

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062145.D
 Acq On : 26 Mar 2019 14:51
 Operator : VA/AP
 Sample : VF0326SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 27 05:15:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	244874	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	375533	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	328474	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	172447	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	87287	47.92	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	95.84%	
35) Dibromofluoromethane	4.10	113	124818	49.13	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	7.53	98	360070	47.48	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.40	95	144111	49.23	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	71905	22.921	ug/l	95
3) Chloromethane	1.09	50	77383	23.575	ug/l #	88
4) Vinyl Chloride	1.14	62	73535	24.220	ug/l	99
5) Bromomethane	1.31	94	47157	21.607	ug/l	91
6) Chloroethane	1.38	64	36821	24.091	ug/l	99
7) Trichlorofluoromethane	1.48	101	92440	25.209	ug/l	99
8) Diethyl Ether	1.62	74	17672	21.098	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.82	101	63740	25.479	ug/l	90
10) Methyl Iodide	1.90	142	84961	17.872	ug/l	98
11) Tert butyl alcohol	2.56	59	10299	102.768	ug/l #	72
12) 1,1-Dichloroethene	1.79	96	57415	24.324	ug/l	93
13) Acrolein	1.99	56	12358	102.547	ug/l	86
14) Allyl chloride	2.09	41	65936	26.164	ug/l	98
15) Acrylonitrile	2.93	53	39023	110.732	ug/l	90
16) Acetone	2.23	43	43991	114.757	ug/l	95
17) Carbon Disulfide	1.81	76	173969	24.170	ug/l	95
18) Methyl Acetate	2.33	43	21388	23.390	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	84057	22.532	ug/l	94
20) Methylene Chloride	2.18	84	29713	10.344	ug/l	99
21) trans-1,2-Dichloroethene	2.30	96	57769	25.437	ug/l	99
22) Diisopropyl ether	2.79	45	154444	23.375	ug/l	94
23) Vinyl Acetate	3.17	43	304104	112.414	ug/l	99
24) 1,1-Dichloroethane	2.86	63	91656	23.132	ug/l	99
25) 2-Butanone	4.32	43	86617	108.234	ug/l	100
26) 2,2-Dichloropropane	3.59	77	43234	26.912	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	68860	22.881	ug/l	91
28) Bromochloromethane	3.70	49	38631	23.863	ug/l	99
29) Tetrahydrofuran	4.06	42	37950	109.068	ug/l	93
30) Chloroform	3.84	83	99638	23.795	ug/l	99
31) Cyclohexane	3.68	56	94667	22.876	ug/l	92
32) 1,1,1-Trichloroethane	4.08	97	62663	24.601	ug/l	97
36) 1,1-Dichloropropene	4.26	75	82703	23.121	ug/l	91
37) Ethyl Acetate	4.09	43	33391	21.360	ug/l #	67
38) Carbon Tetrachloride	3.98	117	60355	24.757	ug/l	92

