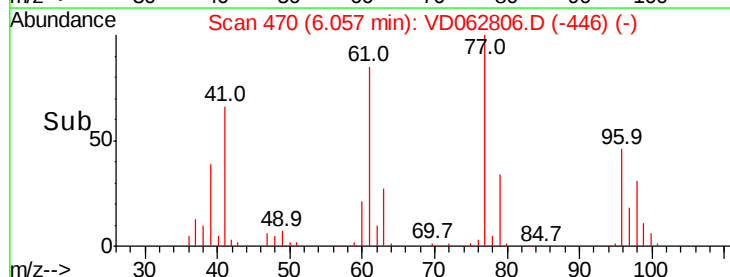
50000

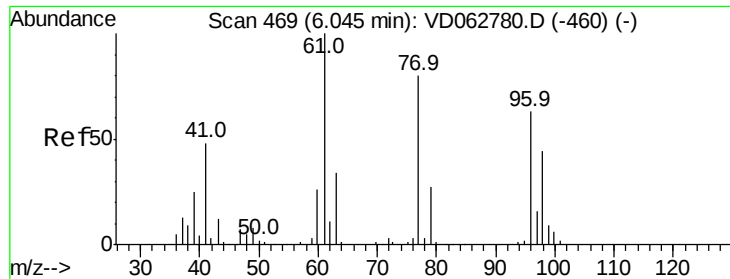
0

6.06

6.20

Time-->



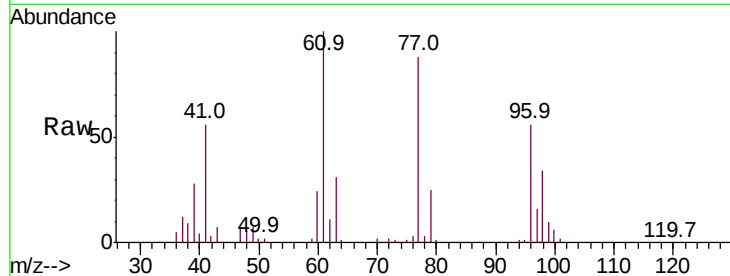


#27

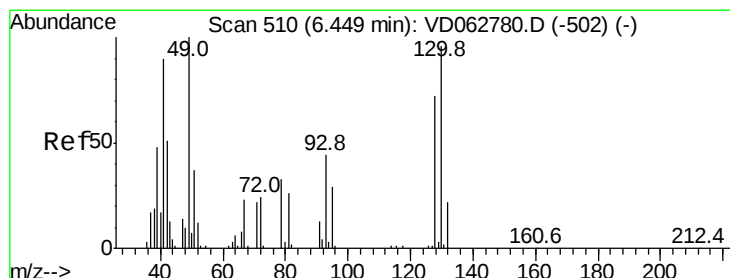
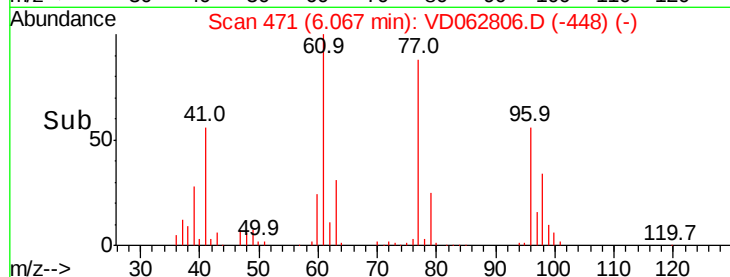
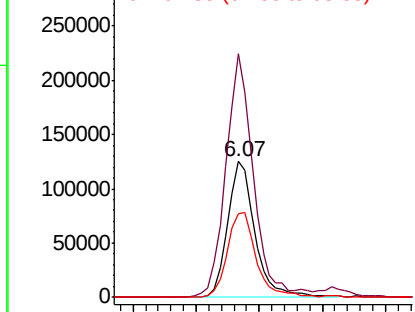
cis-1,2-Dichloroethene
Concen: 47.578 ug/l
RT: 6.07 min Scan# 471
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

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



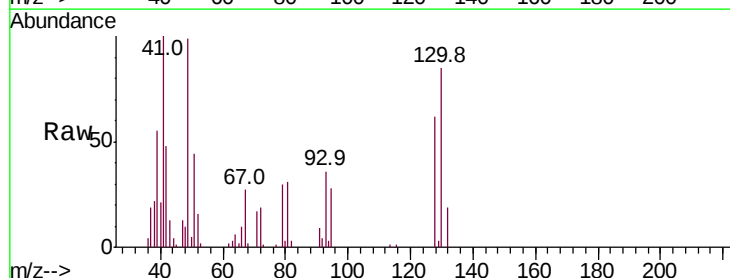
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



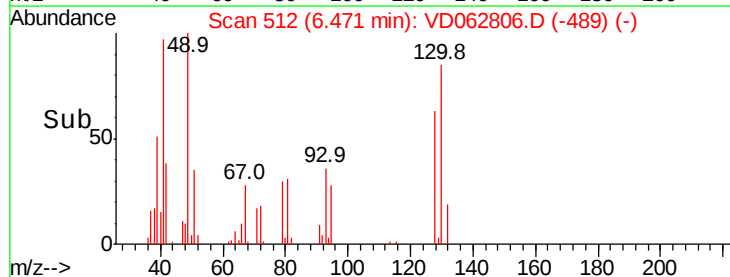
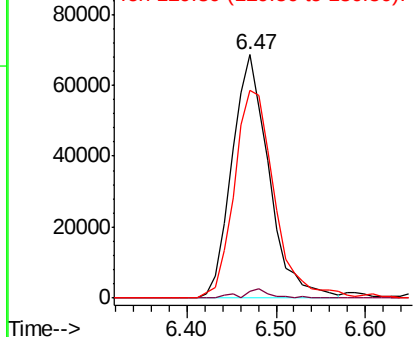
#28

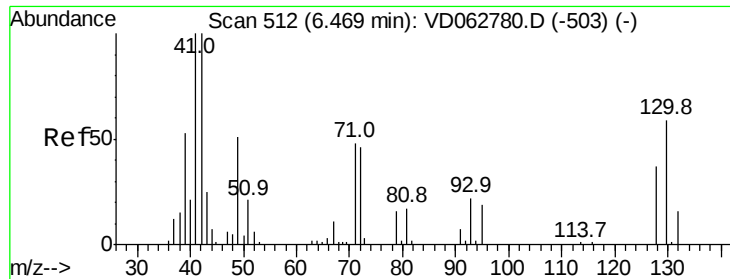
Bromochloromethane
Concen: 41.161 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

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

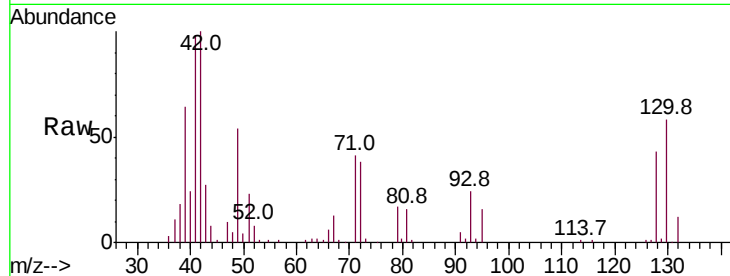
Tot Ion: 42 Resp: 222677

Ion Ratio Lower Upper

42 100

72 38.6 35.0 52.6

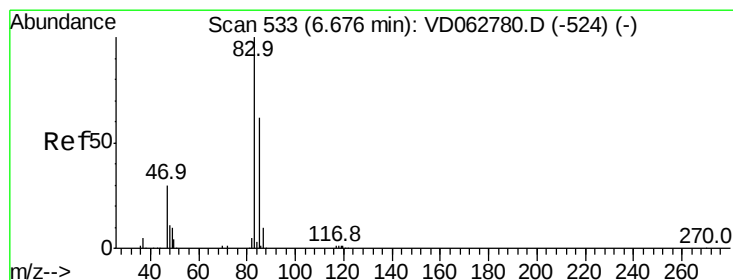
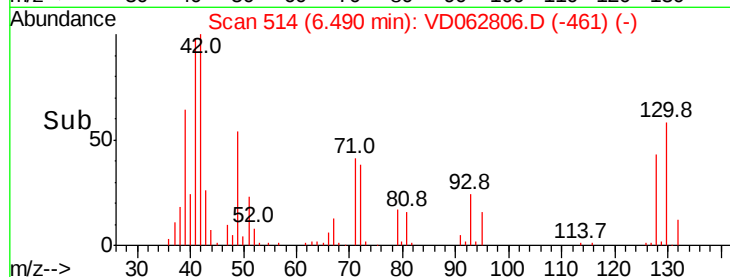
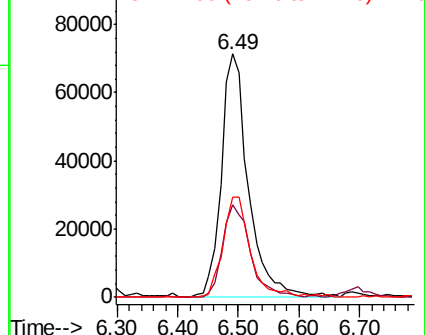
71 40.9 33.3 49.9



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

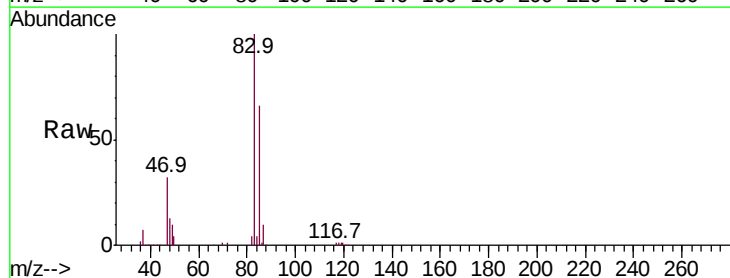
Acq: 21 Jun 2019 10:13

Tgt Ion: 83 Resp: 847089

Ion Ratio Lower Upper

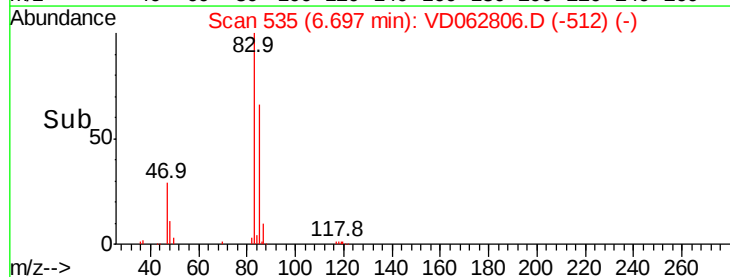
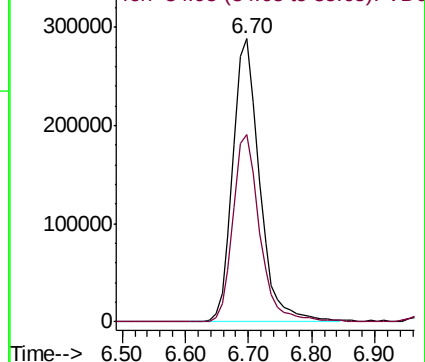
83 100

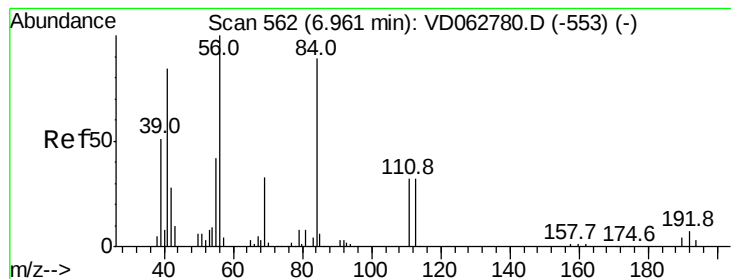
85 66.4 49.8 74.6



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

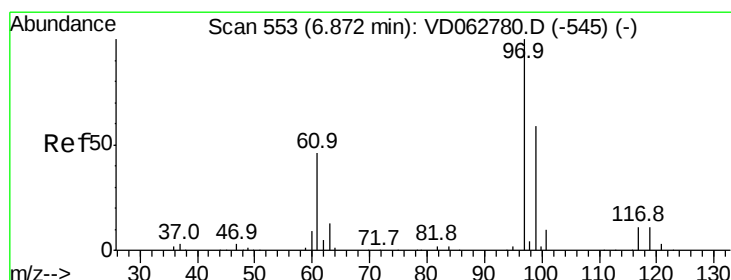
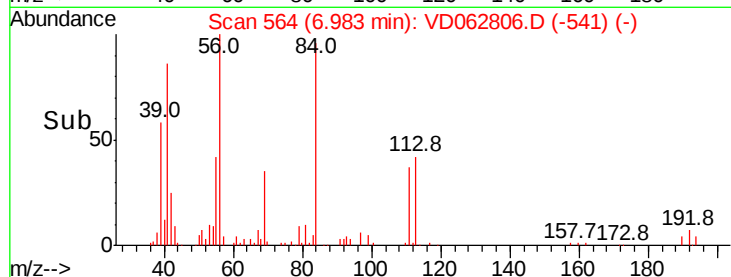
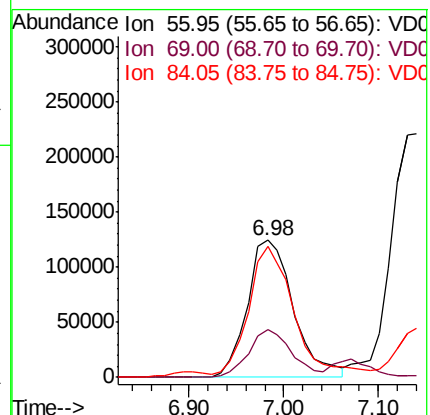
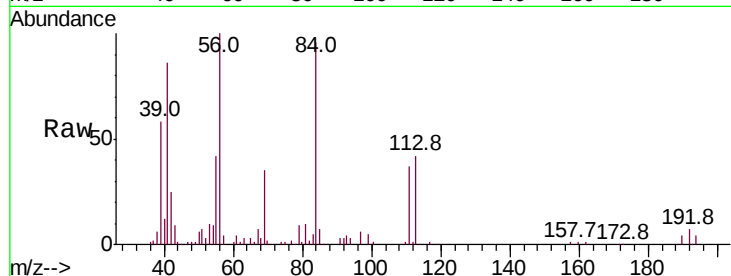
Tot Ion: 56 Resp: 420783

Ion Ratio Lower Upper

56 100

69 34.8 26.6 39.8

84 95.7 75.5 113.3



#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

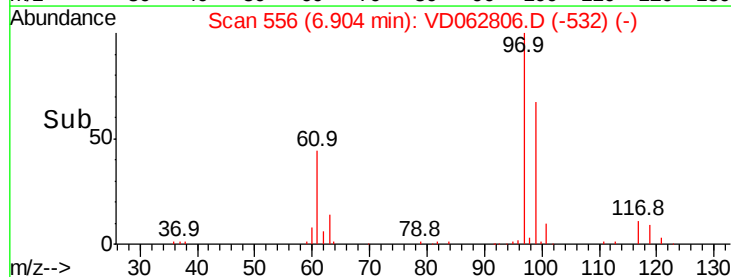
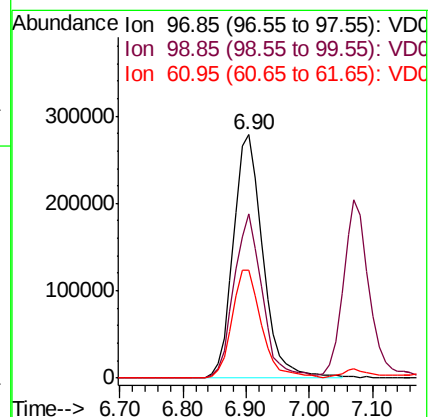
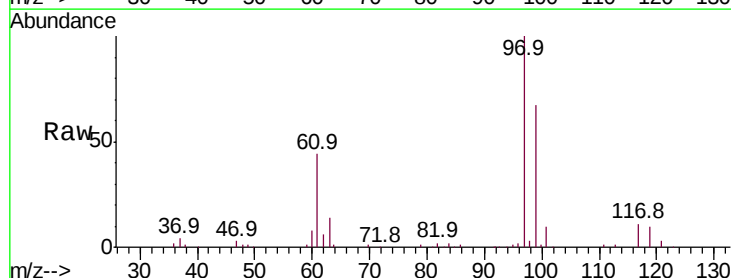
Tgt Ion: 97 Resp: 901813

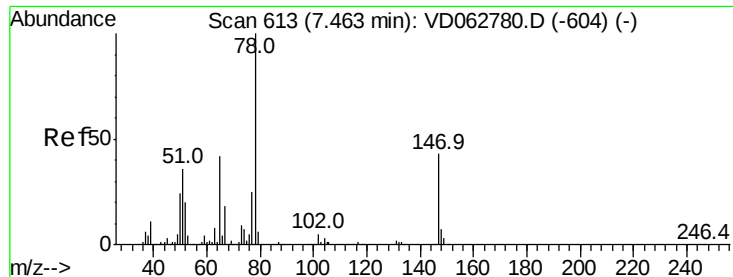
Ion Ratio Lower Upper

97 100

99 67.4 47.4 71.2

61 44.2 37.2 55.8





#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 :

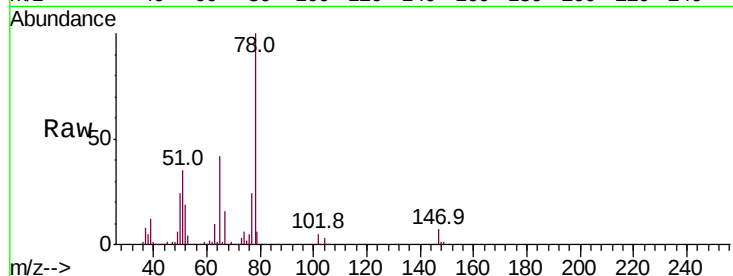
VSTDCCC050

Tot Ion: 65 Resp: 433814

Ion Ratio Lower Upper

65 100

67 39.3 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

100000

50000

0

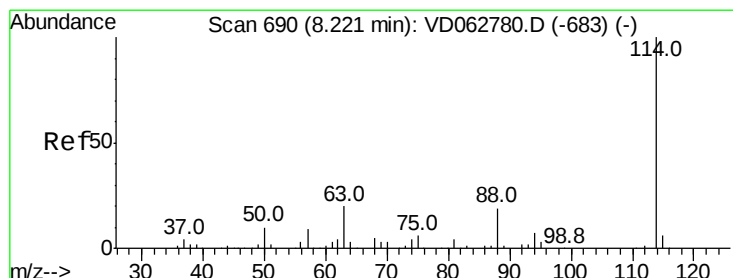
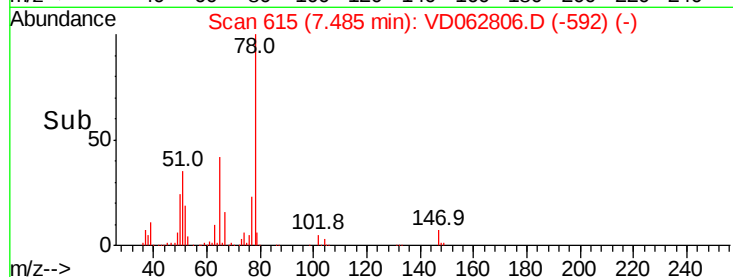
7.40

7.48

7.50

7.60

Time-->



#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

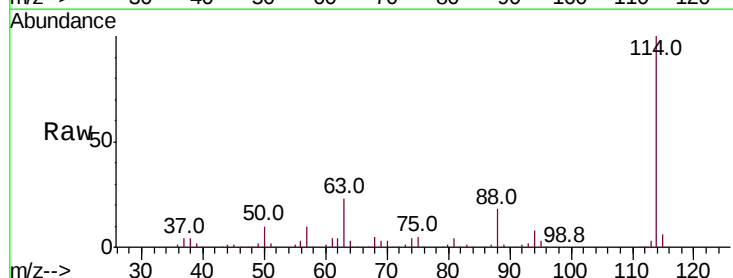
Tgt Ion: 114 Resp: 1201018

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 17.7 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

200000

100000

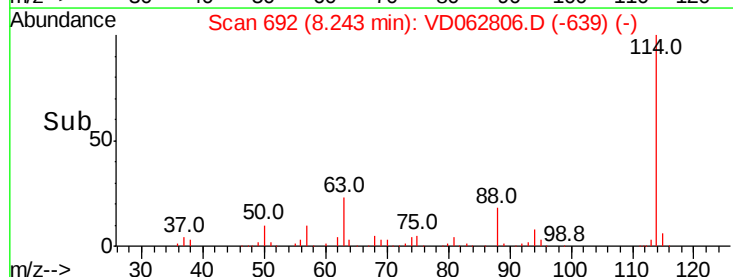
0

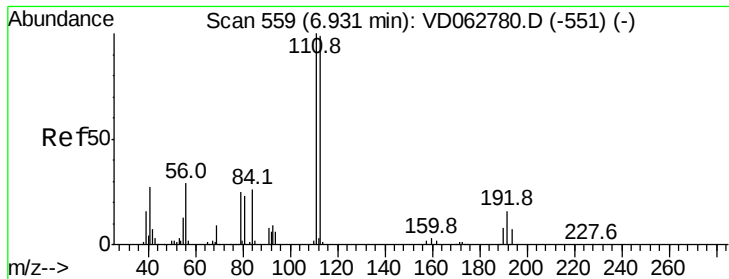
8.20

8.24

8.40

Time-->





#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

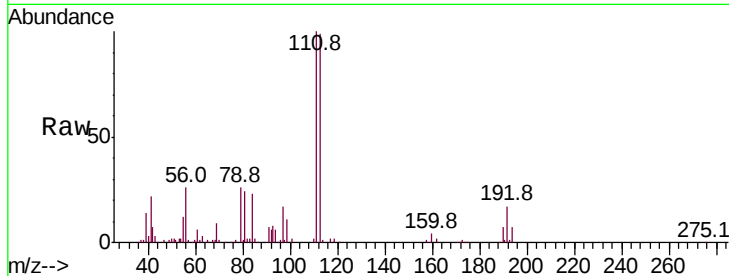
Tot Ion:113 Resp: 421768

Ion Ratio Lower Upper

113 100

111 101.4 81.2 121.8

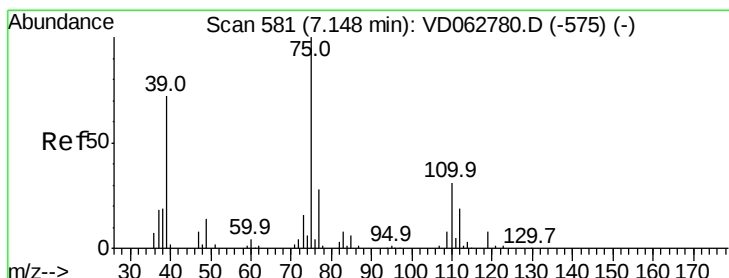
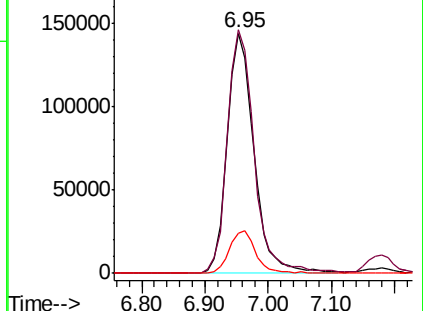
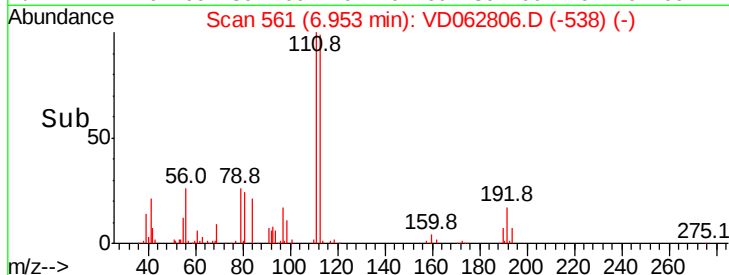
192 16.8 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 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

