

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062108.D
 Acq On : 2 May 2019 13:15
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 03 01:15:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	566787	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	825847	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	734160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	345117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	241665	54.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.96%	
35) Dibromofluoromethane	6.91	113	342918	60.04	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	120.08%	
50) Toluene-d8	10.40	98	826235	60.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	121.58%	
62) 4-Bromofluorobenzene	13.55	95	302114	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	230227	45.490	ug/l	98
3) Chloromethane	1.75	50	169490	39.403	ug/l	94
4) Vinyl Chloride	1.84	62	177608	45.556	ug/l	96
5) Bromomethane	2.14	94	51585	50.380	ug/l	95
6) Chloroethane	2.26	64	74480	52.849	ug/l	97
7) Trichlorofluoromethane	2.52	101	320102	54.302	ug/l	99
8) Diethyl Ether	2.86	74	72919	46.154	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.13	101	279126	51.402	ug/l	94
10) Methyl Iodide	3.29	142	381428	46.528	ug/l	99
11) Tert butyl alcohol	4.04	59	66850	266.721	ug/l	98
12) 1,1-Dichloroethene	3.11	96	221105	47.859	ug/l	99
13) Acrolein	3.02	56	55570	213.689	ug/l	97
14) Allyl chloride	3.61	41	334219	52.979	ug/l	97
15) Acrylonitrile	4.18	53	204014	262.869	ug/l	95
16) Acetone	3.20	43	306378	289.259	ug/l	97
17) Carbon Disulfide	3.36	76	673614	50.457	ug/l	100
18) Methyl Acetate	3.62	43	105973	55.402	ug/l	95
19) Methyl tert-butyl Ether	4.22	73	452290	49.342	ug/l	96
20) Methylene Chloride	3.80	84	263690	51.216	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	258767	48.825	ug/l	100
22) Diisopropyl ether	5.09	45	774988	52.618	ug/l	95
23) Vinyl Acetate	5.03	43	2167005	282.524	ug/l	99
24) 1,1-Dichloroethane	4.97	63	434571	48.817	ug/l	99
25) 2-Butanone	6.05	43	363490	283.052	ug/l	97
26) 2,2-Dichloropropane	6.01	77	419621	54.032	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	313090	51.929	ug/l	99
28) Bromochloromethane	6.42	49	177945	52.242	ug/l	100
29) Tetrahydrofuran	6.43	42	154623	244.367	ug/l	99
30) Chloroform	6.65	83	499104	49.361	ug/l	100
31) Cyclohexane	6.94	56	336530	50.931	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	457601	52.014	ug/l	100
36) 1,1-Dichloropropene	7.13	75	350451	54.467	ug/l	98
37) Ethyl Acetate	6.17	43	152471	55.609	ug/l	95
38) Carbon Tetrachloride	7.10	117	448889m	55.057	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	313151	49.329	ug/l	95
40) Benzene	7.45	78	864229	54.255	ug/l	99
41) Methacrylonitrile	6.43	41	183856	57.470	ug/l #	92
42) 1,2-Dichloroethane	7.56	62	302946	56.013	ug/l	99
43) Isopropyl Acetate	9.23	43	208851	52.132	ug/l	99
44) Trichloroethene	8.53	130	322712	52.257	ug/l	98
45) 1,2-Dichloropropane	8.92	63	225318	55.758	ug/l	96
46) Dibromomethane	9.05	93	155154	53.359	ug/l	90
47) Bromodichloromethane	9.37	83	382244	55.635	ug/l	100
48) Methyl methacrylate	9.11	41	122667	53.666	ug/l	99
49) 1,4-Dioxane	9.07	88	26862	1090.026	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	660638	269.643	ug/l	100
52) Toluene	10.50	92	477239	46.988	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	347200	60.205	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	399260	56.922	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	185596	54.430	ug/l	98
56) Ethyl methacrylate	11.03	69	204277	54.092	ug/l	97
57) 1,3-Dichloropropane	11.39	76	272116	51.671	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	471610	268.604	ug/l	97
59) 2-Hexanone	11.52	43	519221	282.510	ug/l	97
60) Dibromochloromethane	11.68	129	303277	53.754	ug/l	98
61) 1,2-Dibromoethane	11.80	107	227268	56.187	ug/l	100
64) Tetrachloroethene	11.25	164	248638	47.476	ug/l	98
65) Chlorobenzene	12.39	112	669976	48.294	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	282953	48.083	ug/l	98
67) Ethyl Benzene	12.52	91	1066978	47.121	ug/l	99
68) m/p-Xylenes	12.66	106	790201	96.556	ug/l	98
69) o-Xylene	13.05	106	367807	49.119	ug/l	96
70) Styrene	13.07	104	633276	48.979	ug/l	100
71) Bromoform	13.22	173	176352	52.565	ug/l	97
73) Isopropylbenzene	13.40	105	1058530	45.980	ug/l	98
74) N-amyl acetate	13.26	43	287497	48.491	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	210467	46.652	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	206283	47.070	ug/l	100
77) Bromobenzene	13.67	156	310797	47.061	ug/l	97
78) n-propylbenzene	13.77	91	1208943	45.873	ug/l	97
79) 2-Chlorotoluene	13.84	91	745515	46.702	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	846836	46.132	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	58543	44.082	ug/l	99
82) 4-Chlorotoluene	13.94	91	800964	45.561	ug/l	95
83) tert-Butylbenzene	14.19	119	905642	42.588	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	889198	50.731	ug/l	96
85) sec-Butylbenzene	14.37	105	1068366	46.497	ug/l	97
86) p-Isopropyltoluene	14.48	119	940798	45.750	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	504760	43.645	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	526934	48.720	ug/l	96
89) n-Butylbenzene	14.79	91	890899	48.256	ug/l	95
90) Hexachloroethane	15.01	117	279641	50.290	ug/l	83
91) 1,2-Dichlorobenzene	14.81	146	469122	49.175	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	32061	48.201	ug/l	82

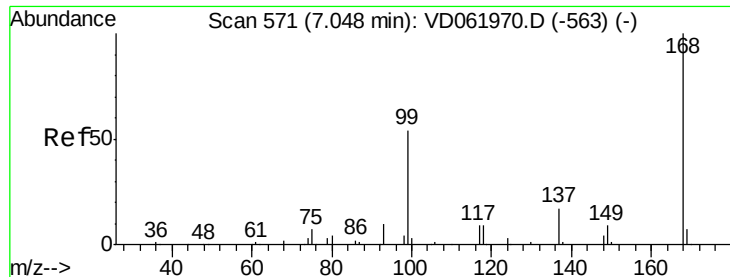
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	285905	55.544	ug/l	94
94) Hexachlorobutadiene	16.03	225	201277	52.840	ug/l	98
95) Naphthalene	16.12	128	429322	51.657	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	169529	58.047	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

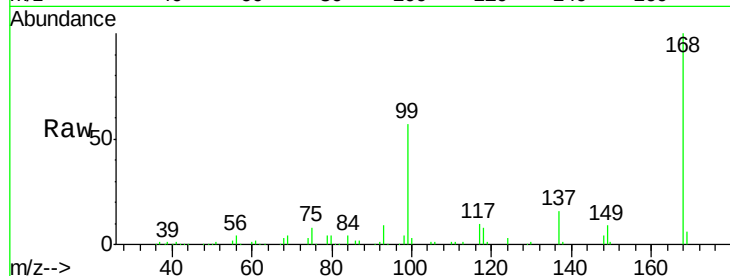
VSTDCCC050

Tot Ion:168 Resp: 566787

Ion Ratio Lower Upper

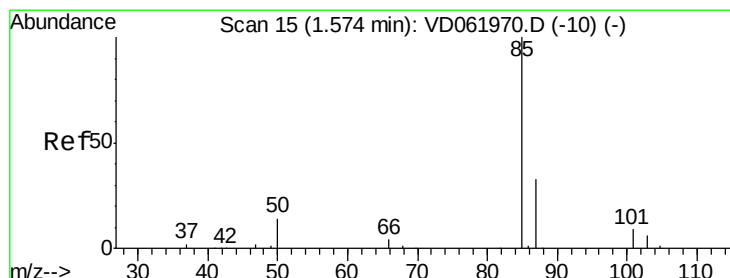
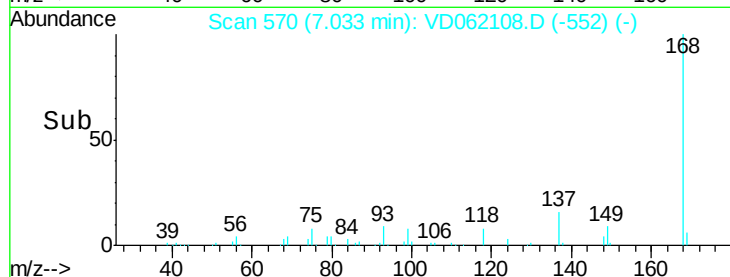
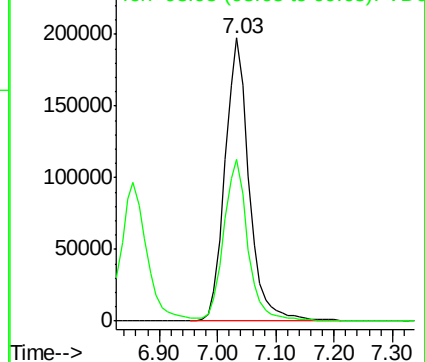
168 100

99 57.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.490 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD062108.D

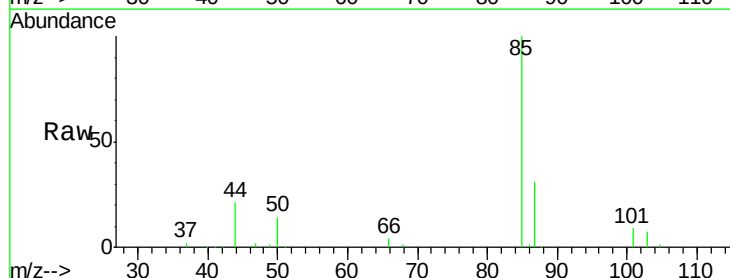
Acq: 2 May 2019 13:15

Tgt Ion: 85 Resp: 230227

Ion Ratio Lower Upper

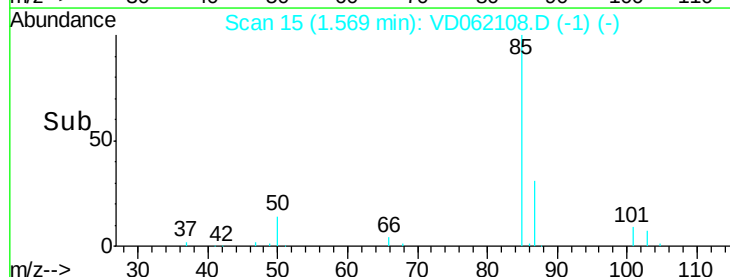
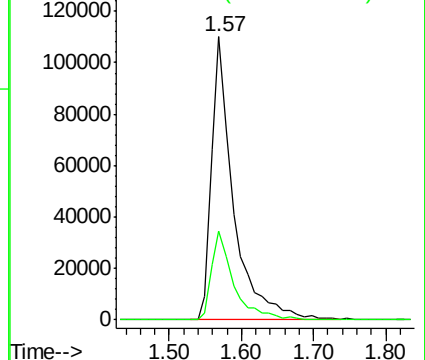
85 100

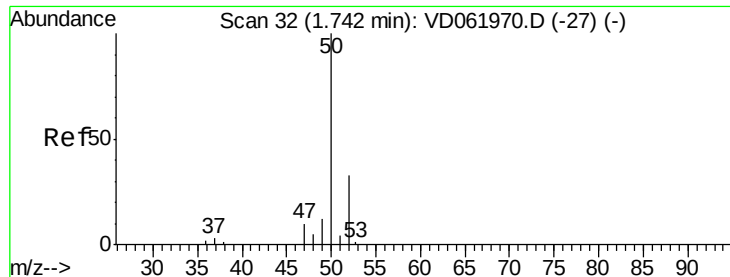
87 31.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.403 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

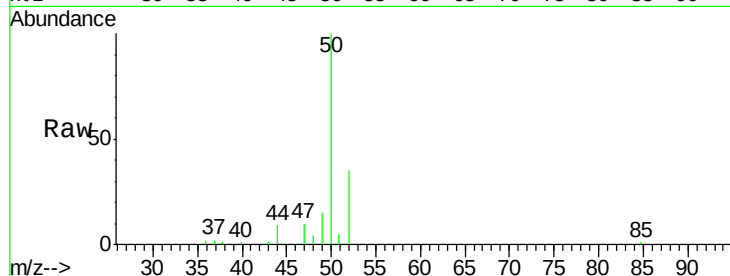
VSTDCCC050

Tot Ion: 50 Resp: 169490

Ion Ratio Lower Upper

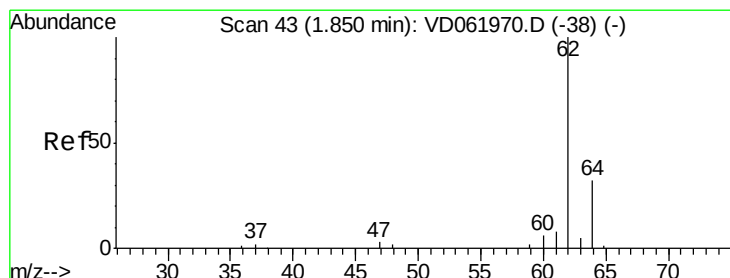
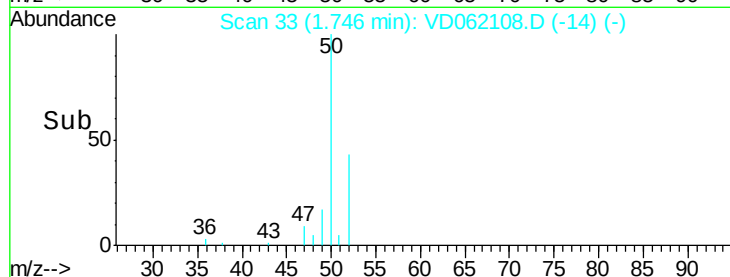
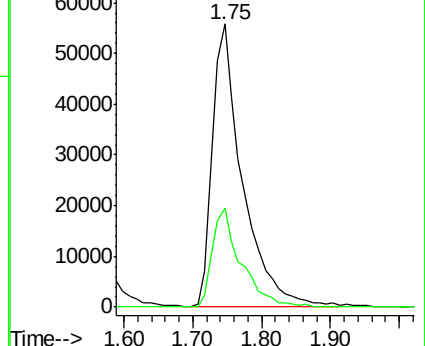
50 100

52 34.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.556 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062108.D

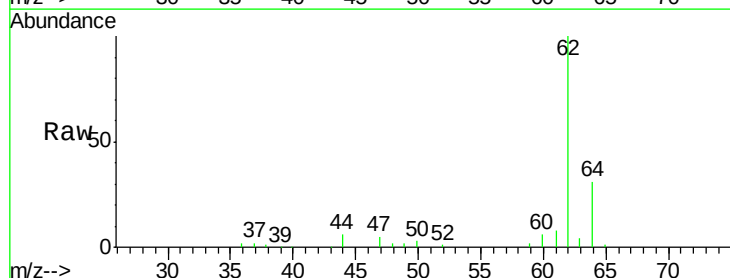
Acq: 2 May 2019 13:15

Tgt Ion: 62 Resp: 177608

Ion Ratio Lower Upper

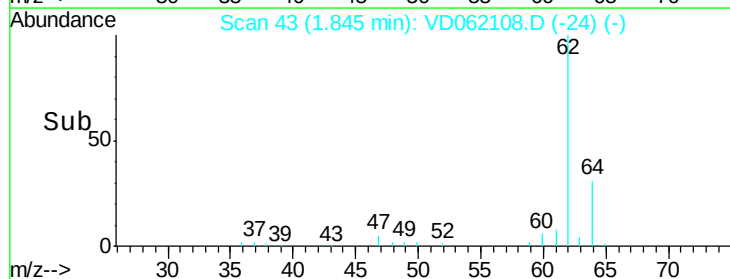
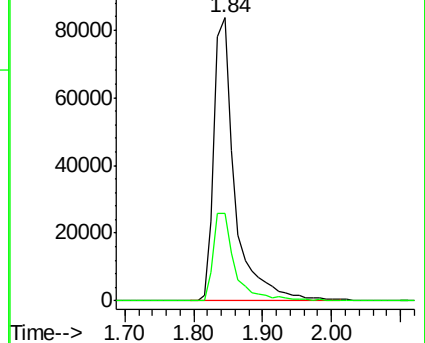
62 100

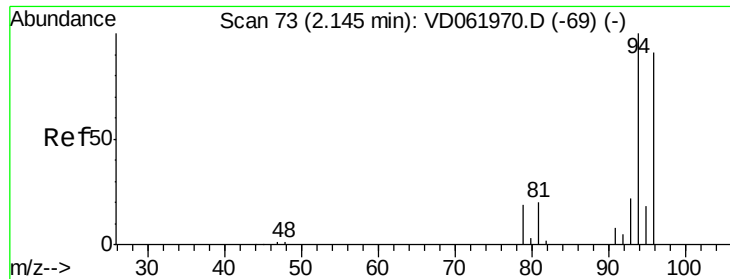
64 31.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.380 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

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ClientSampleId :

VSTDCCC050

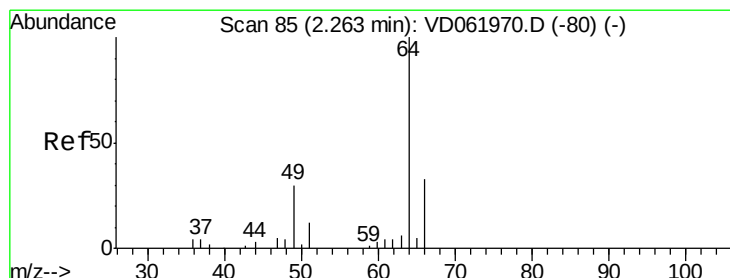
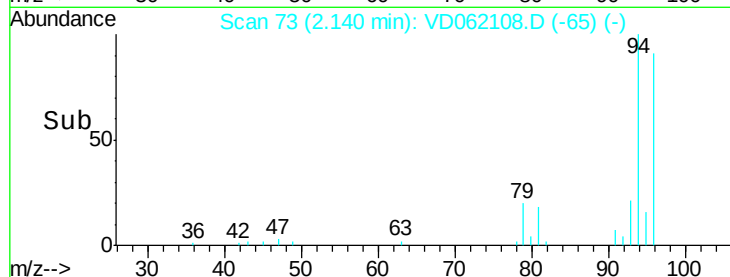
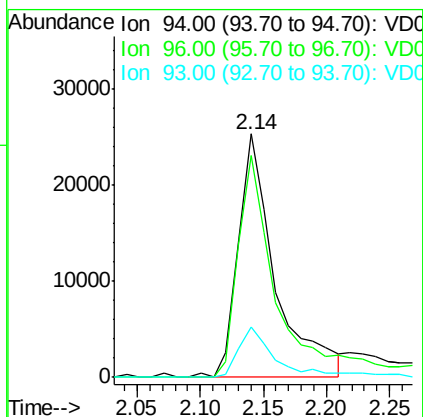
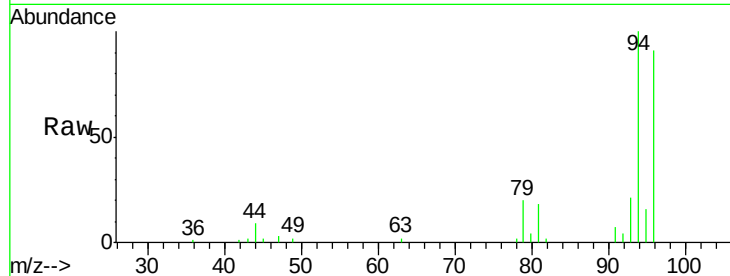
Tot Ion: 94 Resp: 51585

Ion Ratio Lower Upper

94 100

96 91.0 76.6 115.0

93 20.8 18.5 27.7



#6

Chloroethane

Concen: 52.849 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD062108.D

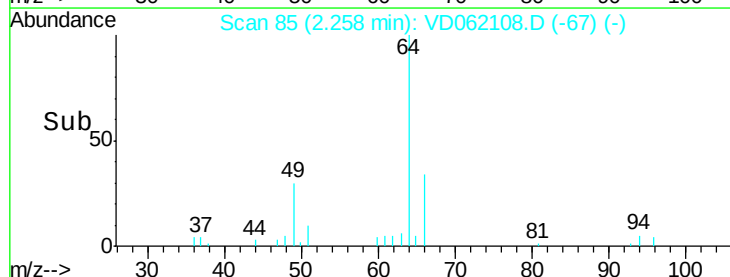
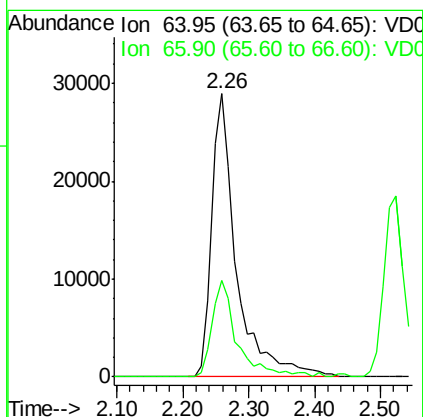
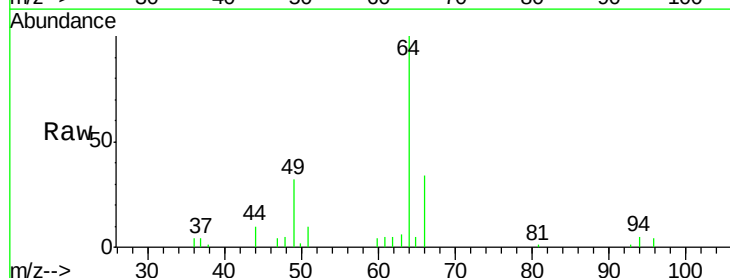
Acq: 2 May 2019 13:15

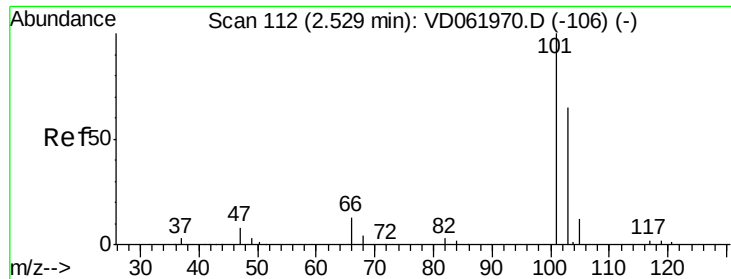
Tgt Ion: 64 Resp: 74480

Ion Ratio Lower Upper

64 100

66 33.9 25.6 38.4



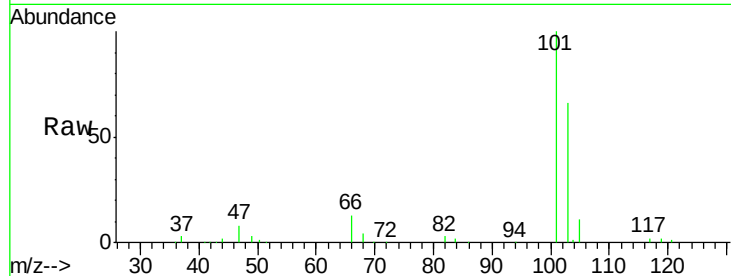


#7

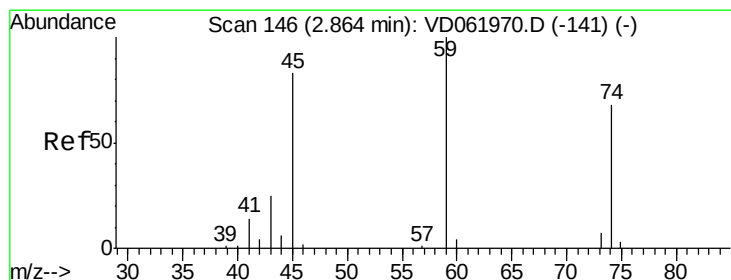
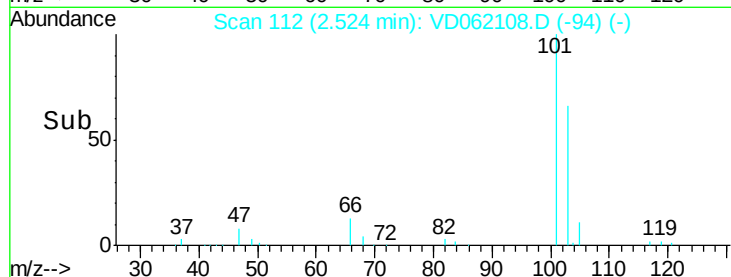
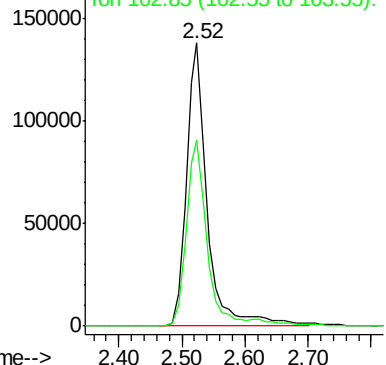
Trichlorofluoromethane
 Concen: 54.302 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 320102
 Ion Ratio Lower Upper
 101 100
 103 65.9 53.6 80.4



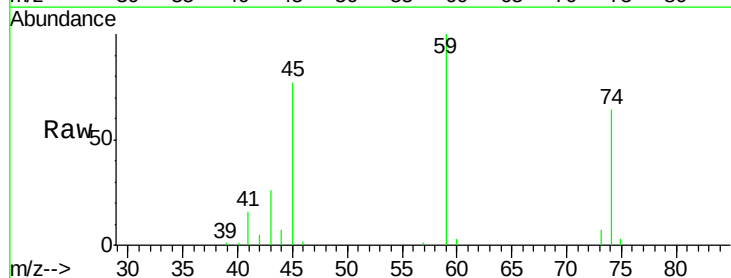
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



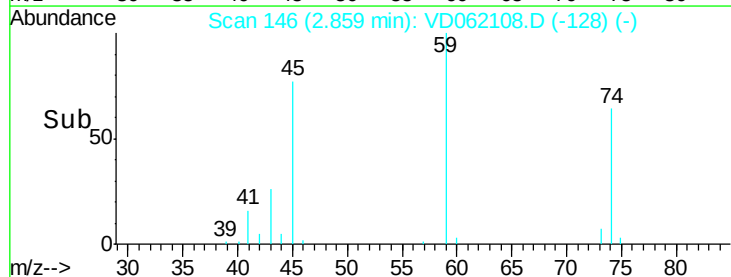
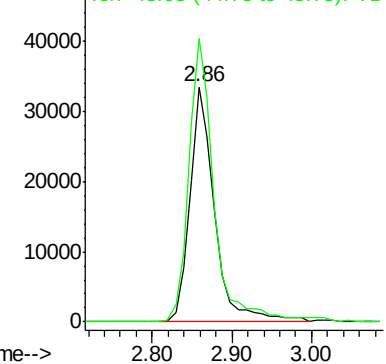
#8

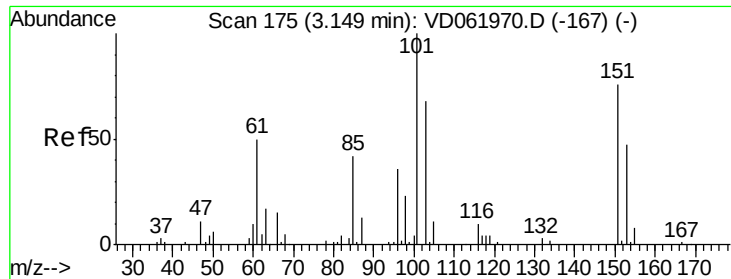
Diethyl Ether
 Concen: 46.154 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Tgt Ion: 74 Resp: 72919
 Ion Ratio Lower Upper
 74 100
 45 120.5 56.9 170.7



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

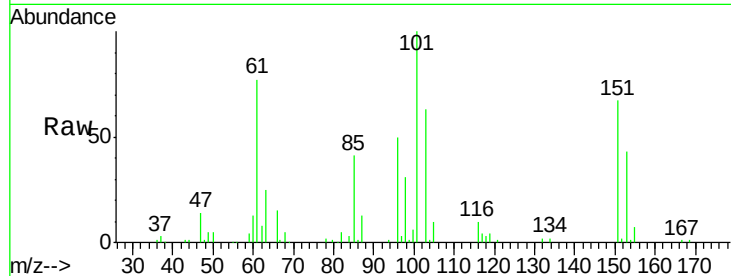




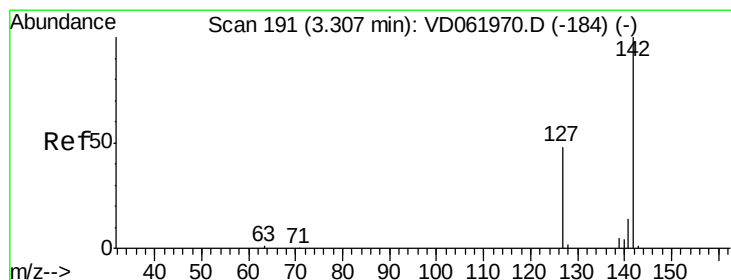
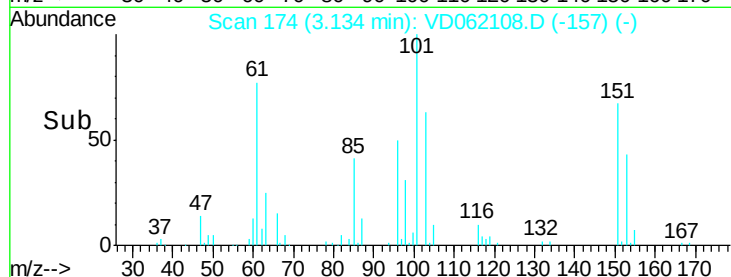
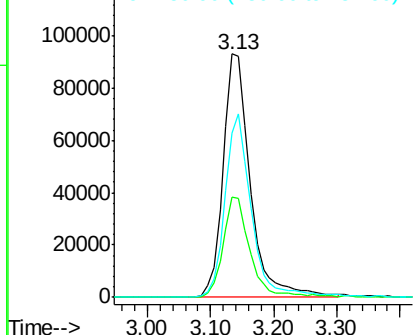
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.402 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. -0.03 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

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 VSTDCCC050

Tot Ion:101 Resp: 279126
 Ion Ratio Lower Upper
 101 100
 85 41.4 32.4 48.6
 151 67.4 59.4 89.0

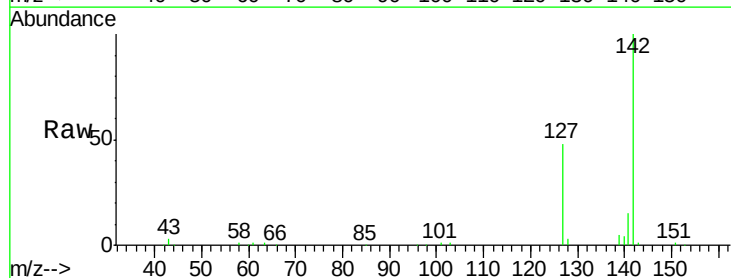


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

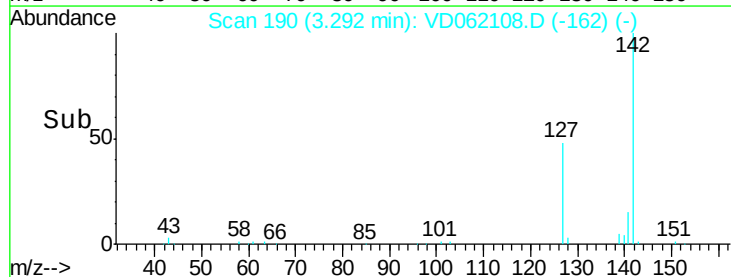
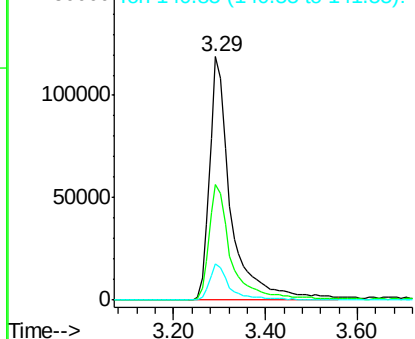