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 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	99034	23.855	ug/l	96
40) Benzene	4.61	78	218394	22.775	ug/l	96
41) Methacrylonitrile	4.73	41	19105	23.098	ug/l	96
42) 1,2-Dichloroethane	4.93	62	52540	23.170	ug/l	94
43) Isopropyl Acetate	6.94	43	42752	22.582	ug/l #	91
44) Trichloroethene	5.49	130	68726	23.442	ug/l	97
45) 1,2-Dichloropropane	6.22	63	52094	22.777	ug/l	97
46) Dibromomethane	6.07	93	31127	22.259	ug/l	89
47) Bromodichloromethane	6.37	83	71458	23.070	ug/l	95
48) Methyl methacrylate	6.70	41	24748	22.959	ug/l	90
49) 1,4-Dioxane	6.69	88	3913	413.712	ug/l #	77
51) 4-Methyl-2-Pentanone	8.24	43	150941	119.122	ug/l	96
52) Toluene	7.61	92	125591	22.612	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	56786	23.354	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	79750	22.922	ug/l	96
55) 1,1,2-Trichloroethane	8.48	97	36237	22.970	ug/l	98
56) Ethyl methacrylate	8.61	69	41005	21.794	ug/l	92
57) 1,3-Dichloropropane	8.83	76	59235	22.623	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.27	63	28321	99.198	ug/l	100
59) 2-Hexanone	9.47	43	102138	109.983	ug/l	100
60) Dibromochloromethane	8.69	129	51193	23.342	ug/l	100
61) 1,2-Dibromoethane	8.97	107	39324	23.364	ug/l	95
64) Tetrachloroethene	8.13	164	58757	23.153	ug/l	94
65) Chlorobenzene	9.78	112	141579	23.036	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	56382	22.838	ug/l	93
67) Ethyl Benzene	9.88	91	245406	22.960	ug/l	98
68) m/p-Xylenes	10.11	106	193190	48.359	ug/l	96
69) o-Xylene	10.70	106	95867	22.913	ug/l	88
70) Styrene	10.77	104	145349	22.928	ug/l	99
71) Bromoform	10.76	173	27682	21.922	ug/l	97
73) Isopropylbenzene	11.11	105	288957	23.813	ug/l	98
74) N-amyl acetate	11.36	43	66186	22.891	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	43954	21.096	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	17689	12.064	ug/l	88
77) Bromobenzene	11.48	156	66727	22.508	ug/l	98
78) n-propylbenzene	11.58	91	338455	24.020	ug/l	99
79) 2-Chlorotoluene	11.70	91	185359	23.668	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	231030	23.147	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	17689	29.606	ug/l #	92
82) 4-Chlorotoluene	11.89	91	183906	22.902	ug/l	94
83) tert-Butylbenzene	12.12	119	249466	23.876	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	227888	23.290	ug/l	99
85) sec-Butylbenzene	12.29	105	323349	23.922	ug/l	100
86) p-Isopropyltoluene	12.45	119	281686	24.054	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	132505	24.057	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	124571	23.178	ug/l	97
89) n-Butylbenzene	12.84	91	271403	24.292	ug/l	98
90) Hexachloroethane	12.90	117	65741	23.576	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	121523	23.497	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7067	22.386	ug/l	89

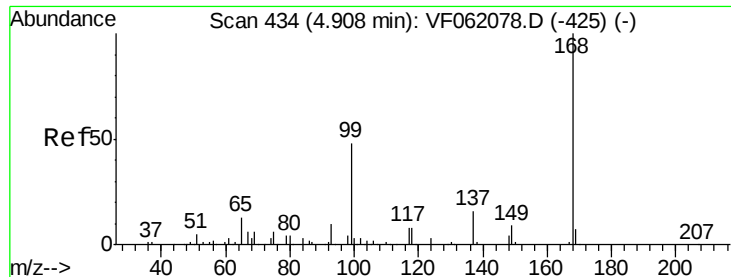
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032619\
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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	85062	23.598	ug/l	97
94) Hexachlorobutadiene	14.18	225	55915	23.330	ug/l	96
95) Naphthalene	14.44	128	142875	22.619	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	76477	22.666	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

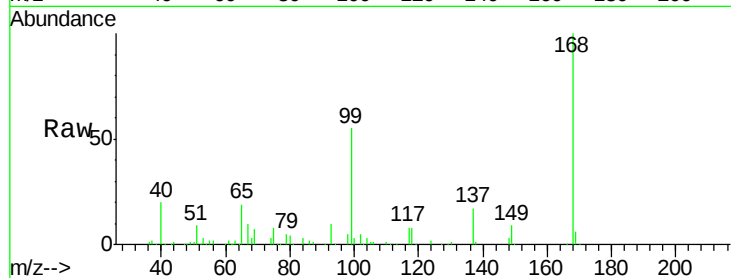
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 244874

Ion Ratio Lower Upper

168 100

99 54.7 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

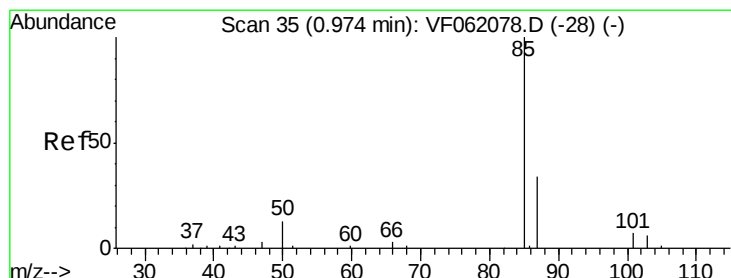
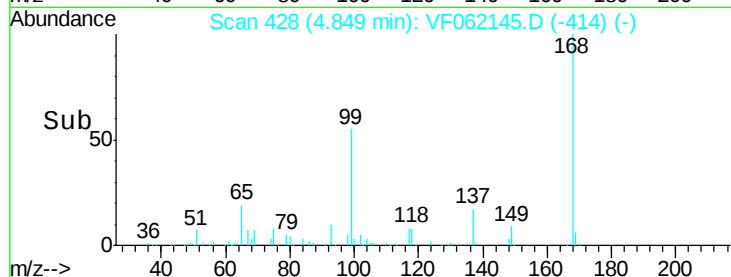
40000