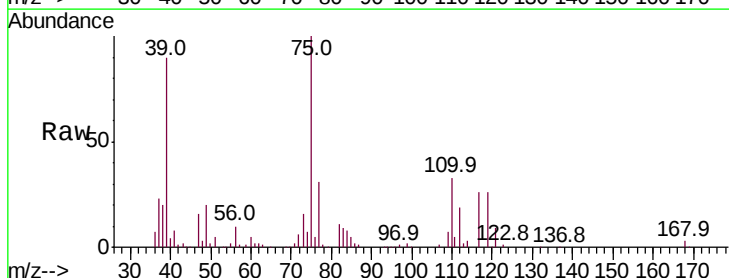
Tgt Ion: 75 Resp: 551517

Ion Ratio Lower Upper

75 100

110 33.1 15.0 45.1

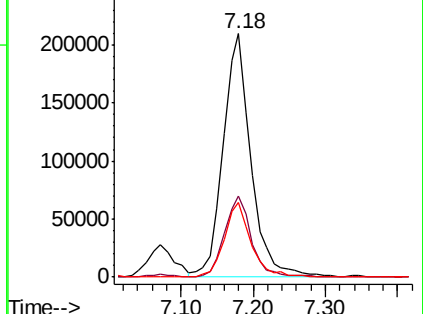
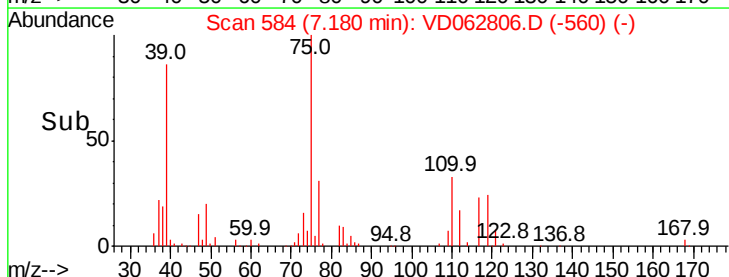
77 30.6 22.2 33.2

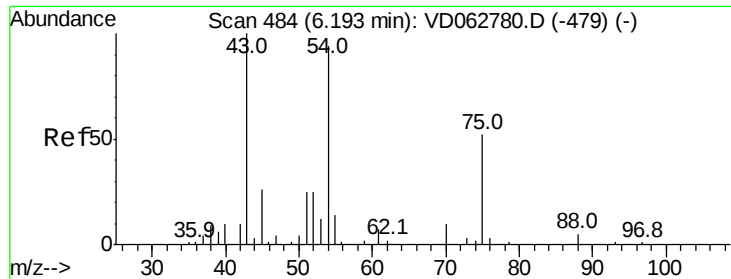


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

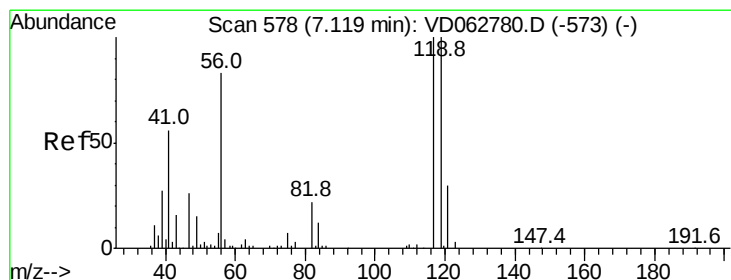
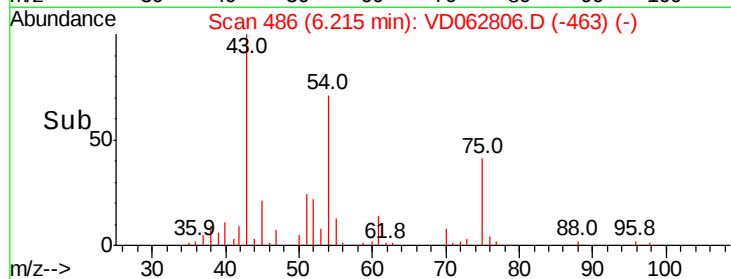
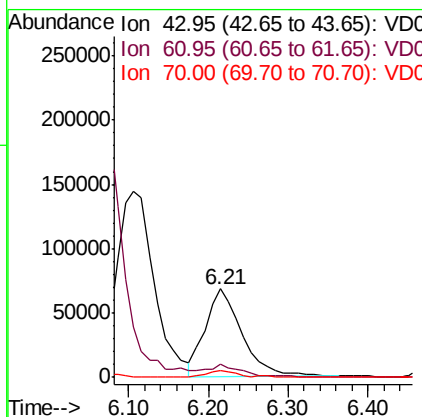
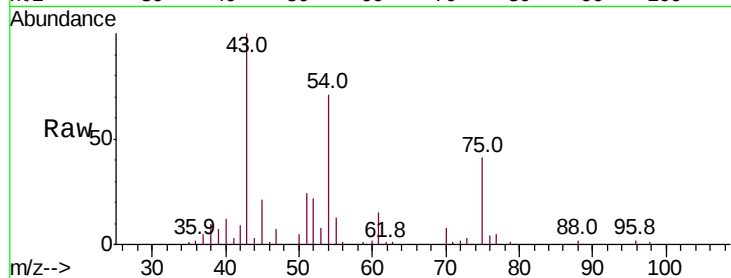




#37
Ethyl Acetate
Concen: 45.692 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

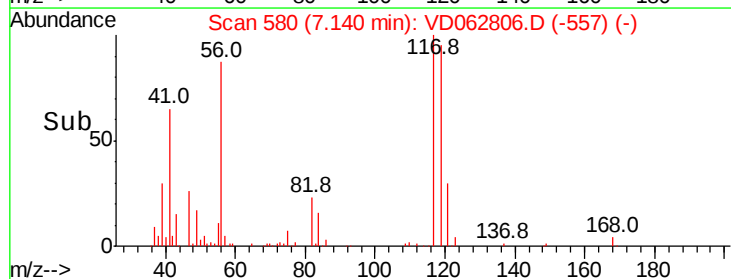
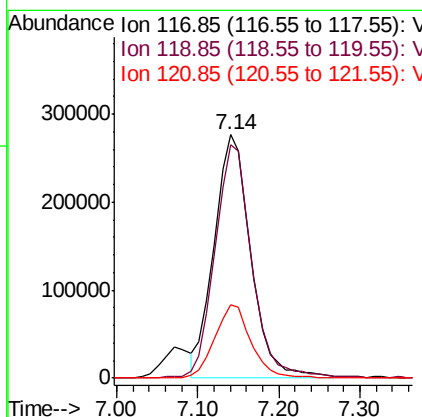
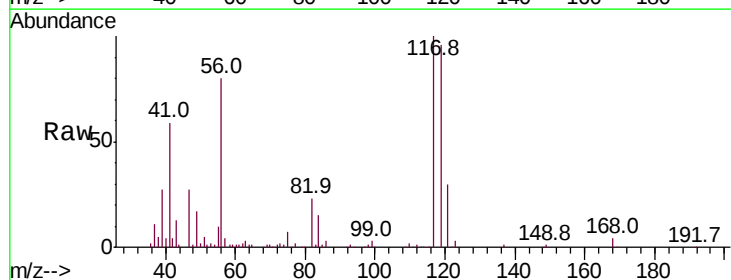
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

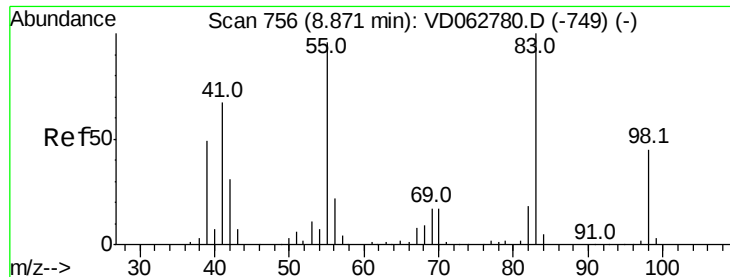
Tot Ion: 43 Resp: 218675
Ion Ratio Lower Upper
43 100
61 14.7 11.6 17.4
70 7.6 6.4 9.6



#38
Carbon Tetrachloride
Concen: 51.563 ug/l m
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: 881679
Ion Ratio Lower Upper
117 100
119 96.0 75.4 113.2
121 30.2 22.3 33.5

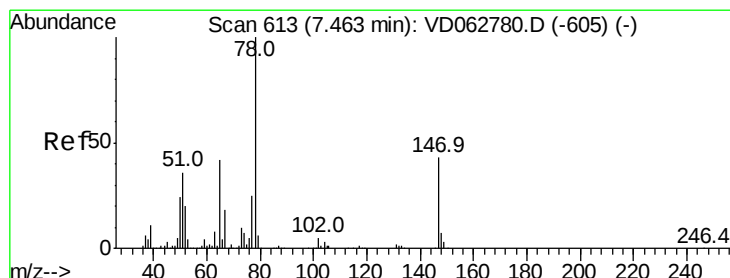
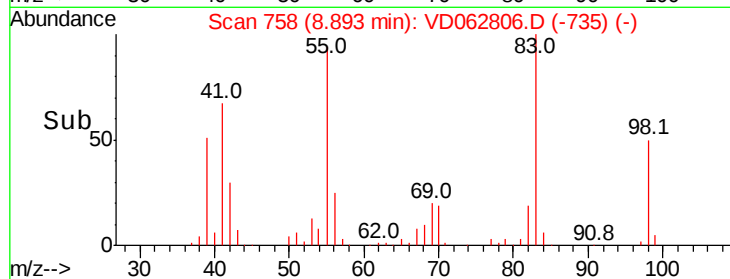
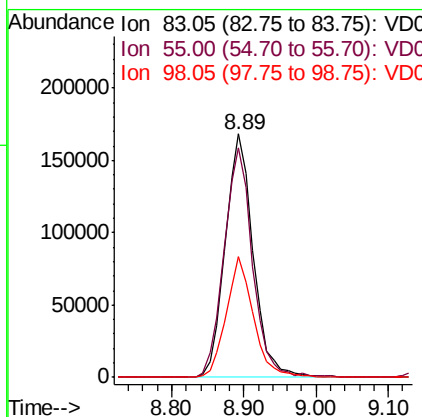
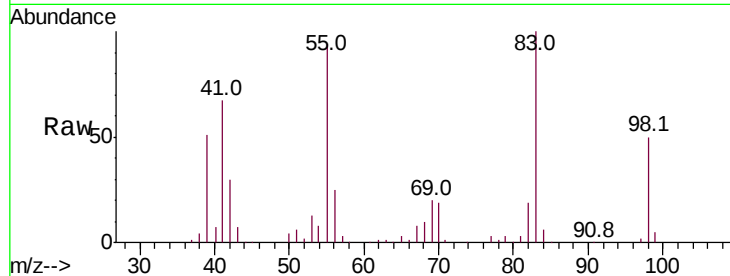




#39
Methvlcvclohexane
Concen: 45.196 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

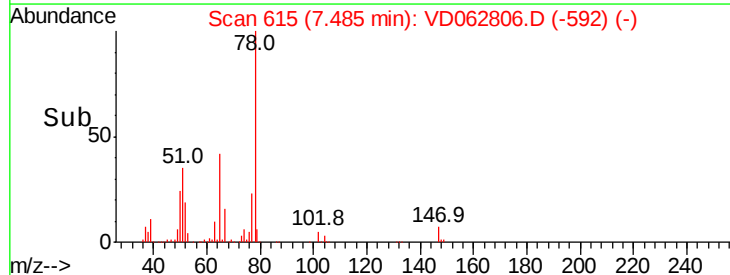
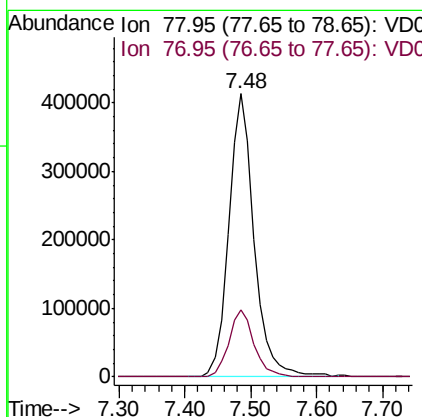
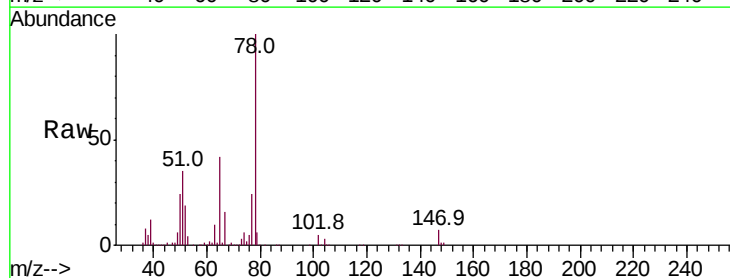
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

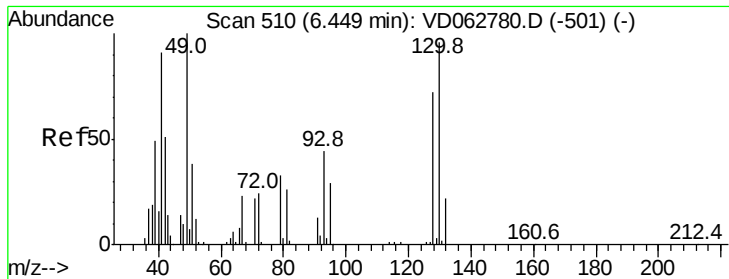
Tot Ion: 83 Resp: 452313
Ion Ratio Lower Upper
83 100
55 94.2 76.6 115.0
98 49.6 35.7 53.5



#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

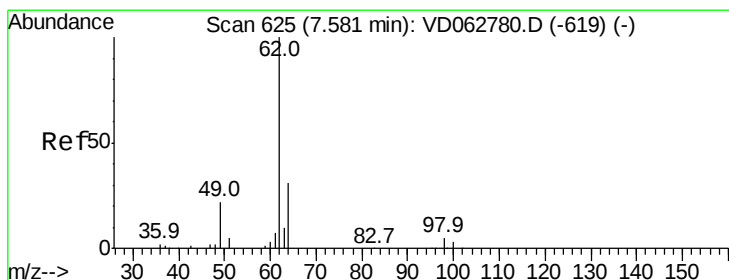
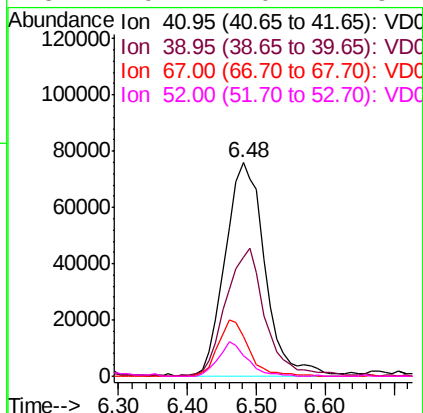
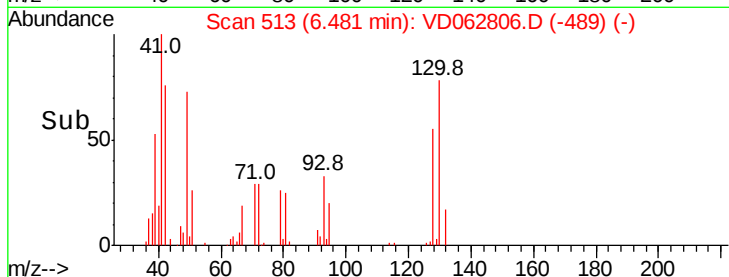
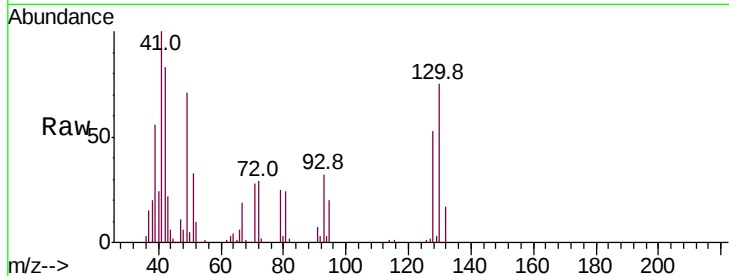




#41
Methacrylonitrile
Concen: 50.667 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

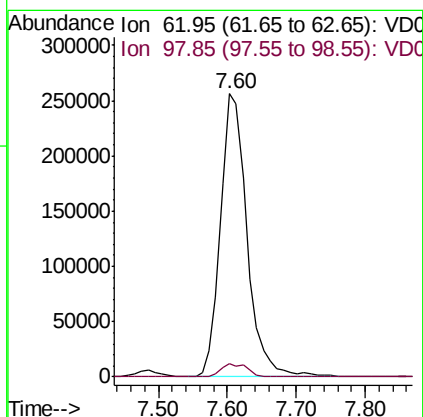
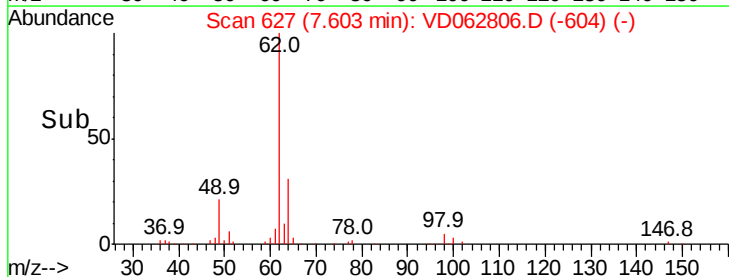
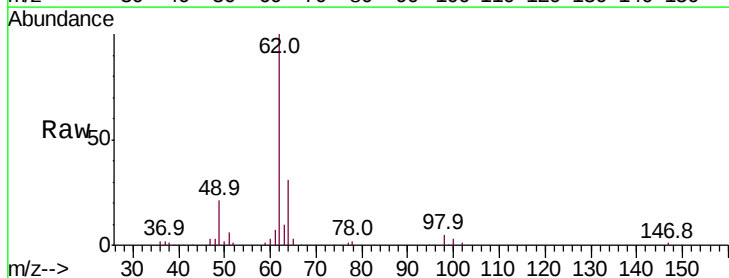
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

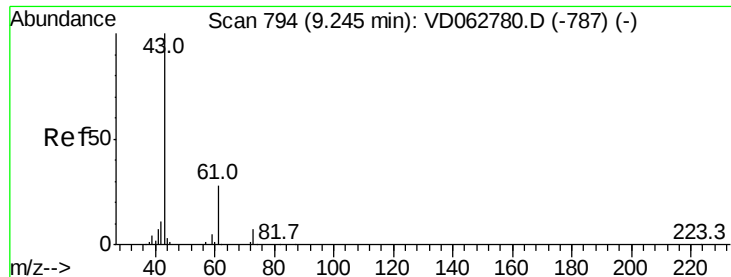
Tot Ion: 41 Resp: 303789
Ion Ratio Lower Upper
41 100
39 55.8 43.2 64.8
67 18.8 19.9 29.9#
52 9.7 10.2 15.4#



#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



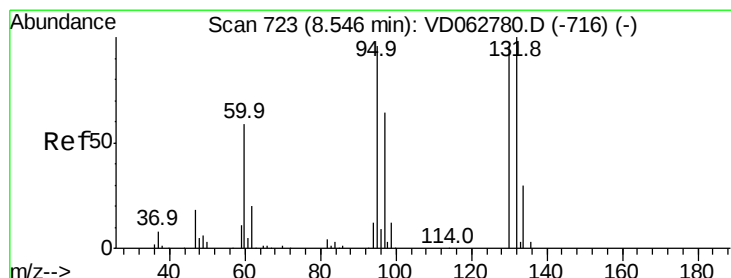
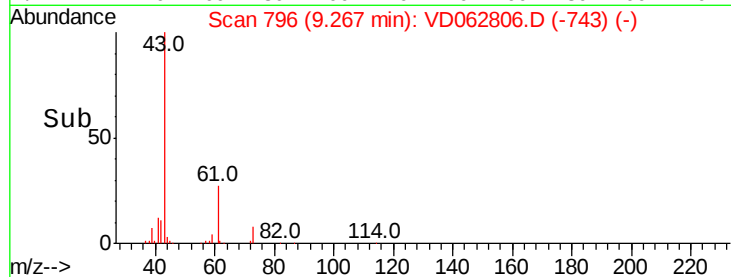
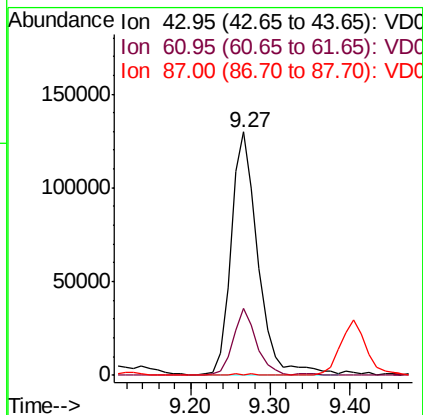
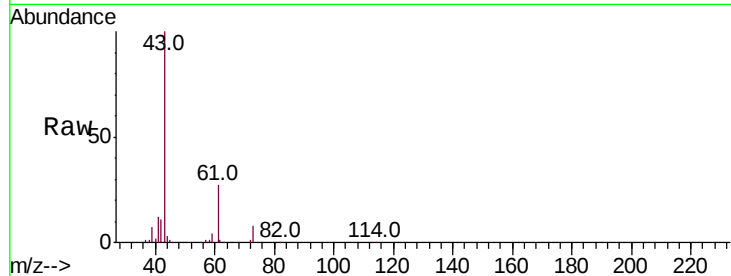