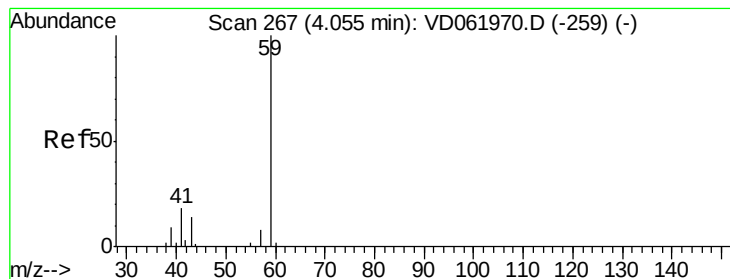
#10
 Methyl Iodide
 Concen: 46.528 ug/l
 RT: 3.29 min Scan# 190
 Delta R.T. -0.03 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Tgt Ion:142 Resp: 381428
 Ion Ratio Lower Upper
 142 100
 127 47.7 38.8 58.2
 141 14.7 11.4 17.0



Abundance Ion 141.85 (141.55 to 142.55): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.85 (140.55 to 141.55): V



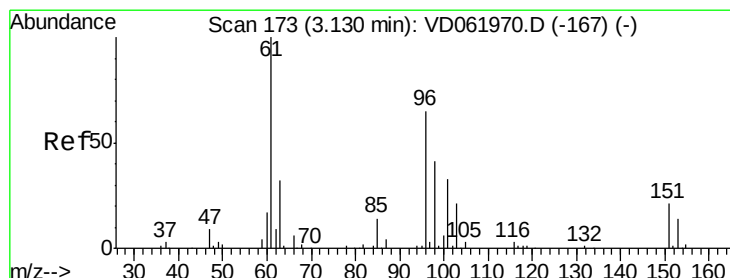
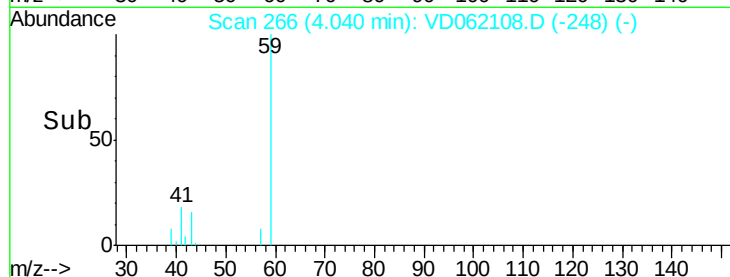
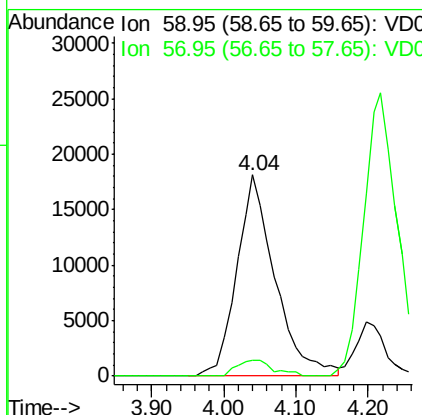
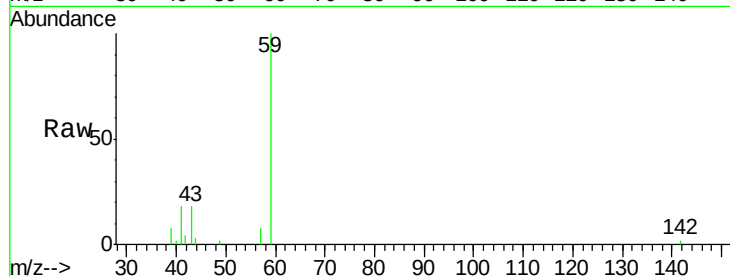


#11

Tert butyl alcohol
Concen: 266.721 ug/l
RT: 4.04 min Scan# 266
Delta R.T. -0.02 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

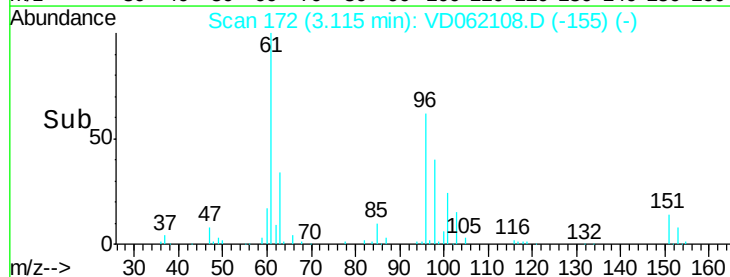
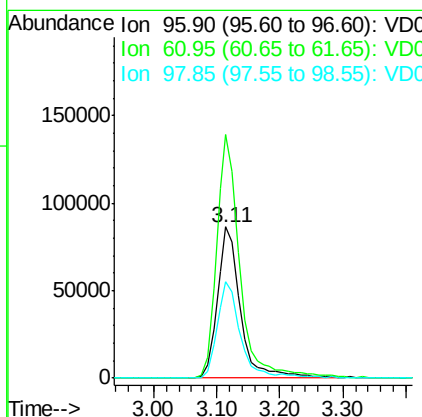
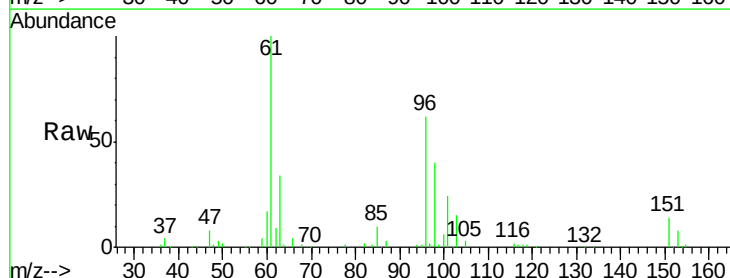
Tot Ion: 59 Resp: 66850
Ion Ratio Lower Upper
59 100
57 7.9 6.9 10.3

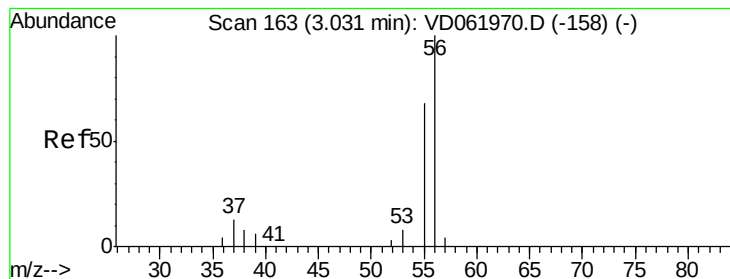


#12

1,1-Dichloroethene
Concen: 47.859 ug/l
RT: 3.11 min Scan# 172
Delta R.T. -0.03 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion: 96 Resp: 221105
Ion Ratio Lower Upper
96 100
61 161.0 129.8 194.8
98 64.1 51.2 76.8





#13

Acrolein

Concen: 213.689 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

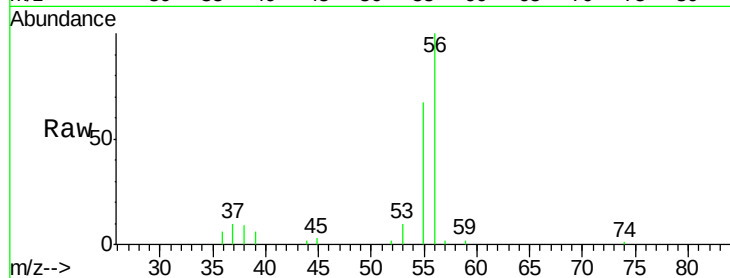
VSTDCCC050

Tot Ion: 56 Resp: 55570

Ion Ratio Lower Upper

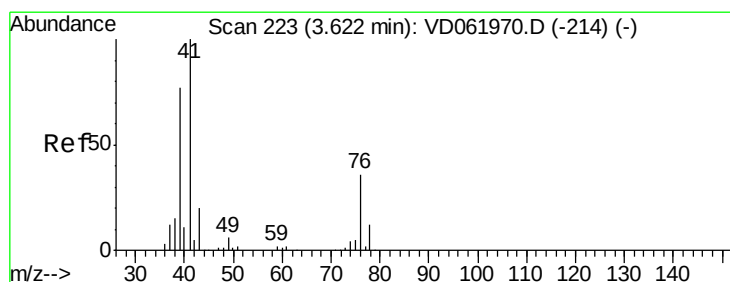
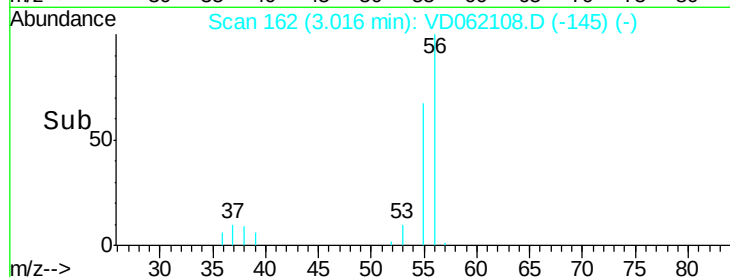
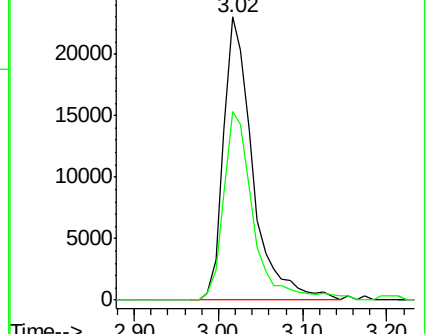
56 100

55 66.8 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.979 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

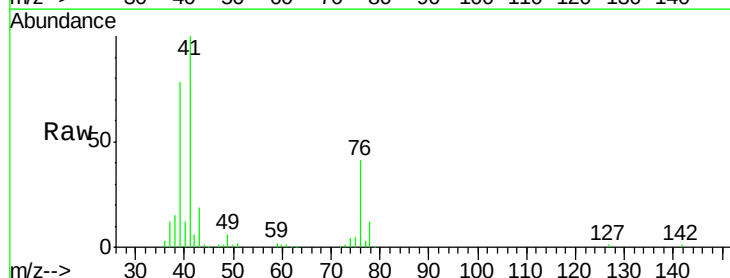
Tgt Ion: 41 Resp: 334219

Ion Ratio Lower Upper

41 100

39 78.0 60.5 90.7

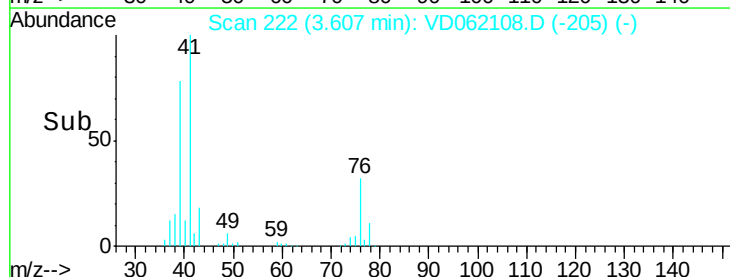
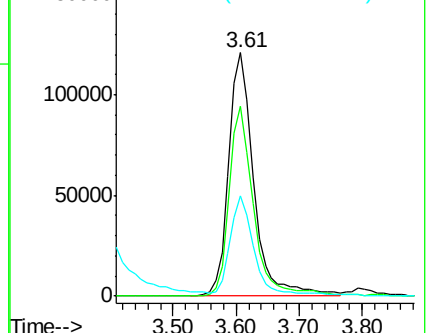
76 41.1 31.8 47.8

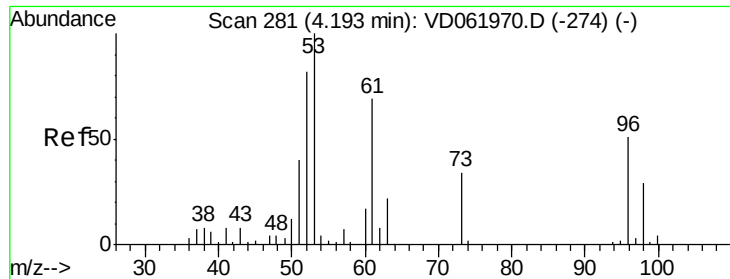


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 262.869 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

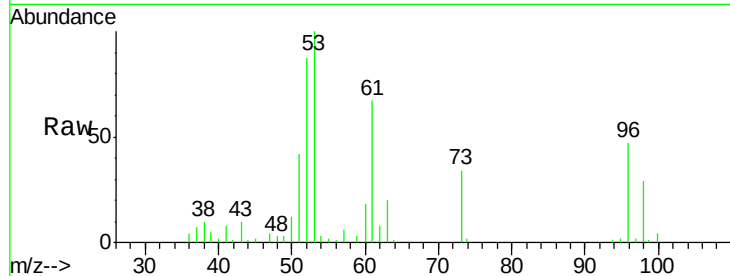
Tot Ion: 53 Resp: 204014

Ion Ratio Lower Upper

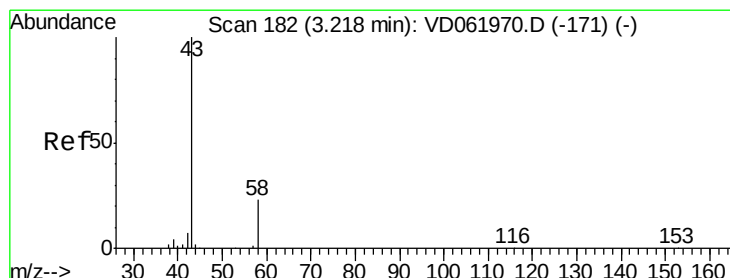
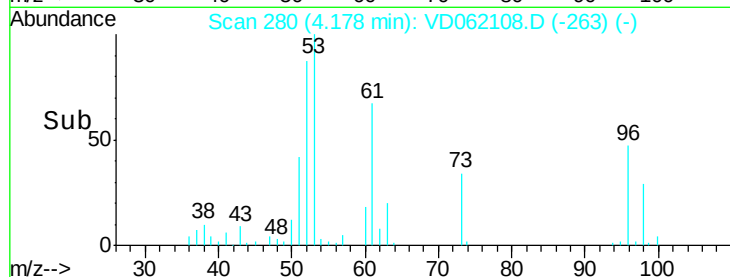
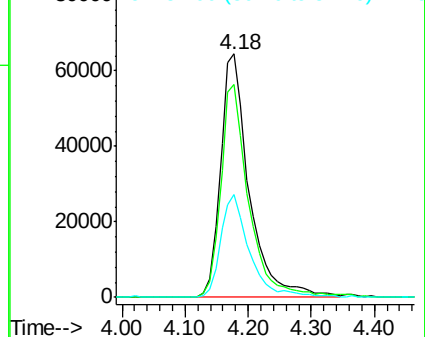
53 100

52 87.4 65.0 97.4

51 42.2 32.6 48.8



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



#16

Acetone

Concen: 289.259 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062108.D

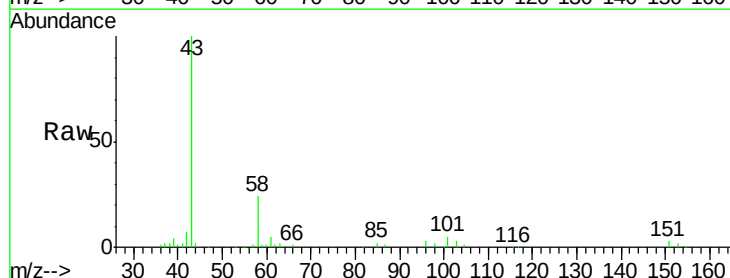
Acq: 2 May 2019 13:15

Tgt Ion: 43 Resp: 306378

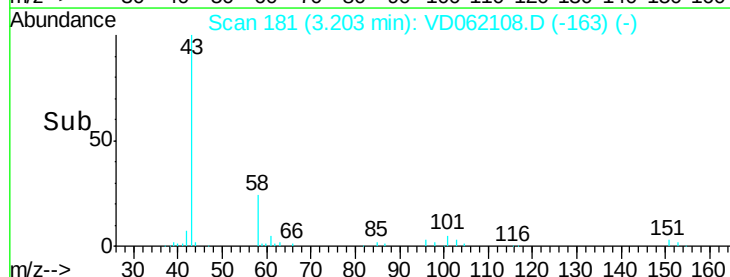
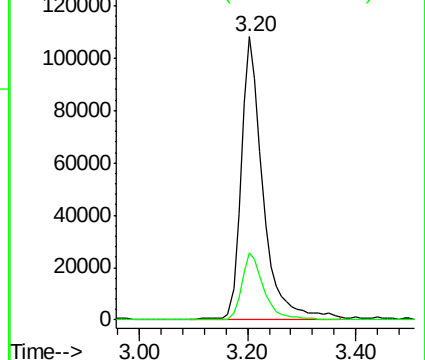
Ion Ratio Lower Upper

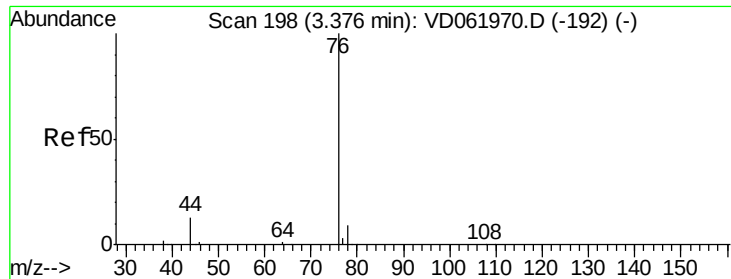
43 100

58 23.5 19.9 29.9



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

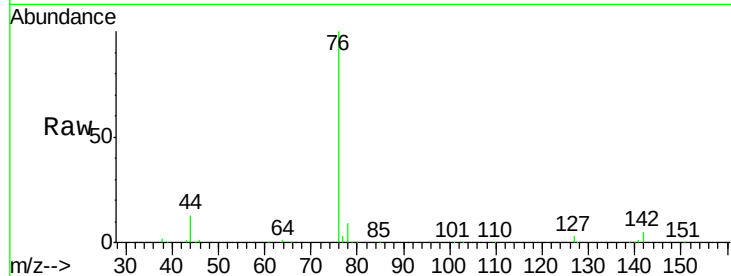




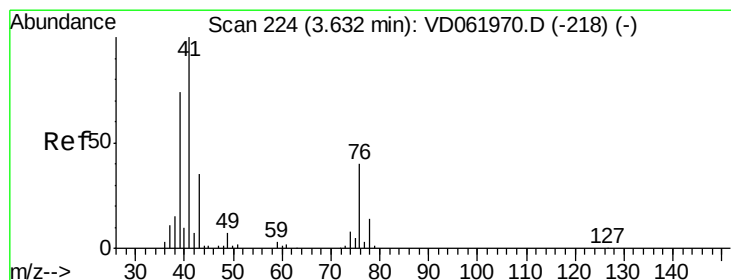
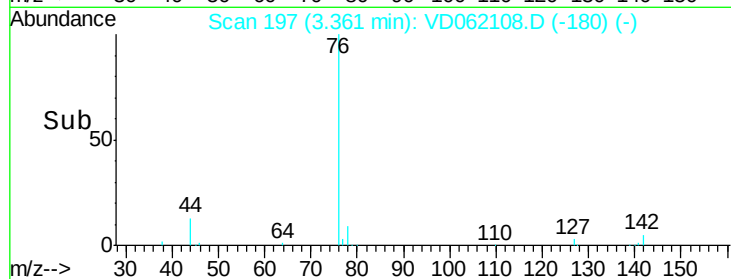
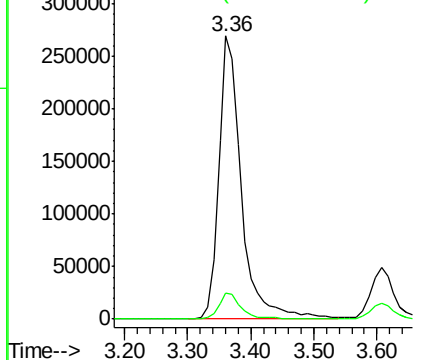
#17
Carbon Disulfide
Concen: 50.457 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.03 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 673614
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

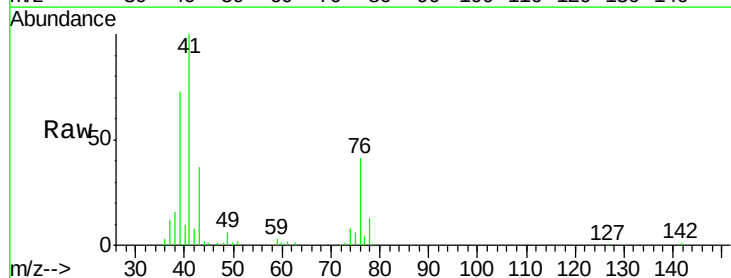


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

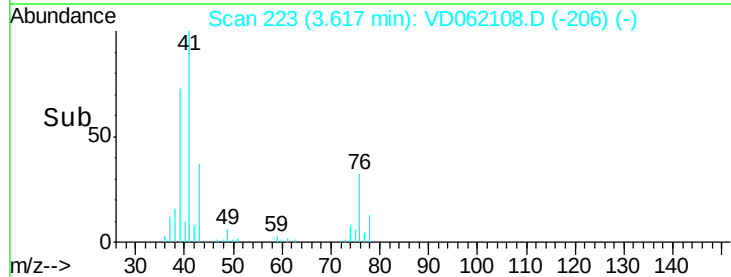
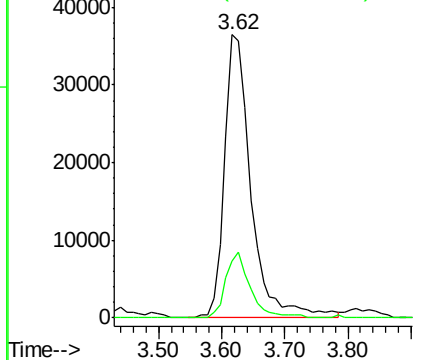


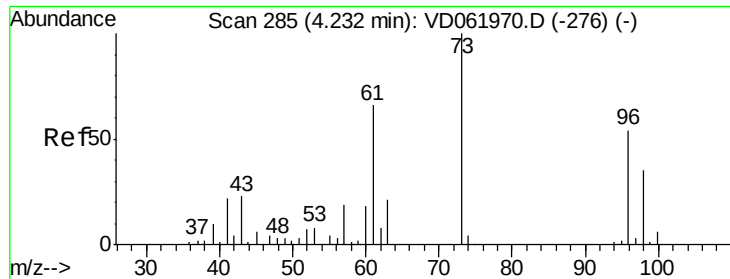
#18
Methyl Acetate
Concen: 55.402 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion: 43 Resp: 105973
Ion Ratio Lower Upper
43 100
74 20.2 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

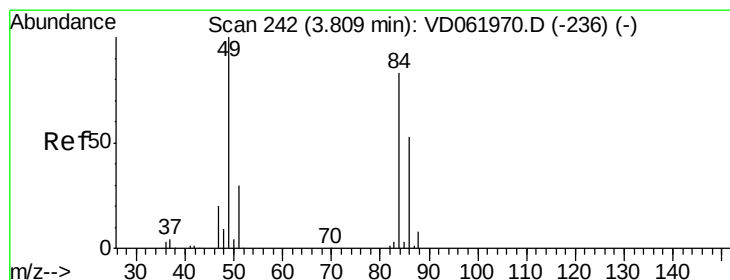
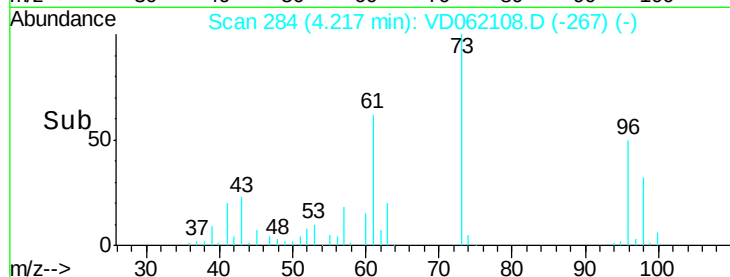
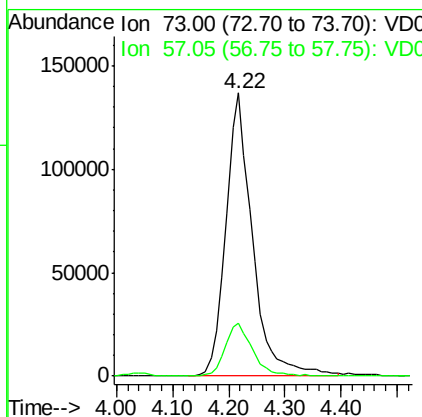
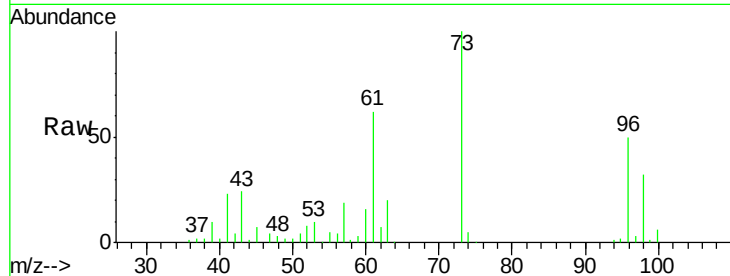




#19
Methyl tert-butyl Ether
Concen: 49.342 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

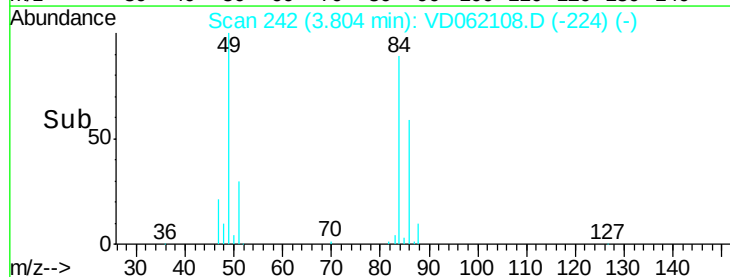
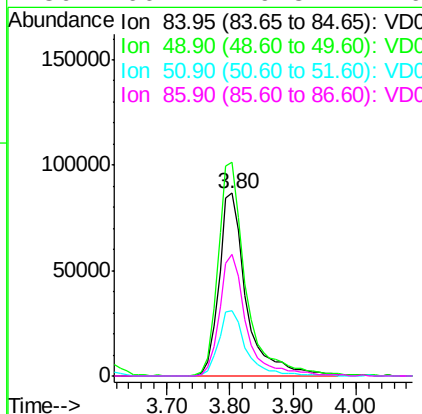
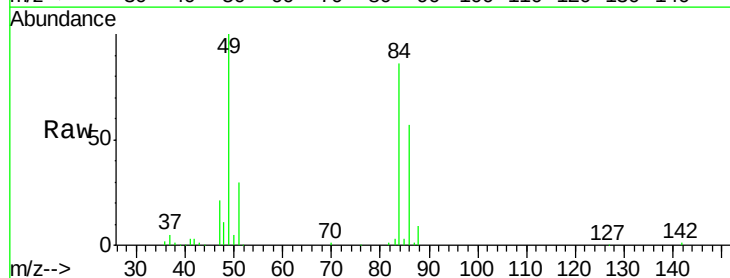
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

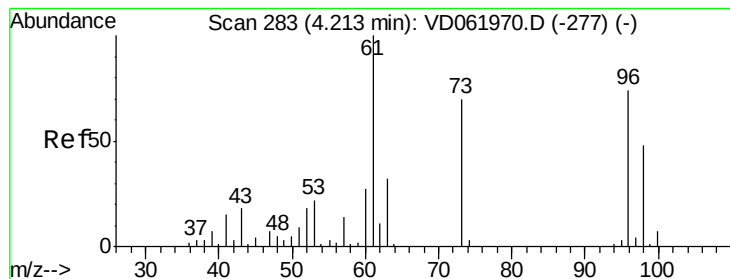
Tot Ion: 73 Resp: 452290
Ion Ratio Lower Upper
73 100
57 18.6 16.3 24.5



#20
Methylene Chloride
Concen: 51.216 ug/l
RT: 3.80 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion: 84 Resp: 263690
Ion Ratio Lower Upper
84 100
49 116.8 94.0 141.0
51 35.4 29.0 43.4
86 66.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 48.825 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

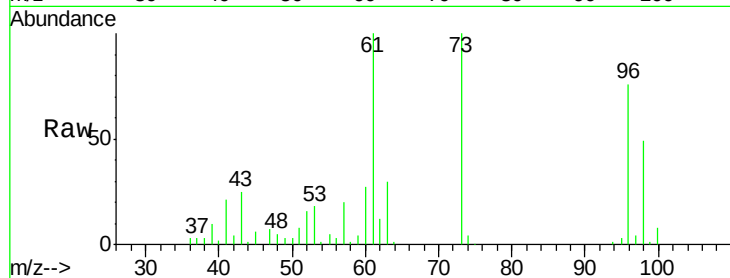
Tot Ion: 96 Resp: 258767

Ion Ratio Lower Upper

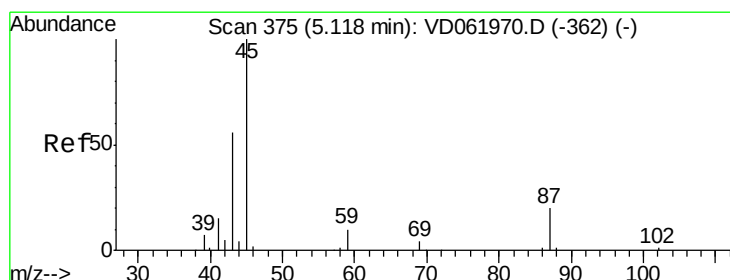
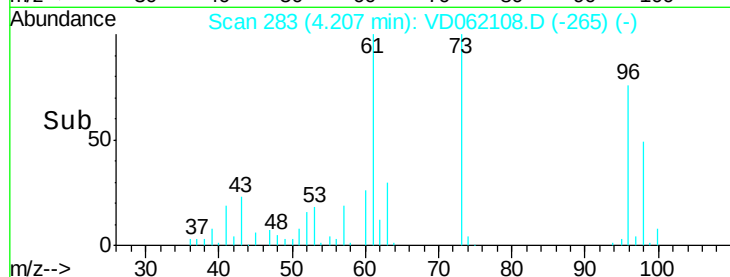
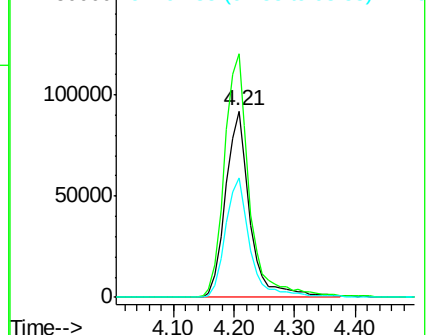
96 100

61 130.8 104.4 156.6

98 64.3 51.8 77.8



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



#22

Diisopropyl ether

Concen: 52.618 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.03 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Tgt Ion: 45 Resp: 774988

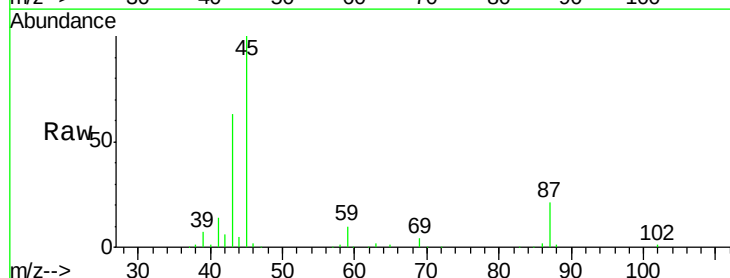
Ion Ratio Lower Upper

45 100

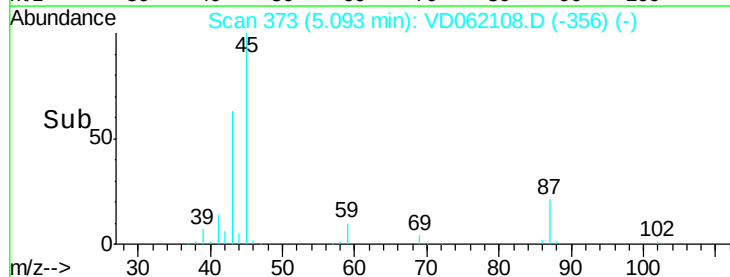
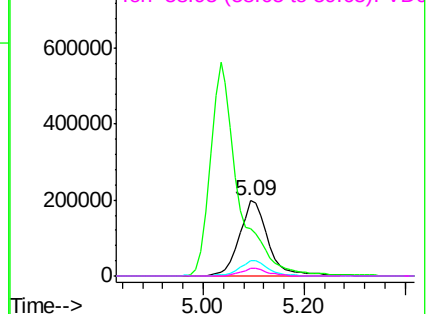
43 63.0 46.2 69.2