20000

0

Time-->

4.80 5.00



#2

Dichlorodifluoromethane

Concen: 22.921 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062145.D

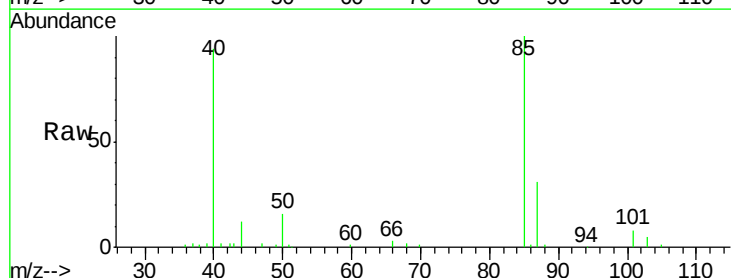
Acq: 26 Mar 2019 14:51

Tgt Ion: 85 Resp: 71905

Ion Ratio Lower Upper

85 100

87 30.9 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

15000

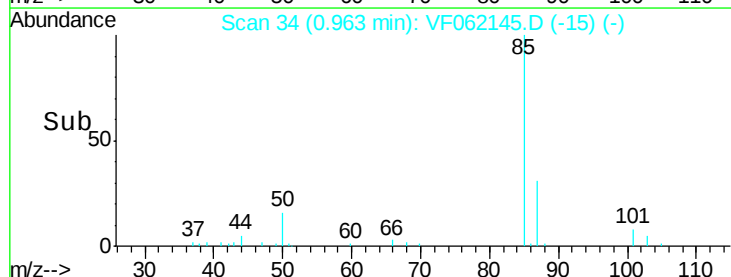
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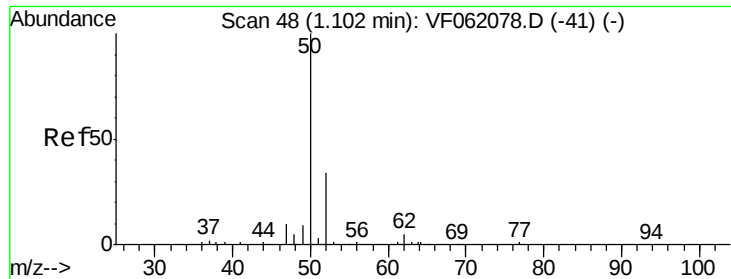
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 23.575 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

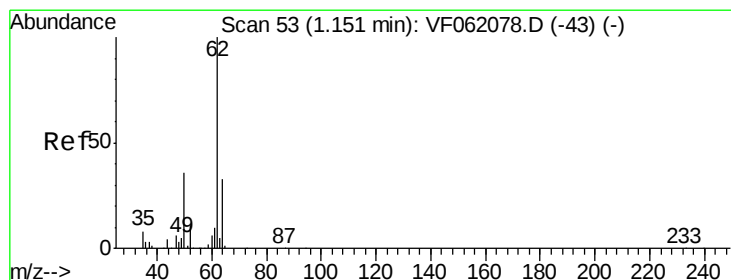
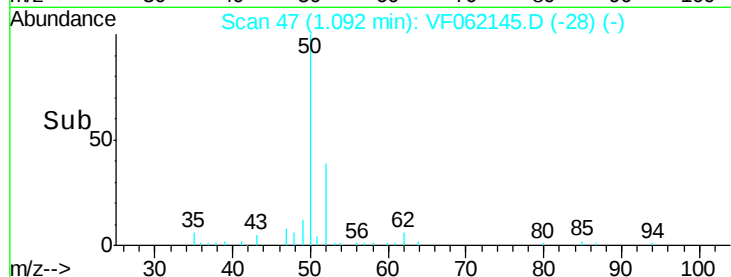
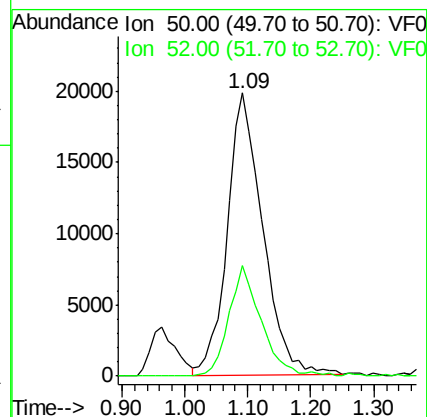
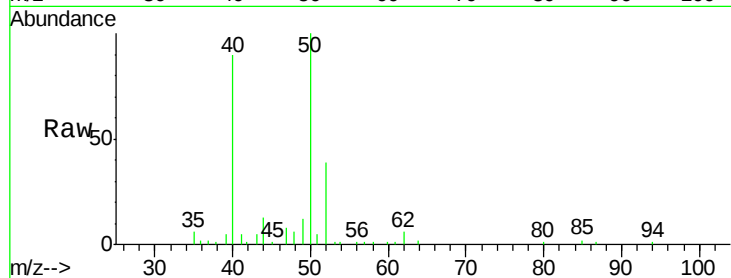
ClientSampled :