#43

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

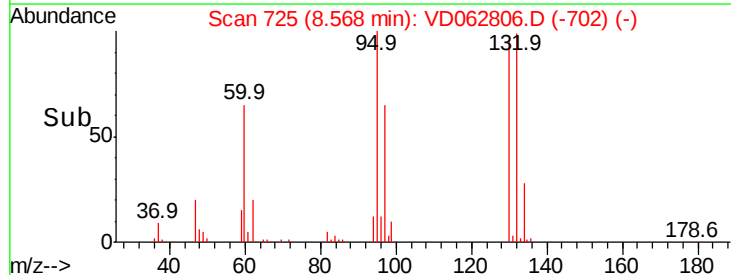
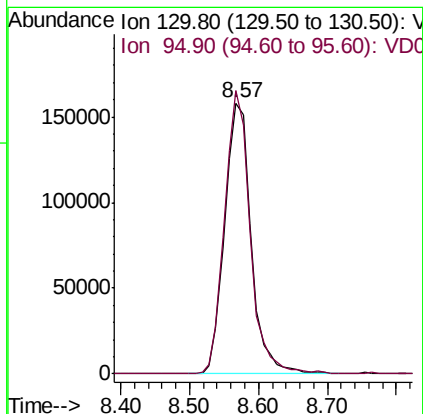
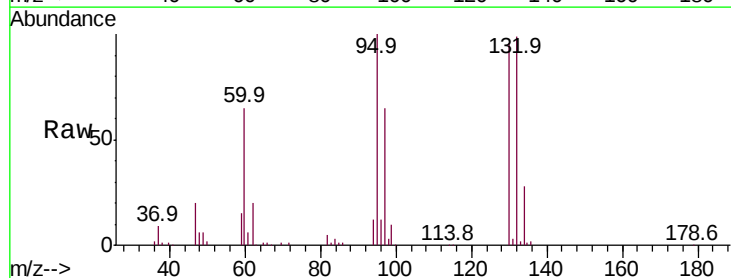
Tot Ion: 43 Resp: 301165
 Ion Ratio Lower Upper
 43 100
 61 27.3 22.4 33.6
 87 0.4 0.3 0.5

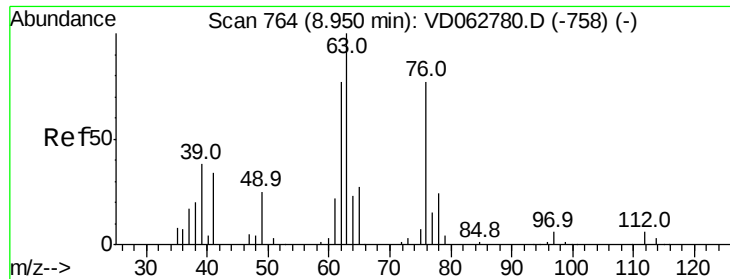


#44

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





#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 :

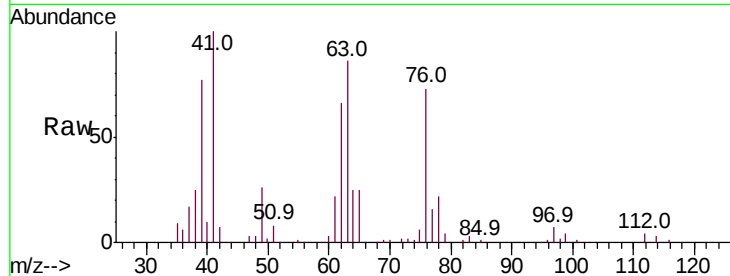
VSTDCCC050

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

8.97

100000

80000

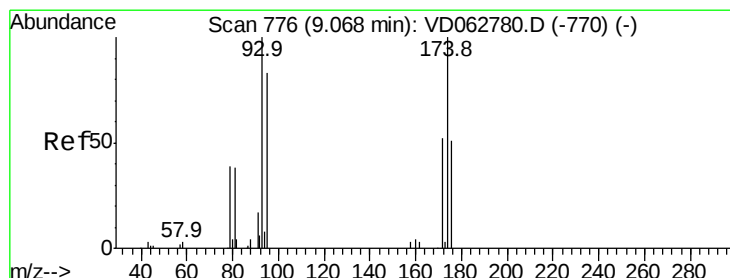
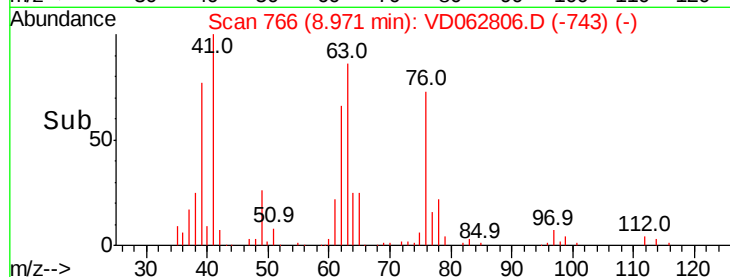
60000

40000

20000

0

Time-->



#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

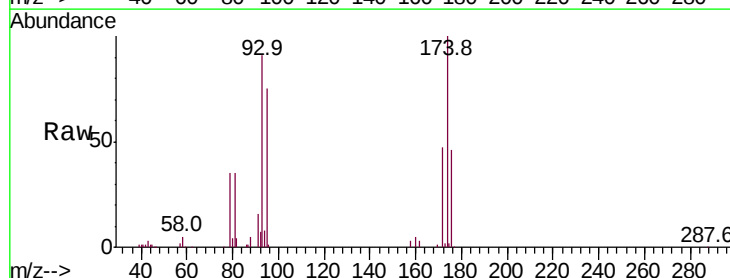
Tgt Ion: 93 Resp: 250334

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): V

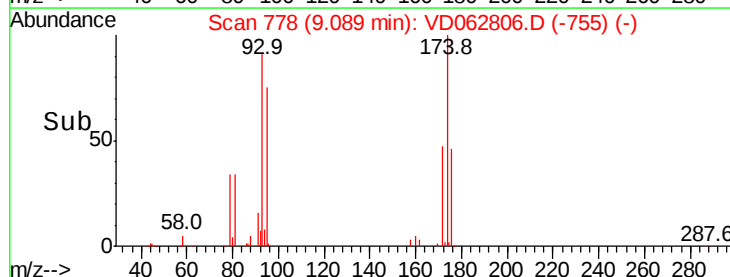
150000

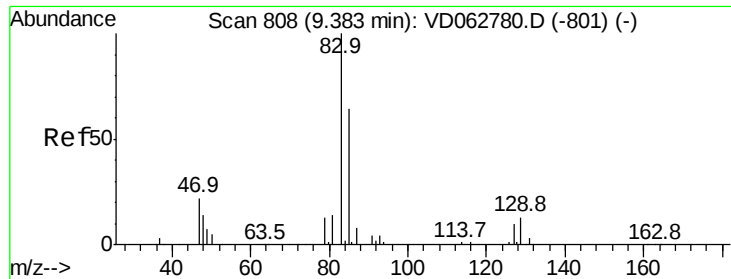
100000

50000

0

Time-->





#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

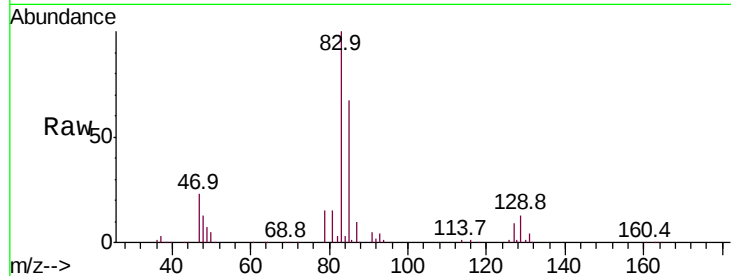
Tot Ion: 83 Resp: 687277

Ion Ratio Lower Upper

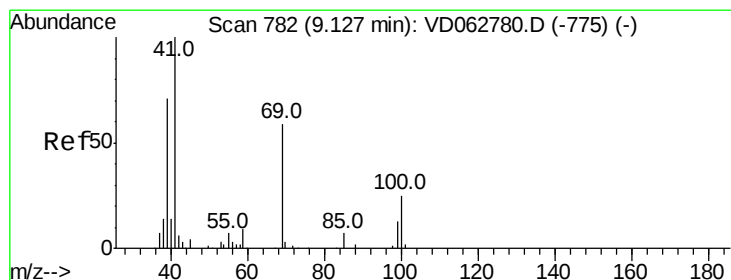
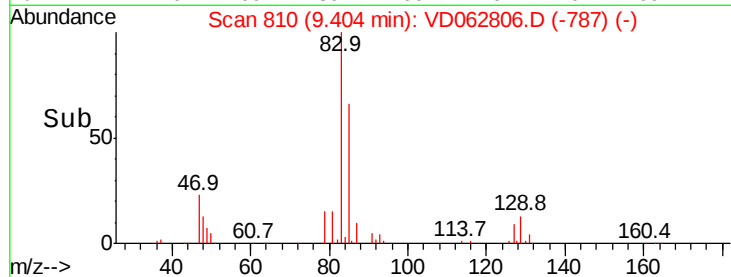
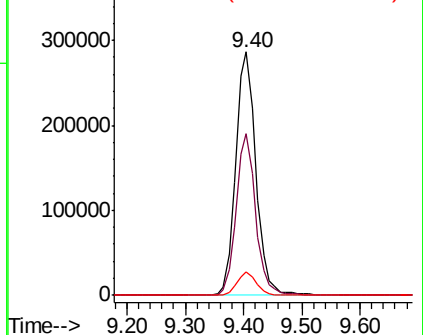
83 100

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

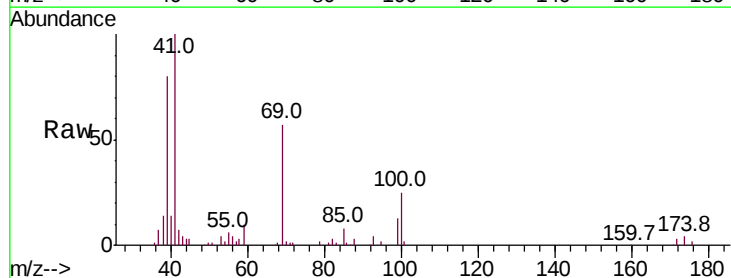
Tgt Ion: 41 Resp: 213145

Ion Ratio Lower Upper

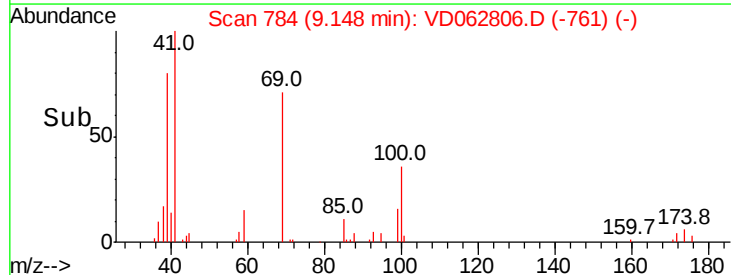
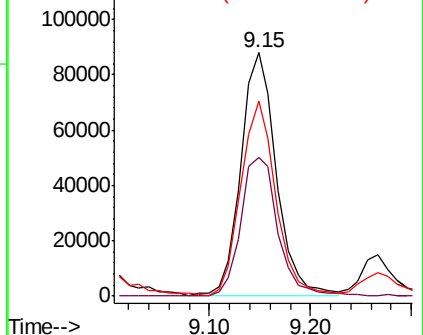
41 100

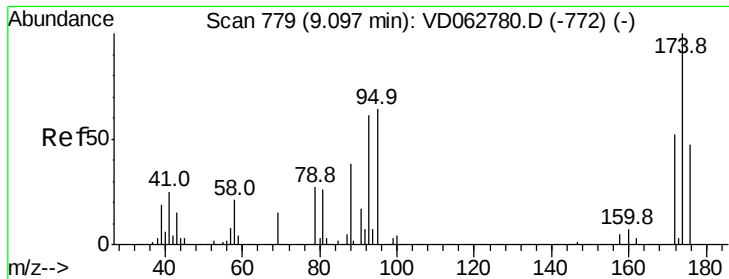
69 57.2 47.2 70.8

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

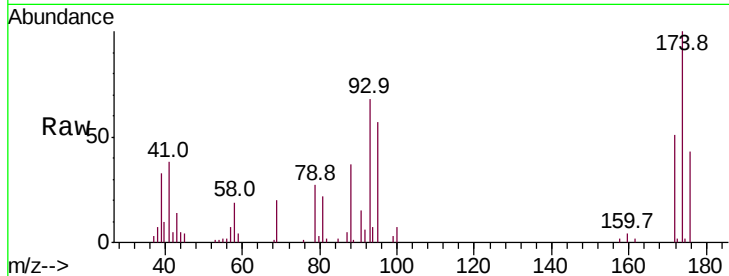
Lab File: VD062806.D

Acq: 21 Jun 2019 10:13

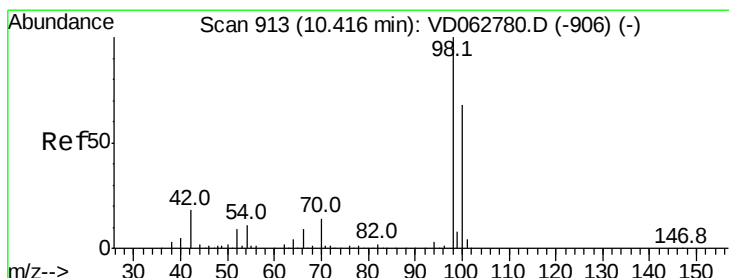
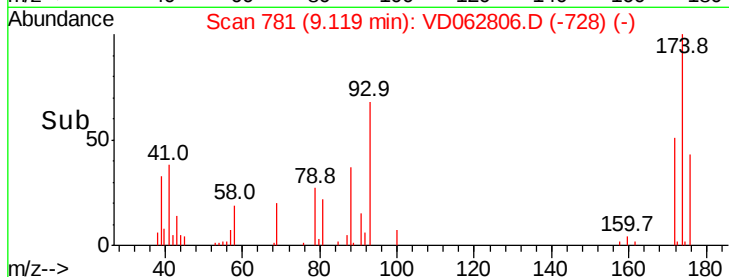
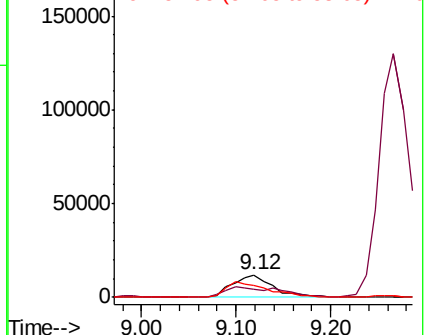
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

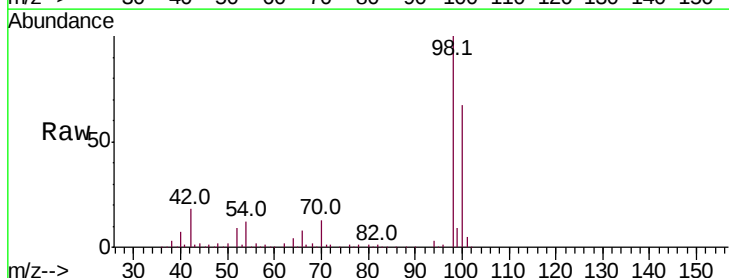
Delta R.T. 0.02 min

Lab File: VD062806.D

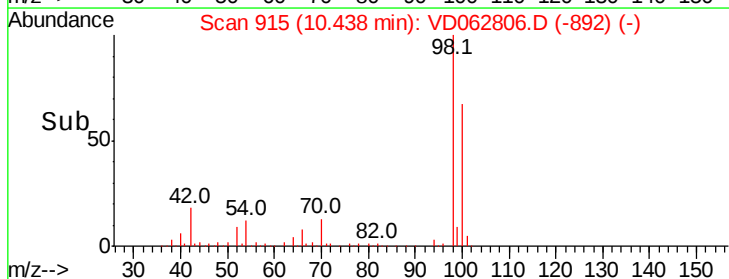
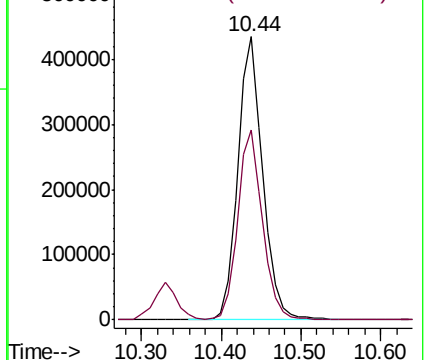
Acq: 21 Jun 2019 10:13

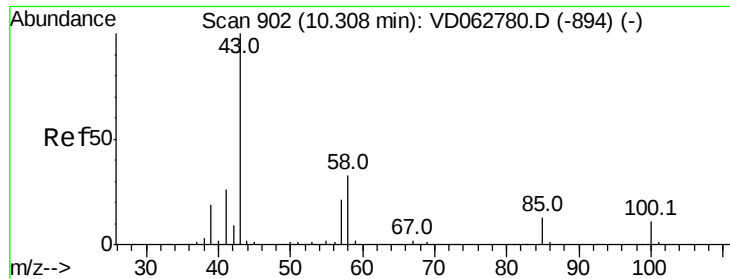
Tgt Ion: 98 Resp: 938394

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 :

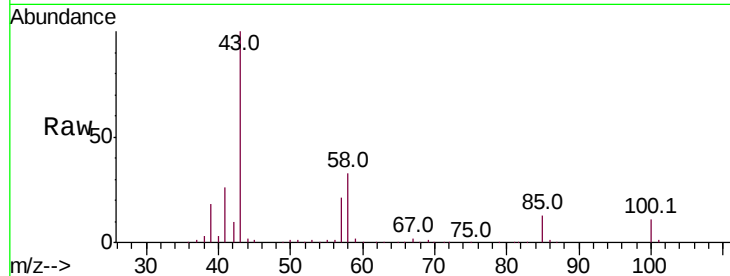
VSTDCCC050

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

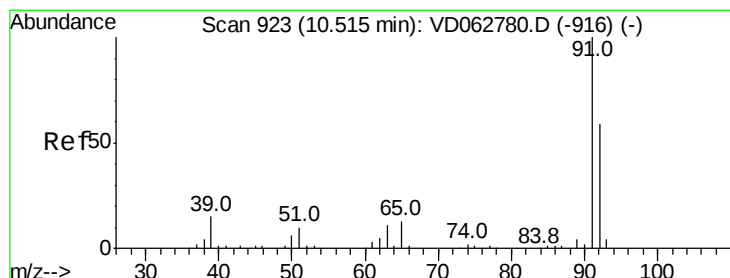
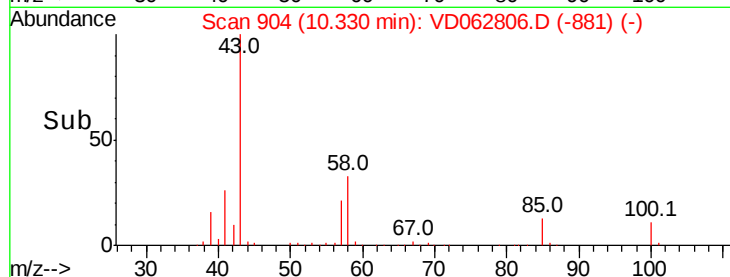
300000

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

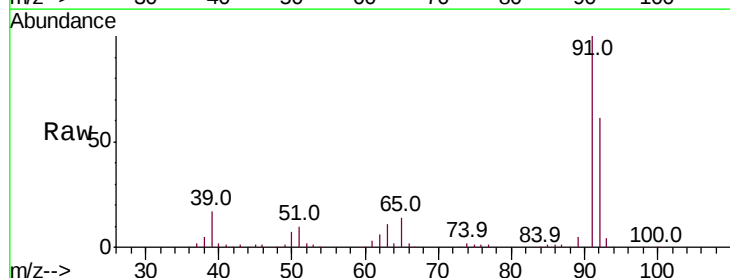
Acq: 21 Jun 2019 10:13

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

10.54

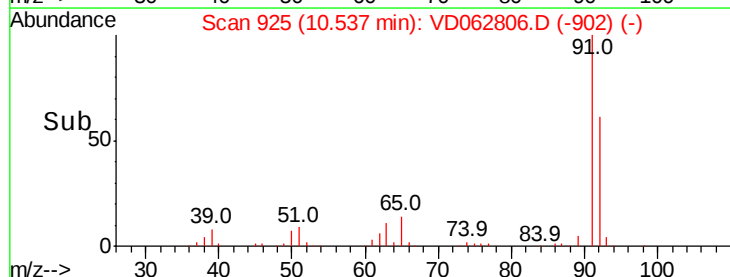
600000

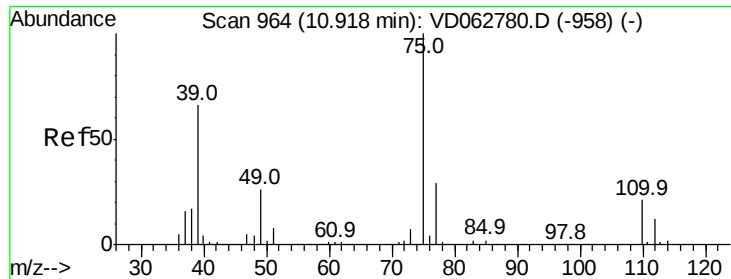
400000

200000

0

Time--> 10.40 10.50 10.60 10.70

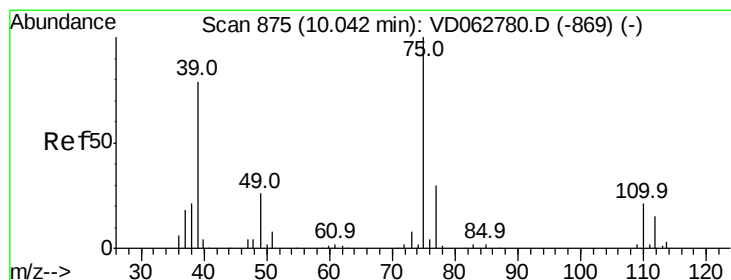
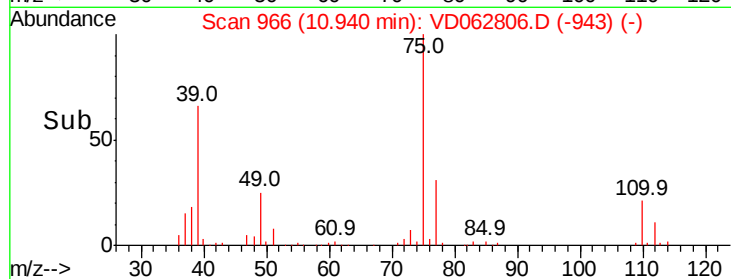
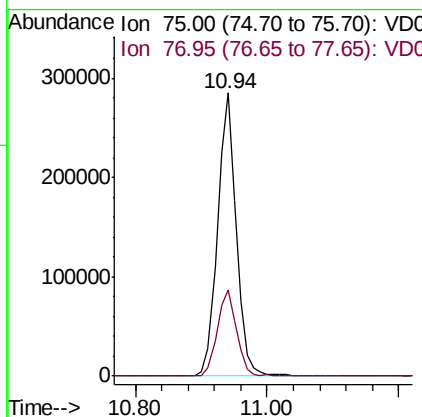
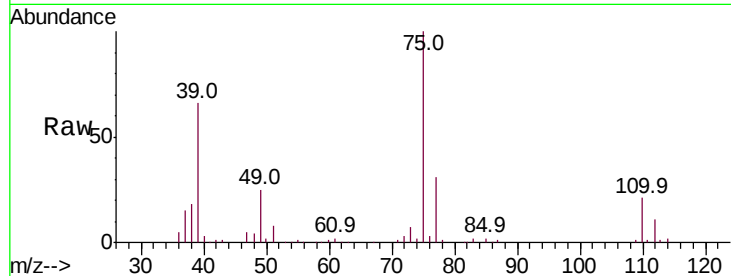