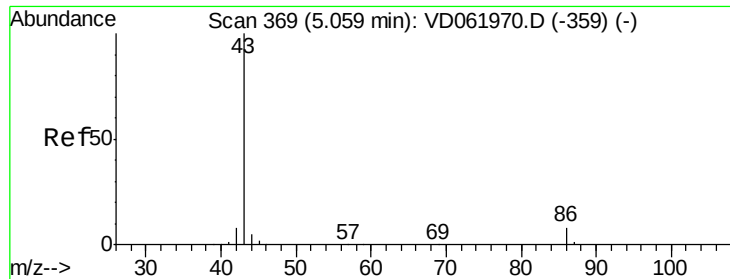
87 20.6 15.9 23.9

59 10.2 7.9 11.9



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





#23

Vinyl Acetate

Concen: 282.524 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.03 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

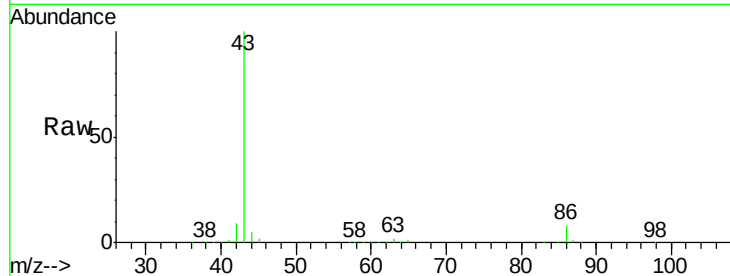
VSTDCCC050

Tot Ion: 43 Resp: 2167005

Ion Ratio Lower Upper

43 100

86 8.4 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.03

600000

500000

400000

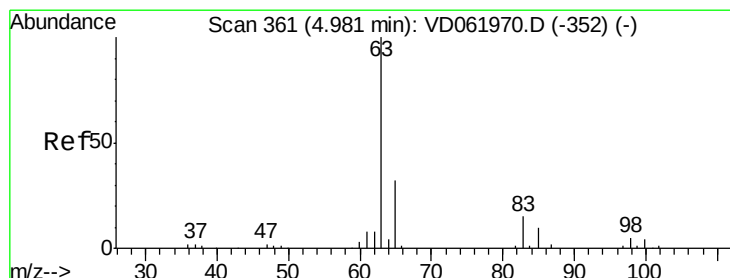
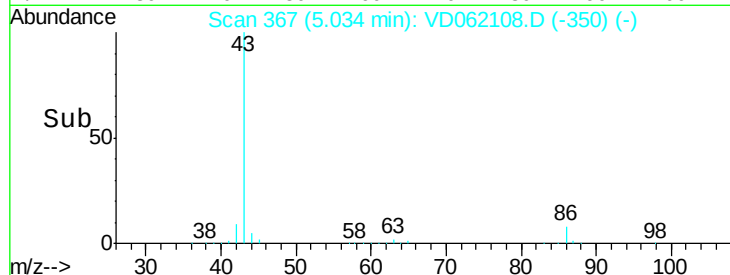
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.817 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

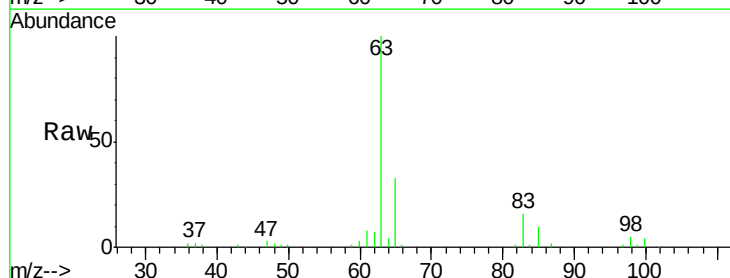
Tgt Ion: 63 Resp: 434571

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 3.9 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.97

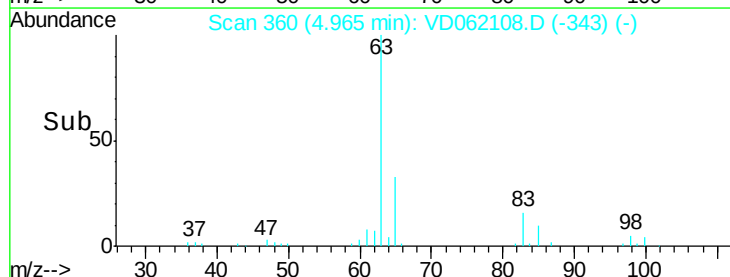
150000

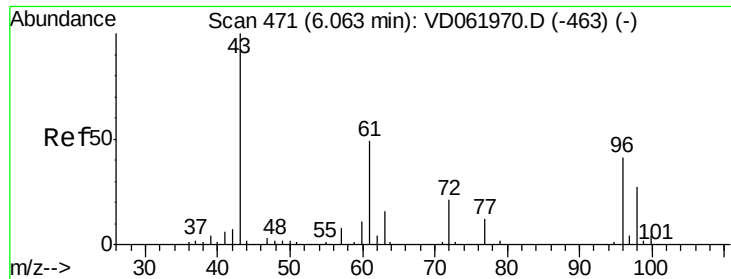
100000

50000

0

Time-->





#25

2-Butanone

Concen: 283.052 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.03 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

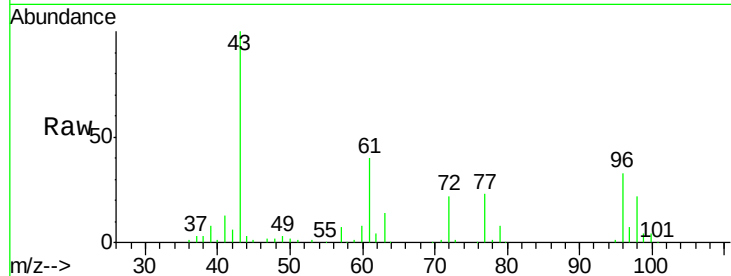
VSTDCCC050

Tot Ion: 43 Resp: 363490

Ion Ratio Lower Upper

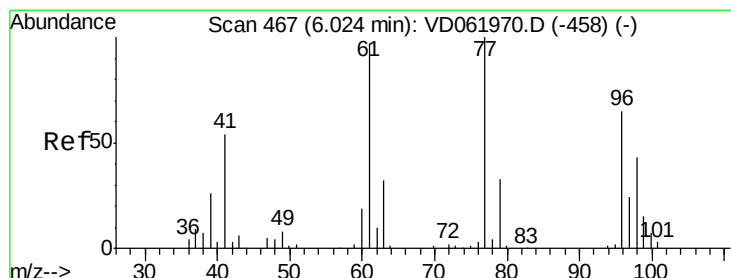
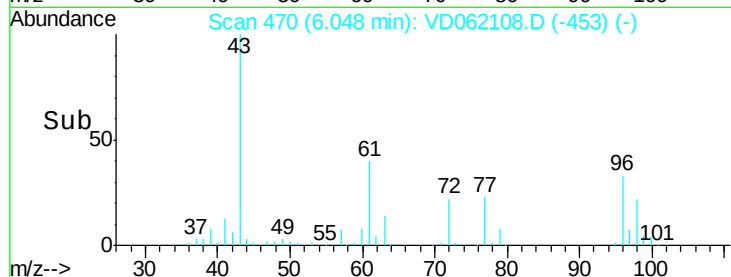
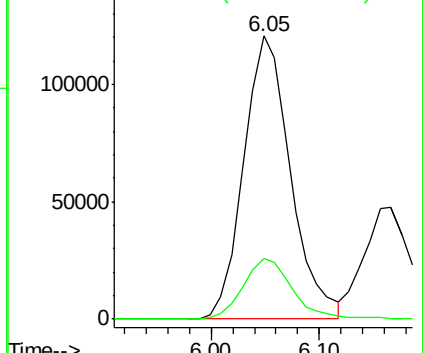
43 100

72 21.6 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.032 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD062108.D

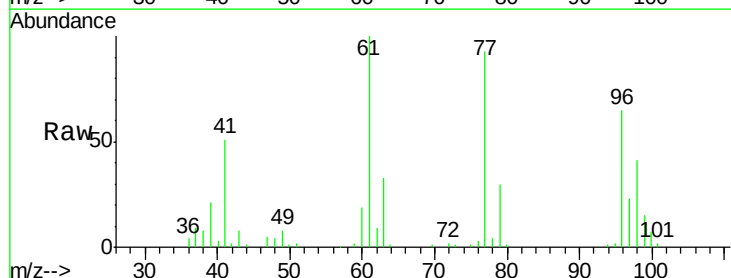
Acq: 2 May 2019 13:15

Tgt Ion: 77 Resp: 419621

Ion Ratio Lower Upper

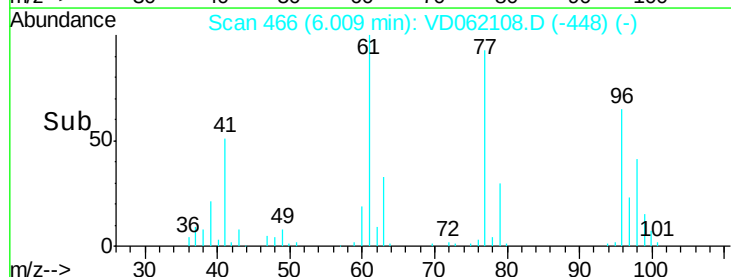
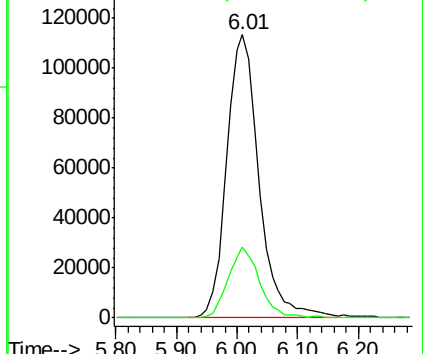
77 100

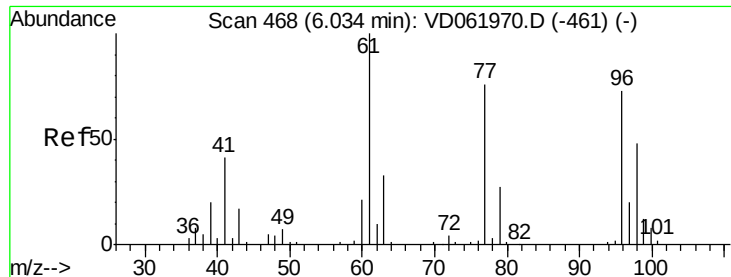
97 25.1 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



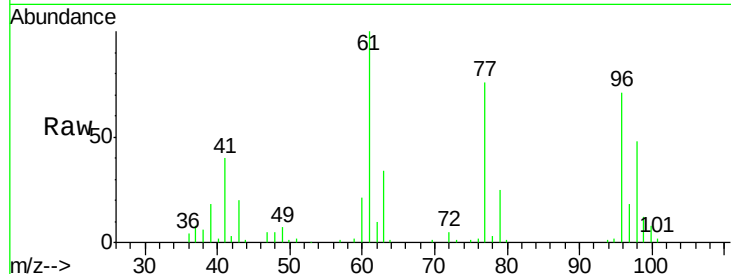


#27

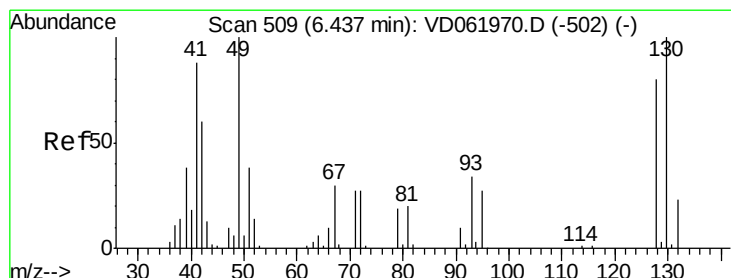
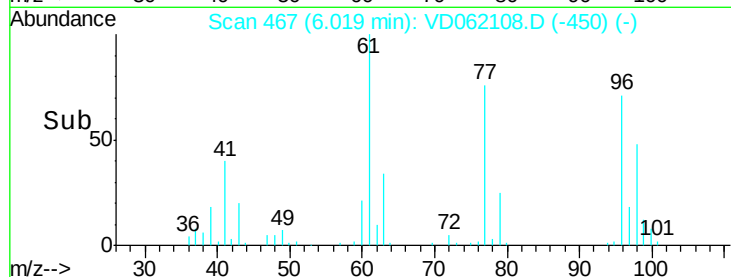
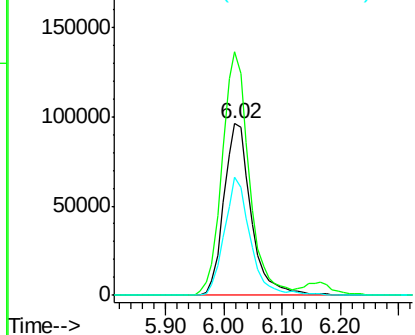
cis-1,2-Dichloroethene
Concen: 51.929 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 313090
Ion Ratio Lower Upper
96 100
61 141.8 0.0 279.8
98 68.6 0.0 136.0



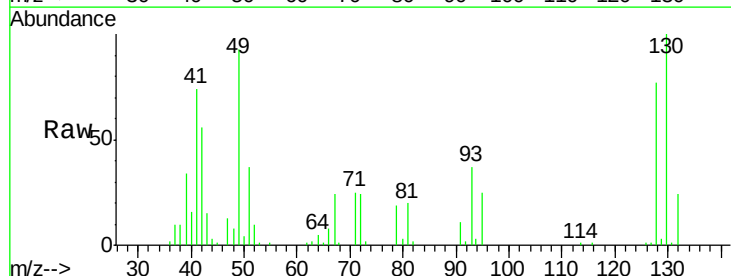
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



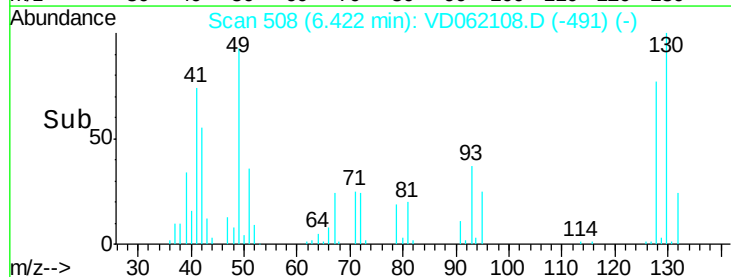
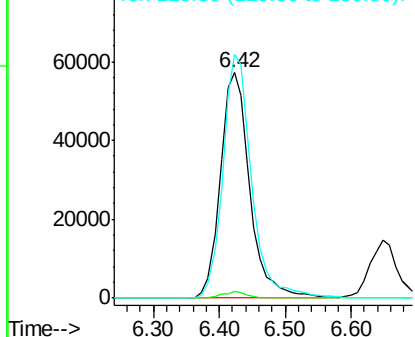
#28

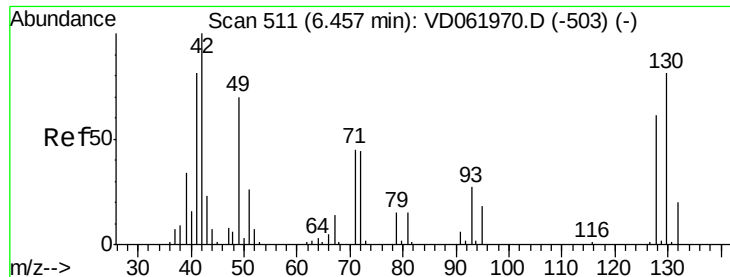
Bromochloromethane
Concen: 52.242 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion: 49 Resp: 177945
Ion Ratio Lower Upper
49 100
129 3.3 0.0 6.6
130 108.1 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 244.367 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

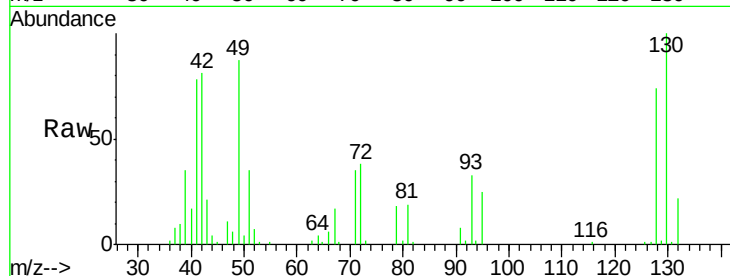
Tot Ion: 42 Resp: 154623

Ion Ratio Lower Upper

42 100

72 47.6 37.8 56.6

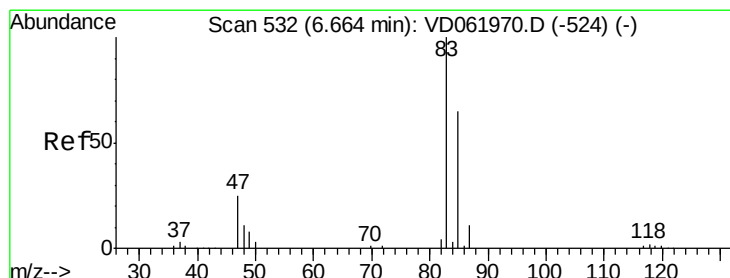
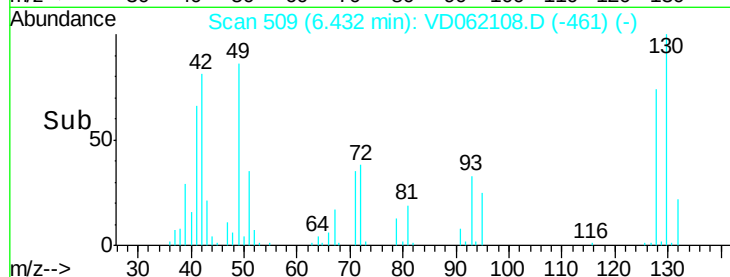
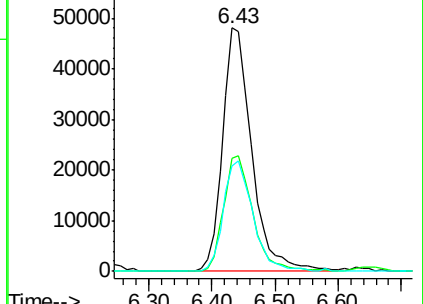
71 45.6 36.7 55.1



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: 49.361 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD062108.D

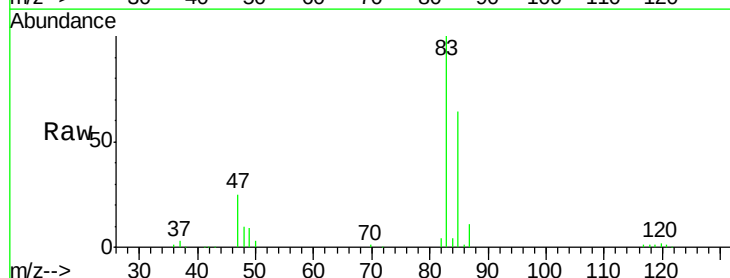
Acq: 2 May 2019 13:15

Tgt Ion: 83 Resp: 499104

Ion Ratio Lower Upper

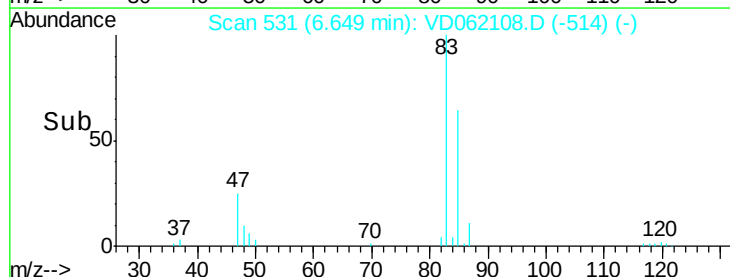
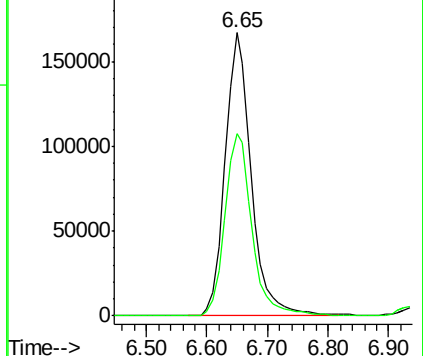
83 100

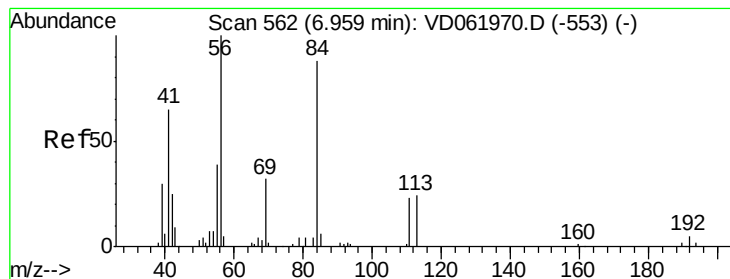
85 64.3 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 50.931 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

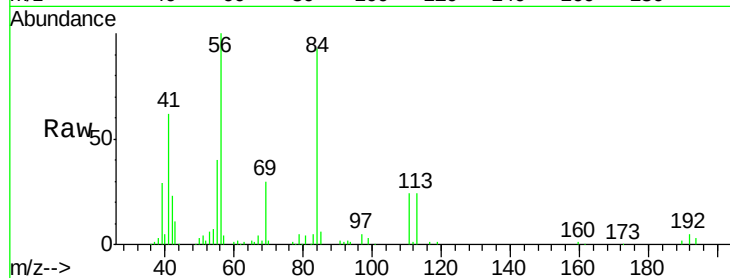
Tot Ion: 56 Resp: 336530

Ion Ratio Lower Upper

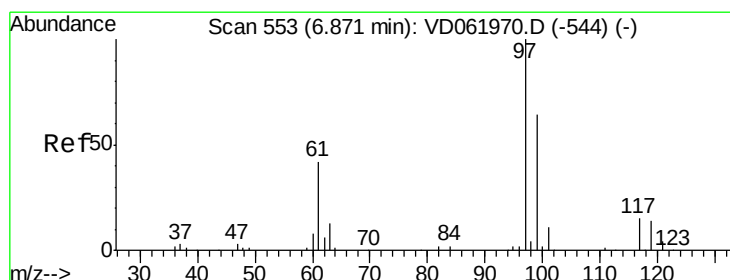
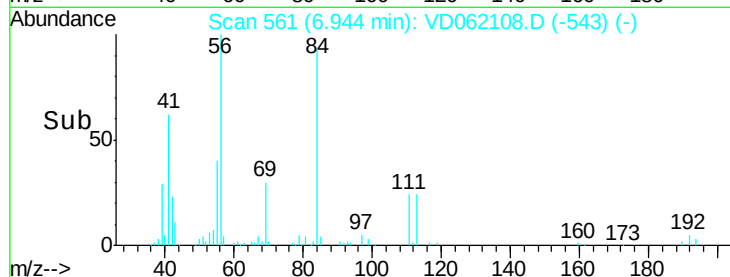
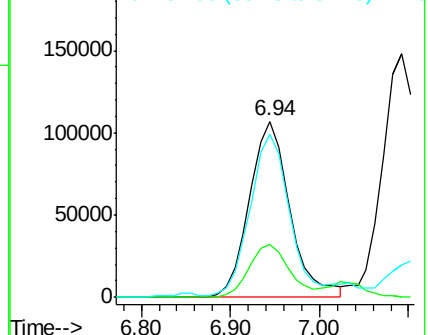
56 100

69 30.2 25.8 38.6

84 92.8 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 52.014 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

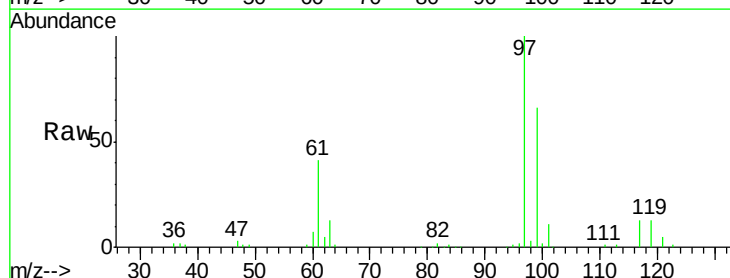
Tgt Ion: 97 Resp: 457601

Ion Ratio Lower Upper

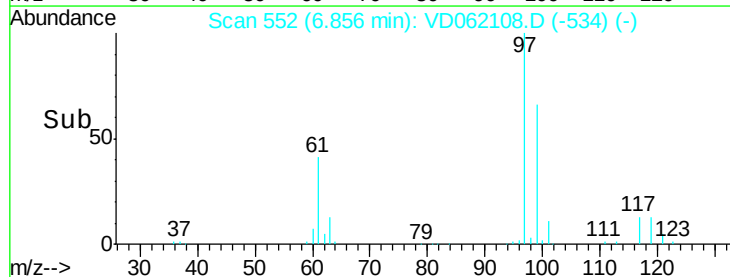
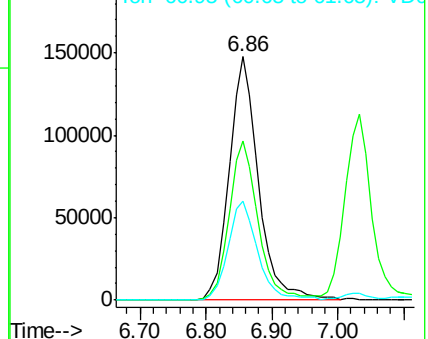
97 100

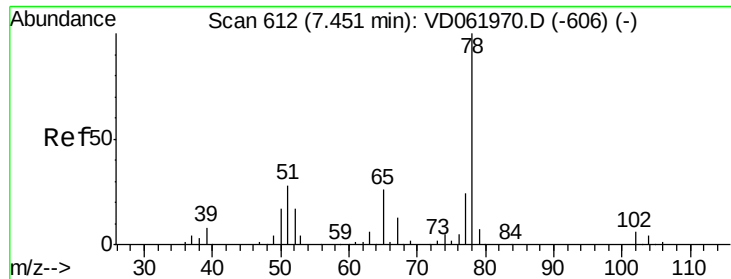
99 65.5 52.2 78.2

61 40.7 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 54.478 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

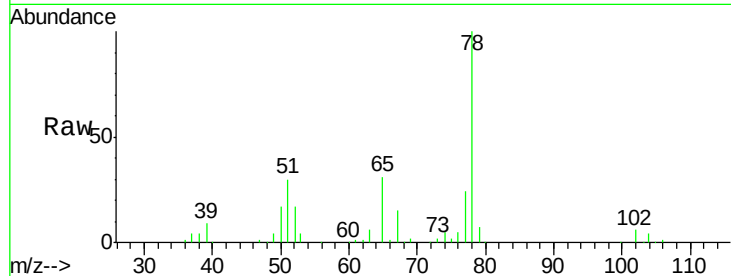
VSTDCCC050

Tot Ion: 65 Resp: 241665

Ion Ratio Lower Upper

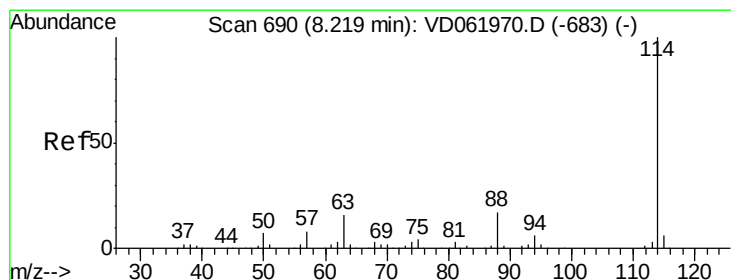
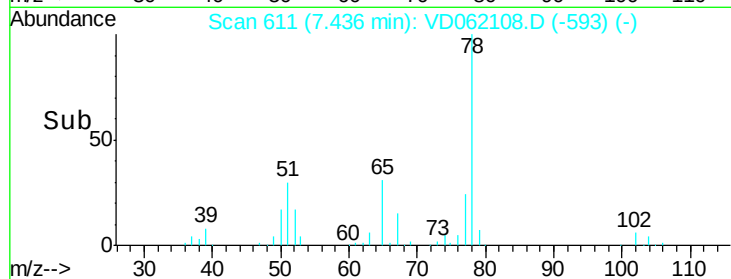
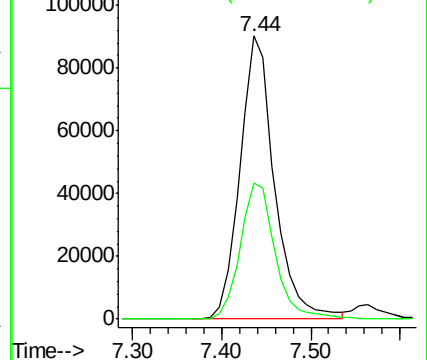
65 100

67 48.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

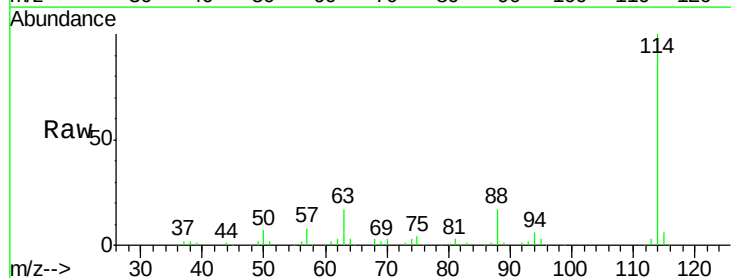
Tgt Ion: 114 Resp: 825847

Ion Ratio Lower Upper

114 100

63 17.2 0.0 32.4

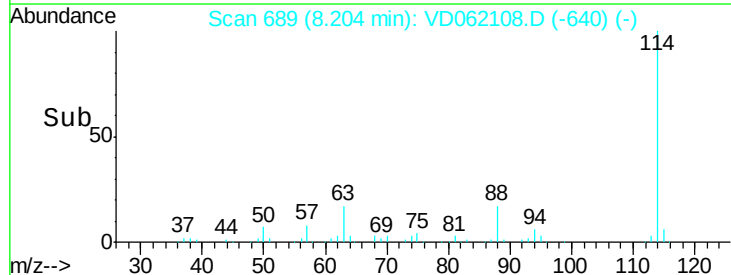
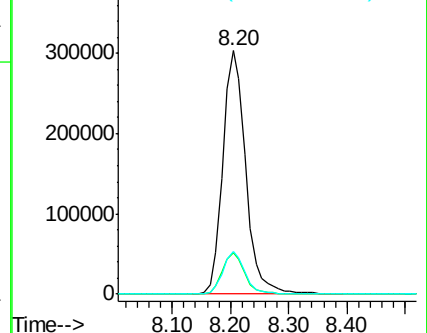
88 17.3 0.0 33.6

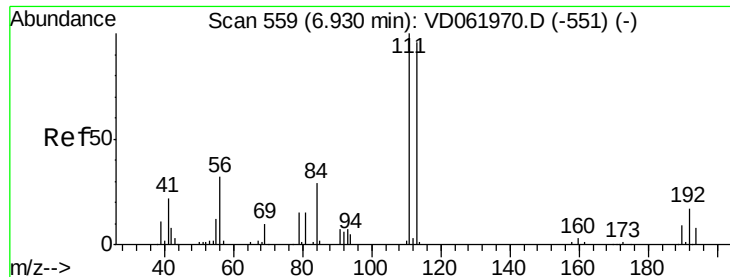


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 60.040 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