Tot Ion: 50 Resp: 77383

Ion Ratio Lower Upper

50 100

52 39.2 26.1 39.1#



#4

Vinyl Chloride

Concen: 24.220 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062145.D

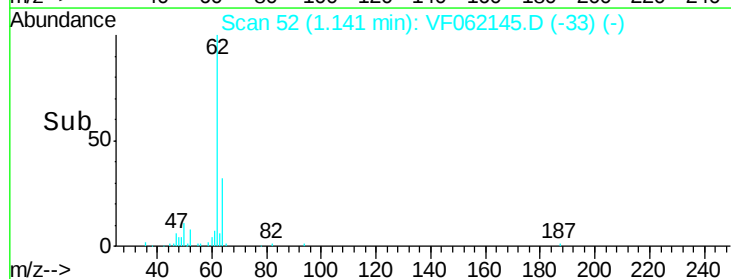
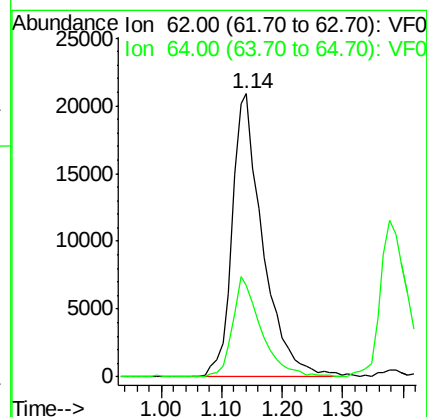
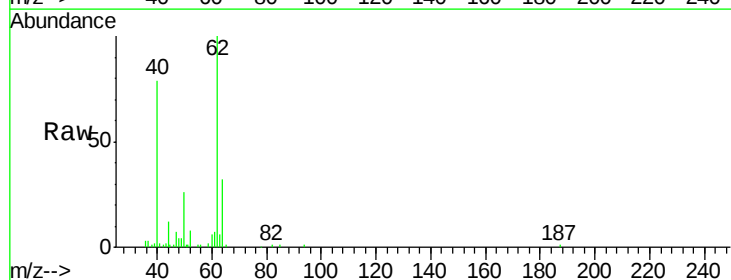
Acq: 26 Mar 2019 14:51