#53
 t-1,3-Dichloropropene
 Concen: 54.016 ug/l
 RT: 10.94 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

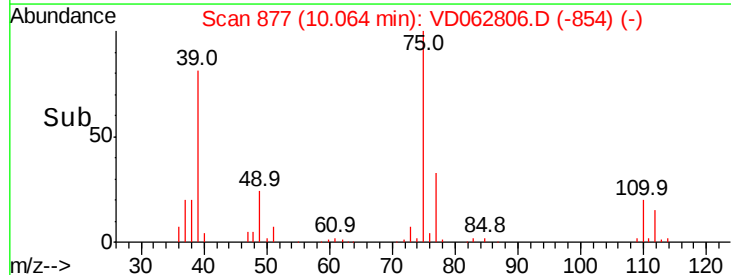
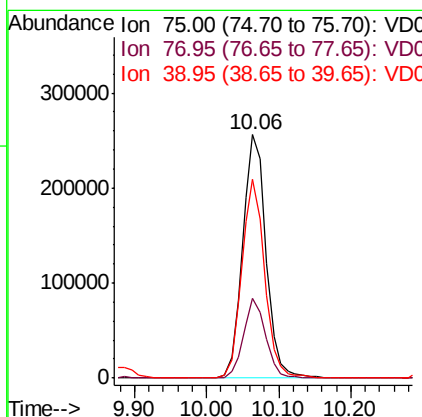
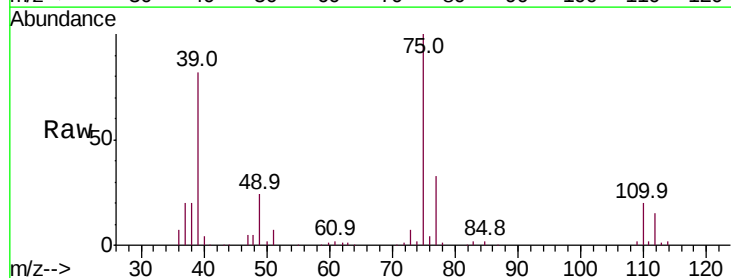
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

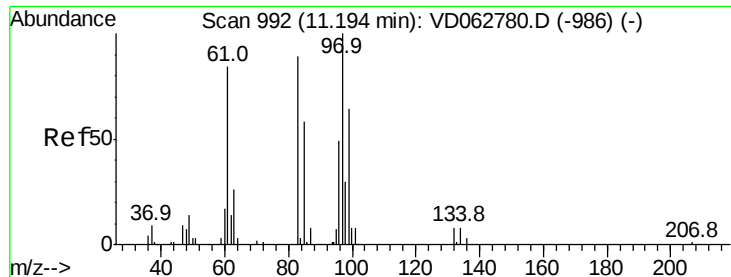
Tot Ion: 75 Resp: 559720
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.2 34.8



#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

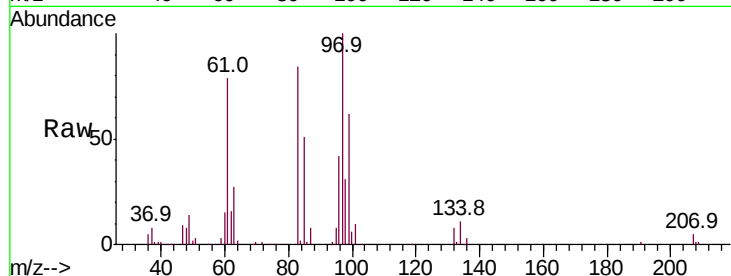




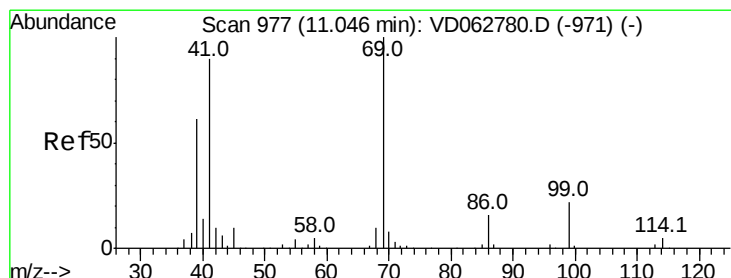
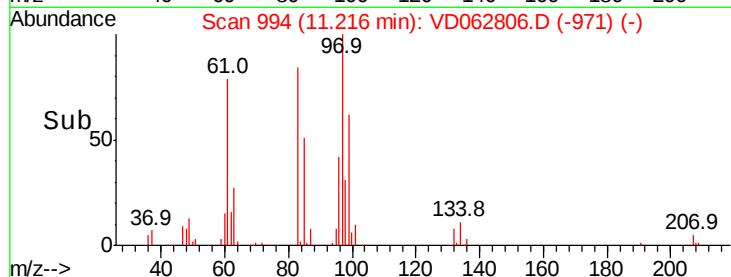
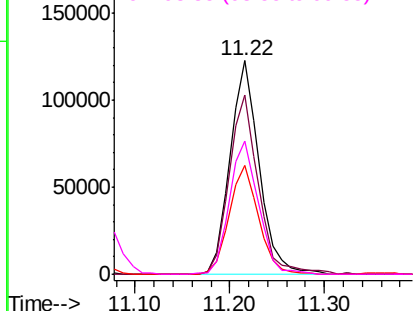
#55
 1,1,2-Trichloroethane
 Concen: 49.639 ug/l
 RT: 11.22 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

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

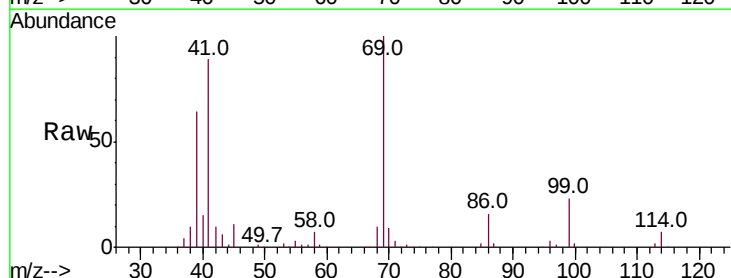


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

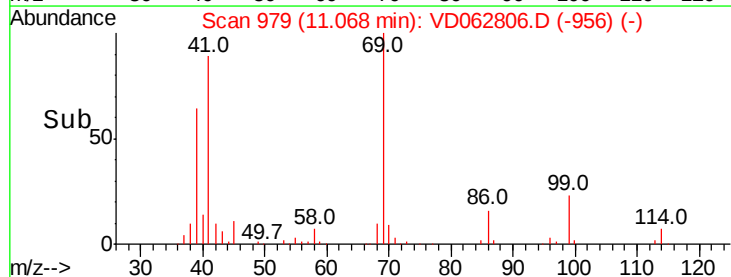
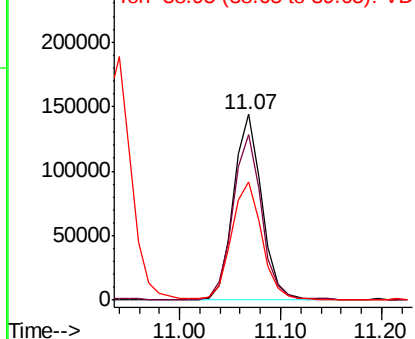


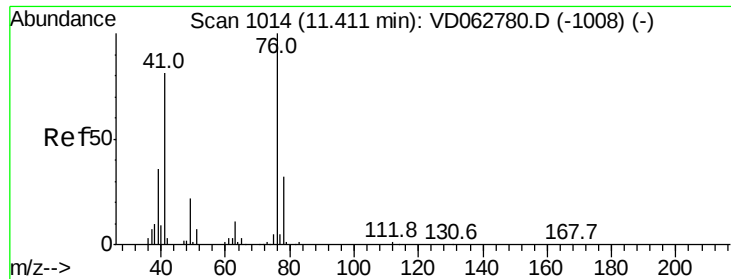
#56
 Ethyl methacrylate
 Concen: 49.726 ug/l
 RT: 11.07 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

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

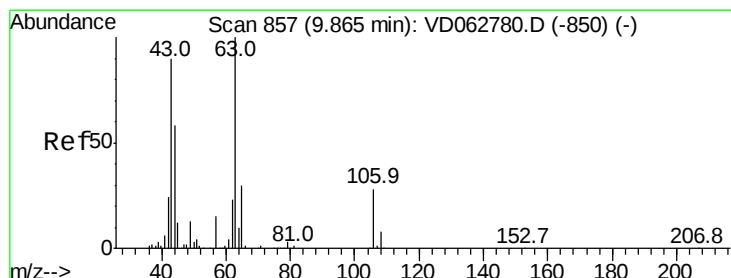
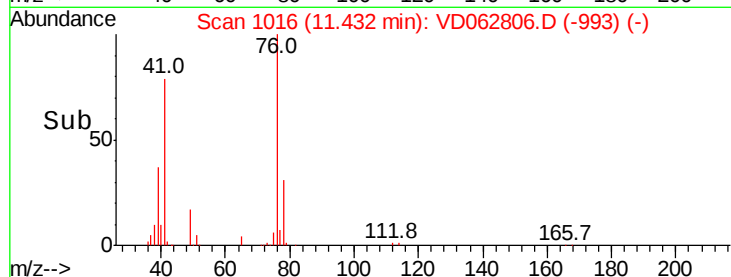
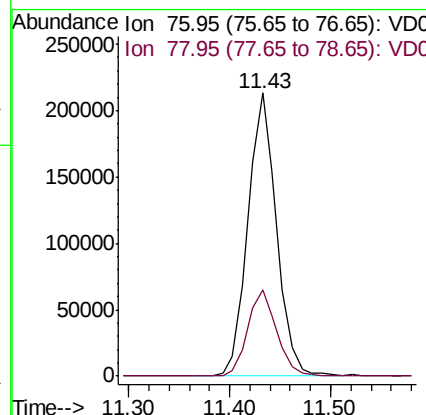
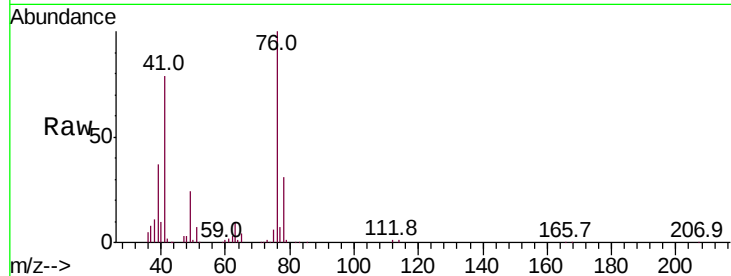




#57
 1,3-Dichloropropane
 Concen: 52.076 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

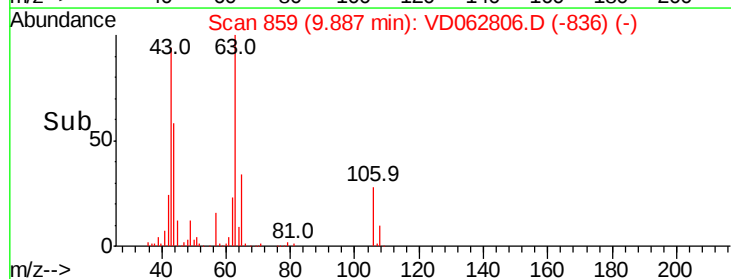
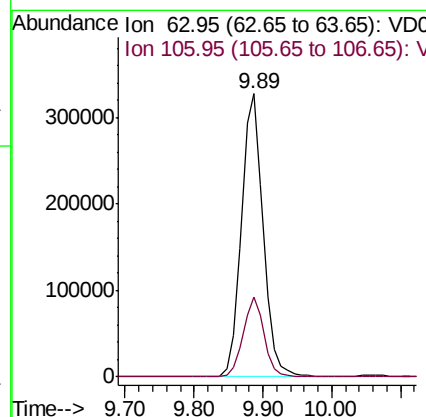
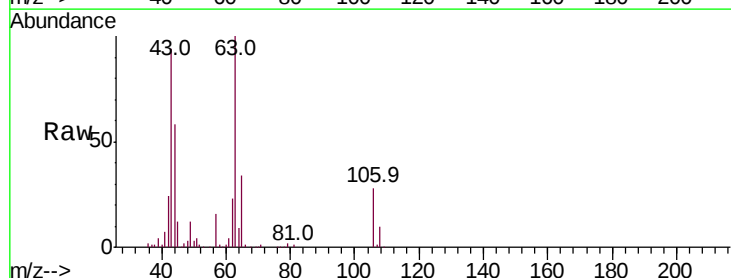
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

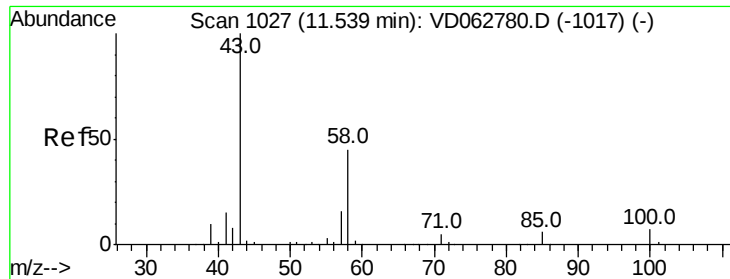
Tot Ion: 76 Resp: 420252
 Ion Ratio Lower Upper
 76 100
 78 30.7 25.4 38.0



#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

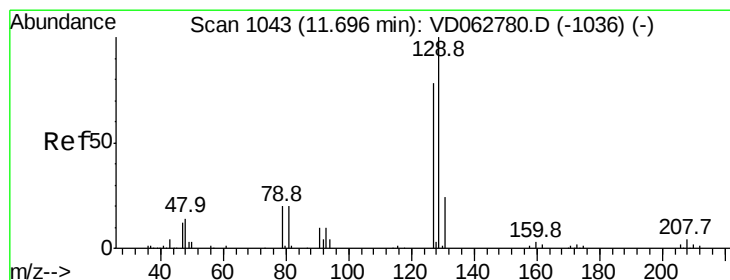
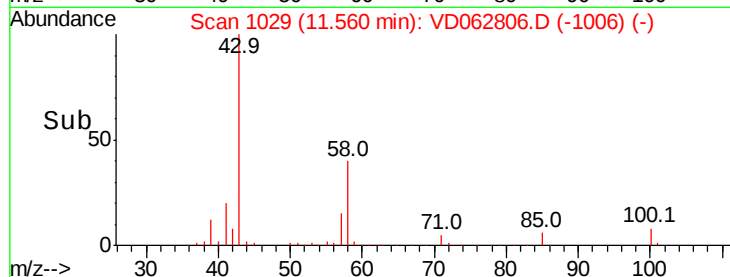
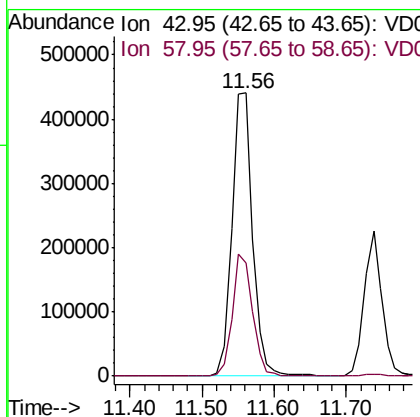
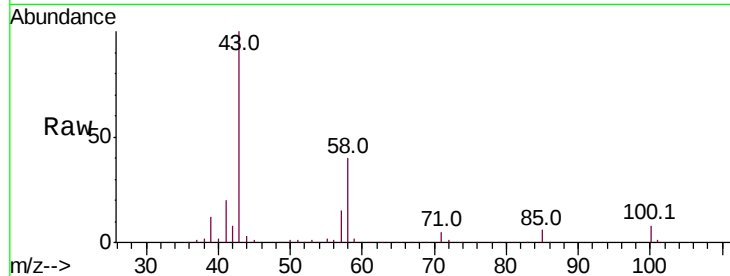




#59
2-Hexanone
Concen: 293.522 ug/l
RT: 11.56 min Scan# 1029
Delta R.T. 0.02 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

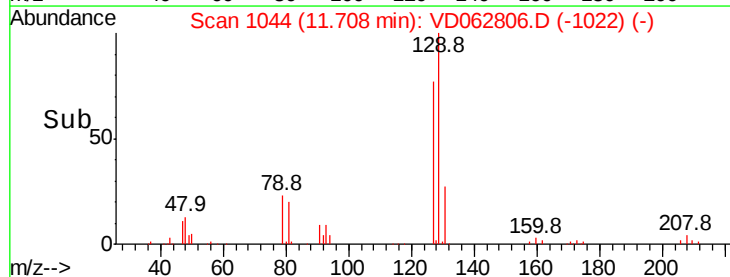
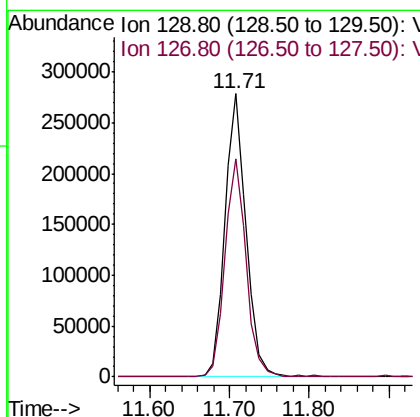
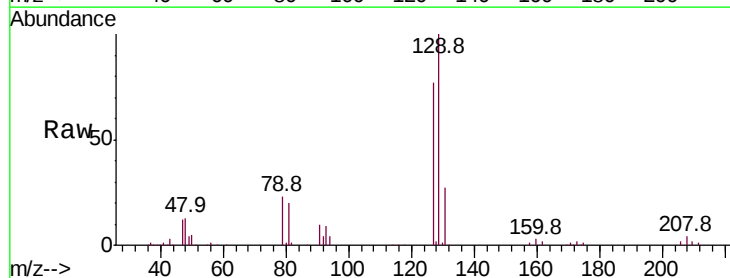
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

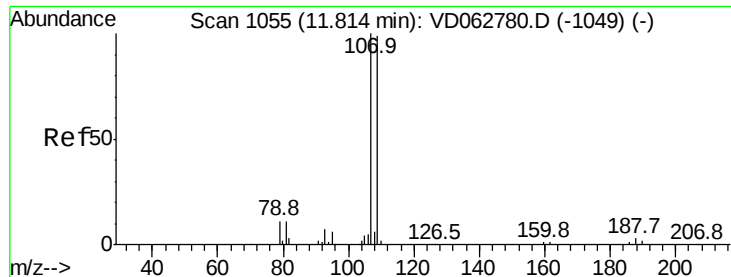
Tot Ion: 43 Resp: 883416
Ion Ratio Lower Upper
43 100
58 40.0 22.4 67.2



#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

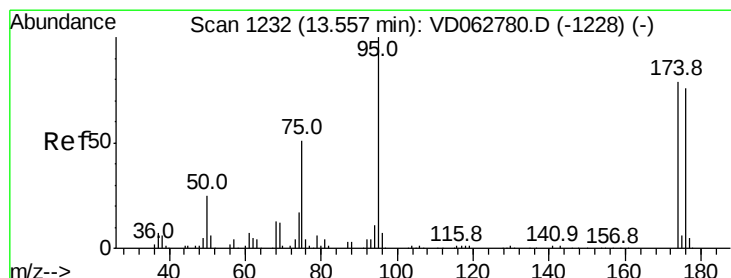
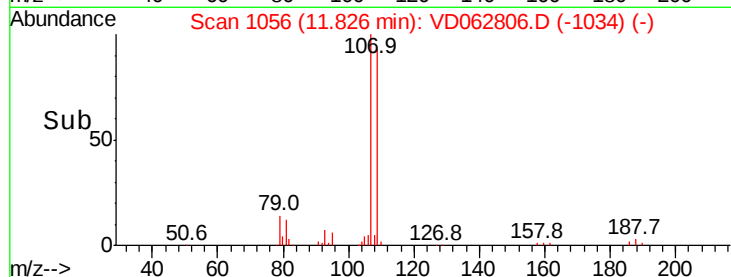
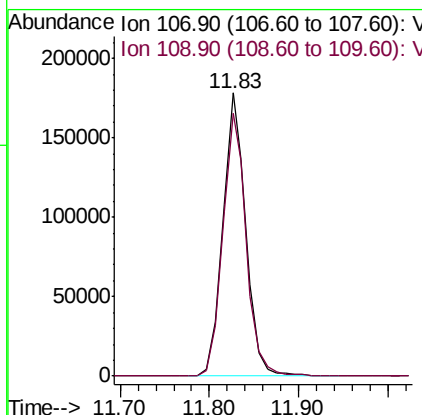
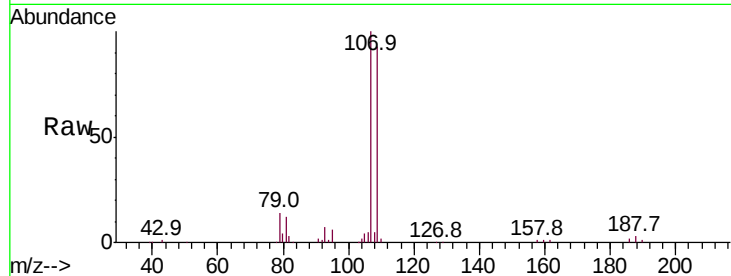




#61
 1,2-Dibromoethane
 Concen: 51.759 ug/l
 RT: 11.83 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