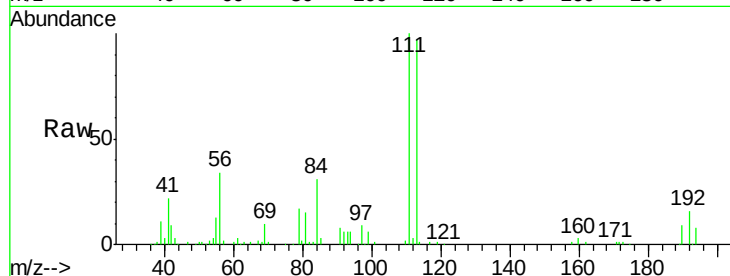
Tot Ion:113 Resp: 342918

Ion Ratio Lower Upper

113 100

111 103.0 78.5 117.7

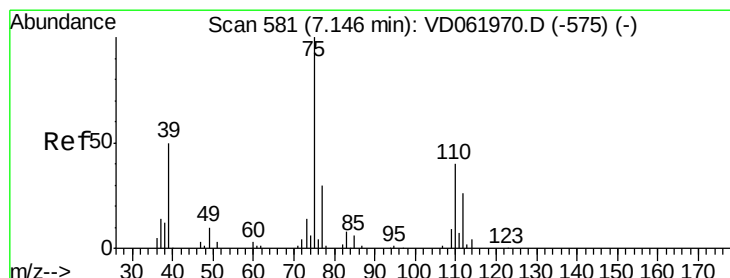
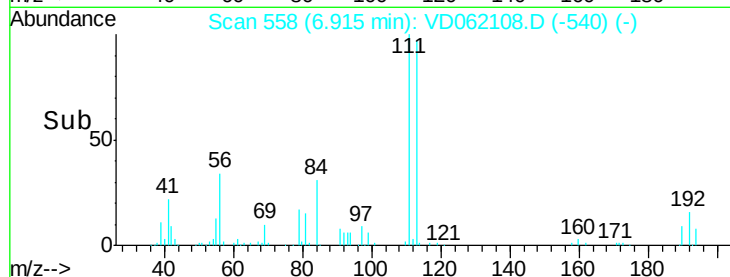
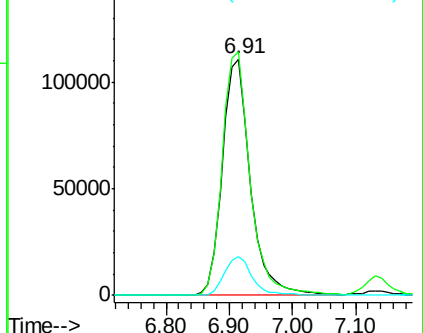
192 16.4 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 54.467 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

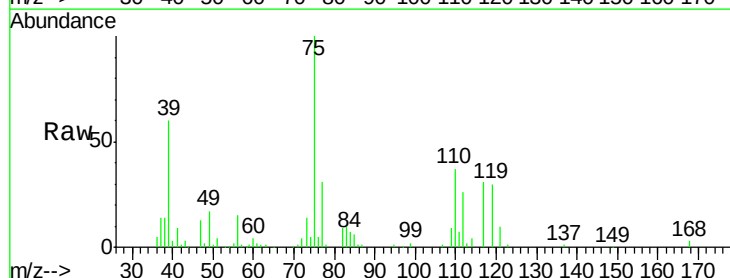
Tgt Ion: 75 Resp: 350451

Ion Ratio Lower Upper

75 100

110 37.1 19.1 57.1

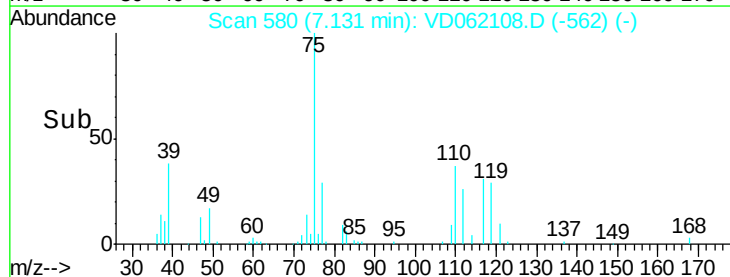
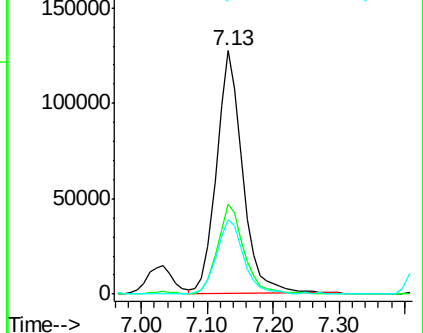
77 30.5 25.6 38.4

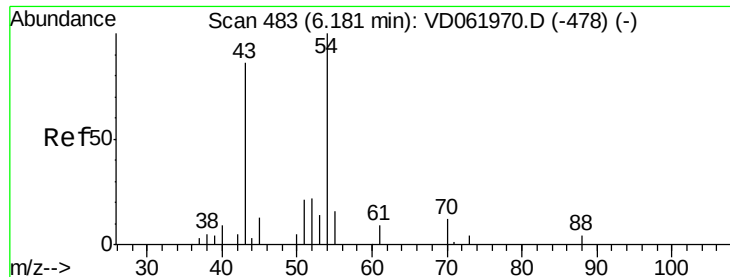


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

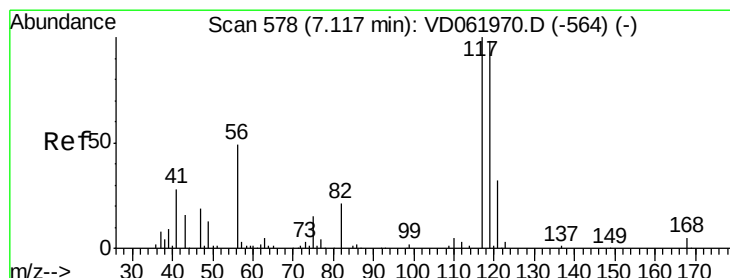
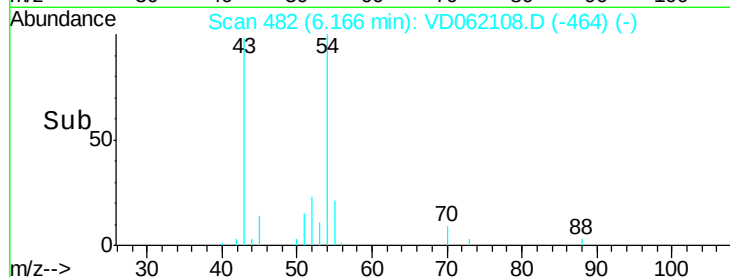
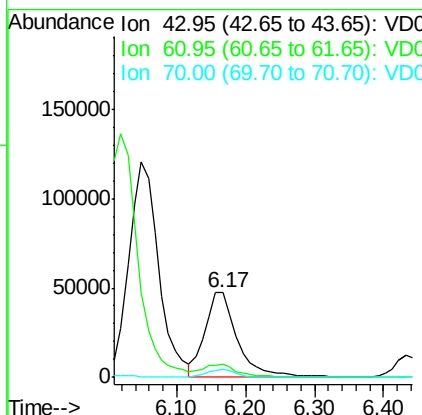
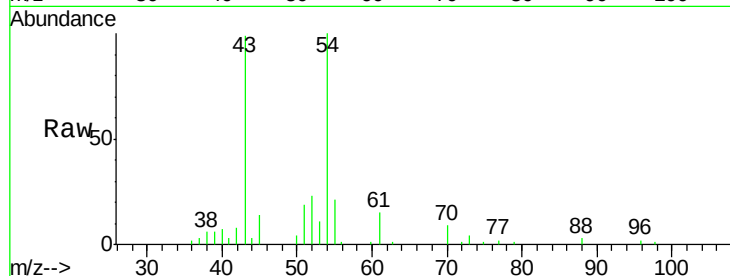




#37
Ethyl Acetate
Concen: 55.609 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.02 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

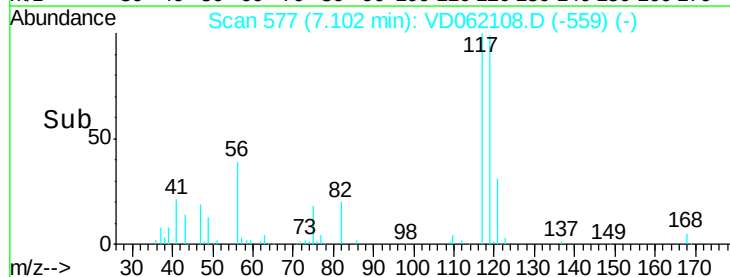
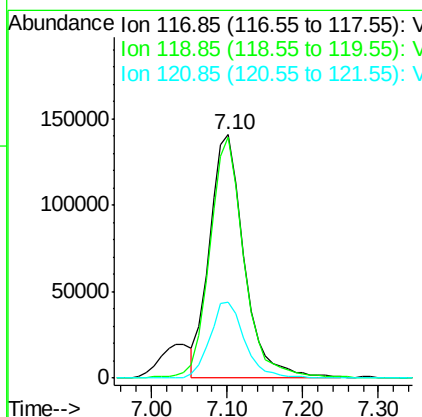
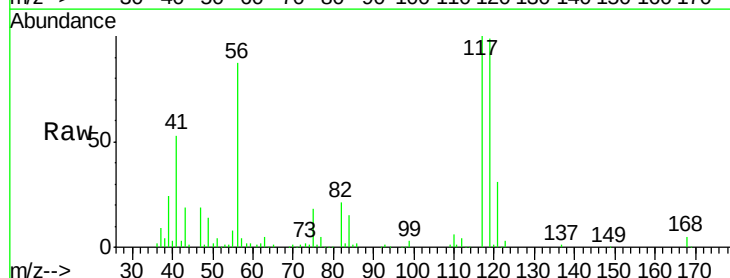
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

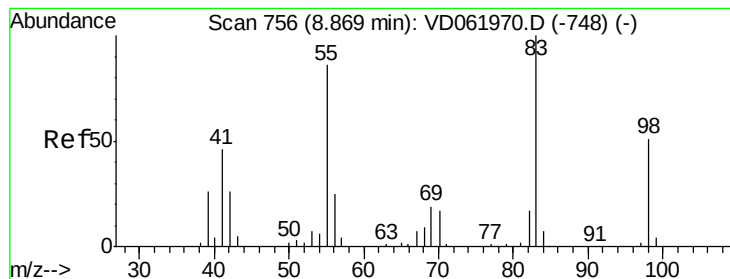
Tot Ion: 43 Resp: 152471
Ion Ratio Lower Upper
43 100
61 15.4 14.7 22.1
70 9.3 7.8 11.6



#38
Carbon Tetrachloride
Concen: 55.057 ug/l m
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion: 117 Resp: 448889
Ion Ratio Lower Upper
117 100
119 98.8 75.8 113.8
121 31.1 25.9 38.9





#39

Methylvlcyclohexane

Concen: 49.329 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

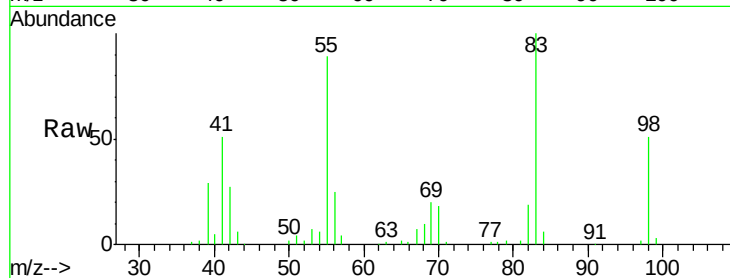
Tot Ion: 83 Resp: 313151

Ion Ratio Lower Upper

83 100

55 89.2 68.2 102.4

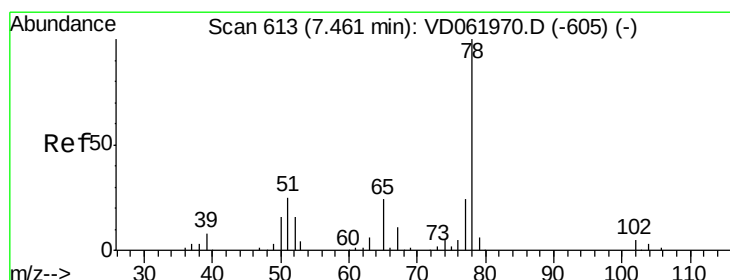
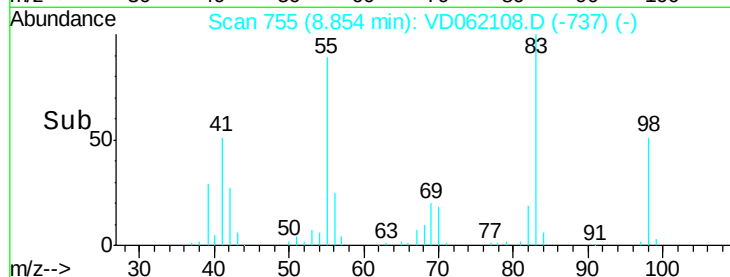
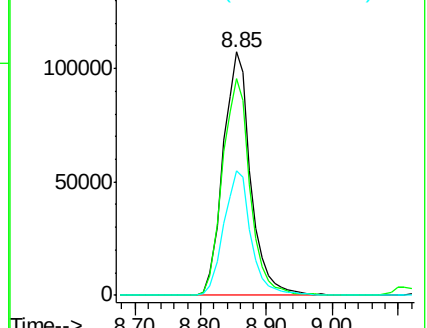
98 51.4 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 54.255 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062108.D

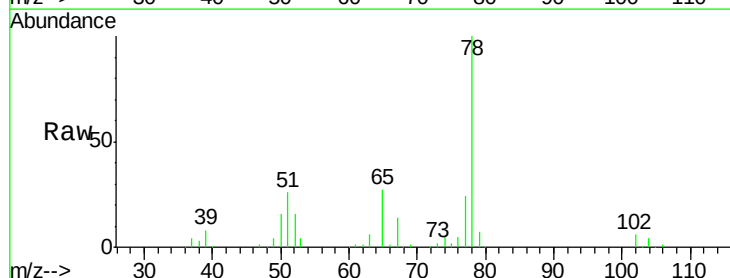
Acq: 2 May 2019 13:15

Tgt Ion: 78 Resp: 864229

Ion Ratio Lower Upper

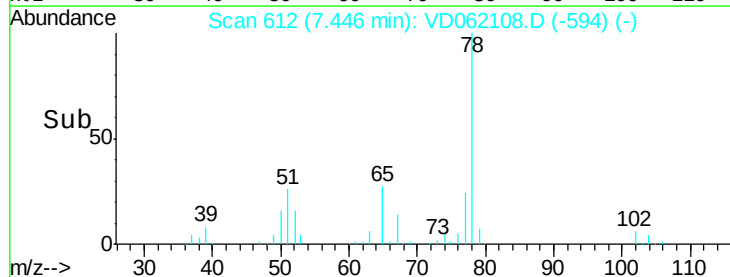
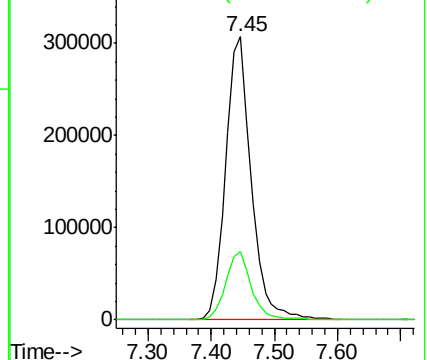
78 100

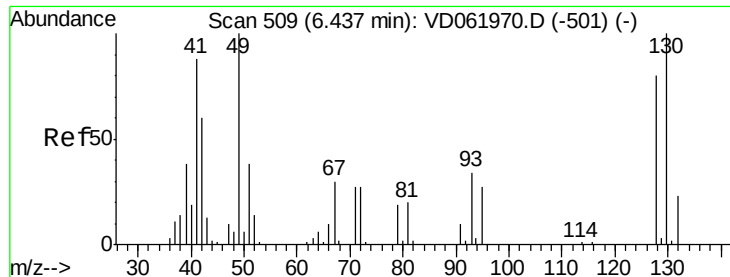
77 24.2 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

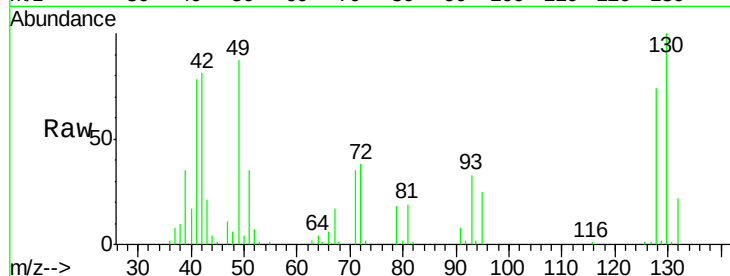




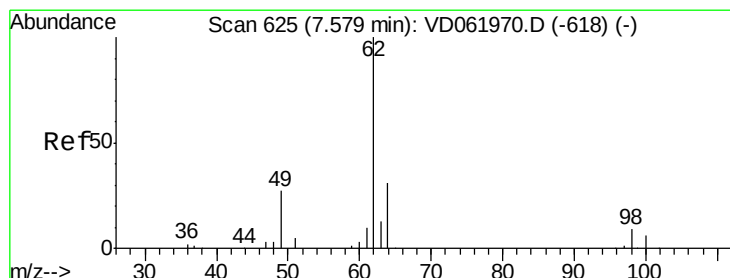
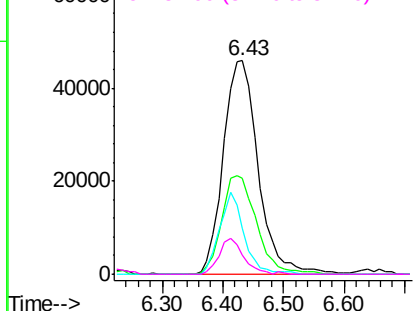
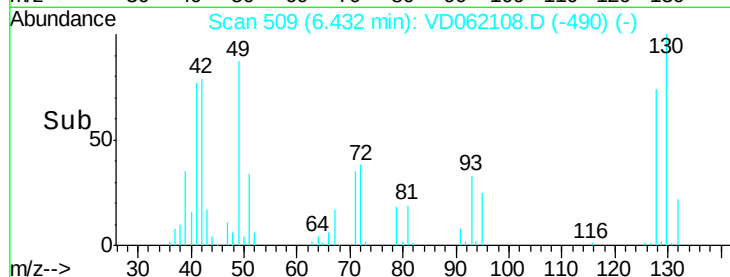
#41
Methacrylonitrile
Concen: 57.470 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 183856
Ion Ratio Lower Upper
41 100
39 44.7 34.1 51.1
67 21.5 23.8 35.6#
52 9.0 8.8 13.2

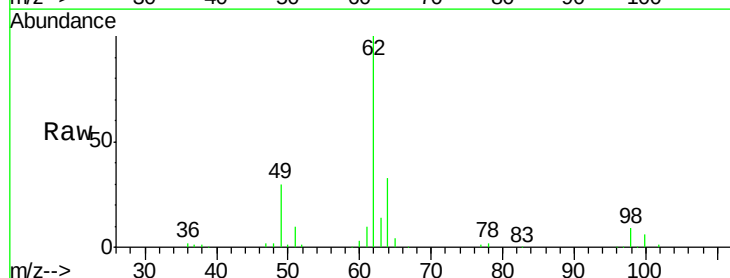


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

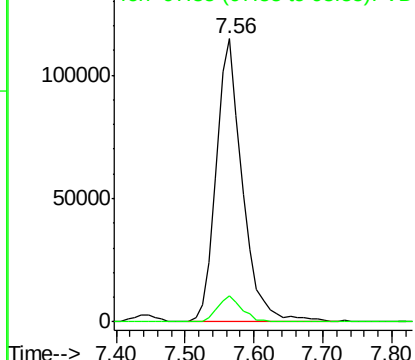
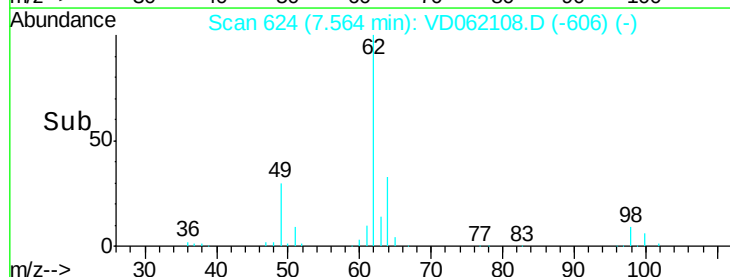


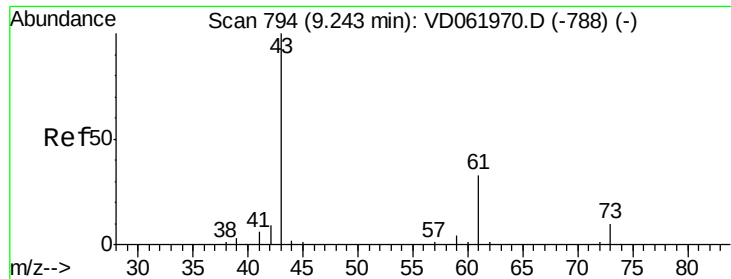
#42
1,2-Dichloroethane
Concen: 56.013 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion: 62 Resp: 302946
Ion Ratio Lower Upper
62 100
98 9.4 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 52.132 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

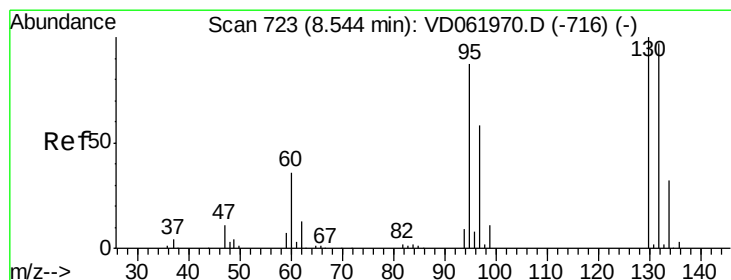
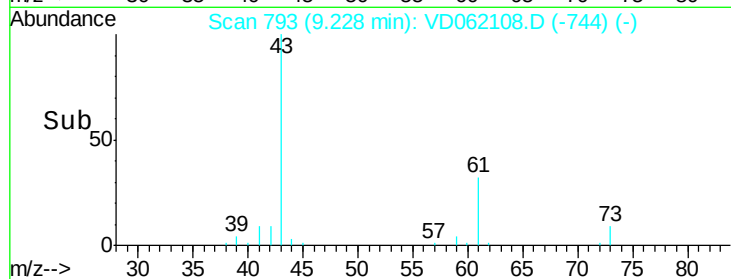
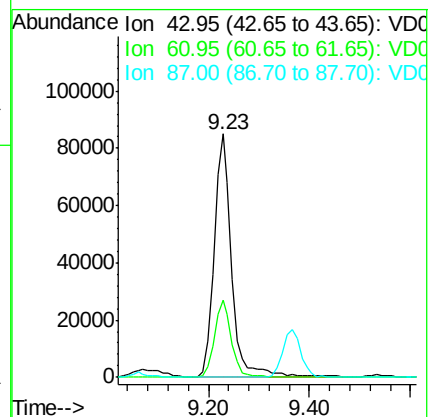
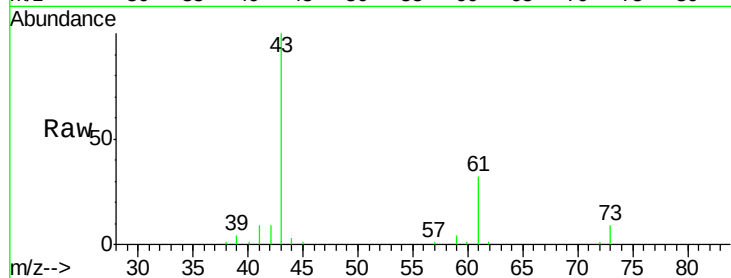
Tot Ion: 43 Resp: 208851

Ion Ratio Lower Upper

43 100

61 32.0 25.1 37.7

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 52.257 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD062108.D

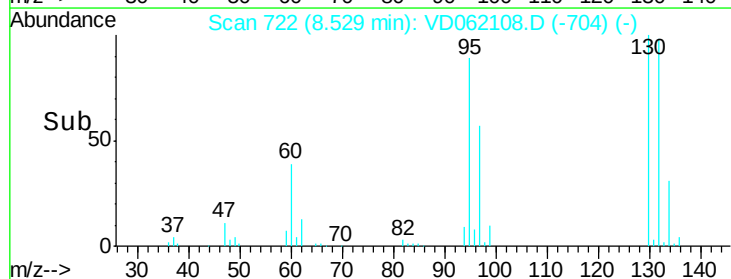
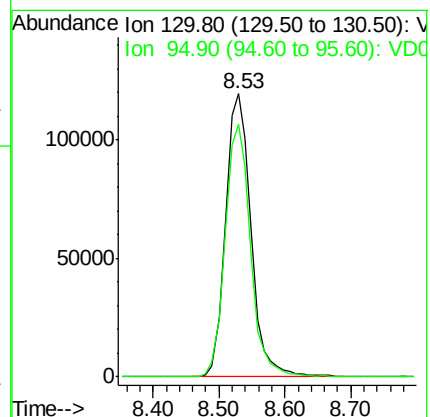
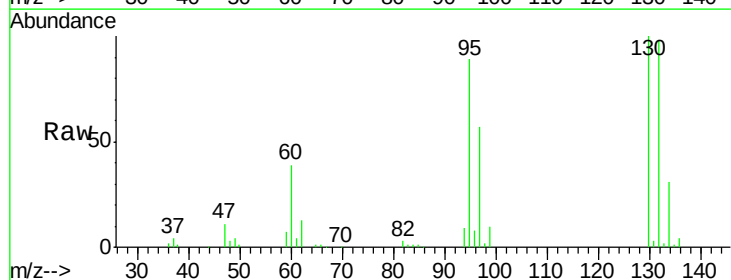
Acq: 2 May 2019 13:15

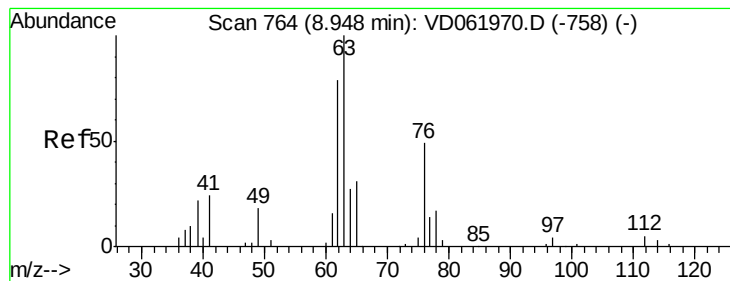
Tgt Ion:130 Resp: 322712

Ion Ratio Lower Upper

130 100

95 89.3 0.0 174.0





#45

1,2-Dichloropropane

Concen: 55.758 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

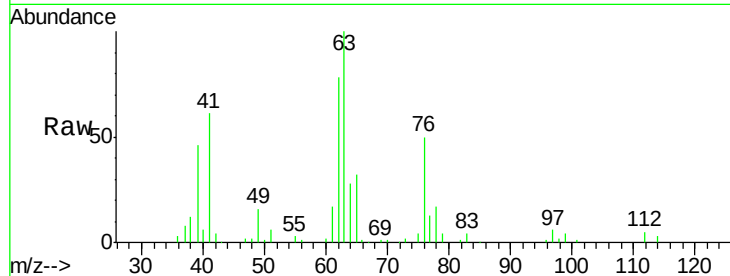
VSTDCCC050

Tot Ion: 63 Resp: 225318

Ion Ratio Lower Upper

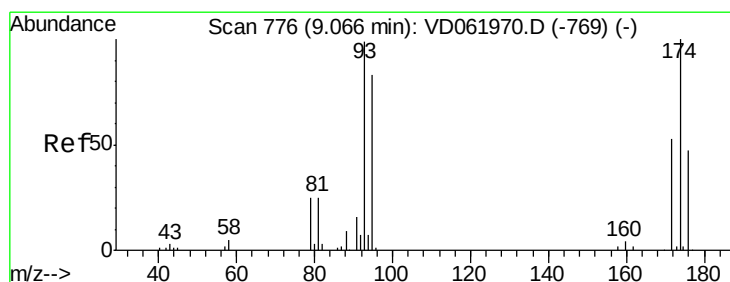
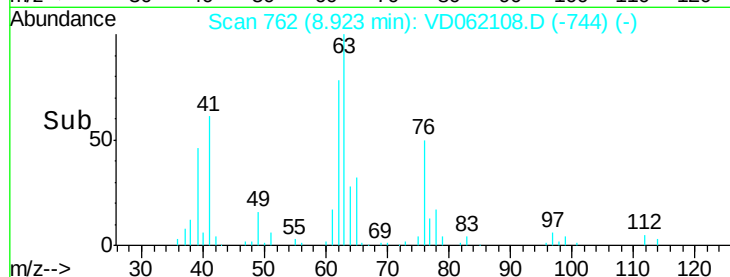
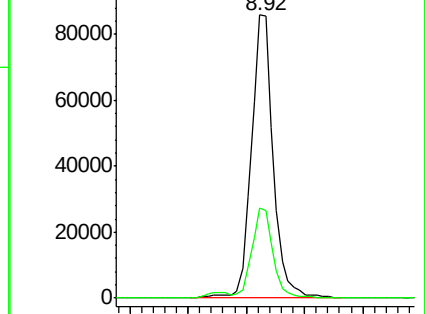
63 100

65 31.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.359 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

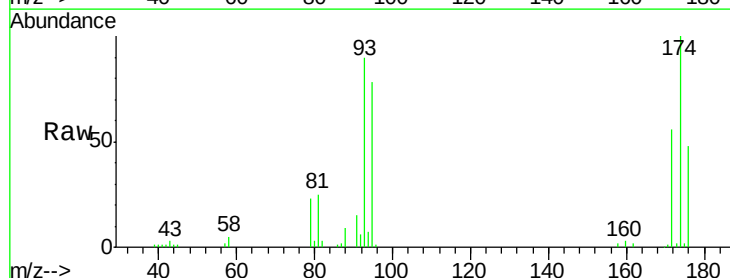
Tgt Ion: 93 Resp: 155154

Ion Ratio Lower Upper

93 100

95 86.8 64.8 97.2

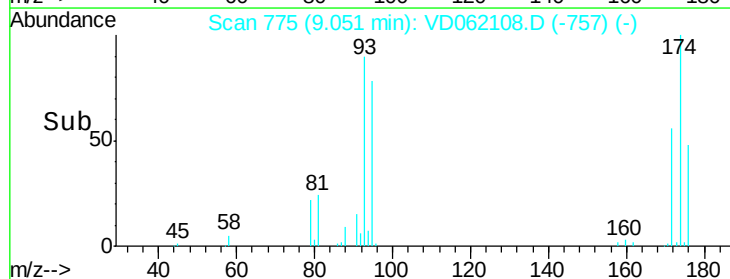
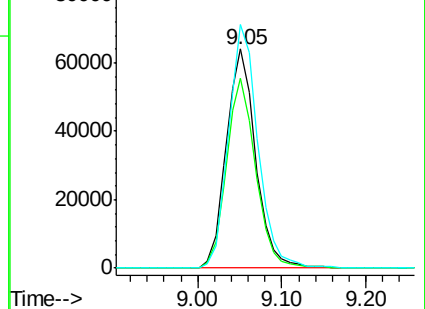
174 111.1 79.3 118.9

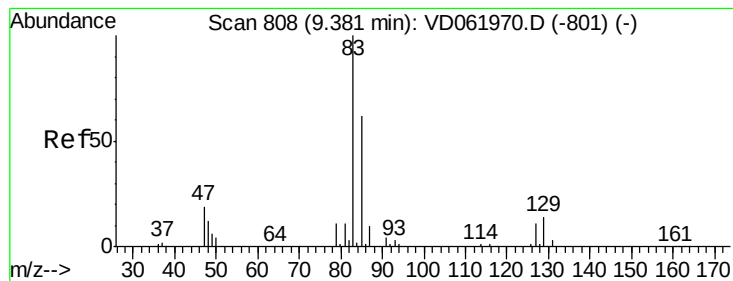


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 55.635 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