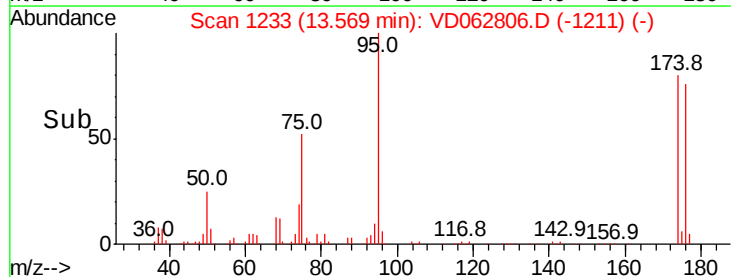
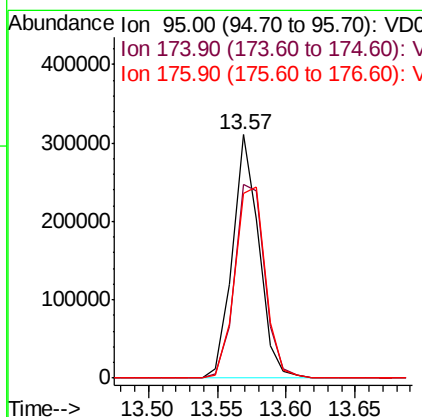
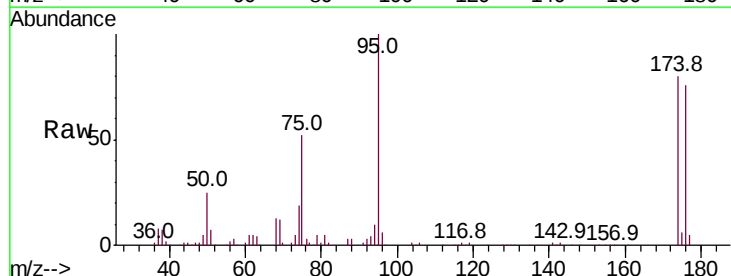
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

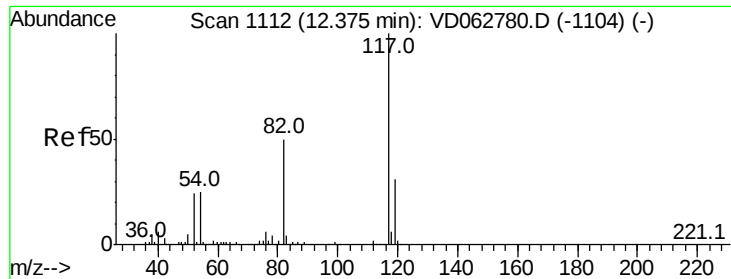
Tot Ion:107 Resp: 322189
 Ion Ratio Lower Upper
 107 100
 109 92.8 79.3 118.9



#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

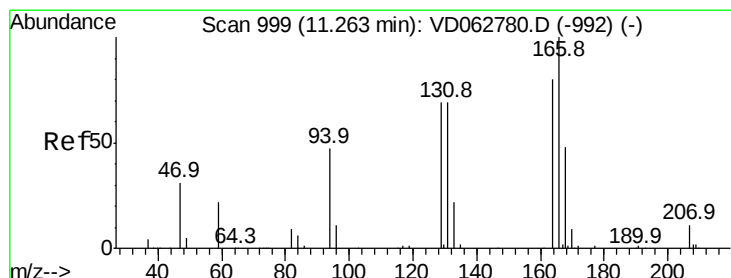
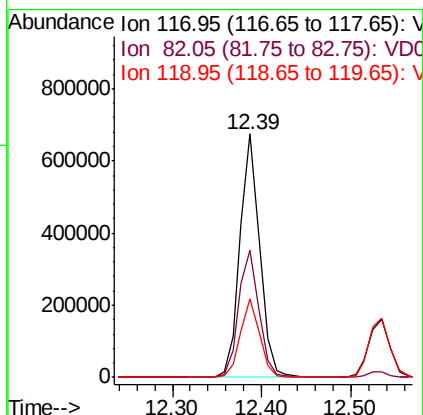
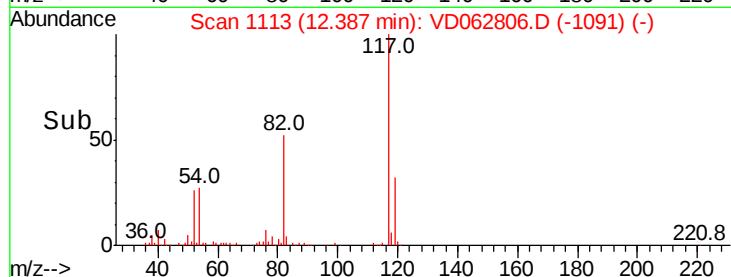
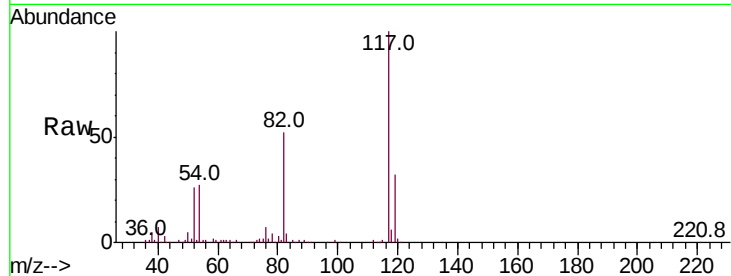




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

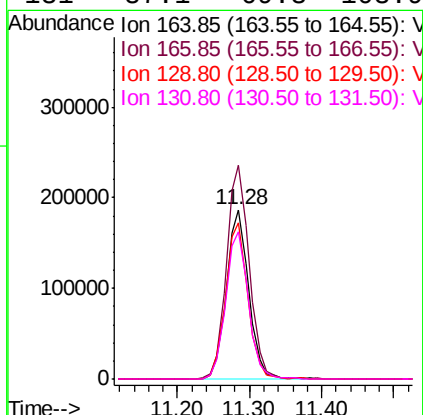
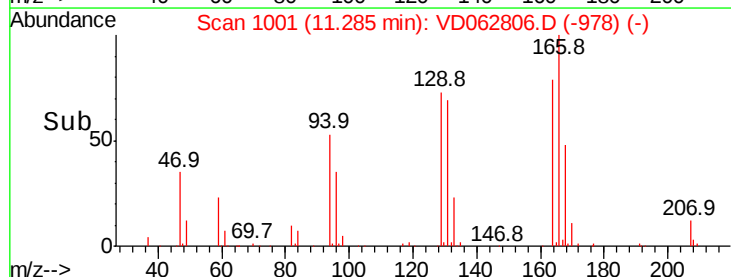
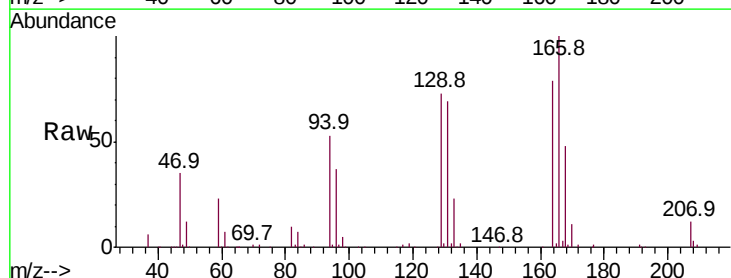
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

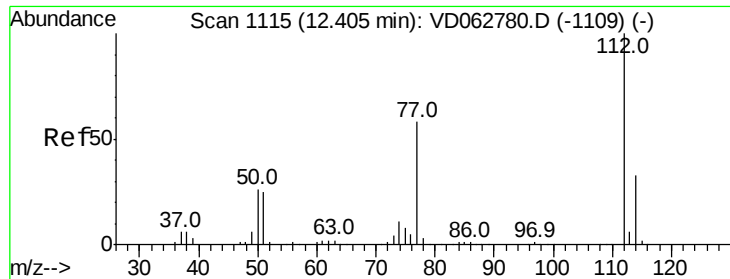
Tot Ion:117 Resp: 1045784
Ion Ratio Lower Upper
117 100
82 52.2 40.4 60.6
119 32.1 25.2 37.8



#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

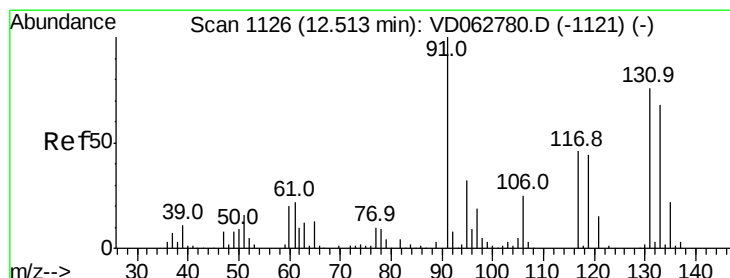
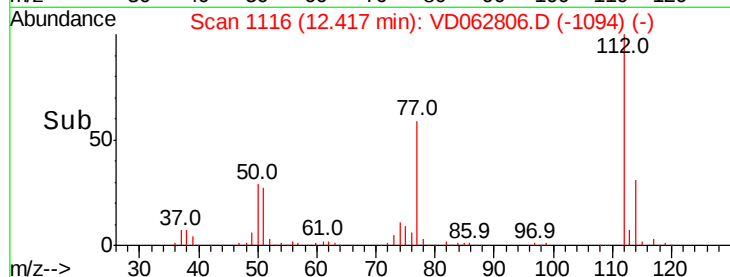
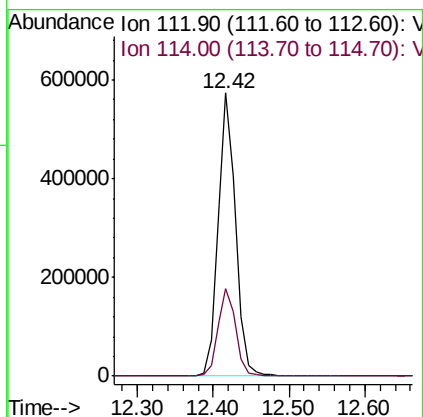
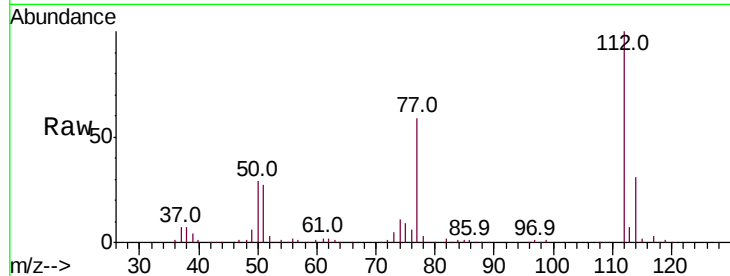




#65
Chlorobenzene
Concen: 47.847 ug/l
RT: 12.42 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062806.D
Acq: 21 Jun 2019 10:13

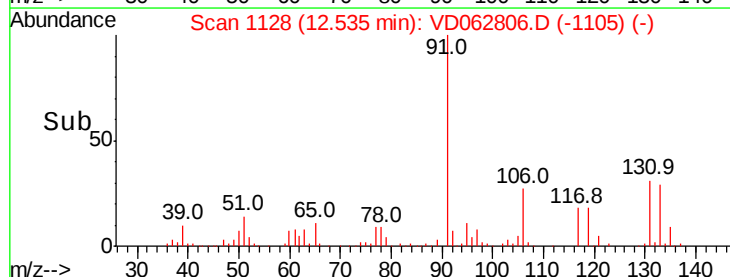
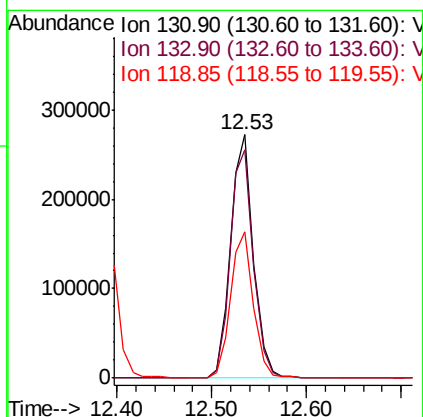
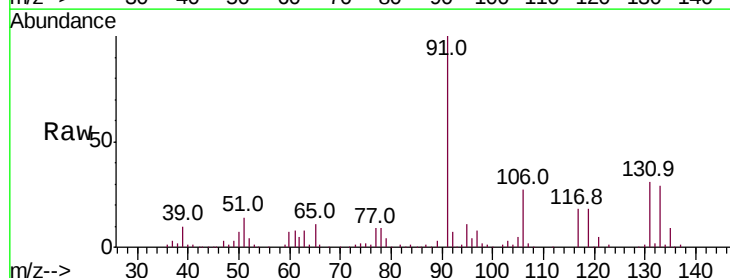
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

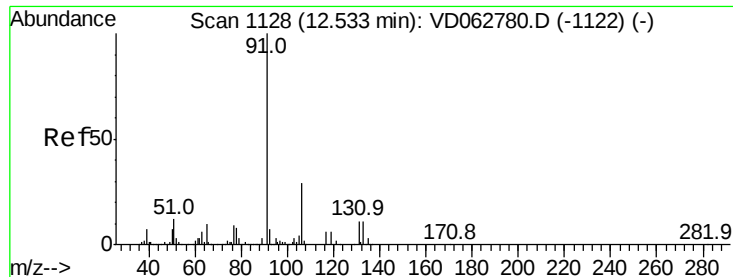
Tot Ion:112 Resp: 928649
Ion Ratio Lower Upper
112 100
114 31.1 26.3 39.5



#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 :

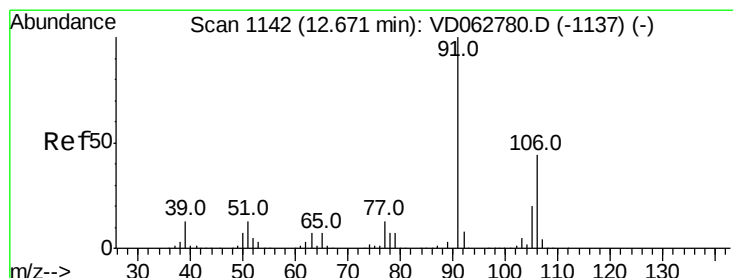
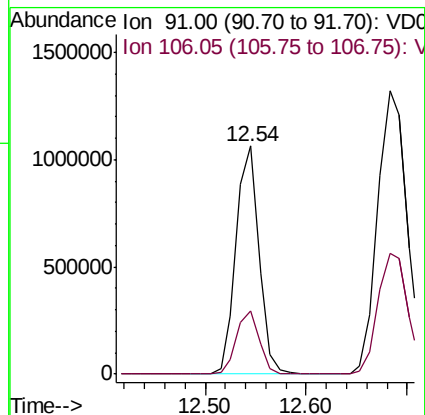
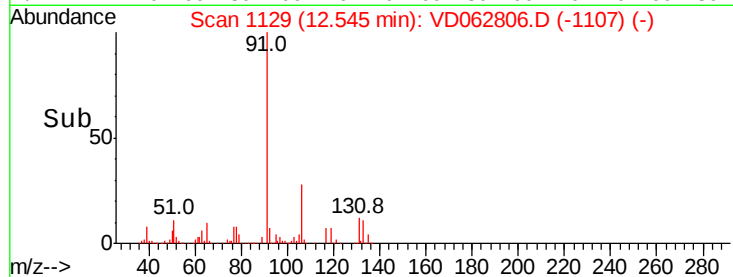
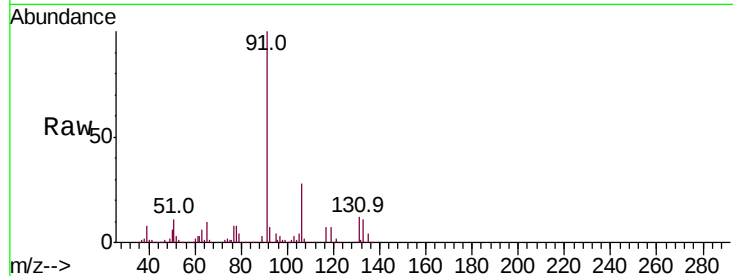
VSTDCCC050

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

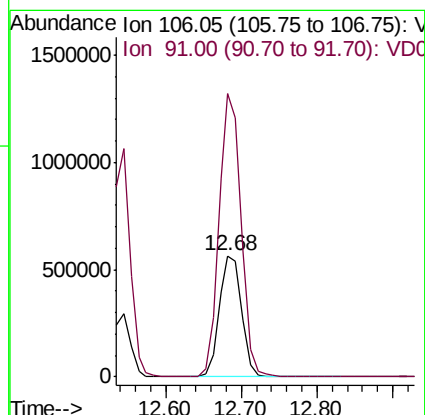
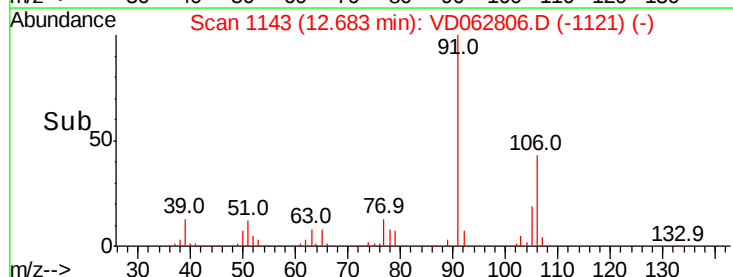
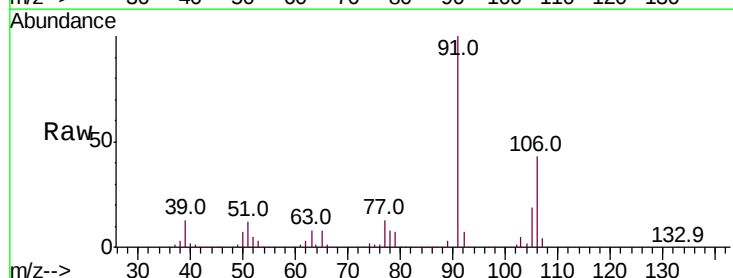
Acq: 21 Jun 2019 10:13

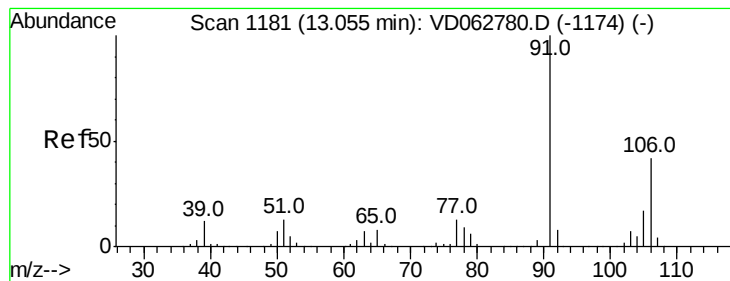
Tgt Ion: 106 Resp: 1159408

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 :

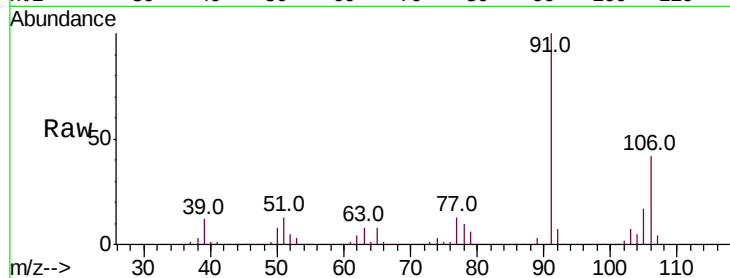
VSTDCCC050

Tot Ion:106 Resp: 576510

Ion Ratio Lower Upper

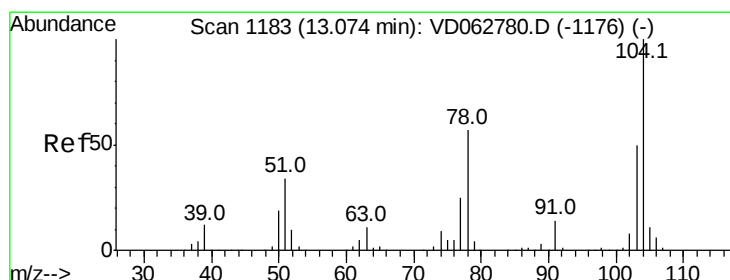
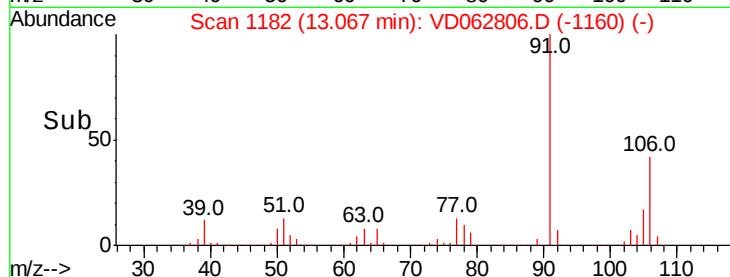
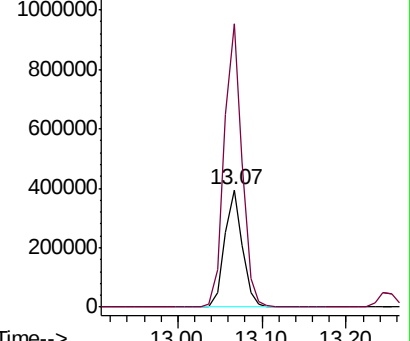
106 100

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): VDC



#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

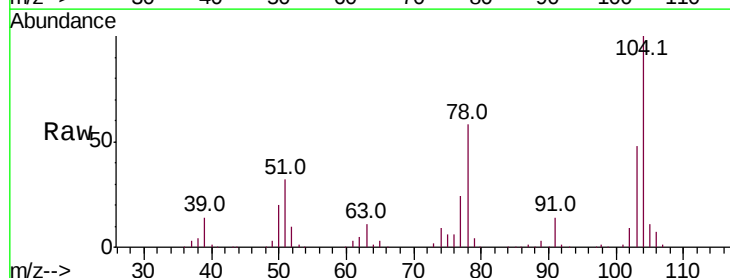
Tgt Ion:104 Resp: 992624

Ion Ratio Lower Upper

104 100

78 57.6 45.4 68.2

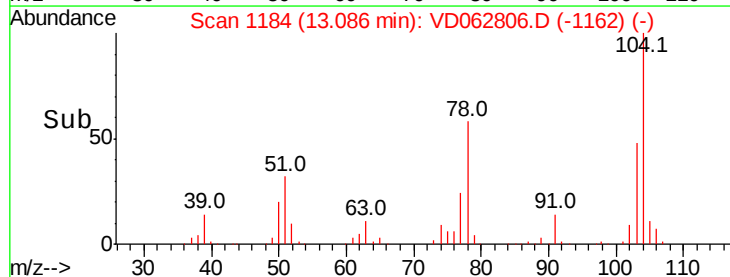
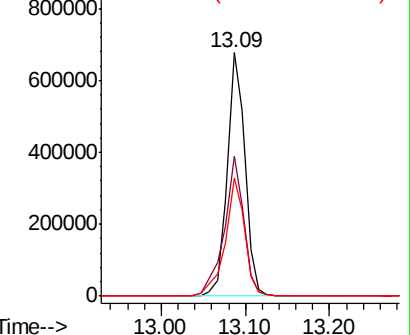
103 48.3 39.7 59.5

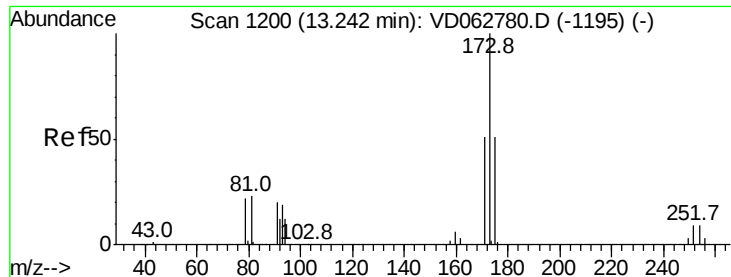


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

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

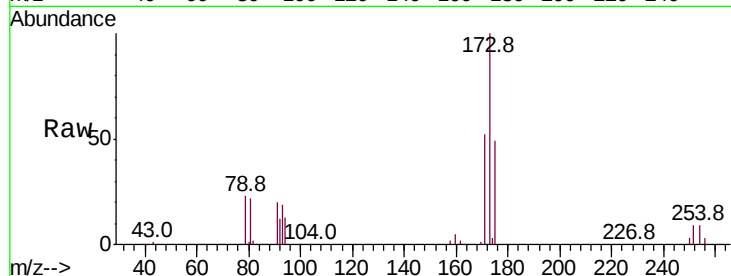
Tot Ion:173 Resp: 332372

Ion Ratio Lower Upper

173 100

175 49.5 25.3 75.9

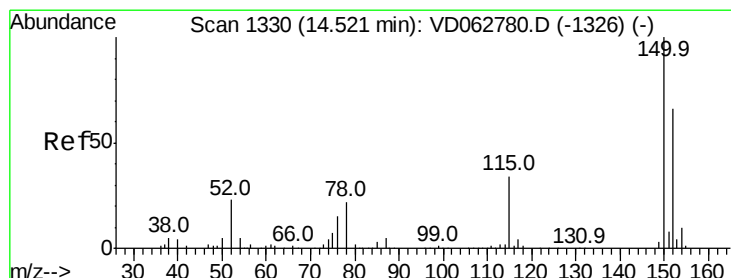
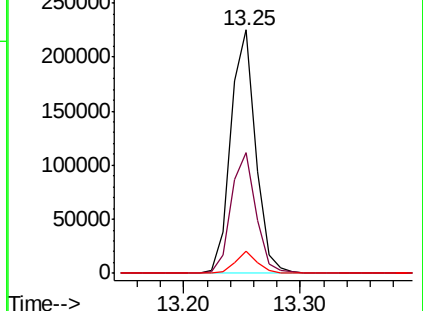
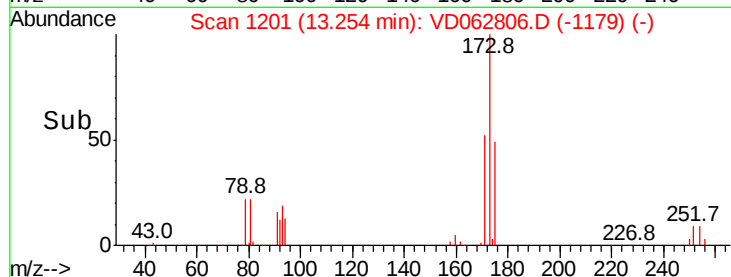
254 9.4 7.1 10.7



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

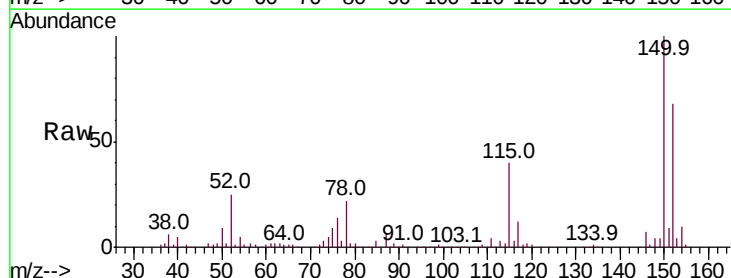
Tgt Ion:152 Resp: 599534

Ion Ratio Lower Upper

152 100

115 58.6 29.2 87.6

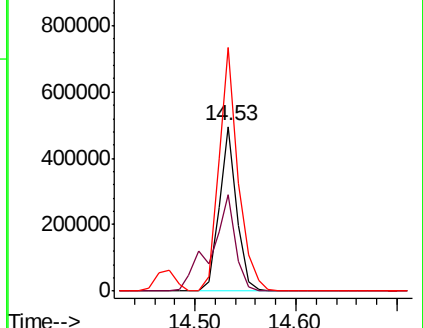
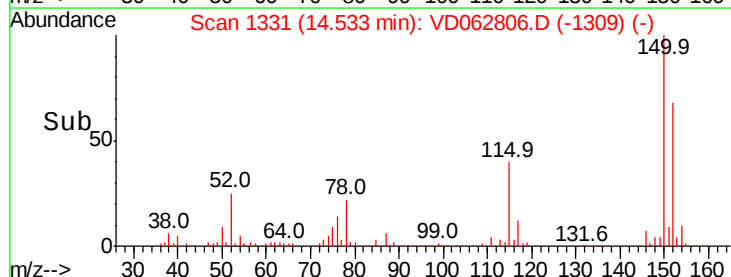
150 147.7 0.0 305.8

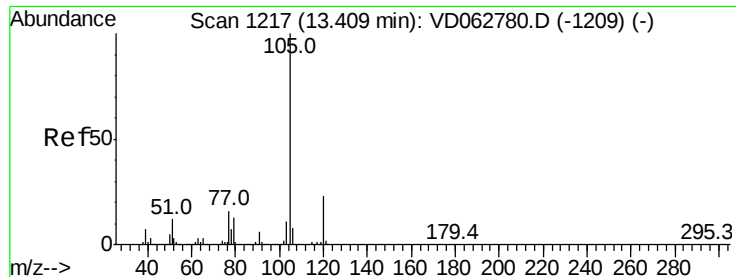


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

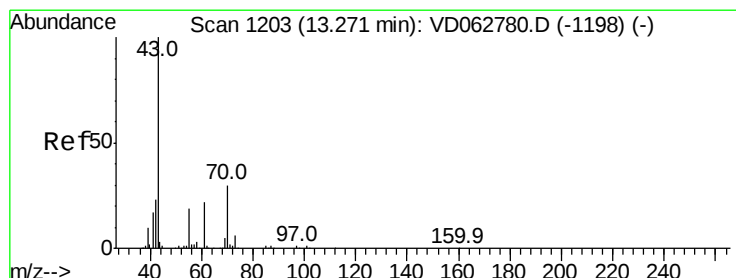
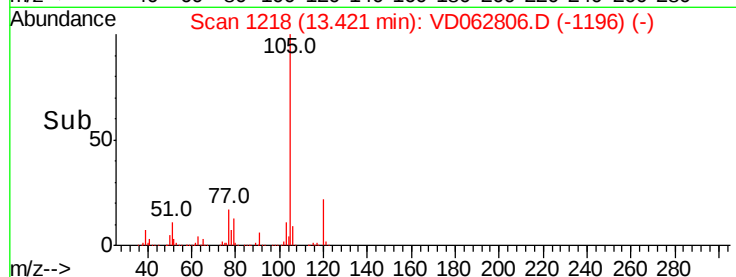
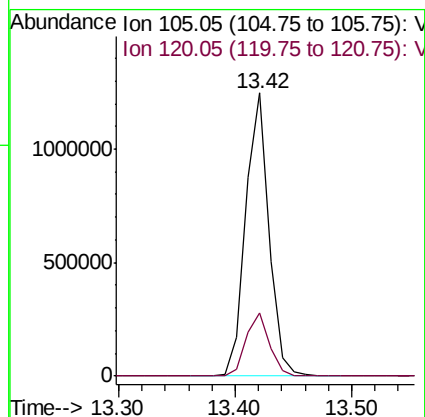
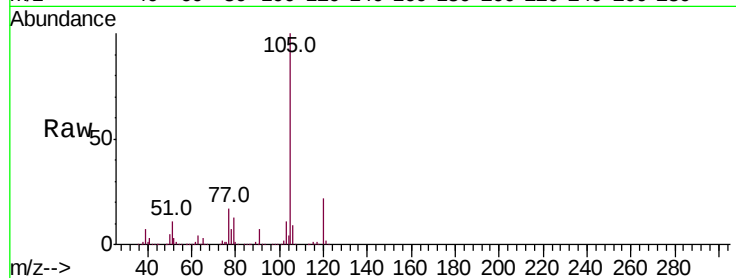
VSTDCCC050

Tot Ion:105 Resp: 1723055

Ion Ratio Lower Upper

105 100

120 22.5 11.6 34.7



#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

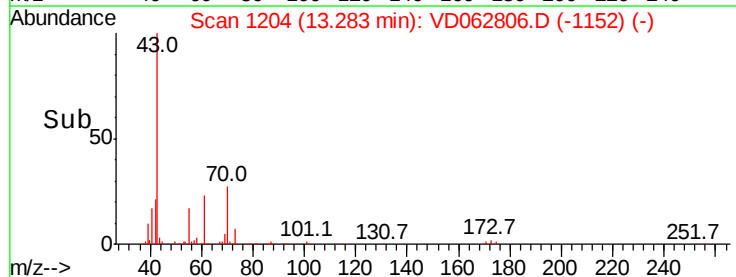
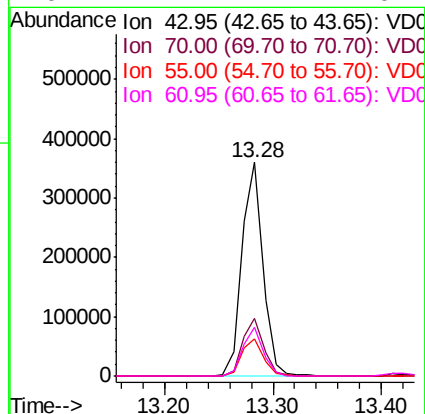
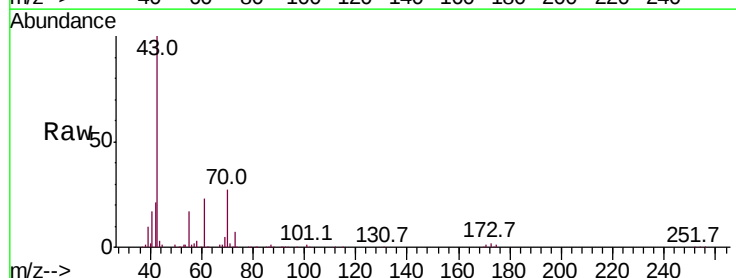
Ion Ratio Lower Upper

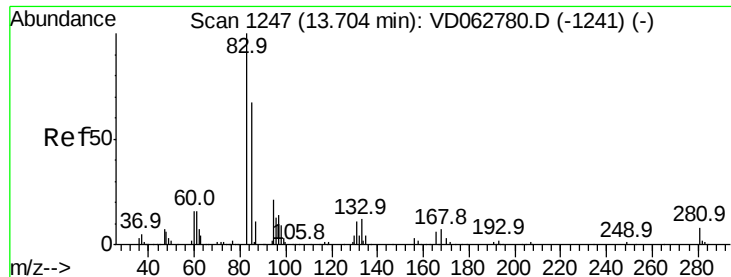
43 100

70 26.9 24.4 36.6

55 17.1 15.2 22.8

61 22.7 17.4 26.2





#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

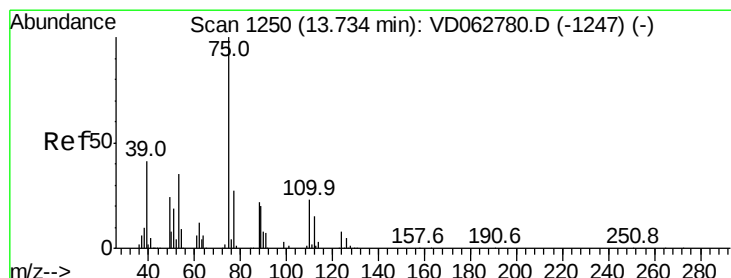
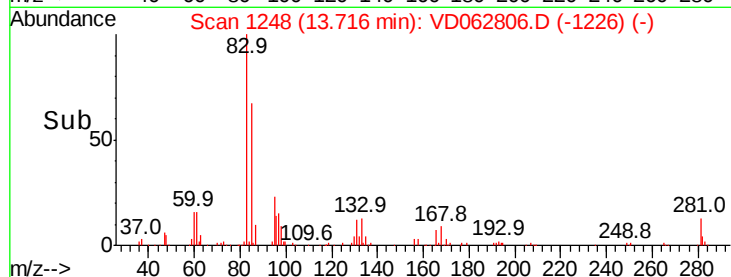
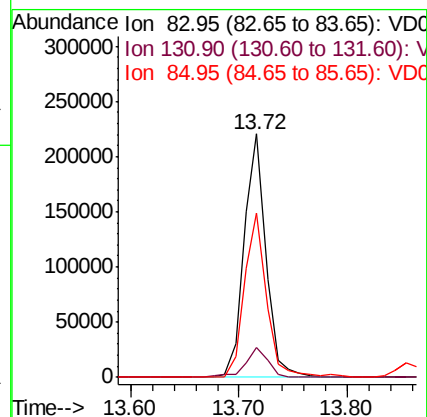
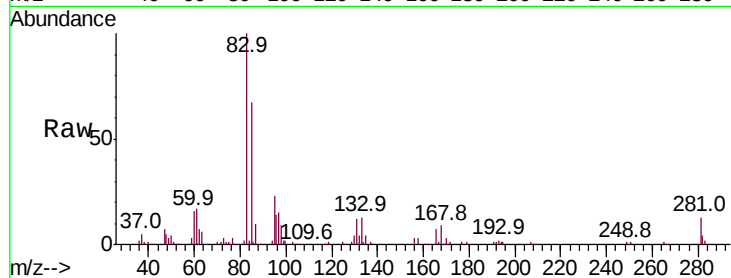
Tot Ion: 83 Resp: 308896

Ion Ratio Lower Upper

83 100

131 12.3 5.3 16.1

85 67.5 33.7 101.1



#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

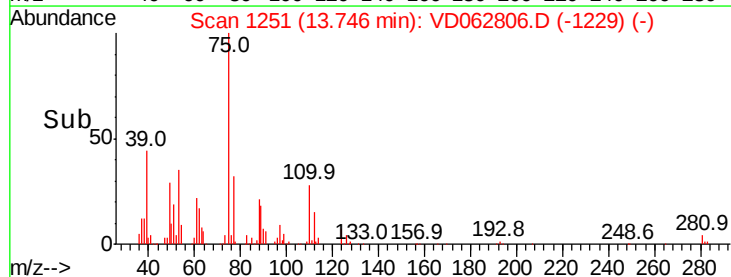
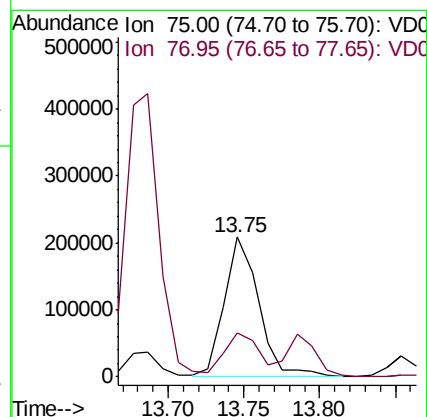
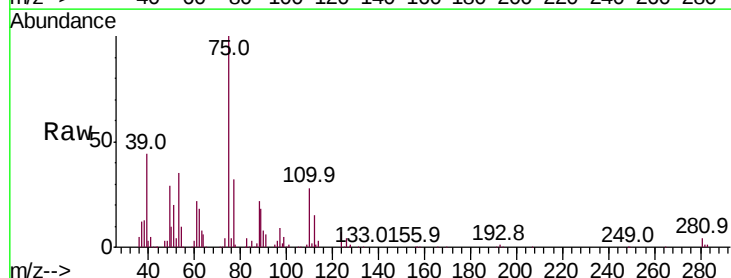
Acq: 21 Jun 2019 10:13

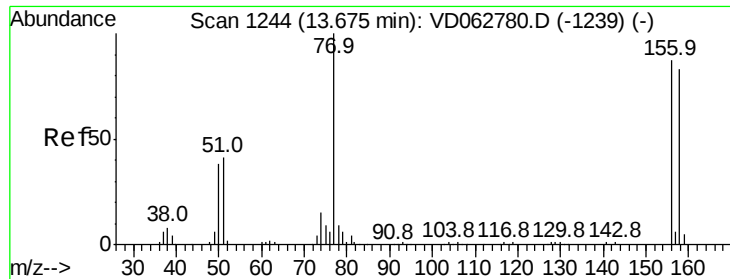
Tgt Ion: 75 Resp: 332393

Ion Ratio Lower Upper

75 100

77 31.6 15.0 45.1





#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

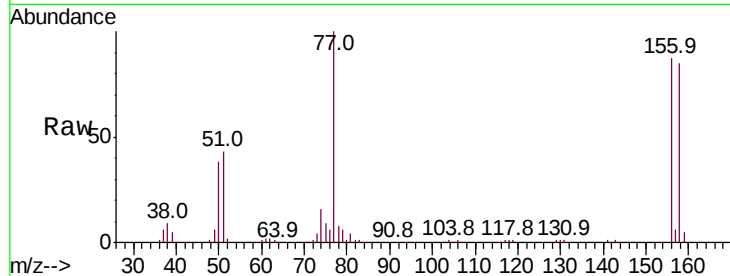
Tot Ion:156 Resp: 508880

Ion Ratio Lower Upper

156 100

77 115.2 57.7 173.1

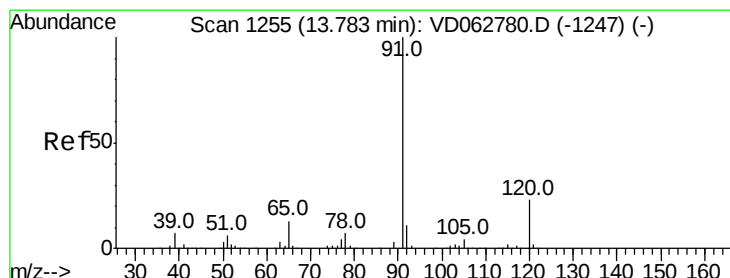
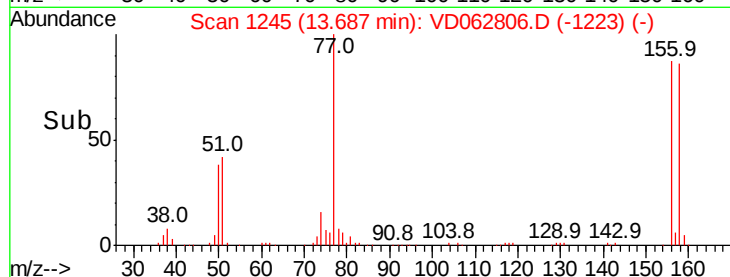
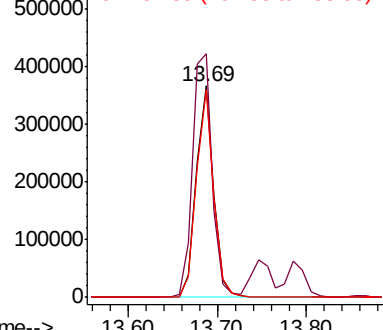
158 98.2 47.7 143.1



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

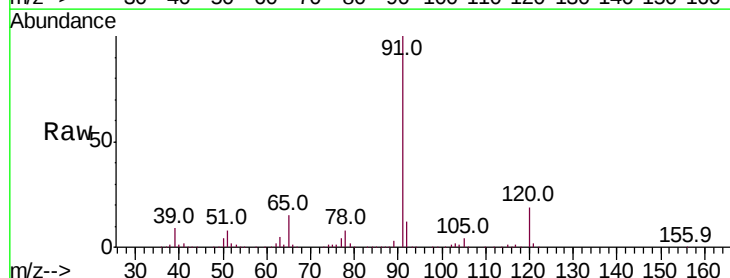
Acq: 21 Jun 2019 10:13

Tgt Ion: 91 Resp: 2067694

Ion Ratio Lower Upper

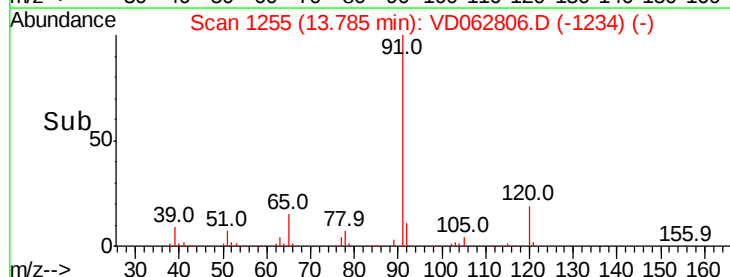
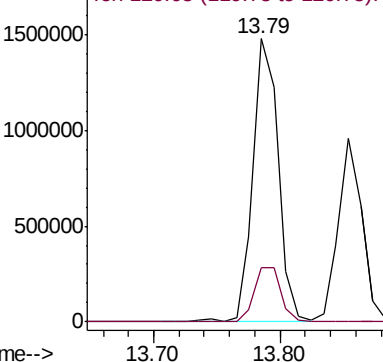
91 100

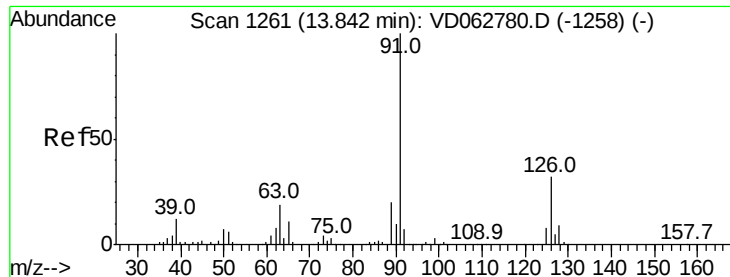
120 19.2 11.3 33.8



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 :