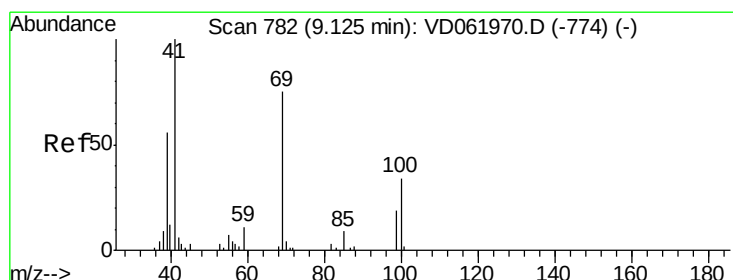
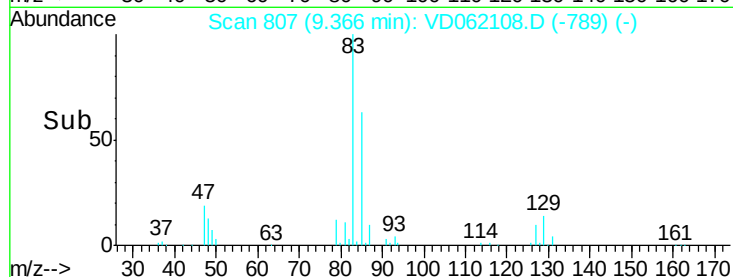
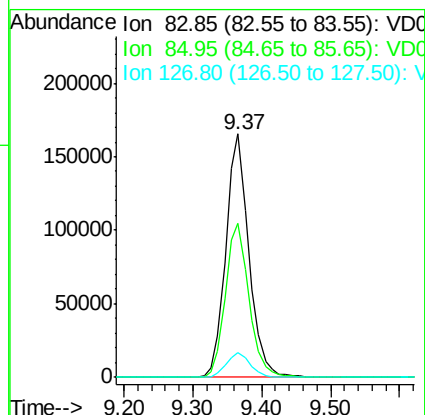
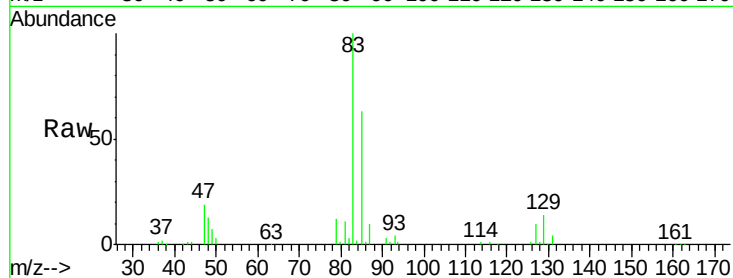
Tot Ion: 83 Resp: 382244

Ion Ratio Lower Upper

83 100

85 63.3 50.9 76.3

127 9.9 8.1 12.1



#48

Methyl methacrylate

Concen: 53.666 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

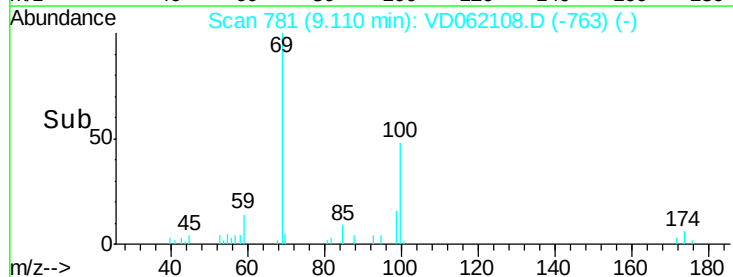
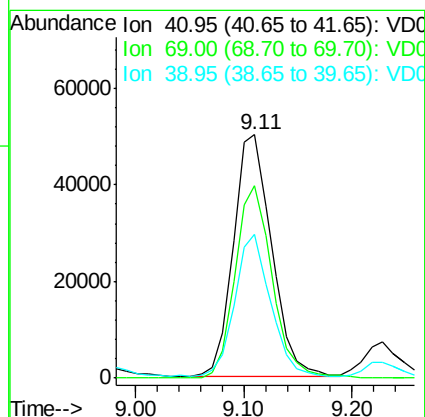
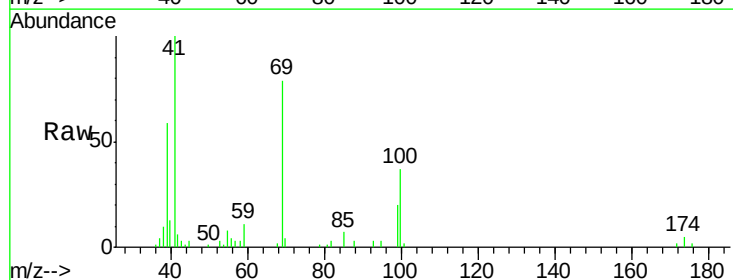
Tgt Ion: 41 Resp: 122667

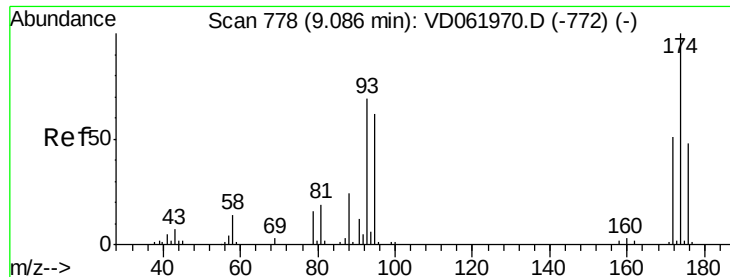
Ion Ratio Lower Upper

41 100

69 78.9 64.2 96.2

39 59.1 46.8 70.2

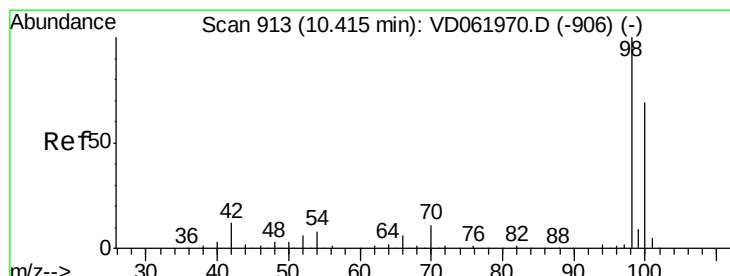
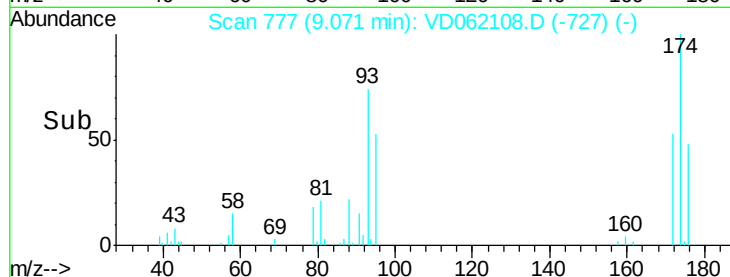
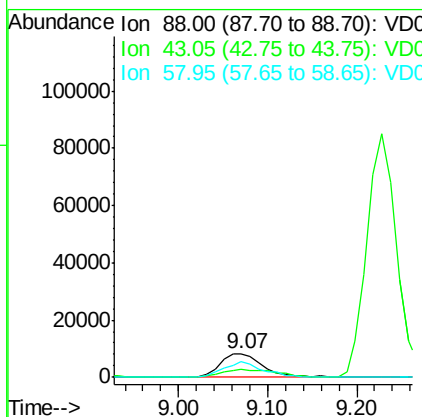
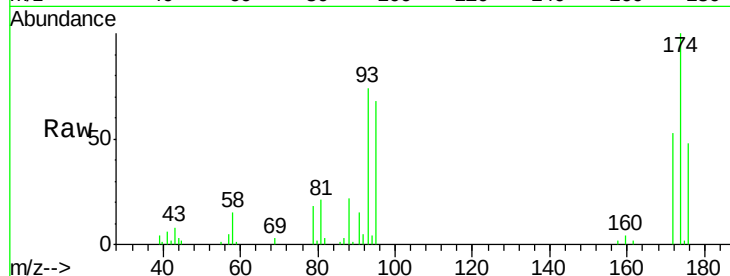




#49
1,4-Dioxane
Concen: 1090.026 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

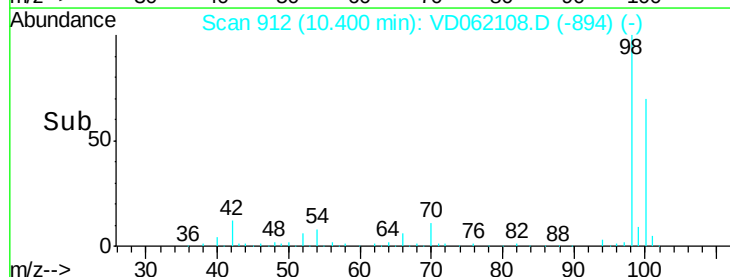
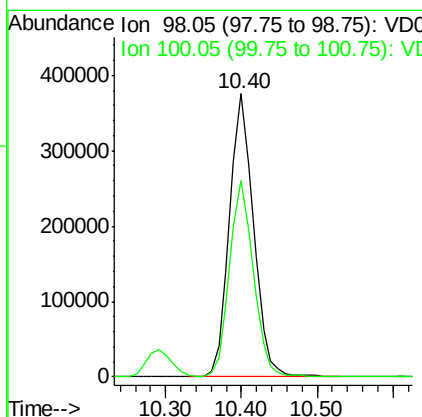
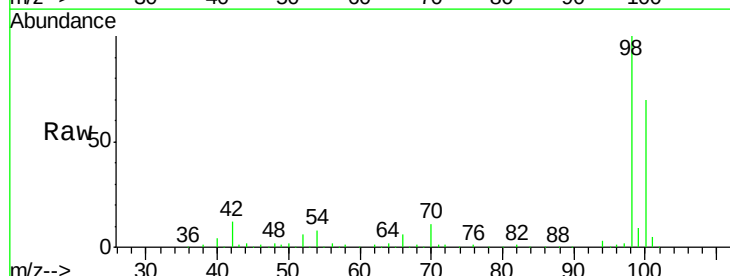
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

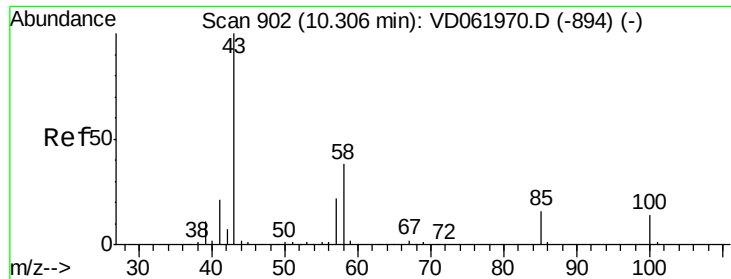
Tot Ion: 88 Resp: 26862
Ion Ratio Lower Upper
88 100
43 34.7 23.4 35.0
58 68.4 44.0 66.0#



#50
Toluene-d8
Concen: 60.795 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion: 98 Resp: 826235
Ion Ratio Lower Upper
98 100
100 69.6 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 269.643 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

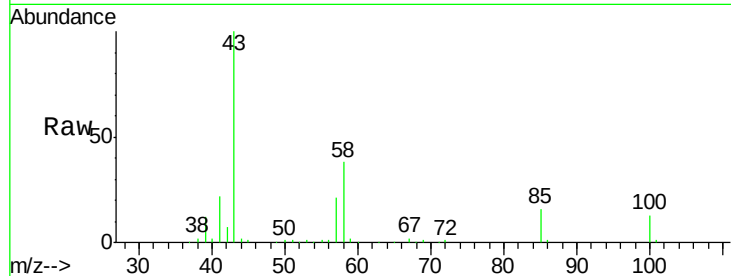
VSTDCCC050

Tot Ion: 43 Resp: 660638

Ion Ratio Lower Upper

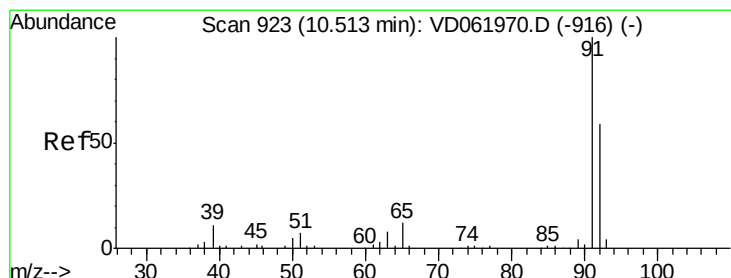
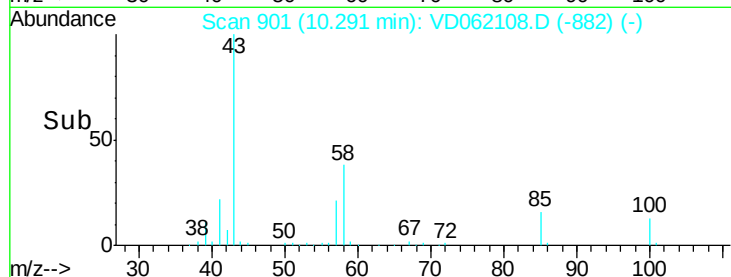
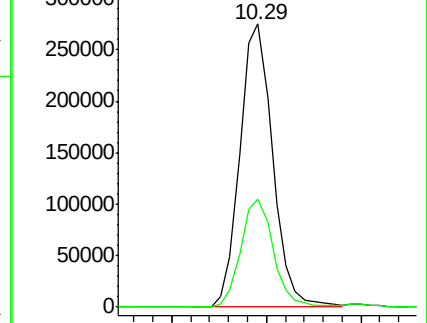
43 100

58 38.2 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.988 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062108.D

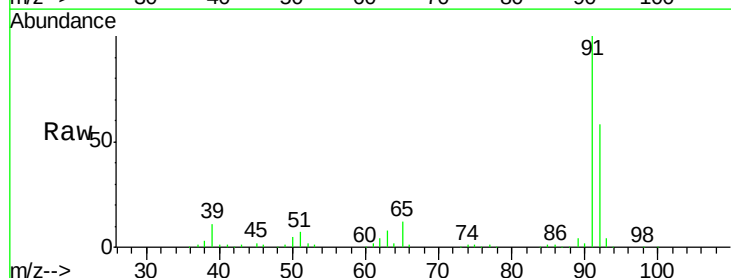
Acq: 2 May 2019 13:15

Tgt Ion: 92 Resp: 477239

Ion Ratio Lower Upper

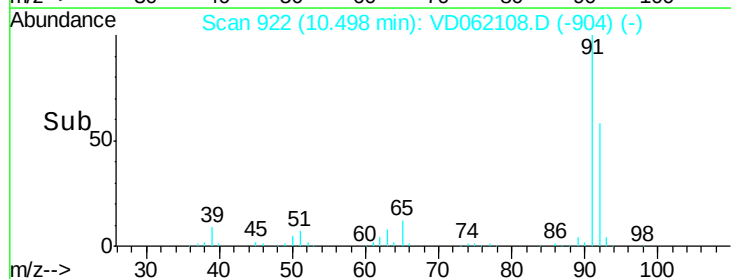
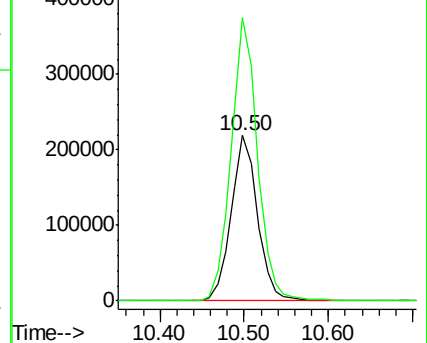
92 100

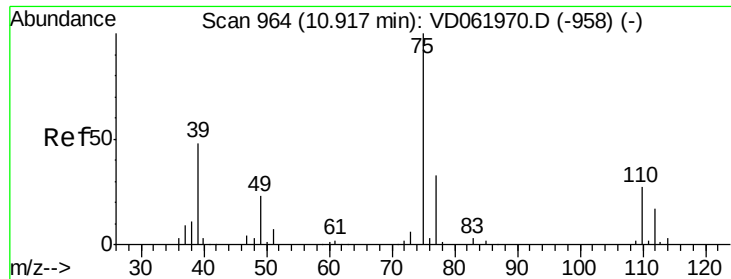
91 171.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

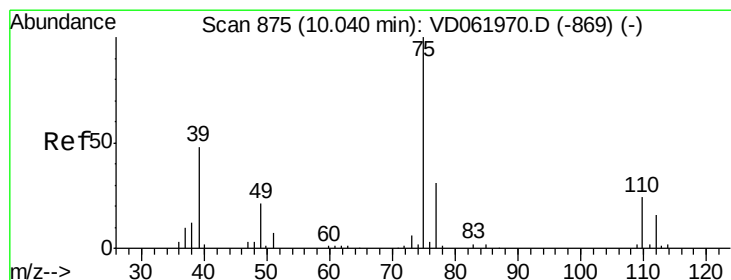
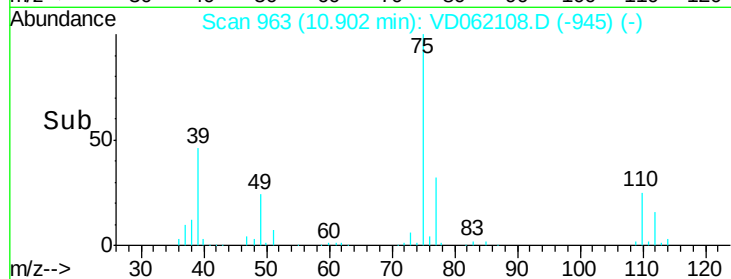
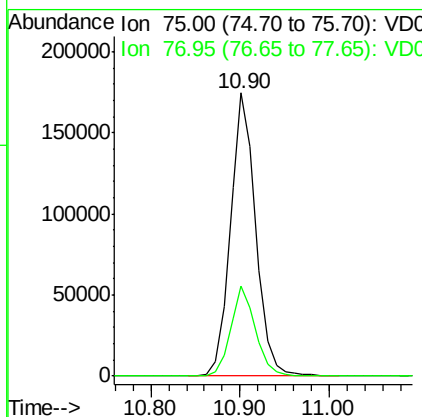
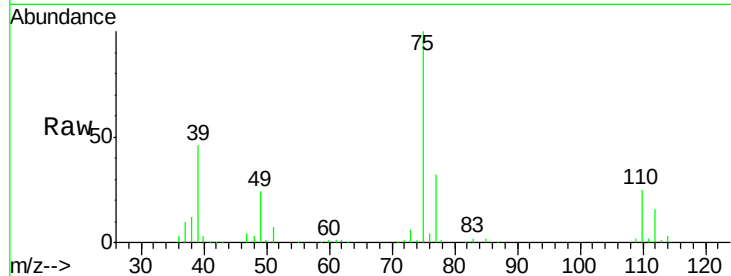




#53
 t-1,3-Dichloropropene
 Concen: 60.205 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

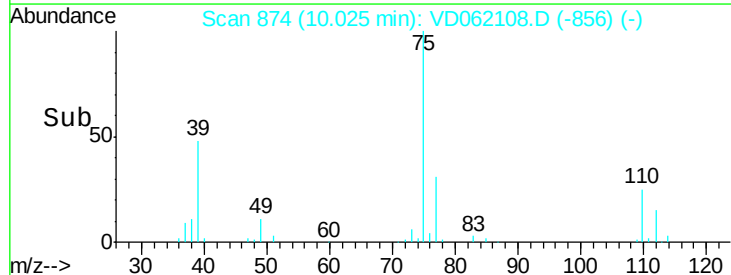
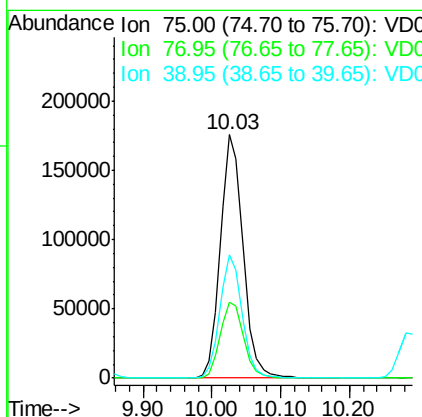
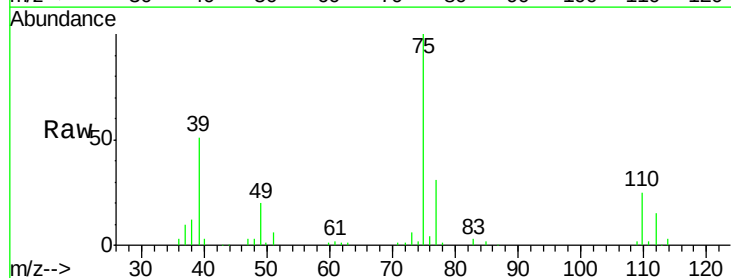
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

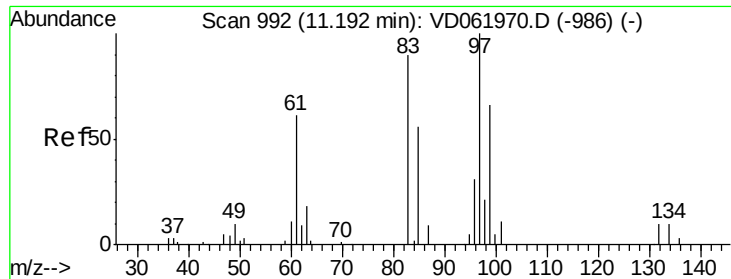
Tot Ion: 75 Resp: 347200
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 56.922 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Tgt Ion: 75 Resp: 399260
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.5 38.3
 39 50.6 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 54.430 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 185596

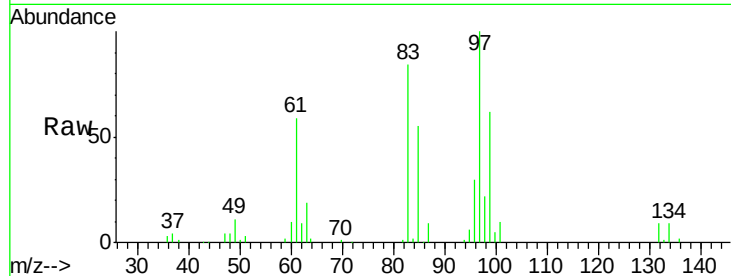
Ion Ratio Lower Upper

97 100

83 84.0 65.7 98.5

85 55.2 45.6 68.4

99 61.7 48.4 72.6

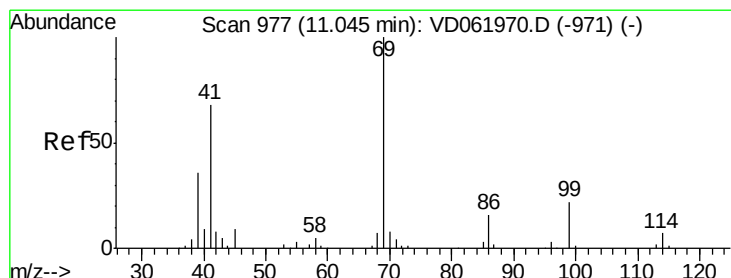
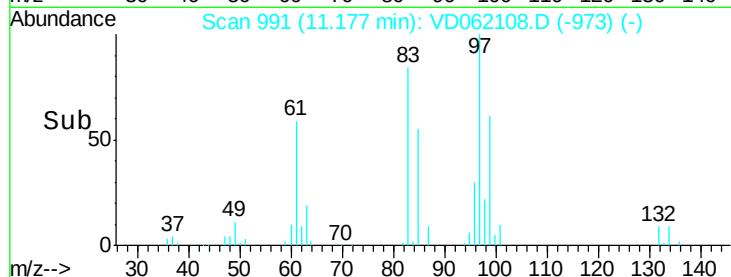
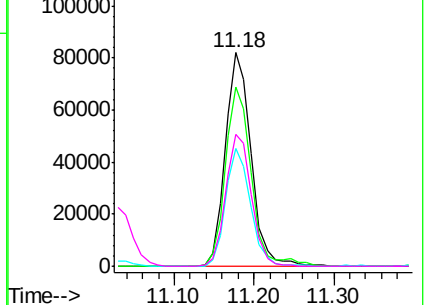


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 54.092 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.02 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

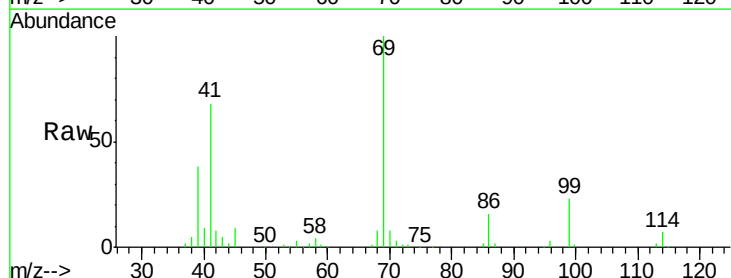
Tgt Ion: 69 Resp: 204277

Ion Ratio Lower Upper

69 100

41 68.1 56.3 84.5

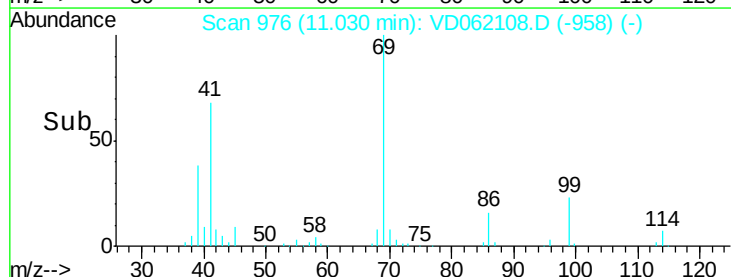
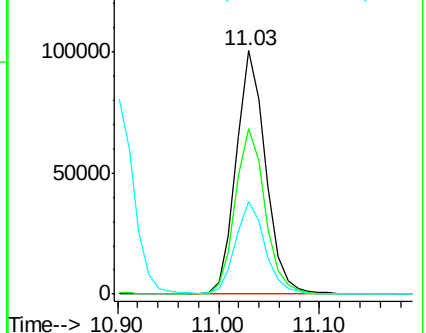
39 38.2 29.4 44.2

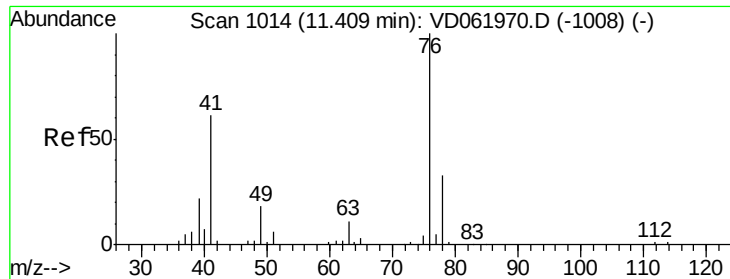


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

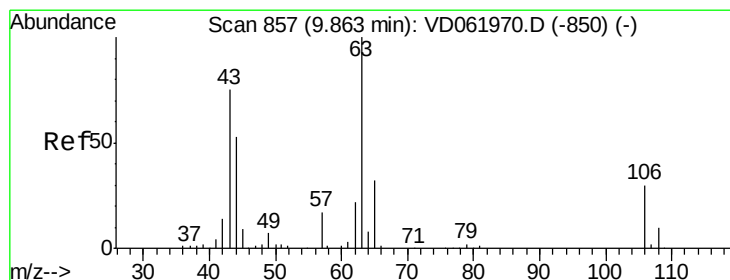
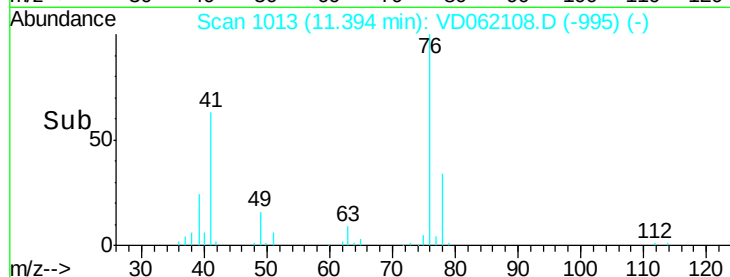
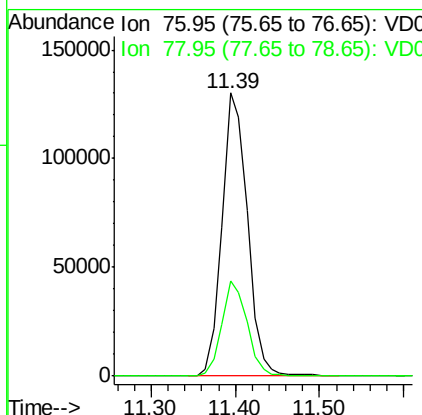
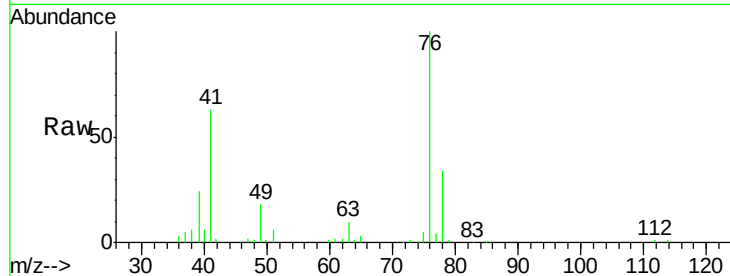




#57
 1,3-Dichloropropane
 Concen: 51.671 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

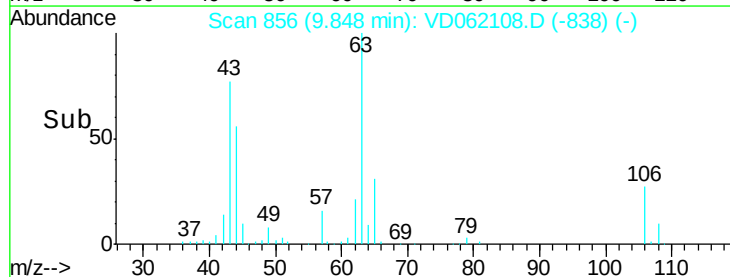
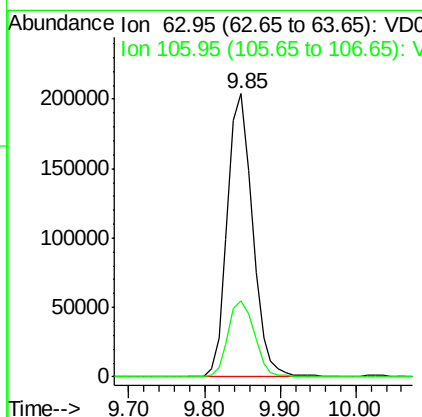
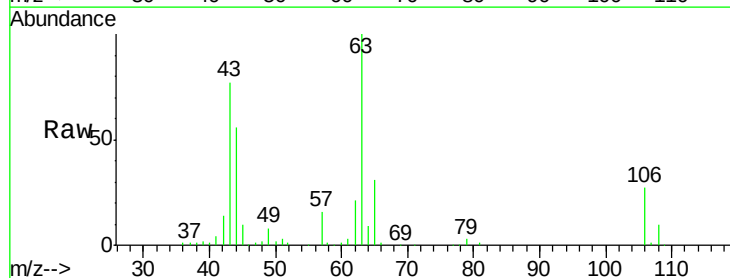
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

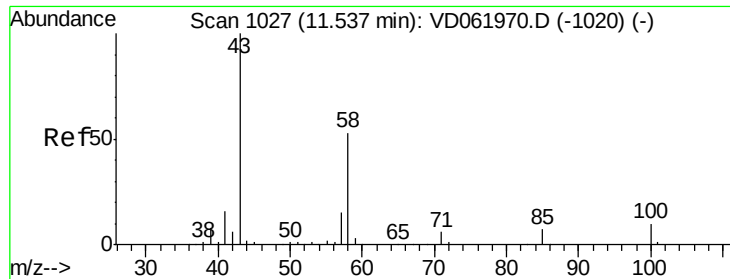
Tot Ion: 76 Resp: 272116
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.604 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Tgt Ion: 63 Resp: 471610
 Ion Ratio Lower Upper
 63 100
 106 26.8 22.6 34.0

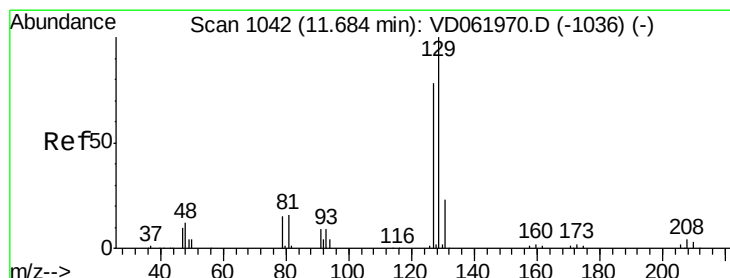
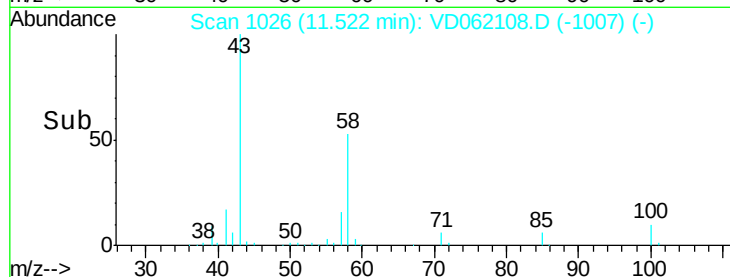
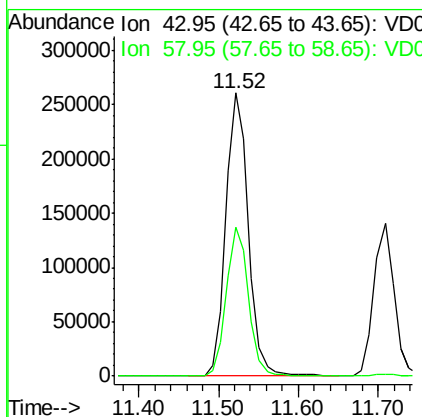
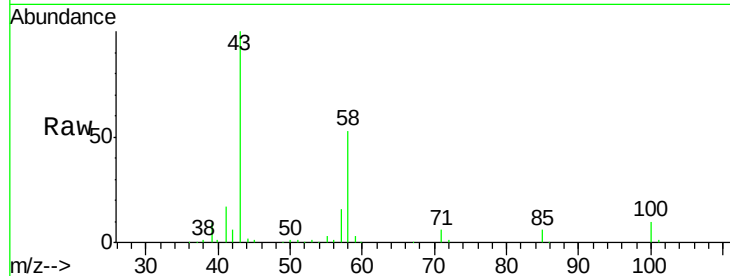




#59
2-Hexanone
Concen: 282.510 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

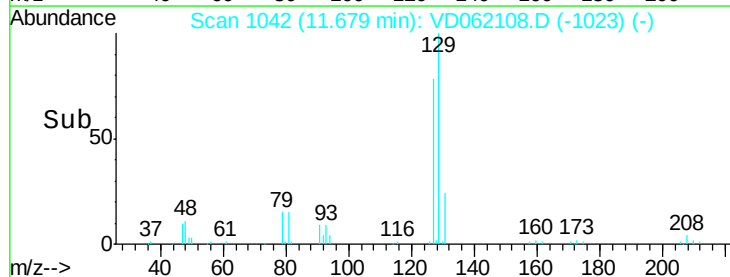
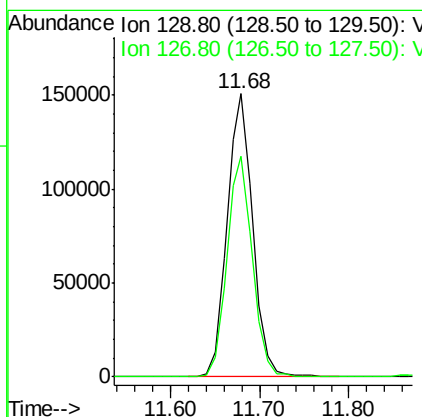
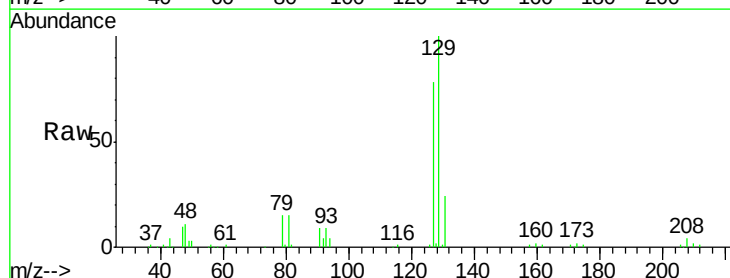
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

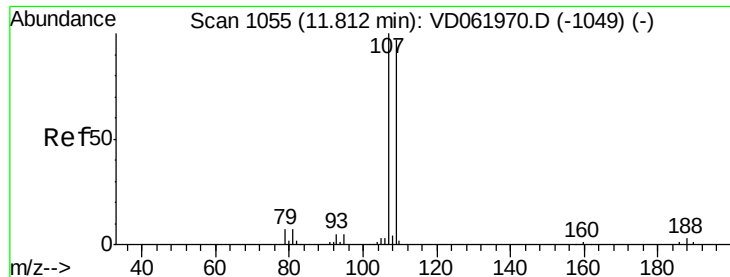
Tot Ion: 43 Resp: 519221
Ion Ratio Lower Upper
43 100
58 52.7 25.4 76.4



#60
Dibromochloromethane
Concen: 53.754 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion: 129 Resp: 303277
Ion Ratio Lower Upper
129 100
127 77.9 38.0 113.9

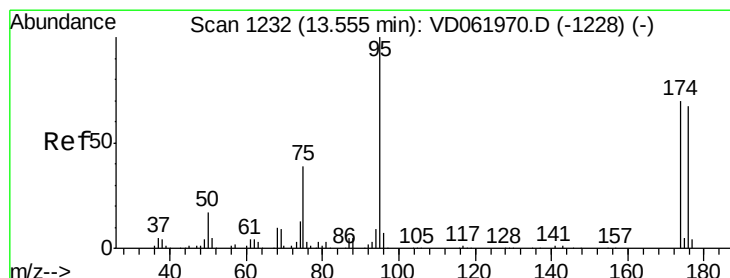
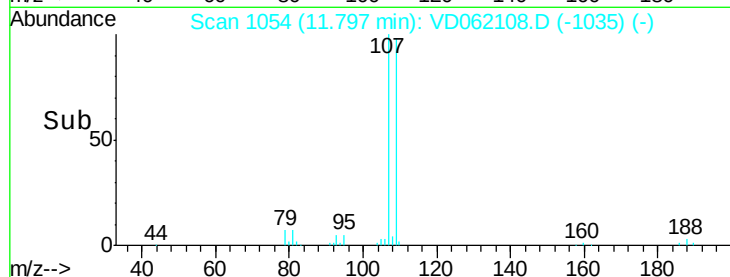
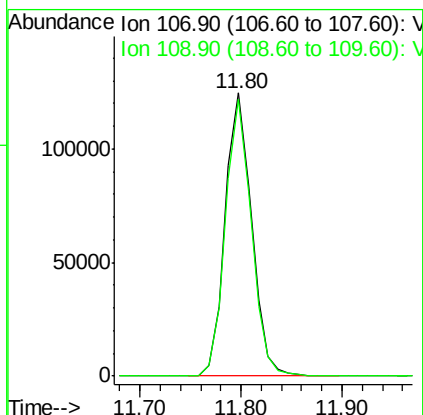
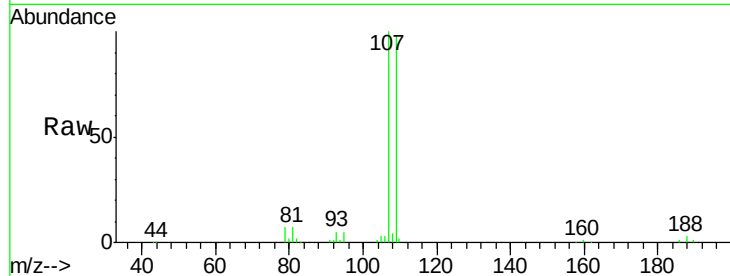




#61
 1,2-Dibromoethane
 Concen: 56.187 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

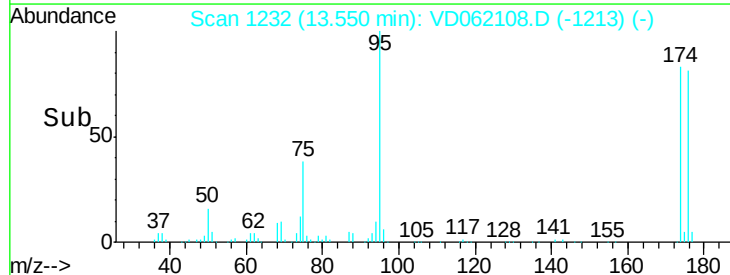
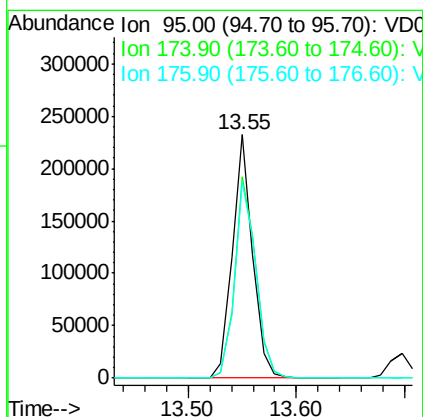
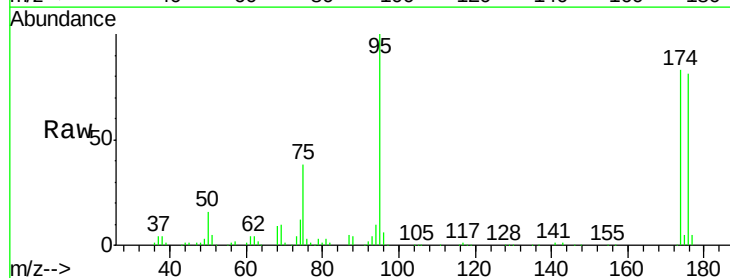
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

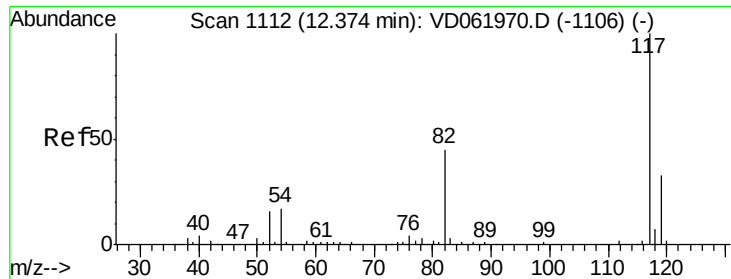
Tot Ion:107 Resp: 227268
 Ion Ratio Lower Upper
 107 100
 109 98.0 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 55.423 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Tgt Ion: 95 Resp: 302114
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 181.8
 176 80.6 0.0 174.4

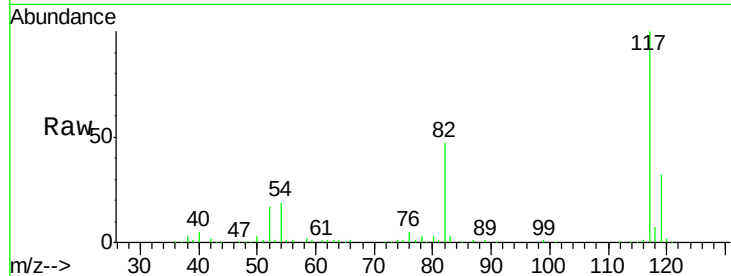




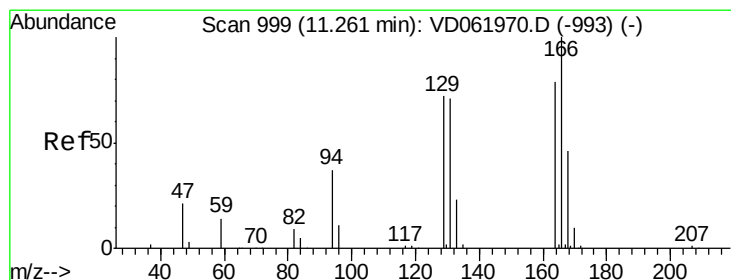
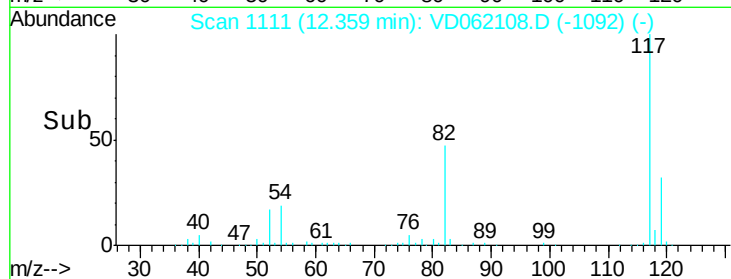
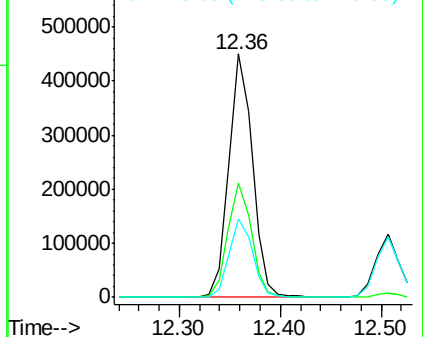
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 734160
Ion Ratio Lower Upper
117 100
82 47.0 36.2 54.2
119 32.2 26.2 39.4

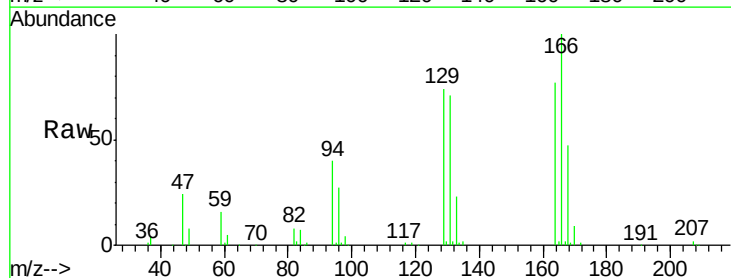


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

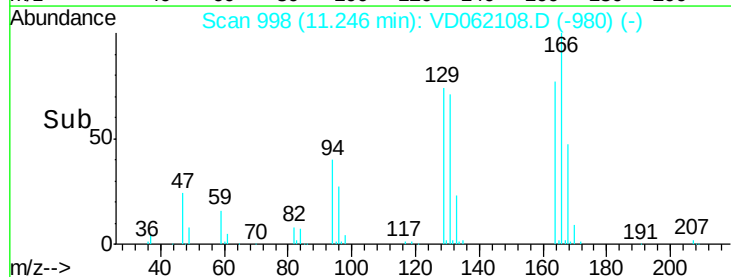
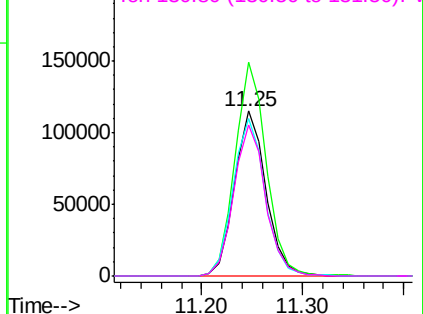


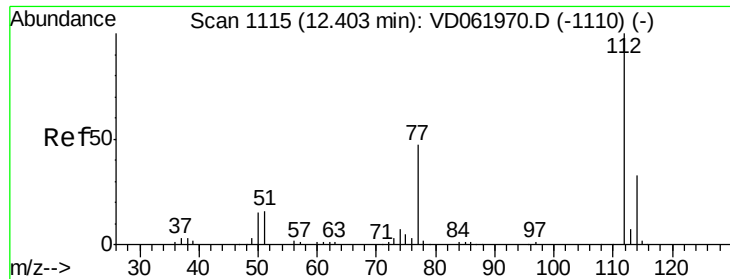
#64
Tetrachloroethene
Concen: 47.476 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion:164 Resp: 248638
Ion Ratio Lower Upper
164 100
166 129.6 101.5 152.3
129 95.5 74.6 112.0
131 91.4 72.6 108.8



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





#65

Chlorobenzene

Concen: 48.294 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

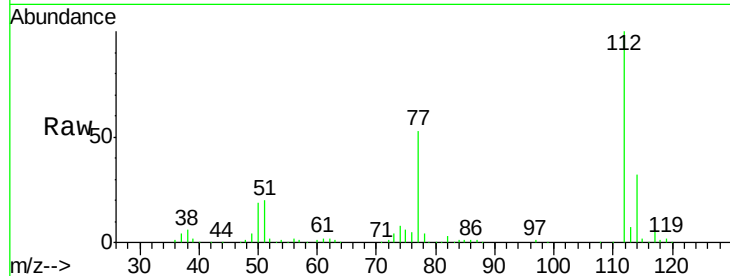
VSTDCCC050

Tot Ion:112 Resp: 669976

Ion Ratio Lower Upper

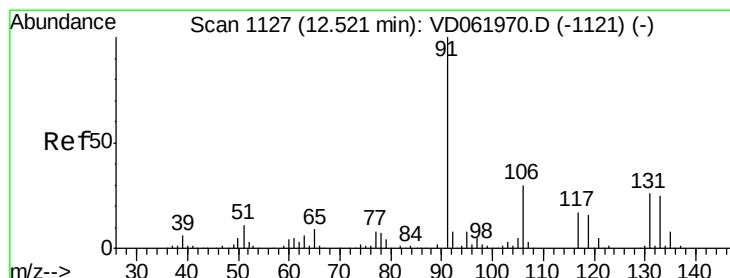
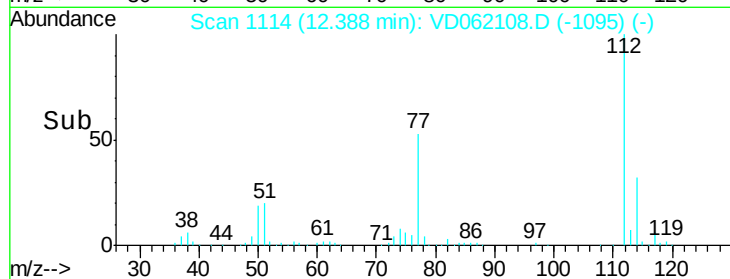
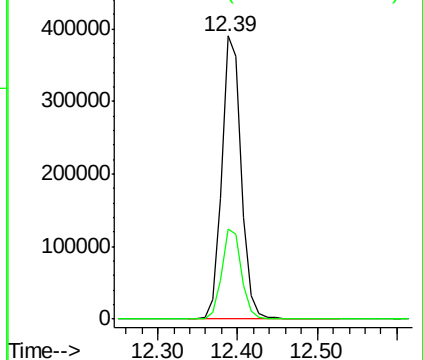
112 100

114 31.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.083 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

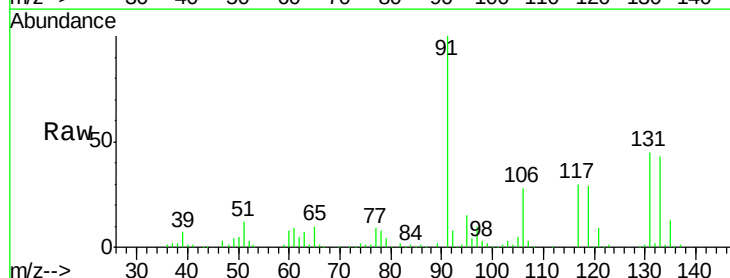
Tgt Ion:131 Resp: 282953

Ion Ratio Lower Upper

131 100

133 96.7 48.6 145.8

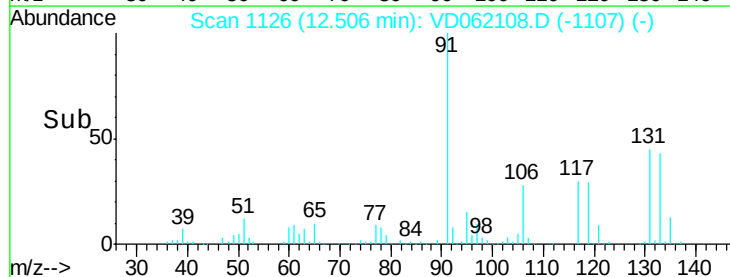
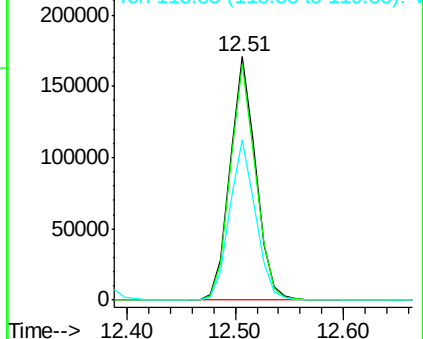
119 65.8 34.7 104.1

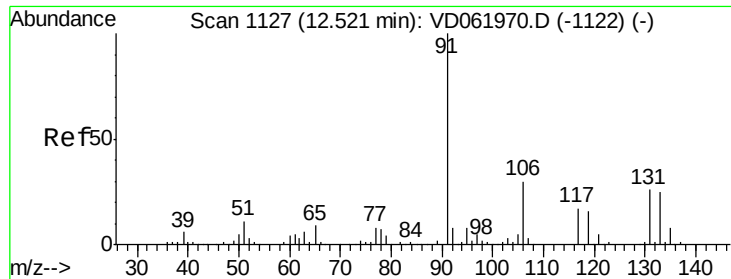


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

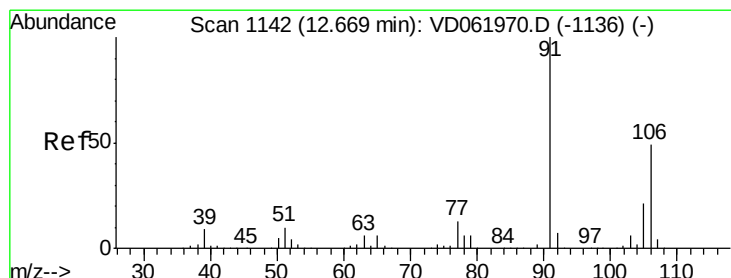
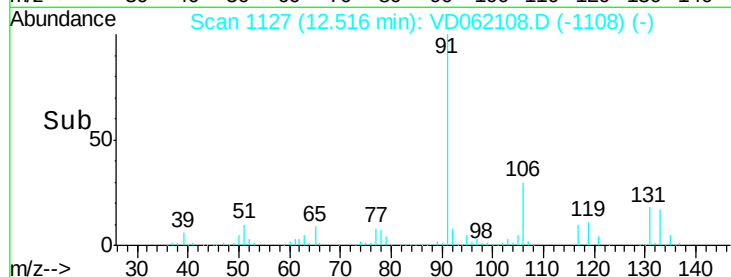
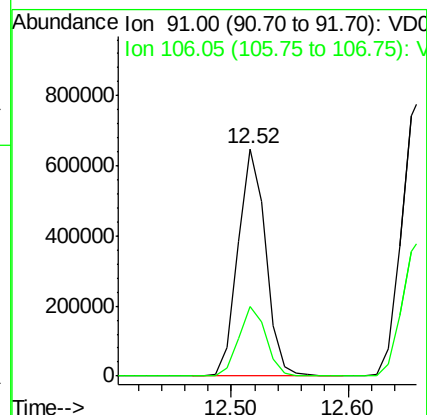
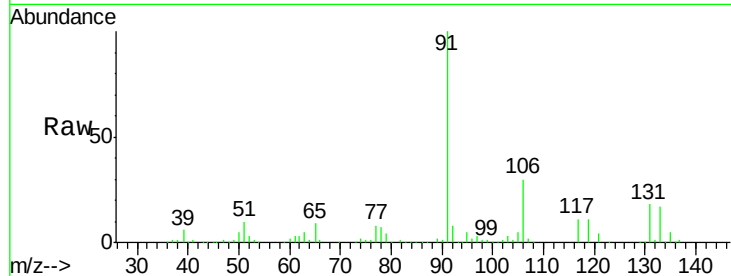




#67
Ethyl Benzene
Concen: 47.121 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

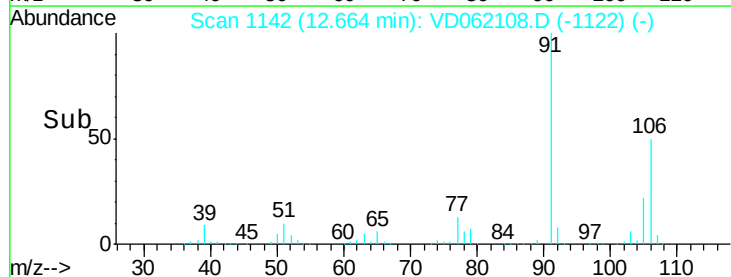
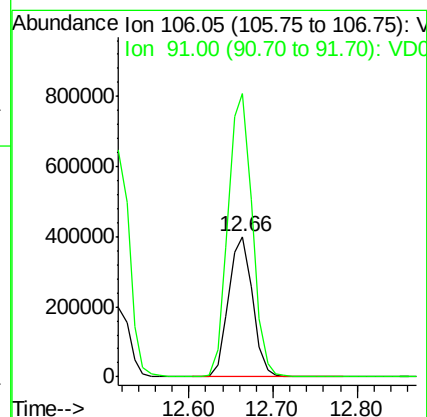
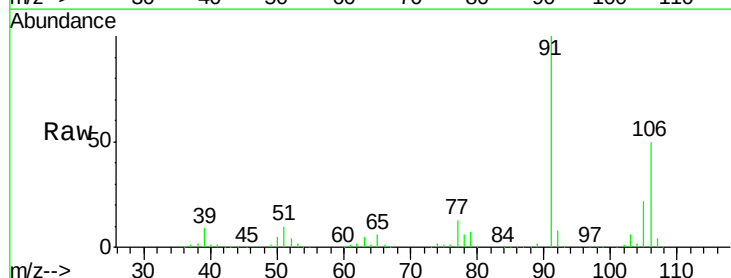
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

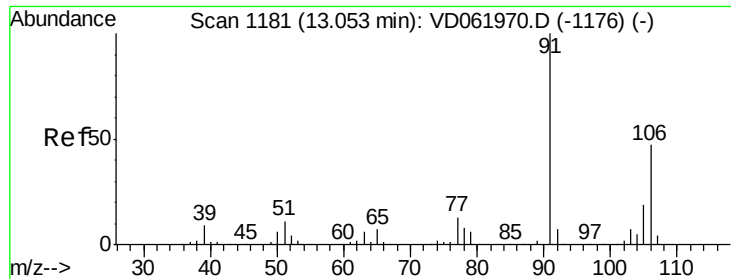
Tot Ion: 91 Resp: 1066978
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1



#68
m/p-Xylenes
Concen: 96.556 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion: 106 Resp: 790201
Ion Ratio Lower Upper
106 100
91 201.5 164.0 246.0

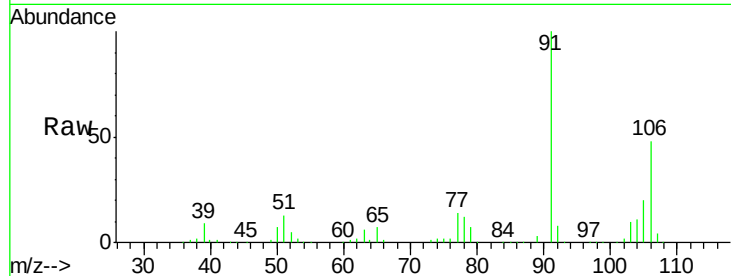




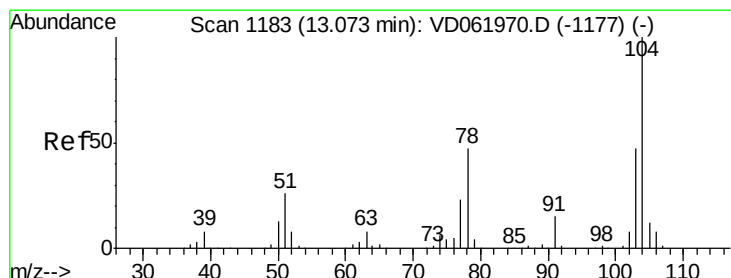
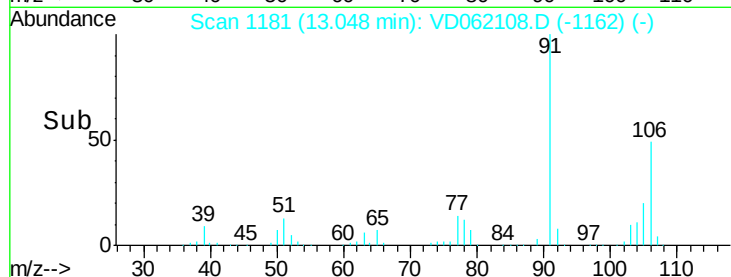
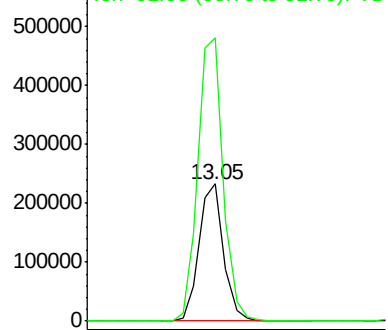
#69
o-Xylene
Concen: 49.119 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 367807
Ion Ratio Lower Upper
106 100
91 206.3 106.7 319.9

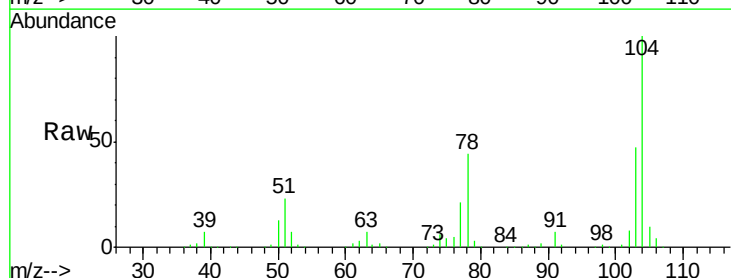


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

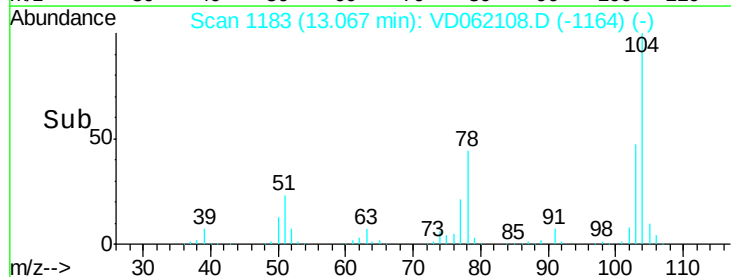
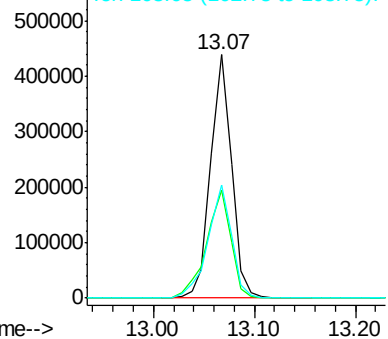


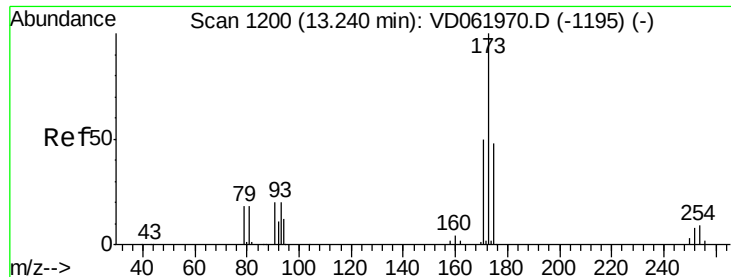
#70
Styrene
Concen: 48.979 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion:104 Resp: 633276
Ion Ratio Lower Upper
104 100
78 44.5 35.4 53.2
103 46.5 37.5 56.3



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

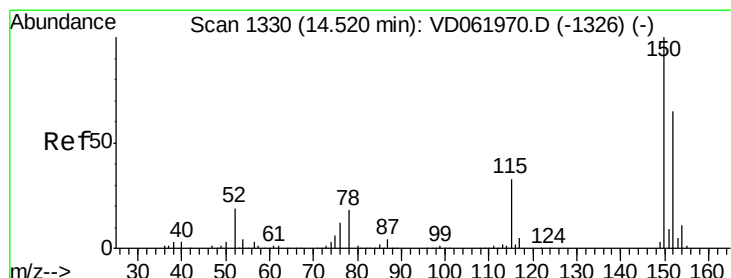
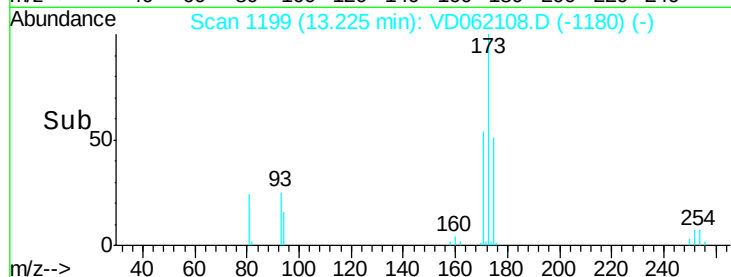
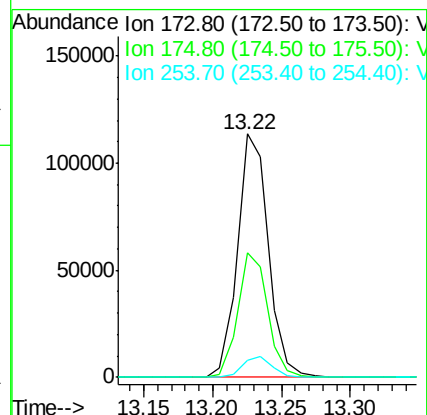
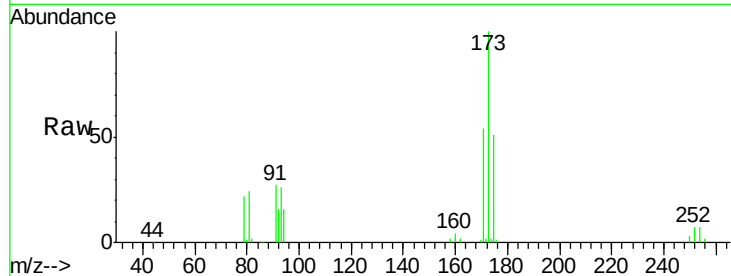