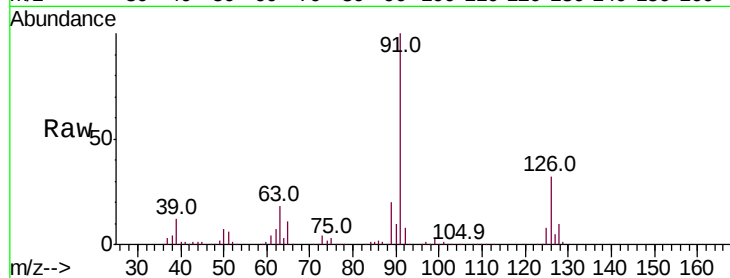
VSTDCCC050

Tot Ion: 91 Resp: 1245925

Ion Ratio Lower Upper

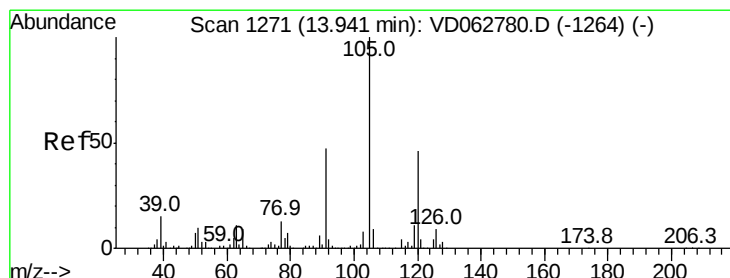
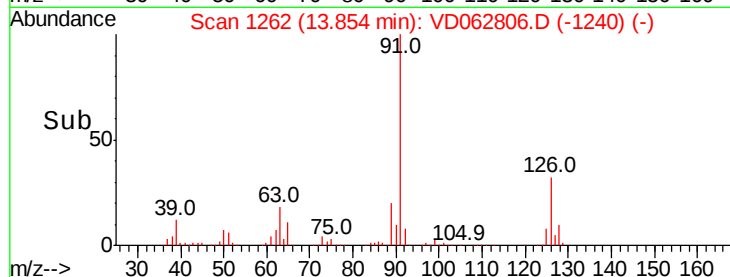
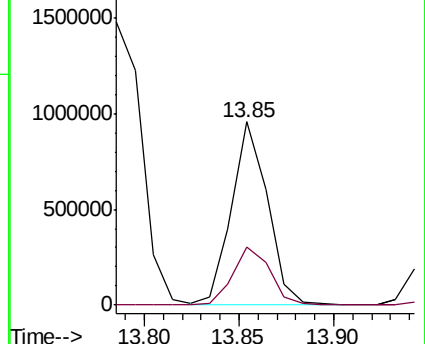
91 100

126 31.9 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#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

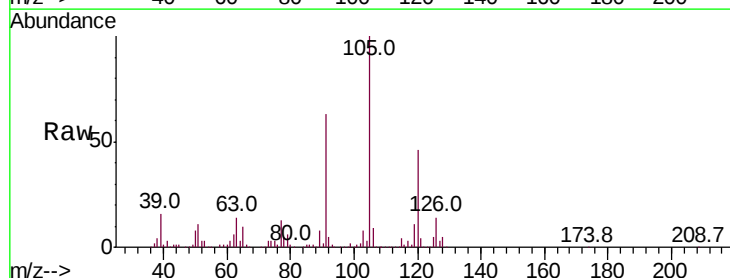
Acq: 21 Jun 2019 10:13

Tgt Ion:105 Resp: 1567644

Ion Ratio Lower Upper

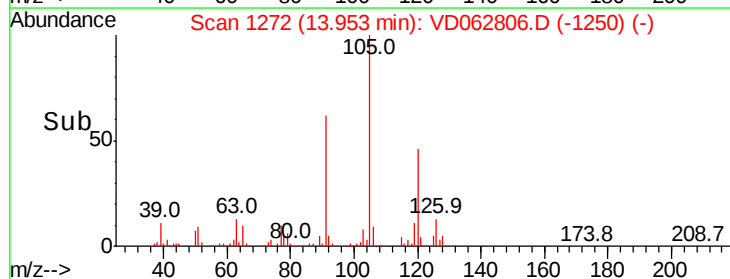
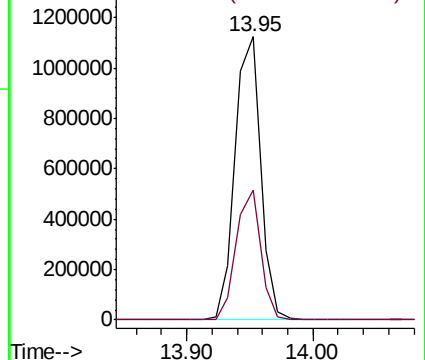
105 100

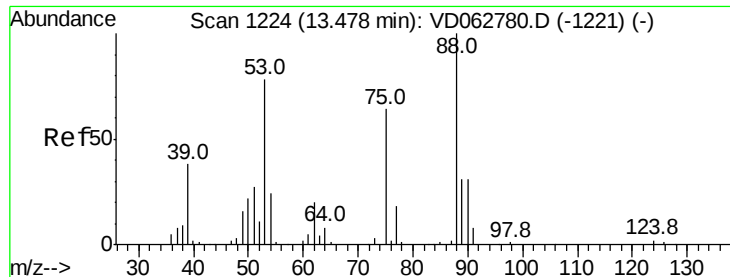
120 45.8 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#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

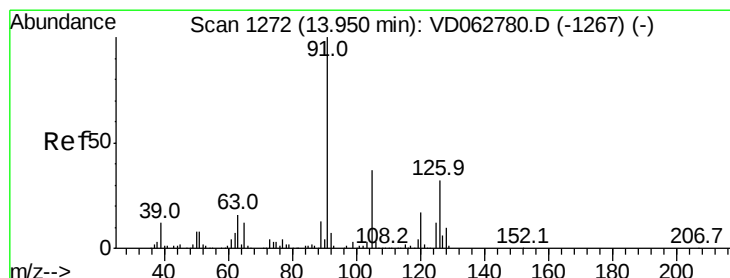
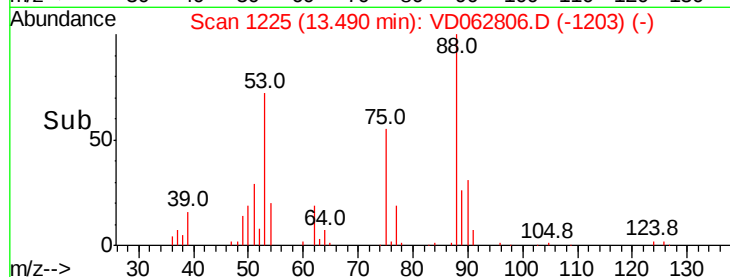
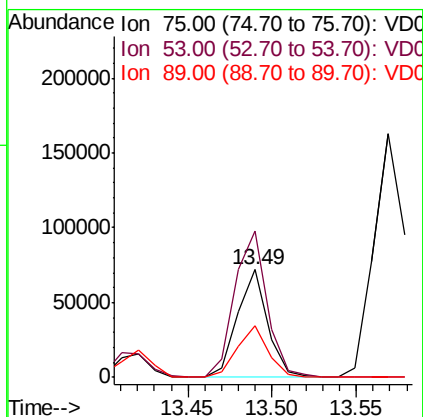
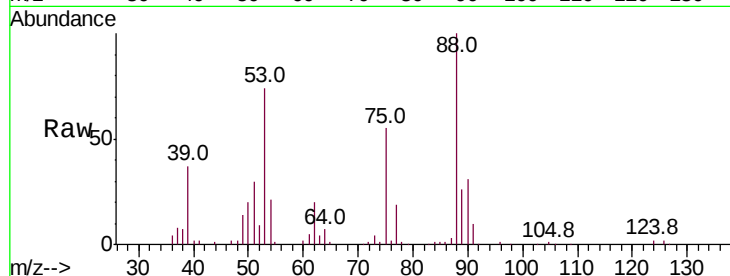
Tot Ion: 75 Resp: 89969

Ion Ratio Lower Upper

75 100

53 136.0 97.8 146.8

89 48.2 39.4 59.2



#82

4-Chlorotoluene

Concen: 47.711 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062806.D

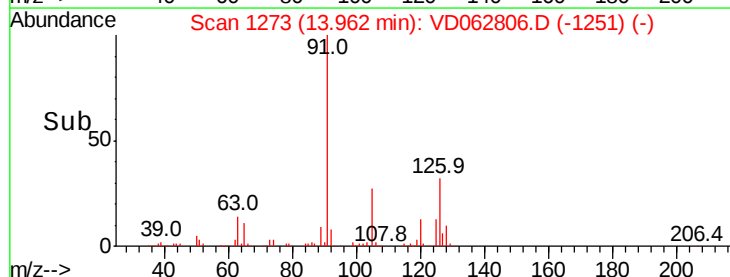
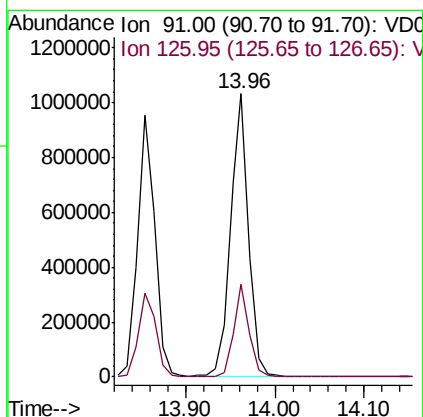
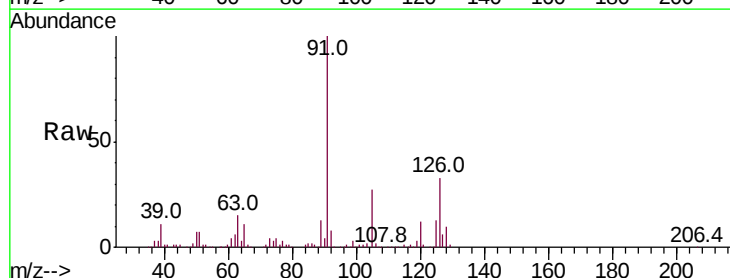
Acq: 21 Jun 2019 10:13

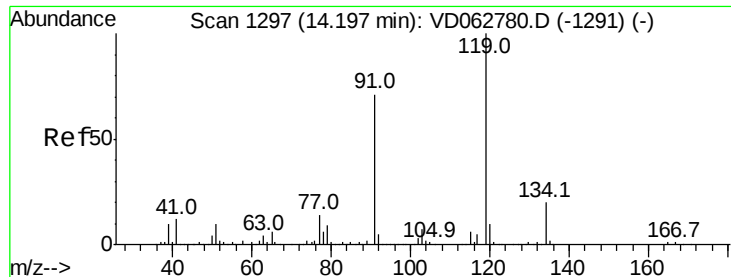
Tgt Ion: 91 Resp: 1468688

Ion Ratio Lower Upper

91 100

126 32.6 16.0 47.9





#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

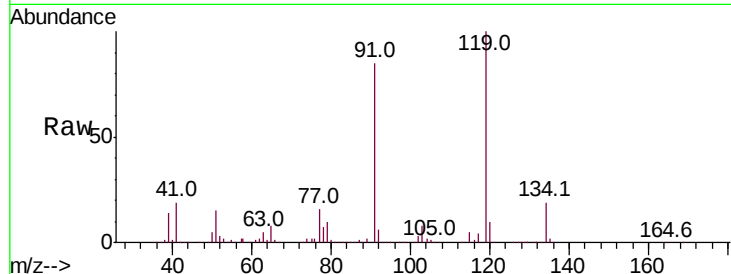
Tot Ion:119 Resp: 1663984

Ion Ratio Lower Upper

119 100

91 84.7 35.5 106.5

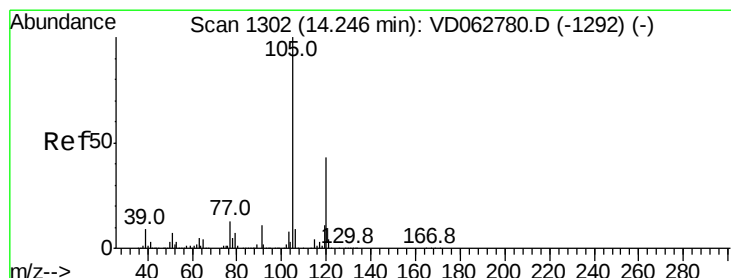
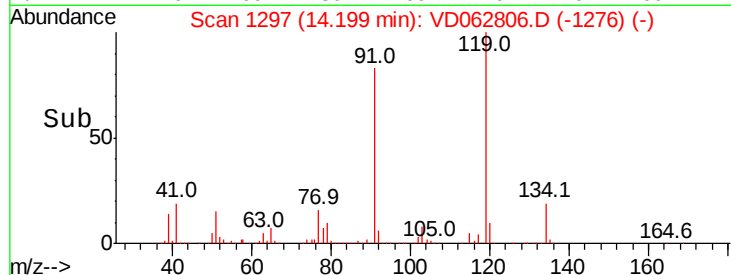
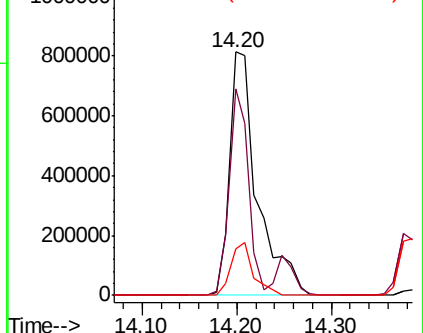
134 19.0 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.468 ug/l

RT: 14.25 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD062806.D

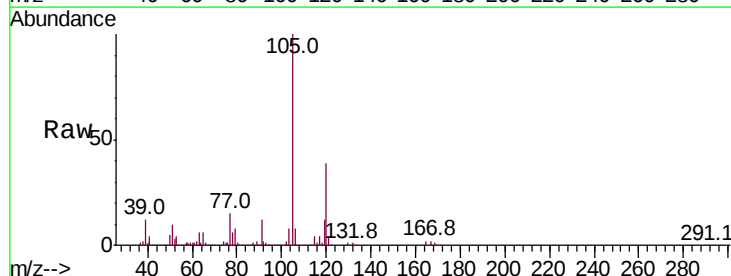
Acq: 21 Jun 2019 10:13

Tgt Ion:105 Resp: 1537836

Ion Ratio Lower Upper

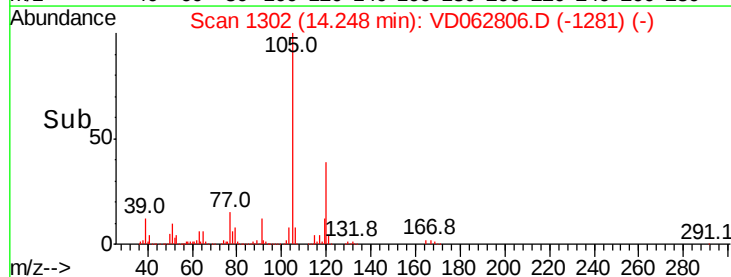
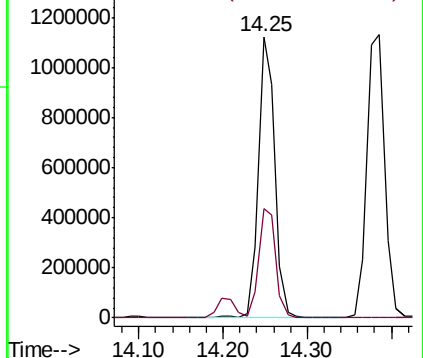
105 100

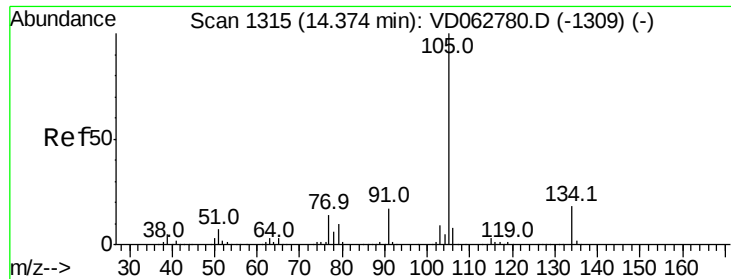
120 38.9 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

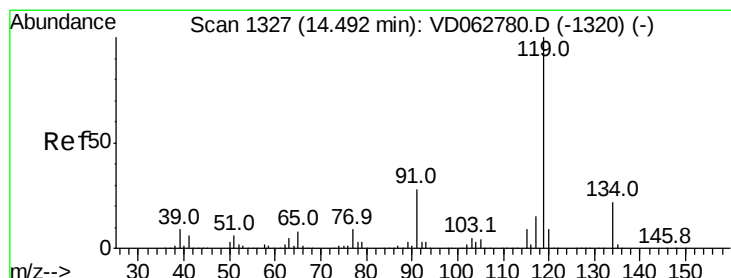
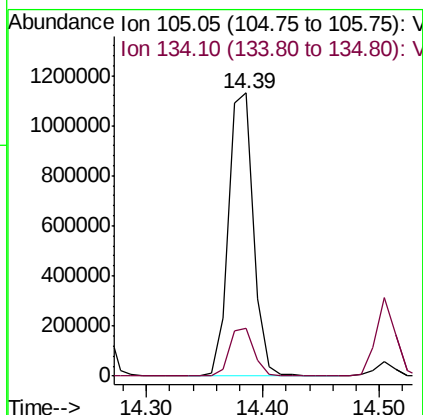
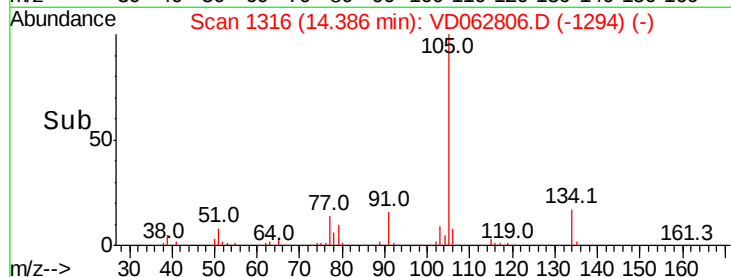
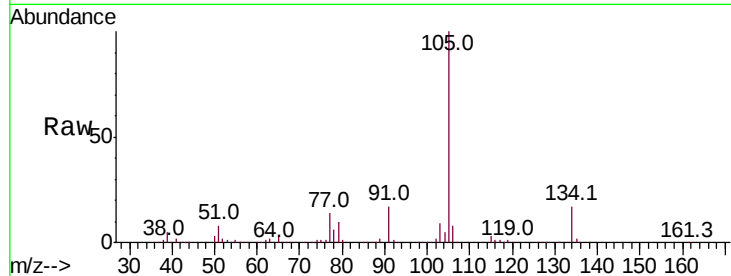




#85
 sec-Butylbenzene
 Concen: 42.553 ug/l
 RT: 14.39 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

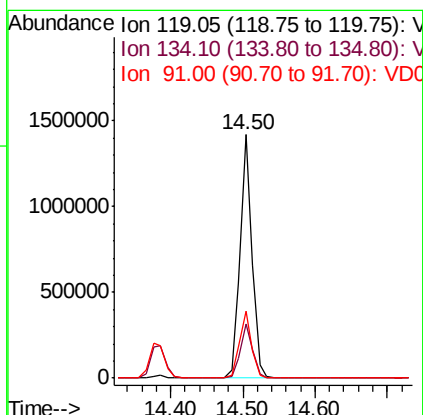
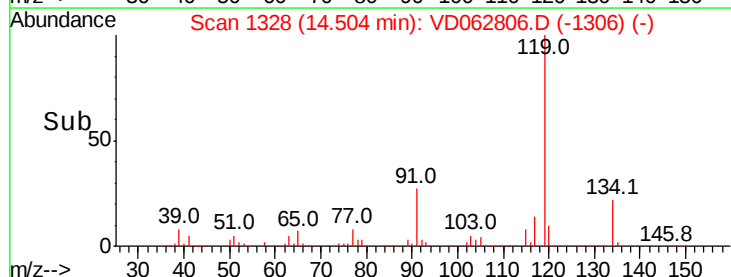
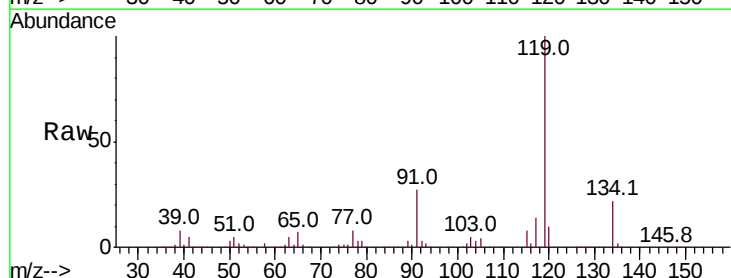
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

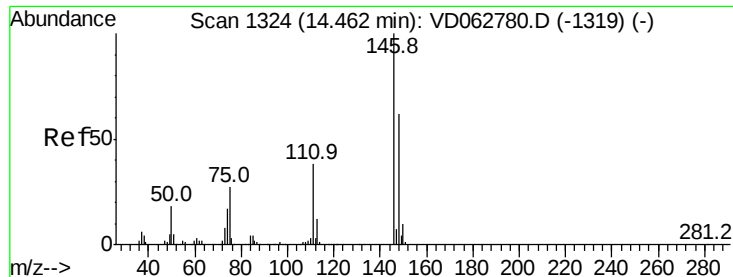
Tot Ion:105 Resp: 1664540
 Ion Ratio Lower Upper
 105 100
 134 16.9 9.1 27.3



#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

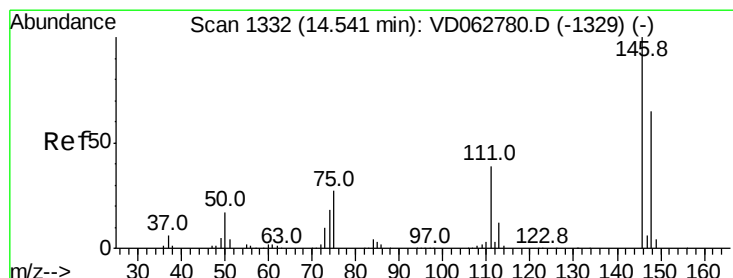
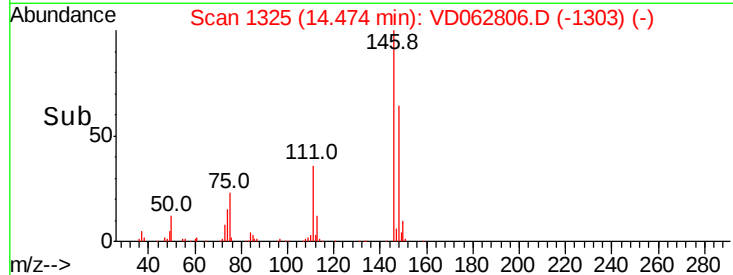
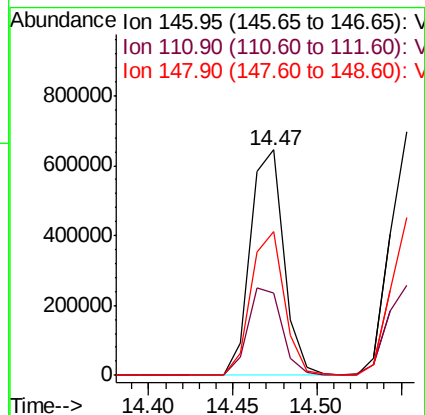
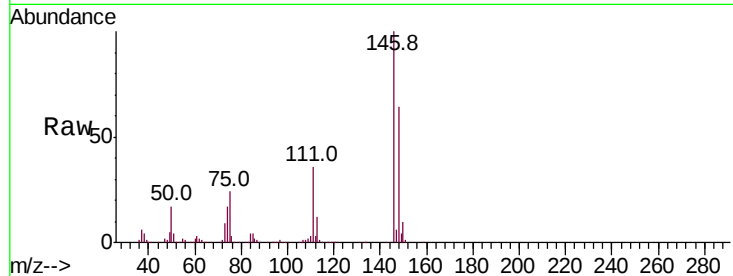