#71
Bromoform
Concen: 52.565 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

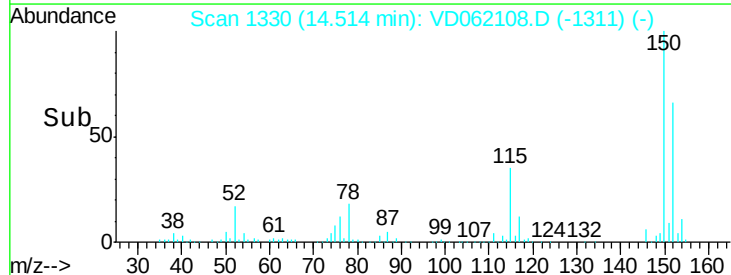
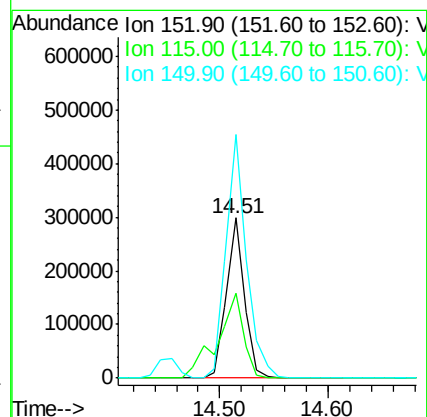
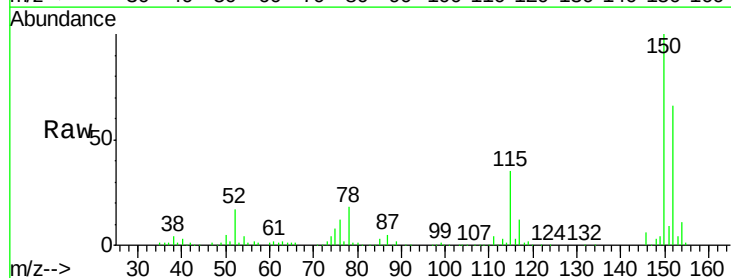
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

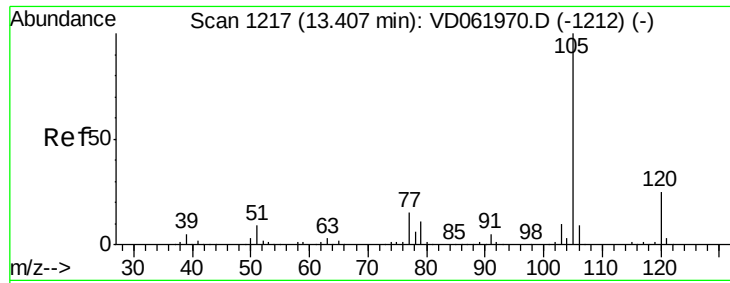
Tot Ion:173 Resp: 176352
Ion Ratio Lower Upper
173 100
175 50.9 24.4 73.4
254 6.9 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion:152 Resp: 345117
Ion Ratio Lower Upper
152 100
115 53.4 30.9 92.7
150 152.2 0.0 314.8





#73

Isopropylbenzene

Concen: 45.980 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

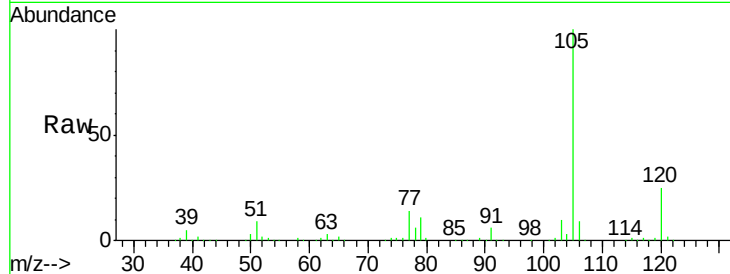
VSTDCCC050

Tot Ion:105 Resp: 1058530

Ion Ratio Lower Upper

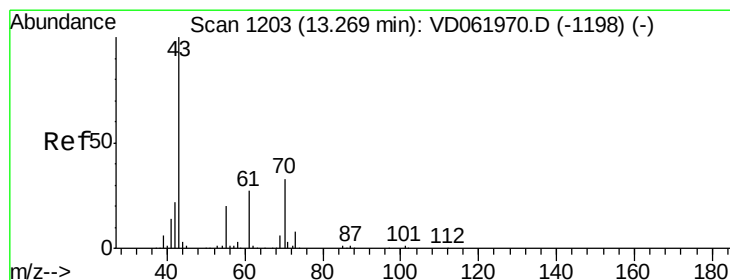
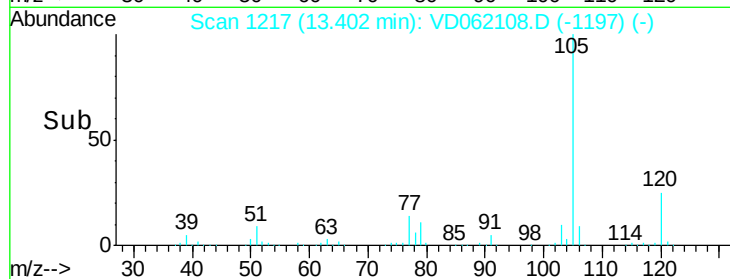
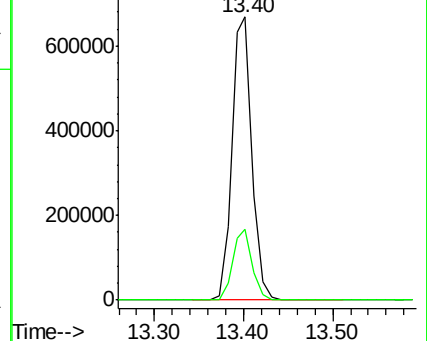
105 100

120 25.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.491 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Tgt Ion: 43 Resp: 287497

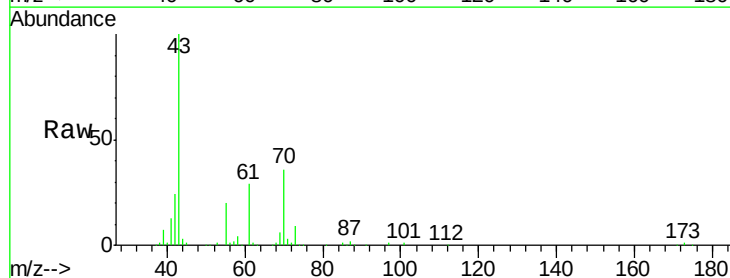
Ion Ratio Lower Upper

43 100

70 36.5 24.2 36.4#

55 20.0 16.0 24.0

61 28.7 21.6 32.4

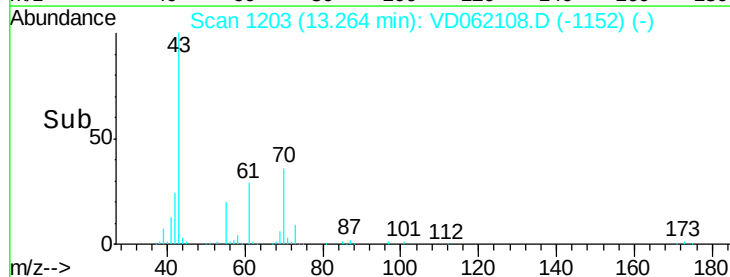
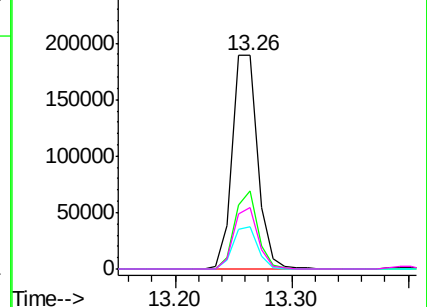


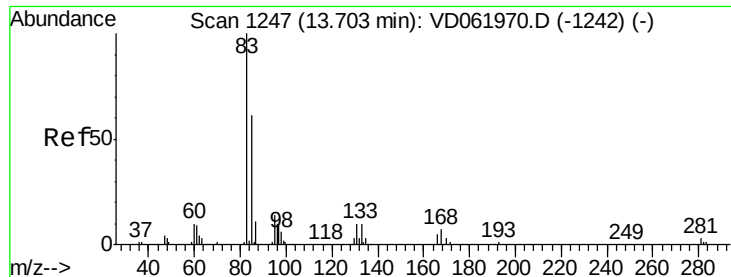
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.652 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

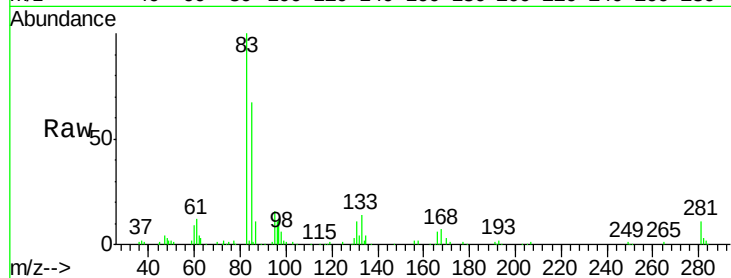
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 210467

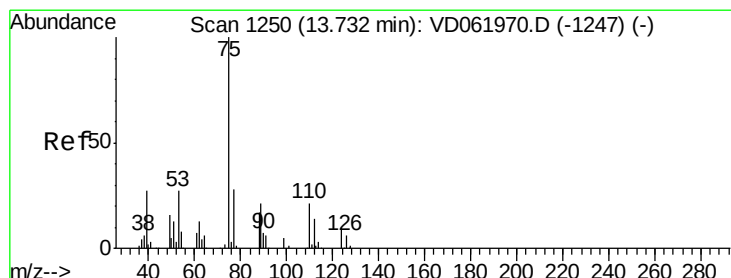
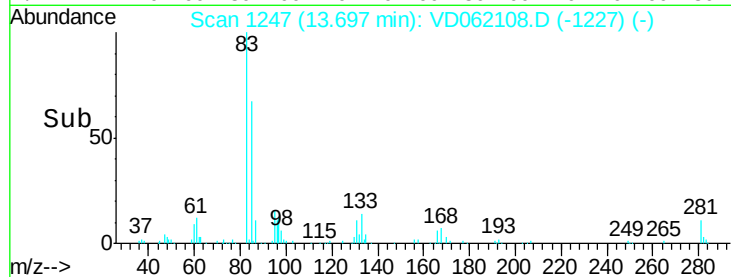
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.0	14.9
85	66.9	32.6	97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 47.070 ug/l

RT: 13.73 min Scan# 1250

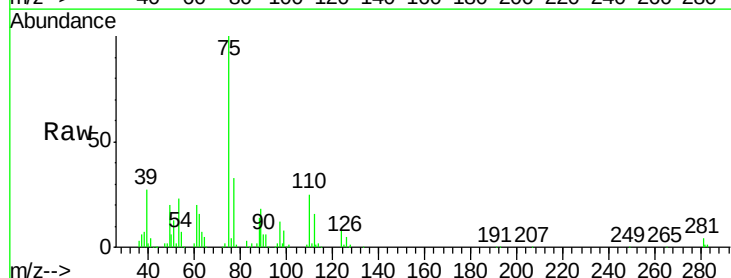
Delta R.T. -0.01 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

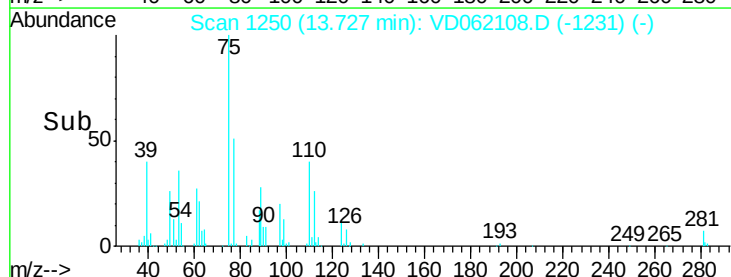
Tgt Ion: 75 Resp: 206283

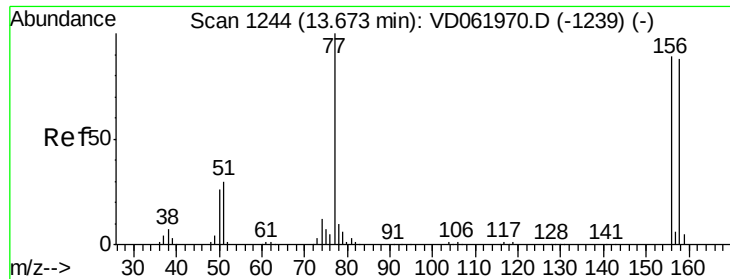
Ion	Ratio	Lower	Upper
75	100		
77	33.0	16.4	49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 47.061 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

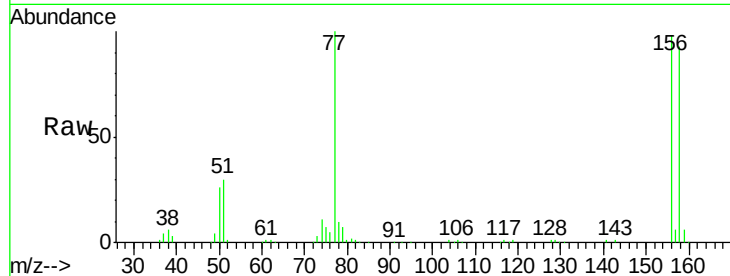
Tot Ion:156 Resp: 310797

Ion Ratio Lower Upper

156 100

77 102.5 53.1 159.4

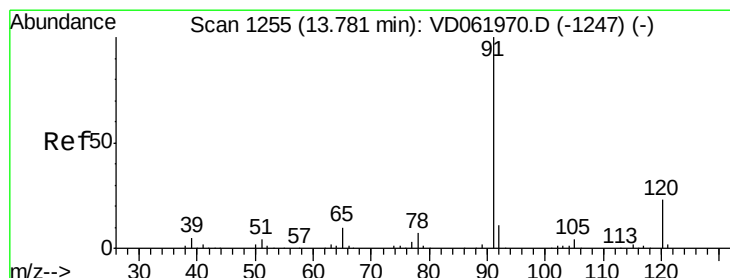
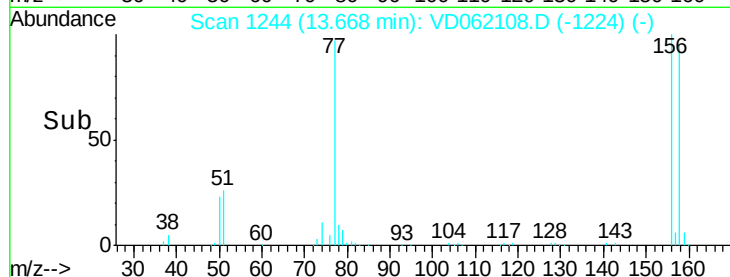
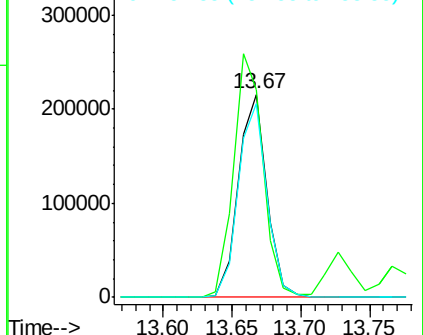
158 95.5 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 45.873 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062108.D

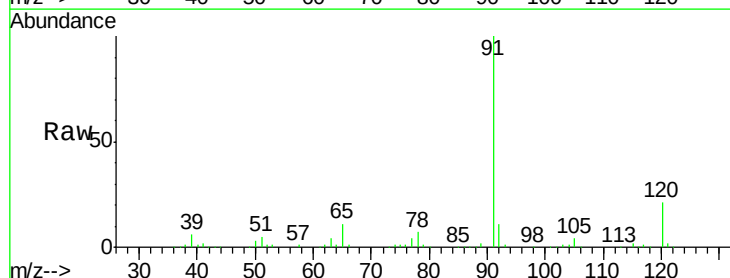
Acq: 2 May 2019 13:15

Tgt Ion: 91 Resp: 1208943

Ion Ratio Lower Upper

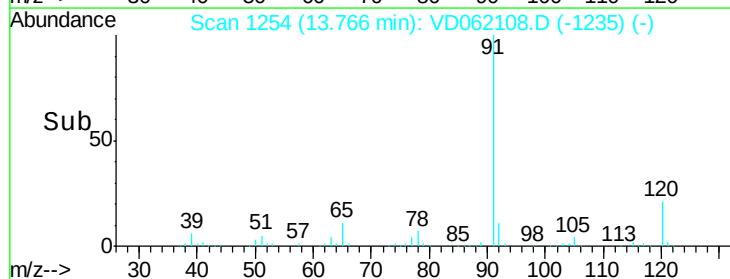
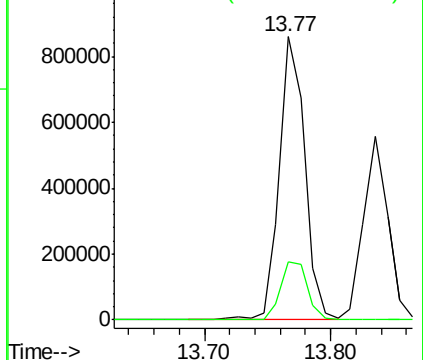
91 100

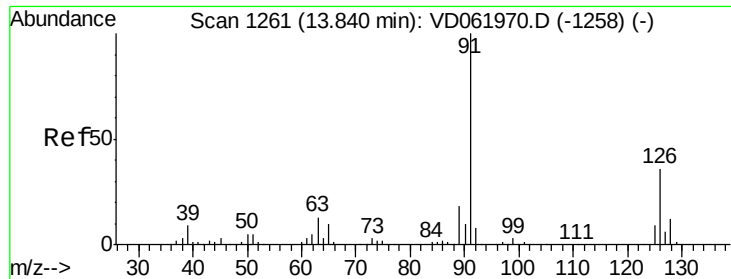
120 20.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 46.702 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

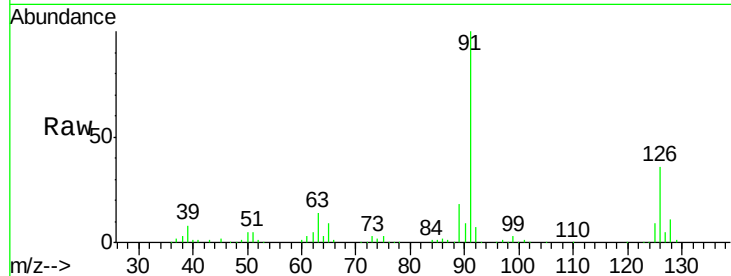
VSTDCCC050

Tot Ion: 91 Resp: 745515

Ion Ratio Lower Upper

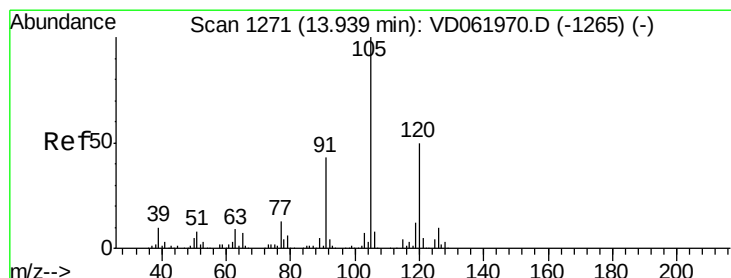
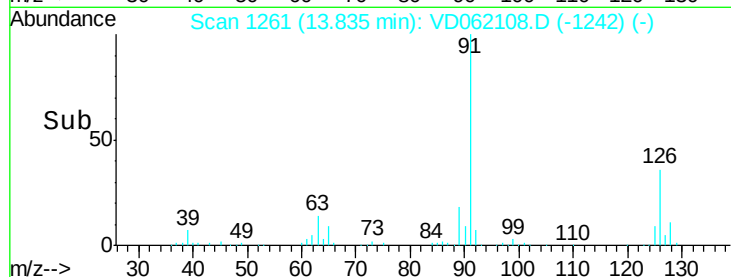
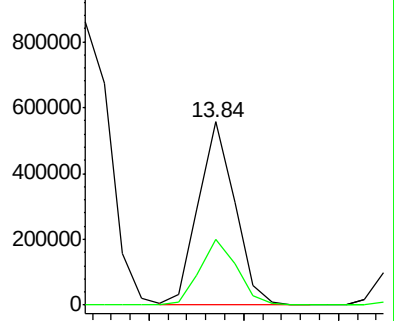
91 100

126 36.2 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.132 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062108.D

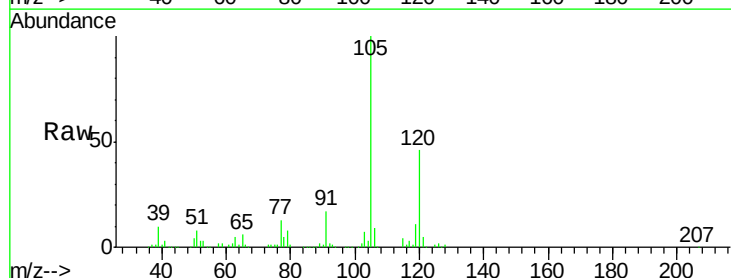
Acq: 2 May 2019 13:15

Tgt Ion:105 Resp: 846836

Ion Ratio Lower Upper

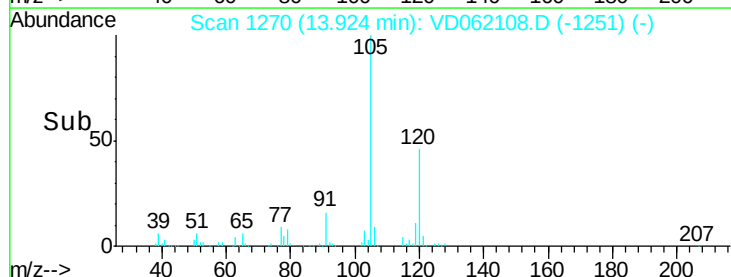
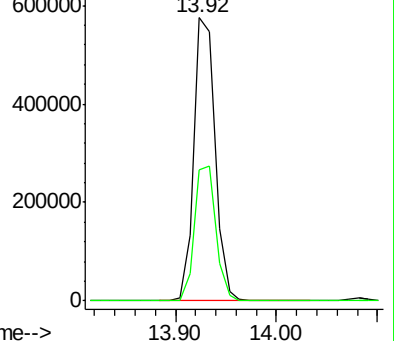
105 100

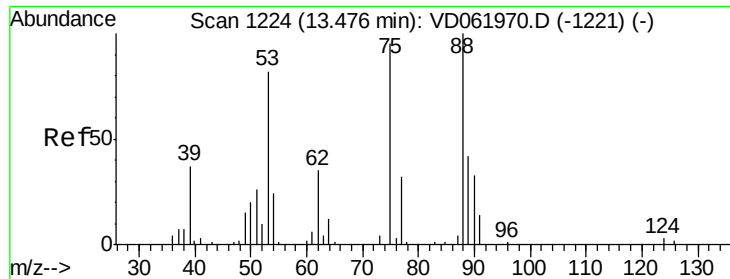
120 46.2 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)

Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)

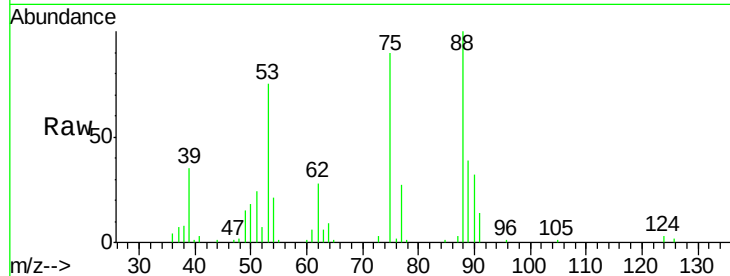




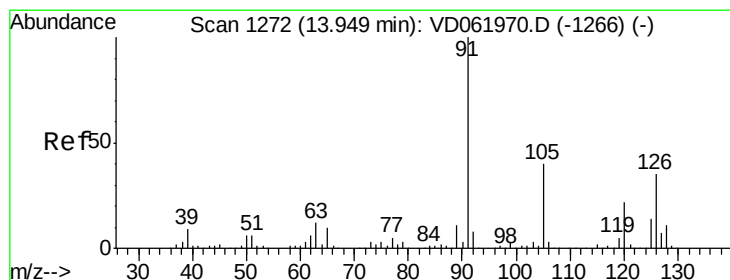
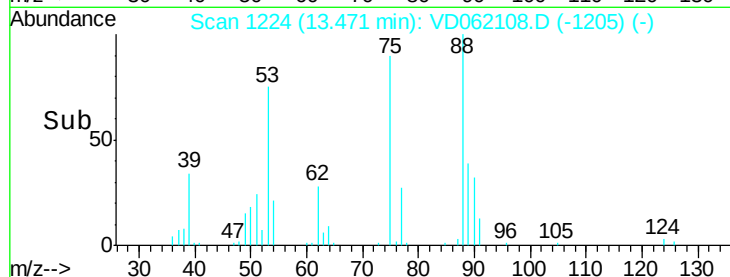
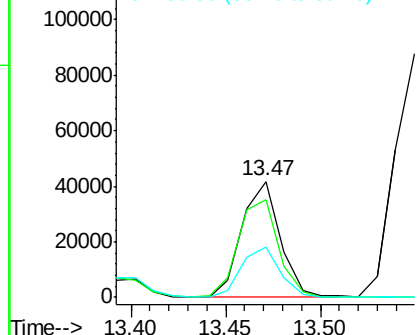
#81
trans-1,4-Dichloro-2-butene
Concen: 44.082 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 58543
Ion Ratio Lower Upper
75 100
53 84.0 65.8 98.8
89 43.5 35.0 52.6

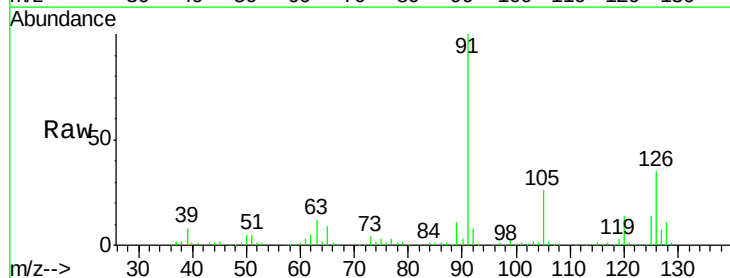


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

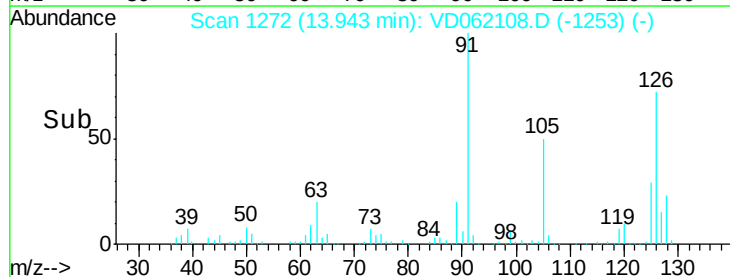
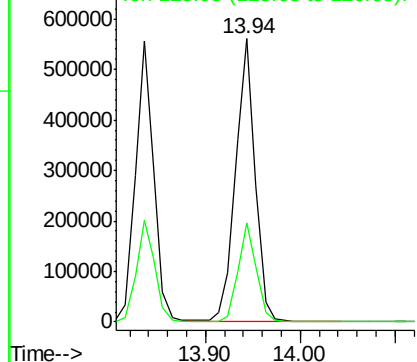


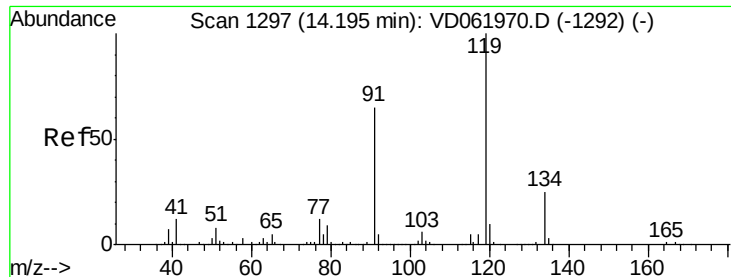
#82
4-Chlorotoluene
Concen: 45.561 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062108.D
Acq: 2 May 2019 13:15

Tgt Ion: 91 Resp: 800964
Ion Ratio Lower Upper
91 100
126 35.0 19.1 57.5



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

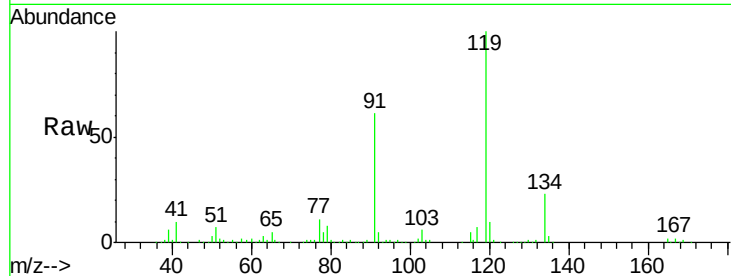




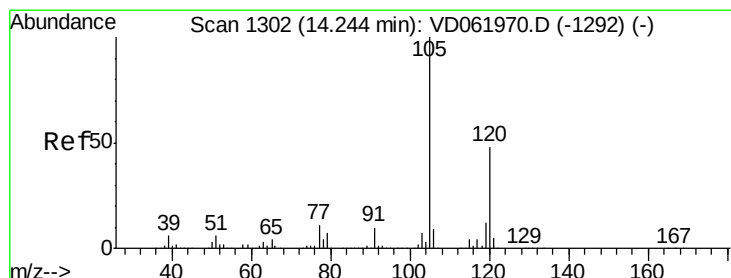
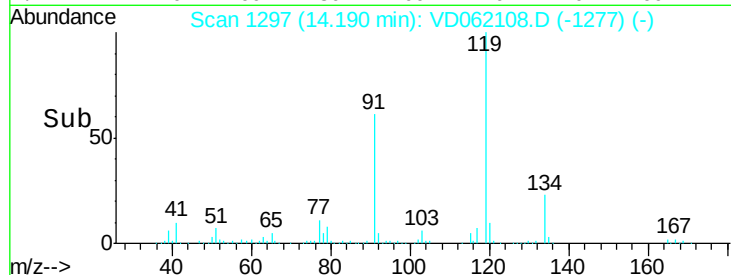
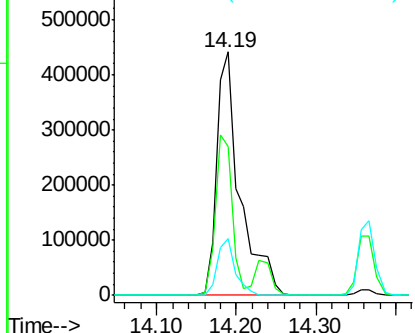
#83
 tert-Butylbenzene
 Concen: 42.588 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 905642
 Ion Ratio Lower Upper
 119 100
 91 61.1 34.2 102.6
 134 23.2 12.0 36.0

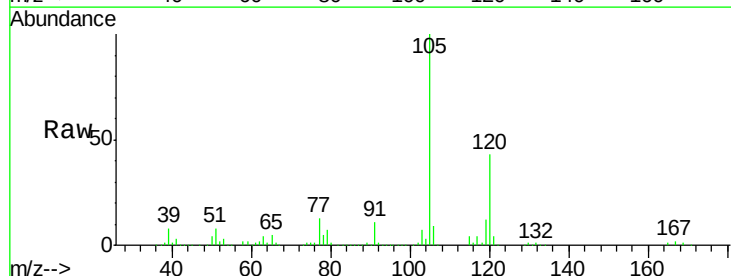


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

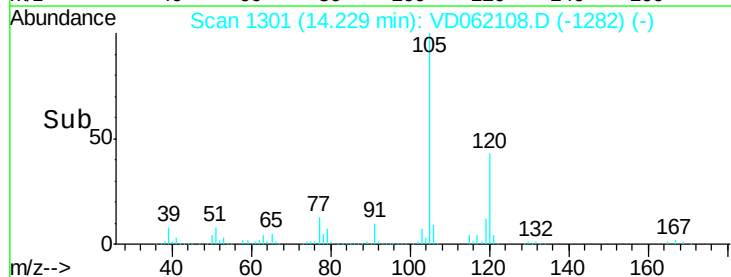
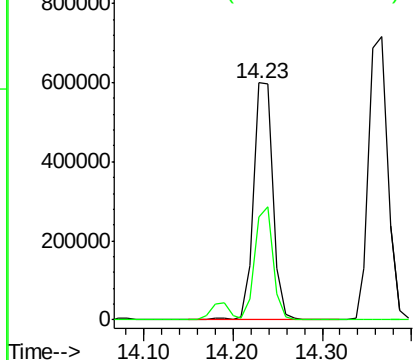


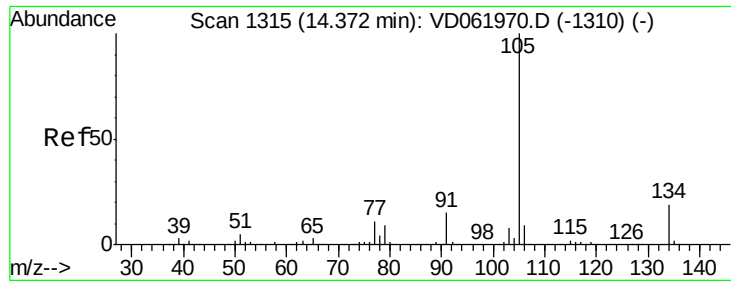
#84
 1,2,4-Trimethylbenzene
 Concen: 50.731 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Tgt Ion:105 Resp: 889198
 Ion Ratio Lower Upper
 105 100
 120 43.4 23.1 69.2



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

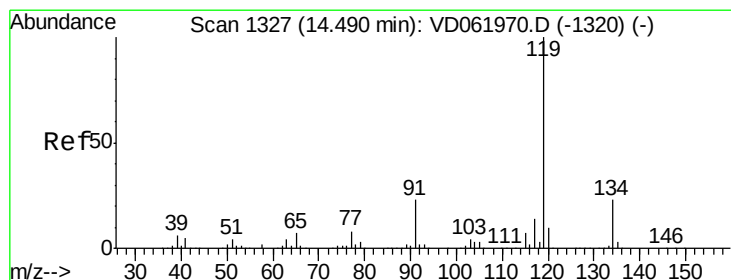
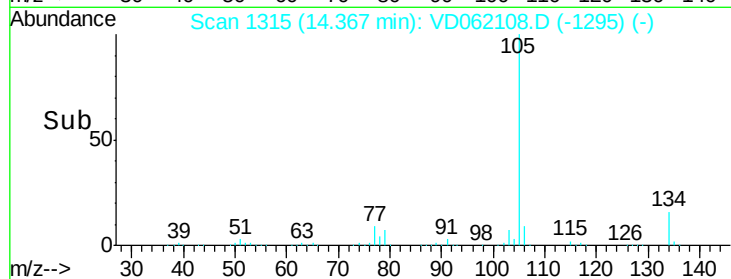
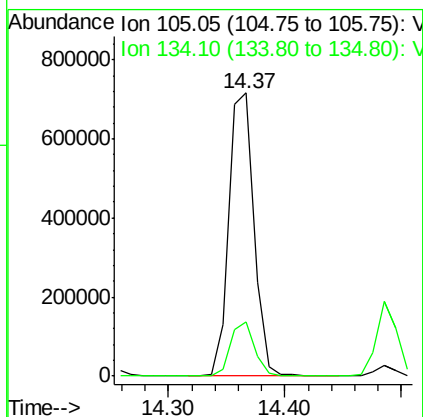
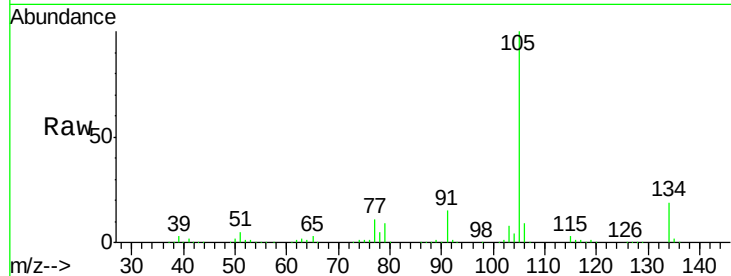




#85
 sec-Butylbenzene
 Concen: 46.497 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

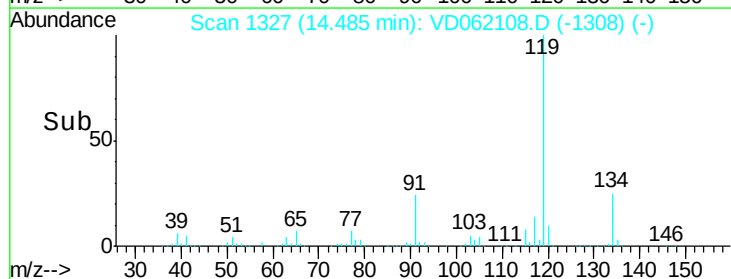
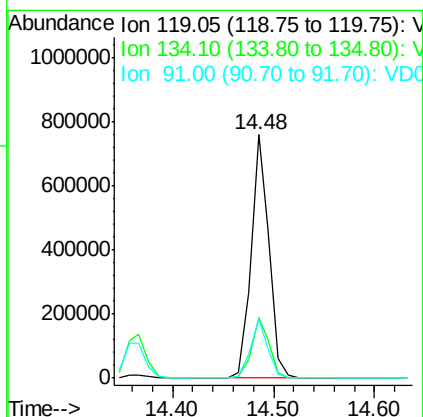
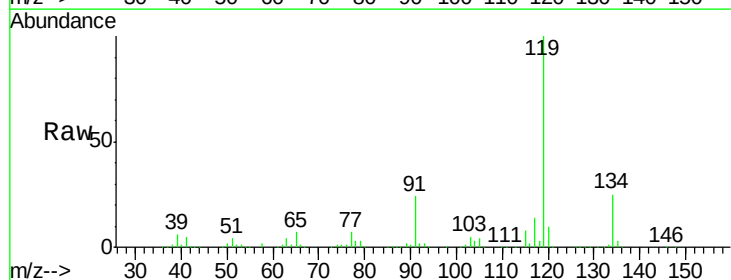
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

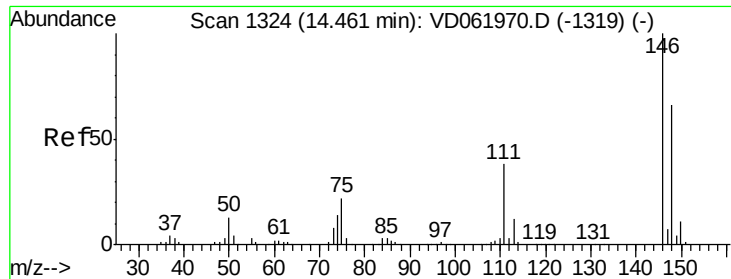
Tot Ion:105 Resp: 1068366
 Ion Ratio Lower Upper
 105 100
 134 19.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 45.750 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Tgt Ion:119 Resp: 940798
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.8 38.3
 91 24.3 10.7 32.1

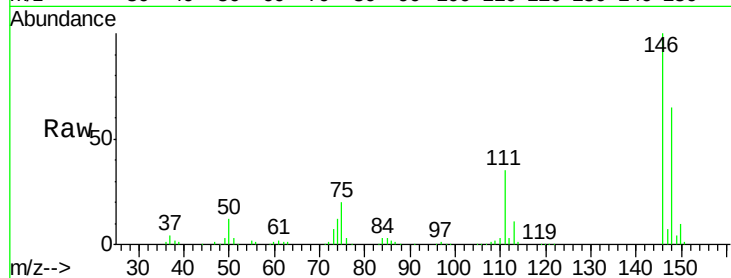




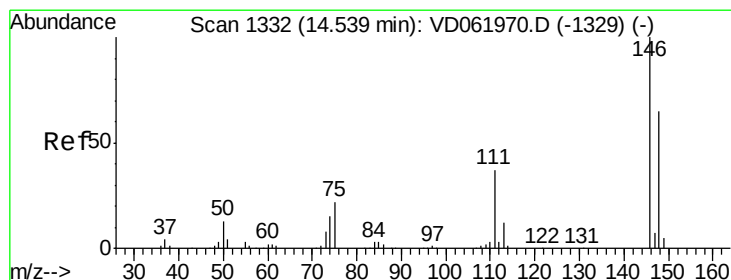
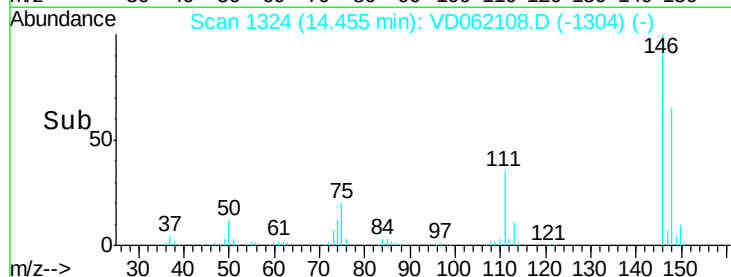
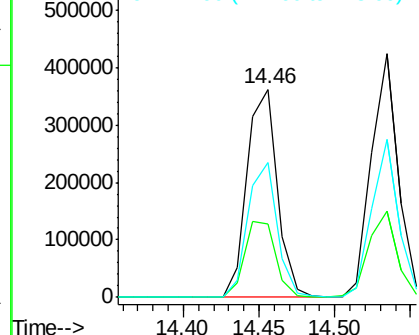
#87
 1,3-Dichlorobenzene
 Concen: 43.645 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 504760
 Ion Ratio Lower Upper
 146 100
 111 35.2 20.0 60.0
 148 65.0 31.8 95.4

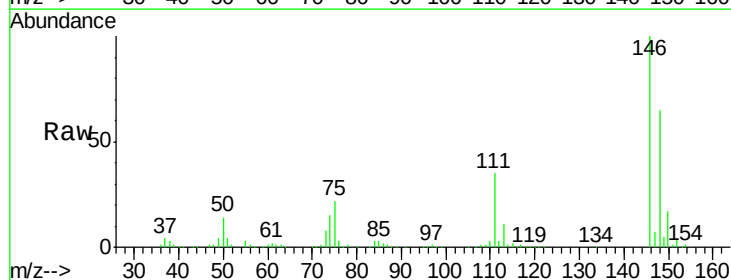


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

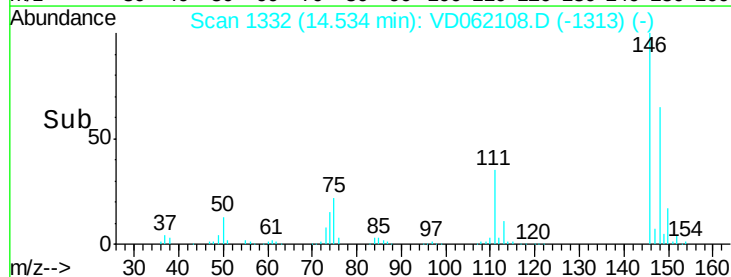
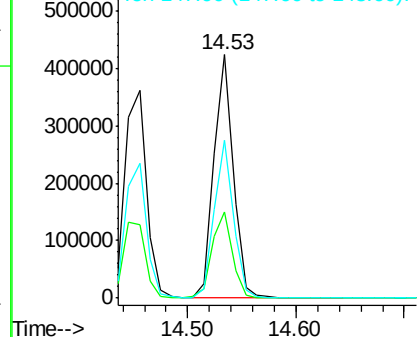


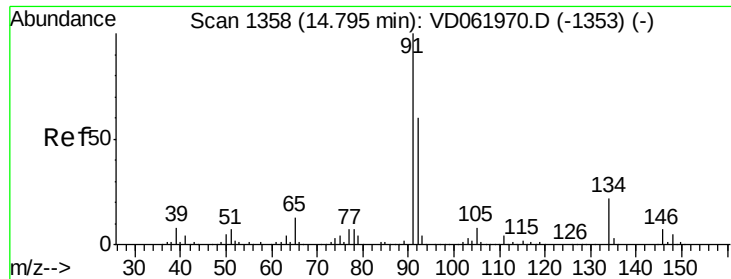
#88
 1,4-Dichlorobenzene
 Concen: 48.720 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Tgt Ion:146 Resp: 526934
 Ion Ratio Lower Upper
 146 100
 111 35.3 20.2 60.5
 148 64.6 32.0 96.2



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





#89

n-Butylbenzene

Concen: 48.256 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

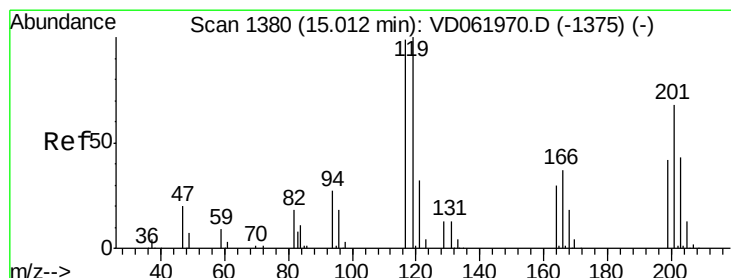
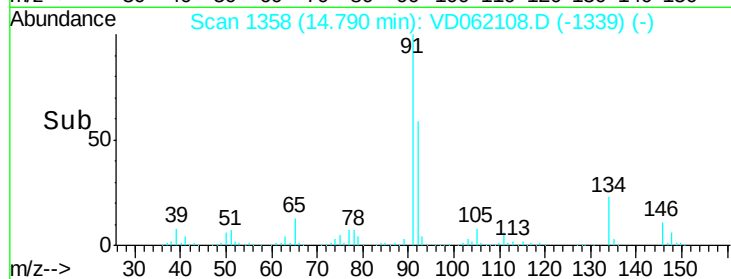
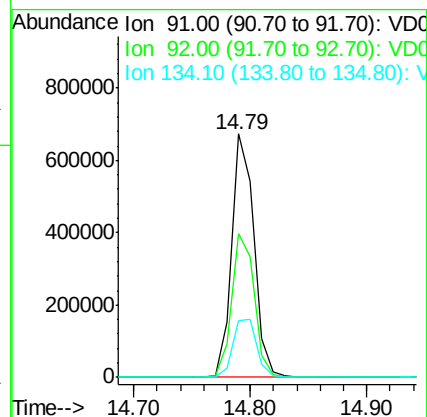
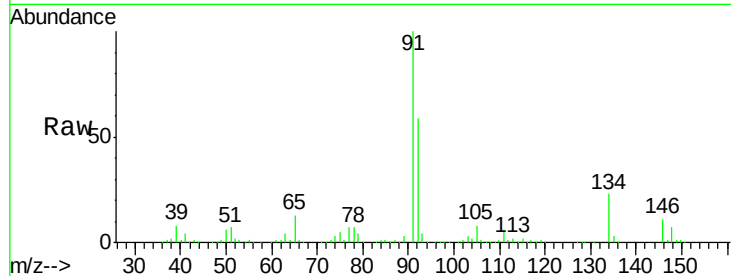
Tot Ion: 91 Resp: 890899

Ion Ratio Lower Upper

91 100

92 58.8 30.3 91.0

134 23.3 14.5 43.6



#90

Hexachloroethane

Concen: 50.290 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062108.D

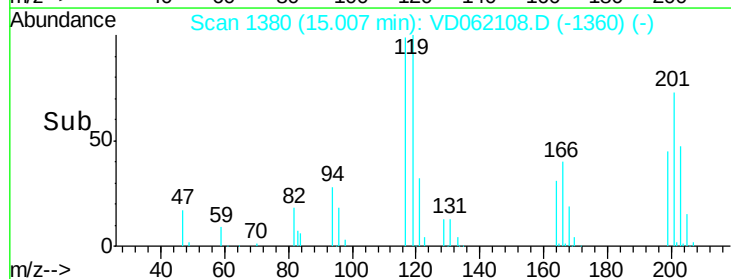
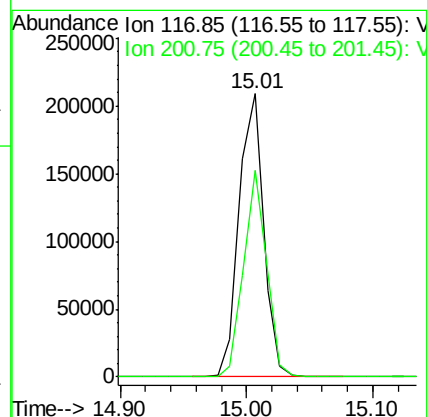
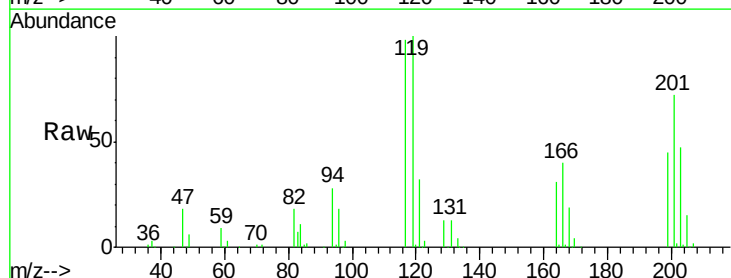
Acq: 2 May 2019 13:15

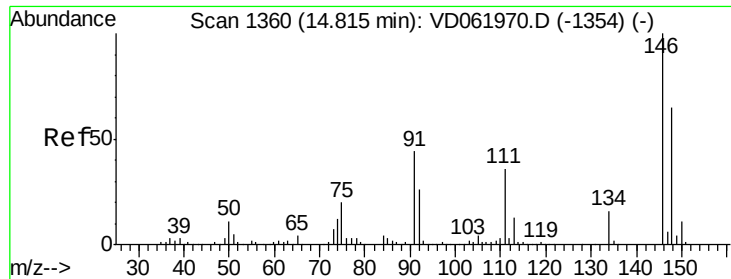
Tgt Ion: 117 Resp: 279641

Ion Ratio Lower Upper

117 100

201 73.1 30.2 90.6

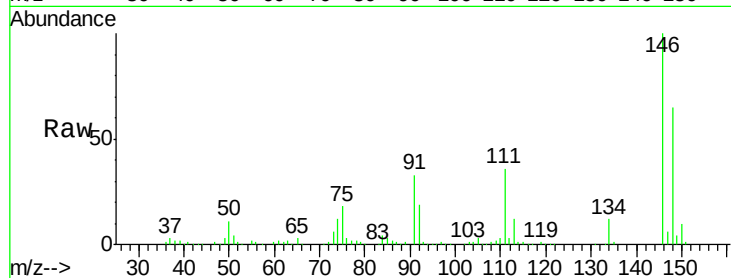




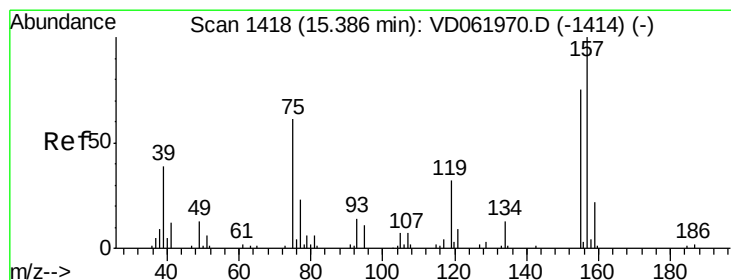
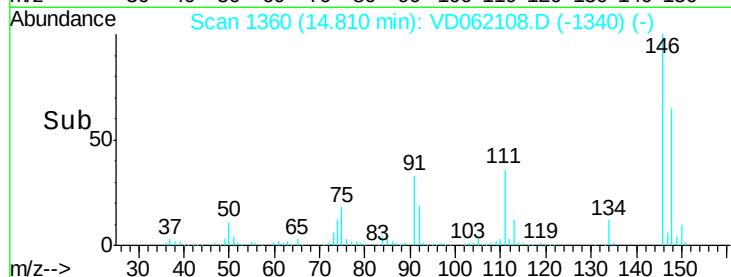
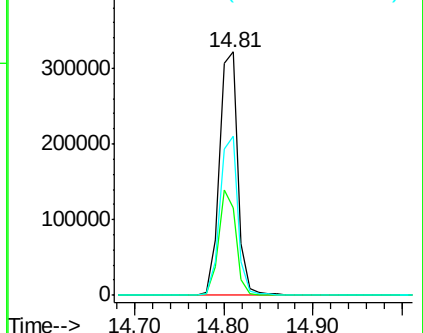
#91
 1,2-Dichlorobenzene
 Concen: 49.175 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 469122
 Ion Ratio Lower Upper
 146 100
 111 35.7 20.0 59.9
 148 65.5 32.3 96.8

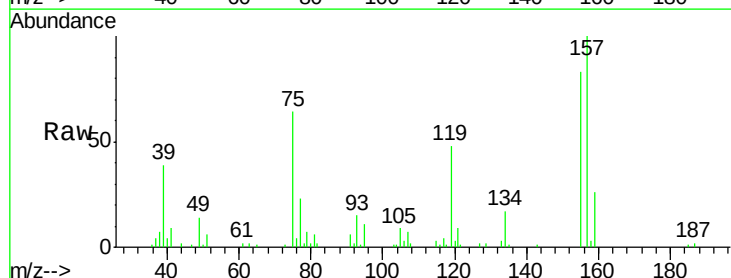


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

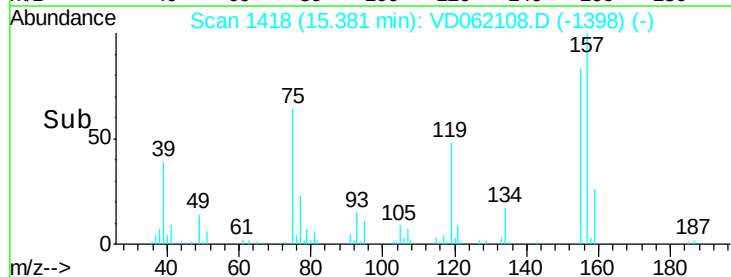
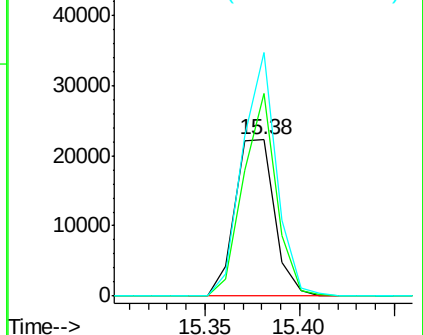


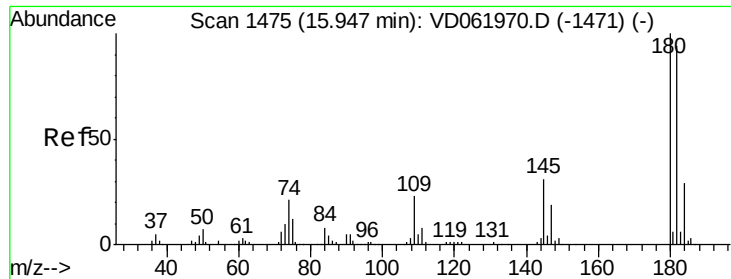
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.201 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Tgt Ion: 75 Resp: 32061
 Ion Ratio Lower Upper
 75 100
 155 129.8 55.3 165.8
 157 156.0 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

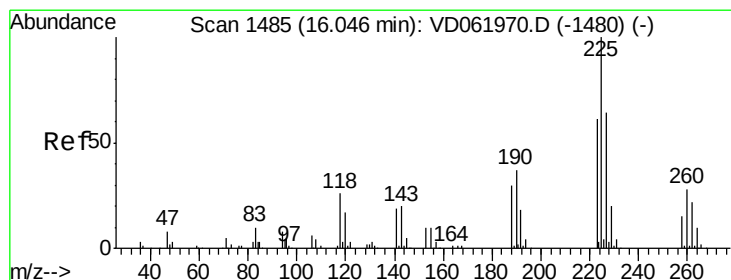
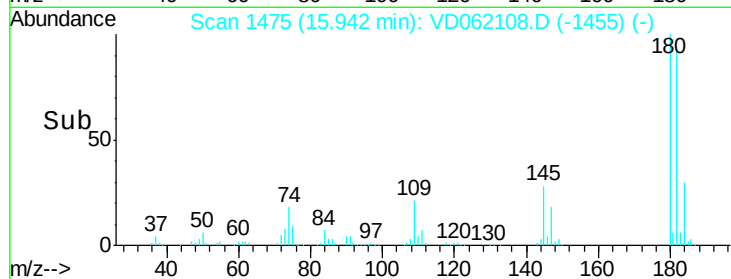
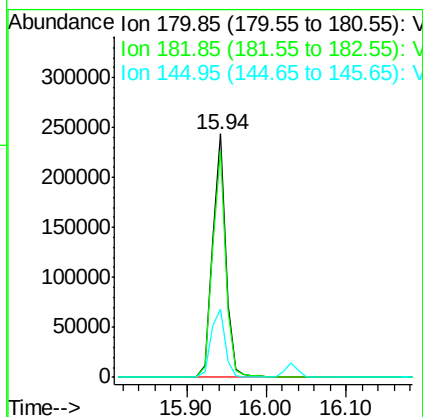
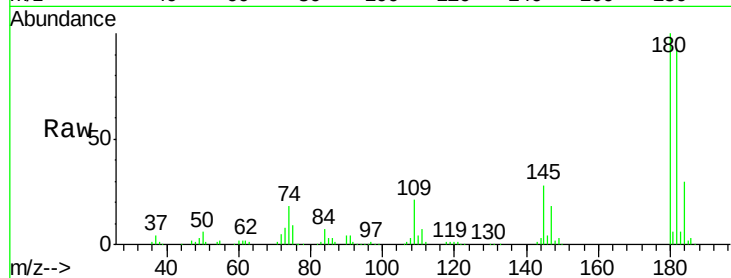




#93
 1,2,4-Trichlorobenzene
 Concen: 55.544 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

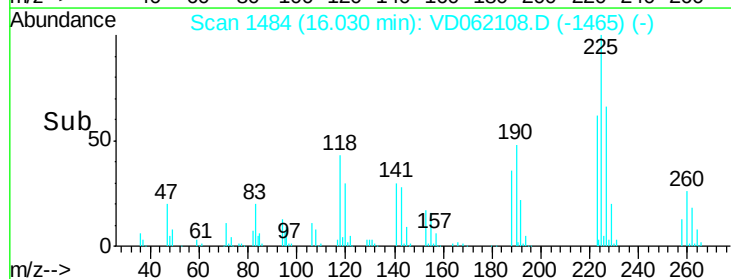
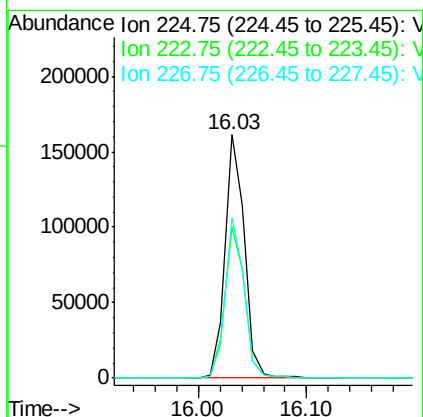
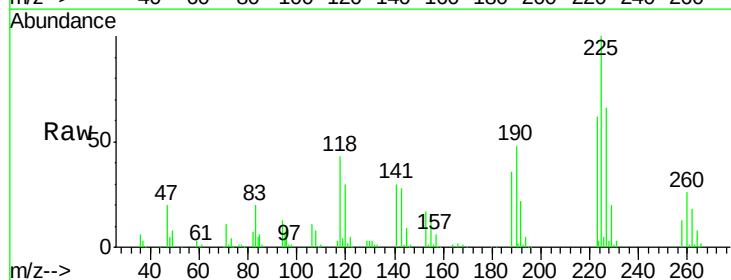
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

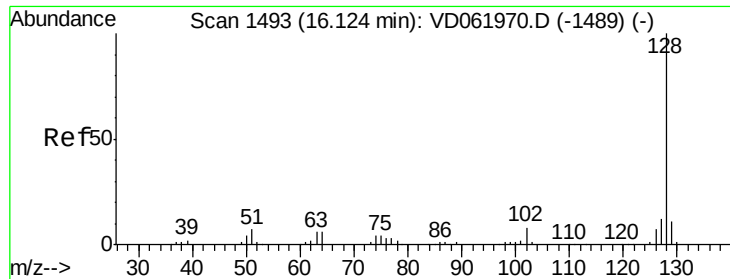
Tot Ion:180 Resp: 285905
 Ion Ratio Lower Upper
 180 100
 182 93.3 49.3 147.8
 145 28.2 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 52.840 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062108.D
 Acq: 2 May 2019 13:15

Tgt Ion:225 Resp: 201277
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.6 92.0
 227 66.1 32.0 96.2





#95

Naphthalene

Concen: 51.657 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

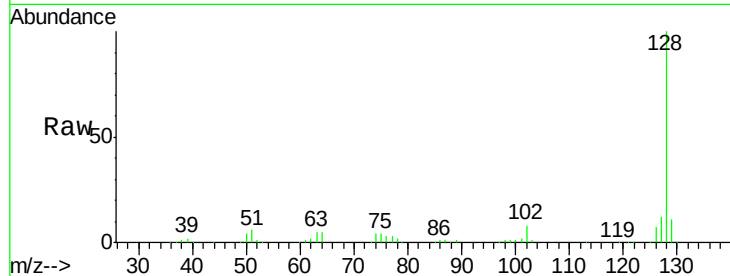
Tot Ion:128 Resp: 429322

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

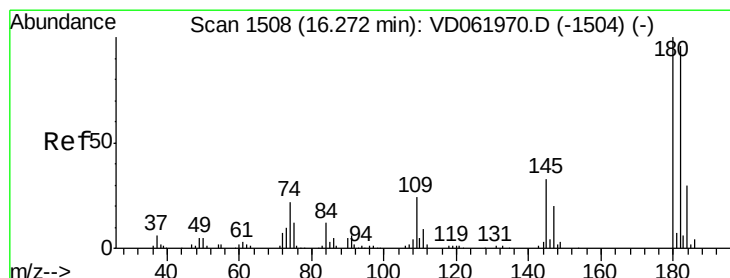
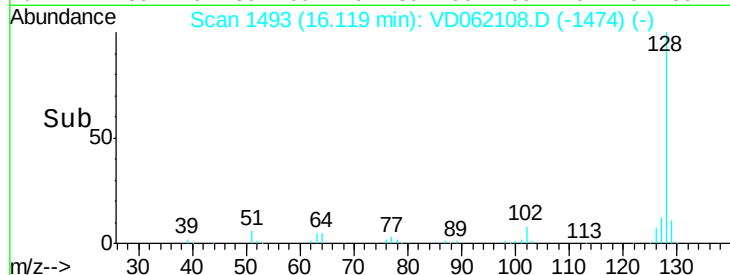
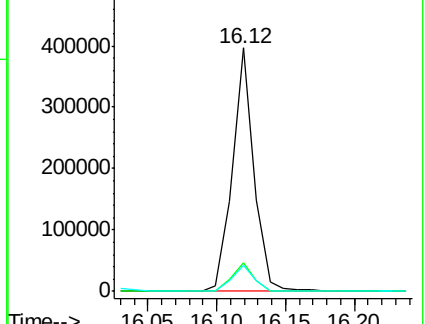
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 58.047 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062108.D

Acq: 2 May 2019 13:15

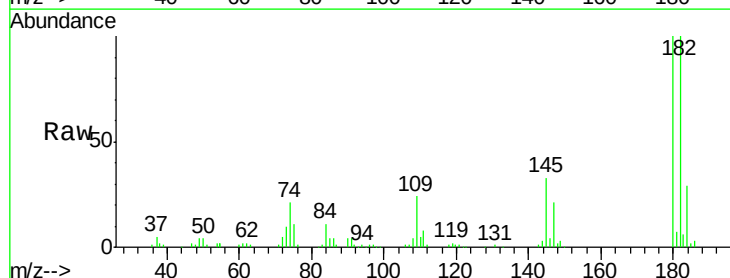
Tgt Ion:180 Resp: 169529

Ion Ratio Lower Upper

180 100

182 100.2 47.0 141.0

145 32.7 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