#87
 1,3-Dichlorobenzene
 Concen: 48.270 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

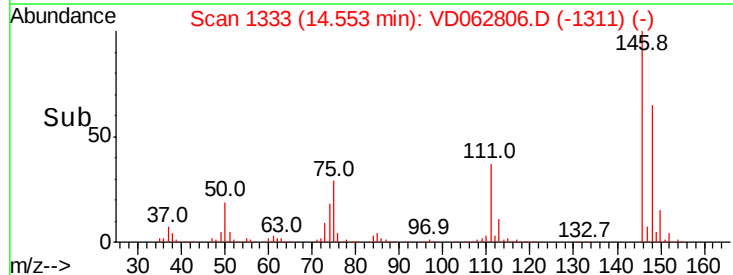
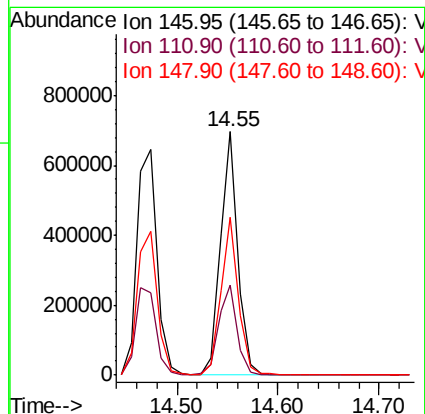
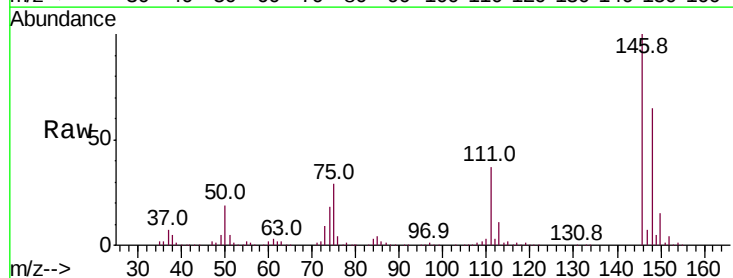
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

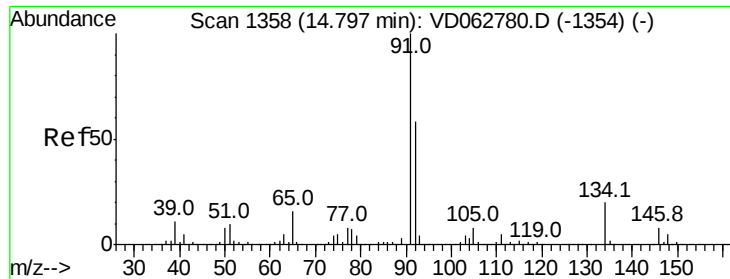
Tot Ion:146 Resp: 894648
 Ion Ratio Lower Upper
 146 100
 111 36.3 19.0 57.0
 148 63.8 30.8 92.3



#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:146 Resp: 840643
 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

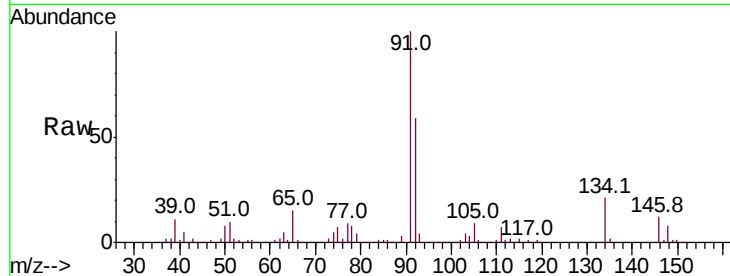
Tot Ion: 91 Resp: 1395094

Ion	Ratio	Lower	Upper
91	100		
92	59.0	28.9	86.7
134	21.0	10.1	30.3

91 100

92 59.0 28.9 86.7

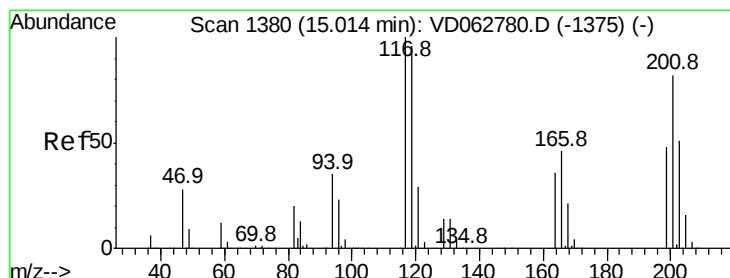
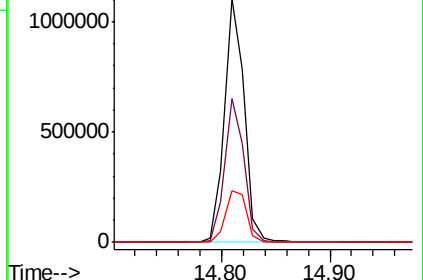
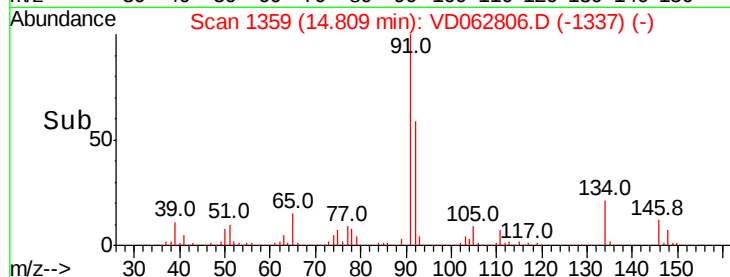
134 21.0 10.1 30.3



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): VDC



#90

Hexachloroethane

Concen: 47.651 ug/l

RT: 15.03 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062806.D

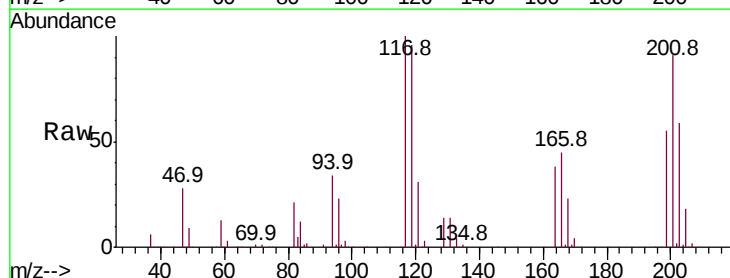
Acq: 21 Jun 2019 10:13

Tgt Ion: 117 Resp: 458492

Ion	Ratio	Lower	Upper
117	100		
201	91.5	40.8	122.2

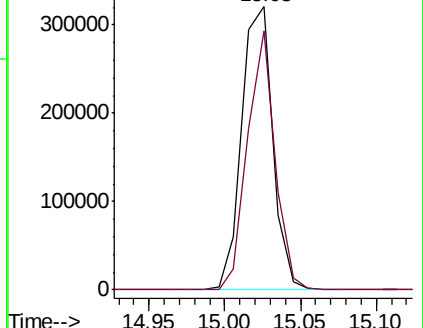
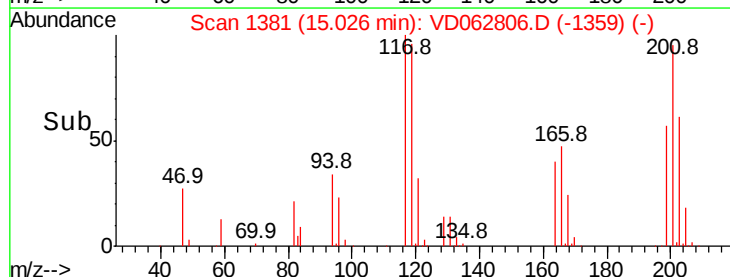
117 100

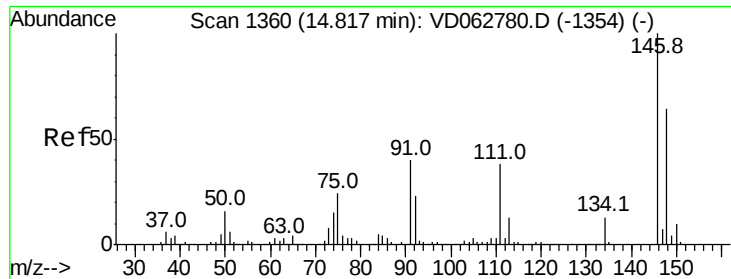
201 91.5 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

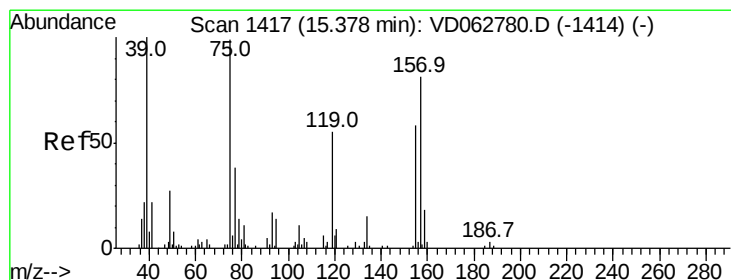
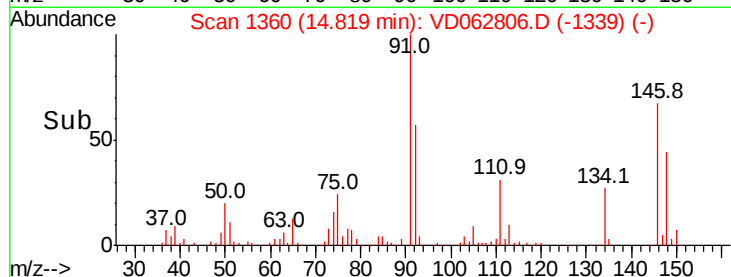
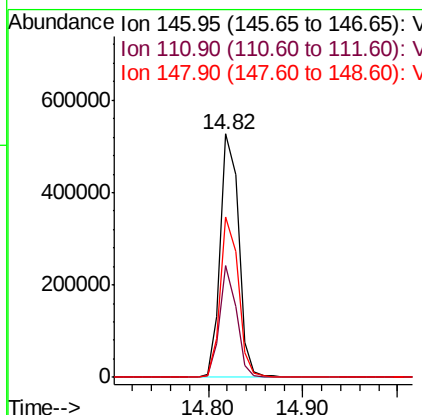
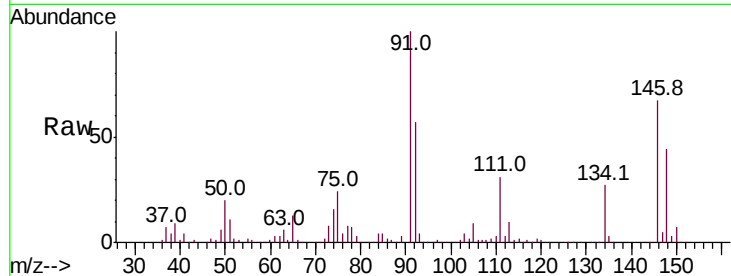




#91
 1,2-Dichlorobenzene
 Concen: 44.864 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

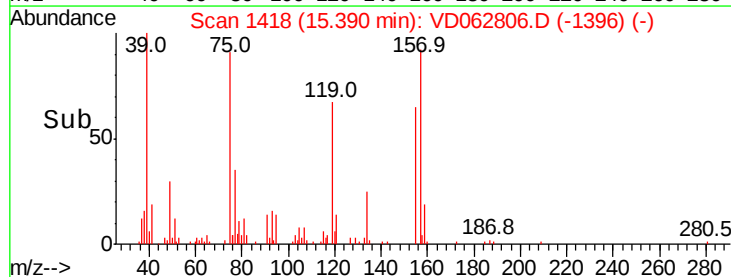
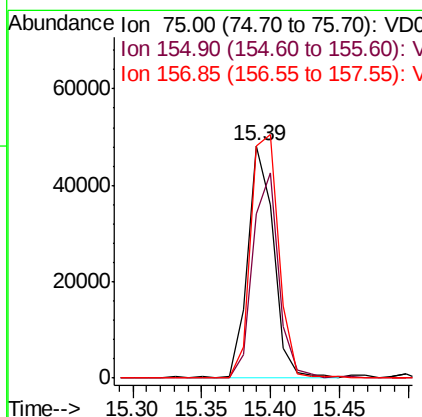
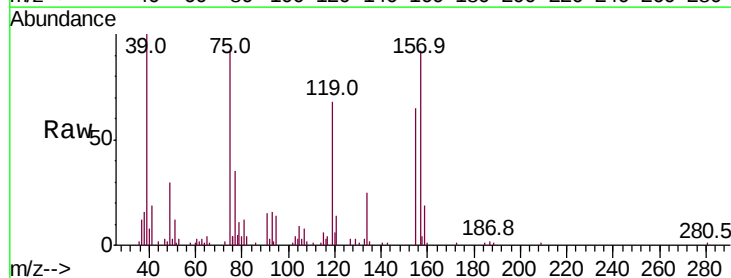
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

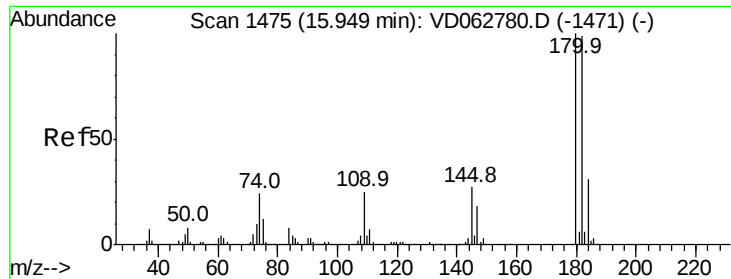
Tot Ion:146 Resp: 711427
 Ion Ratio Lower Upper
 146 100
 111 45.9 19.1 57.1
 148 65.8 32.3 96.8



#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

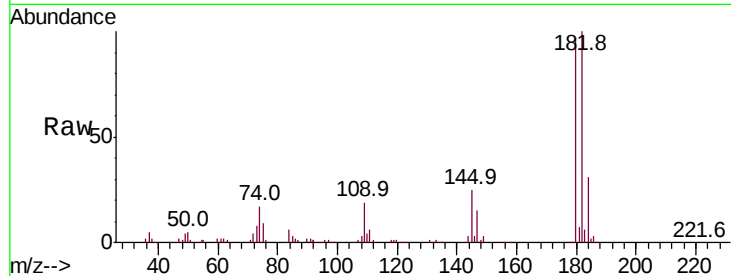




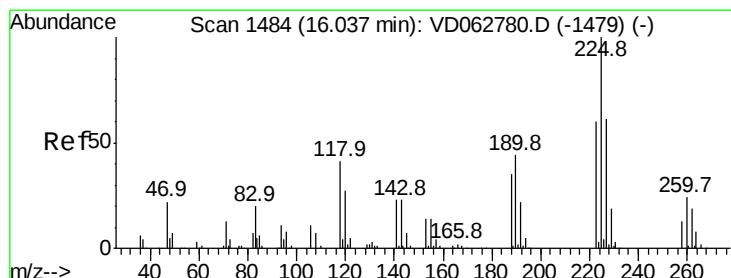
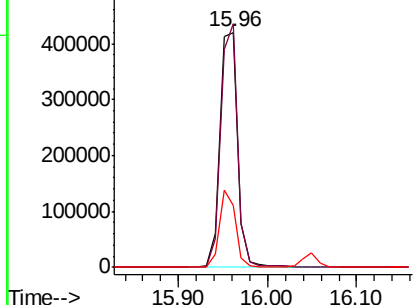
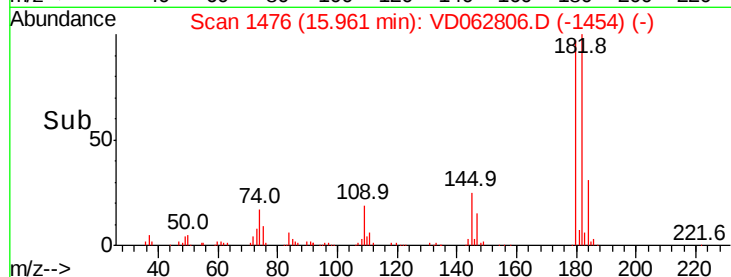
#93
 1,2,4-Trichlorobenzene
 Concen: 47.891 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

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

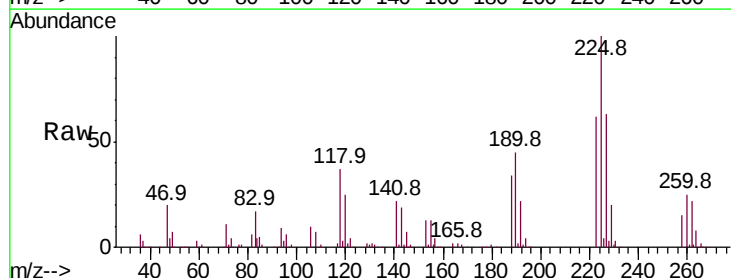


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

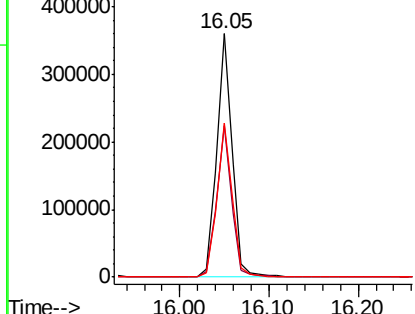
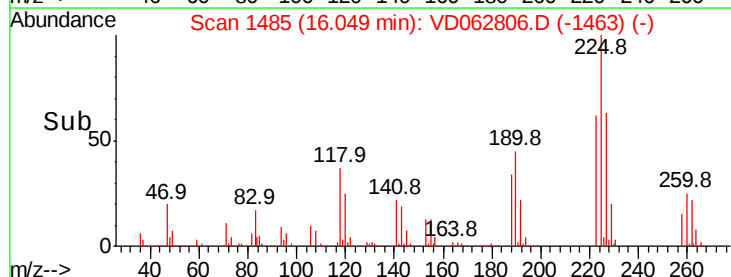


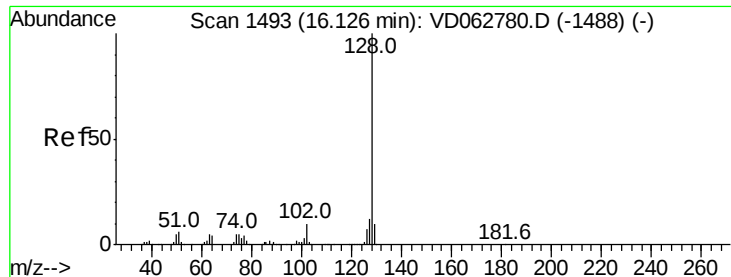
#94
 Hexachlorobutadiene
 Concen: 45.745 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062806.D
 Acq: 21 Jun 2019 10:13

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



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





#95

Naphthalene

Concen: 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 :

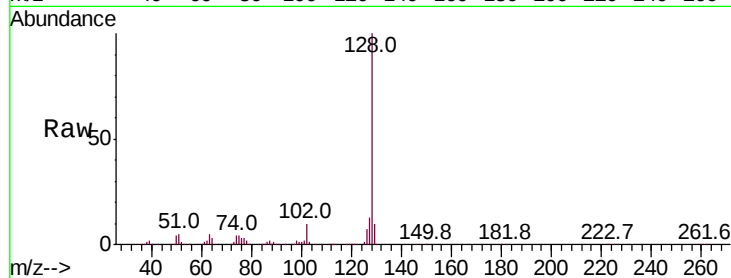
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 757595

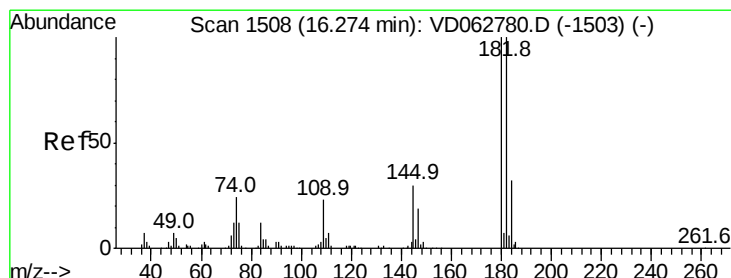
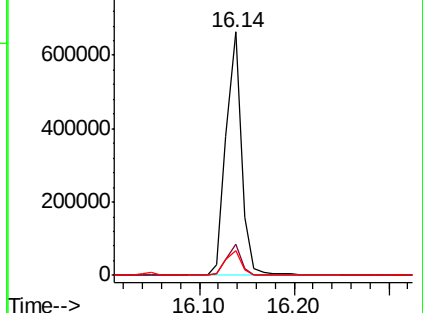
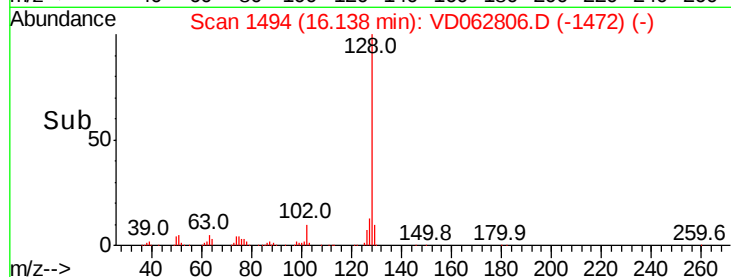
Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.7	14.5
129	9.9	8.3	12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.021 ug/l

RT: 16.29 min Scan# 1509

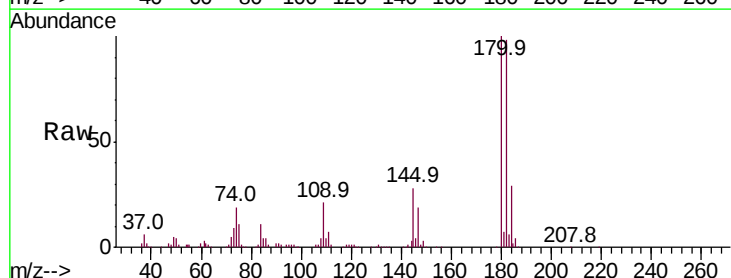
Delta R.T. 0.01 min

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



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