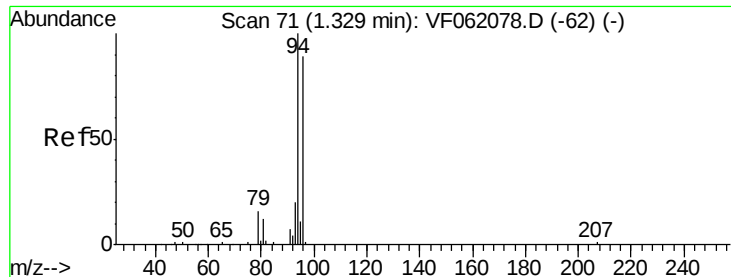
Tgt Ion: 62 Resp: 73535

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.2





#5

Bromomethane

Concen: 21.607 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

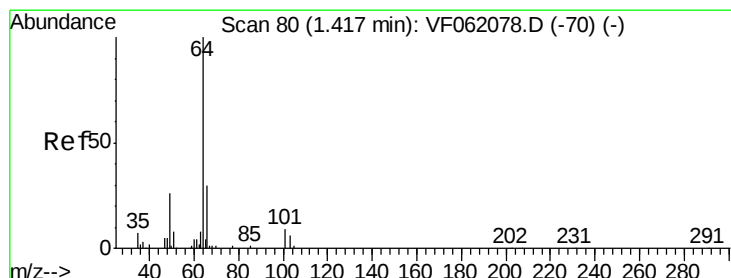
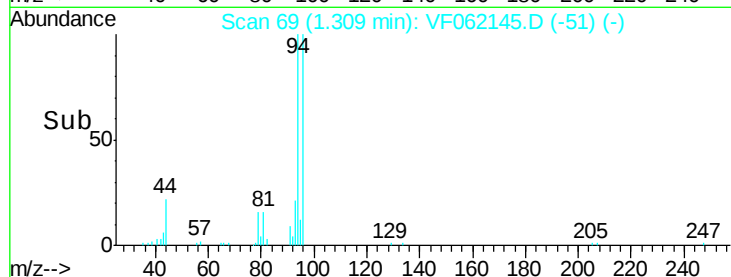
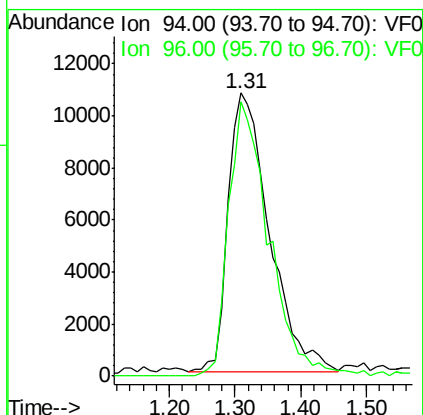
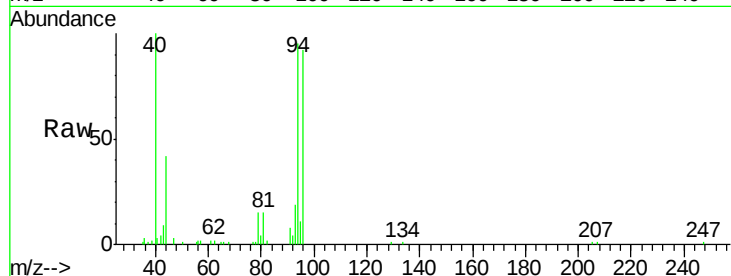
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 47157

Ion Ratio Lower Upper

94 100

96 96.9 70.9 106.3



#6

Chloroethane

Concen: 24.091 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.04 min

Lab File: VF062145.D

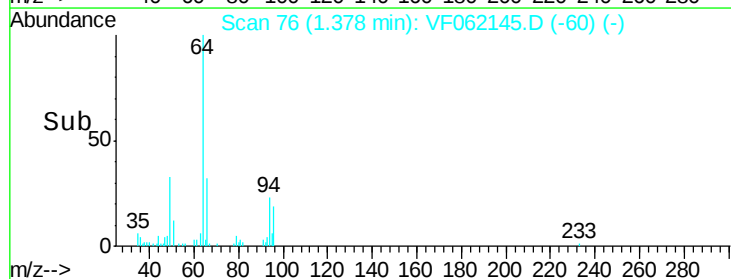
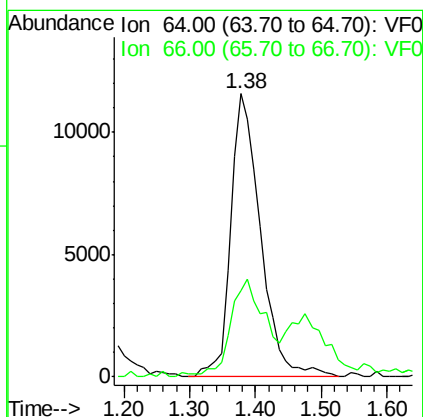
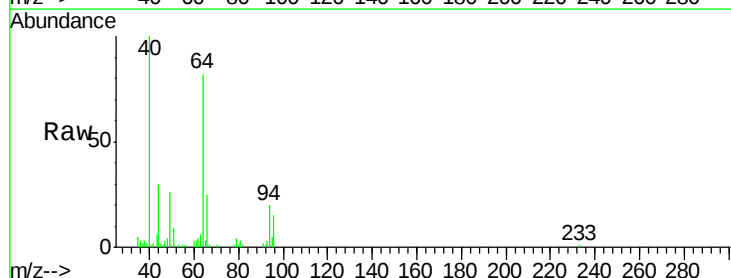
Acq: 26 Mar 2019 14:51

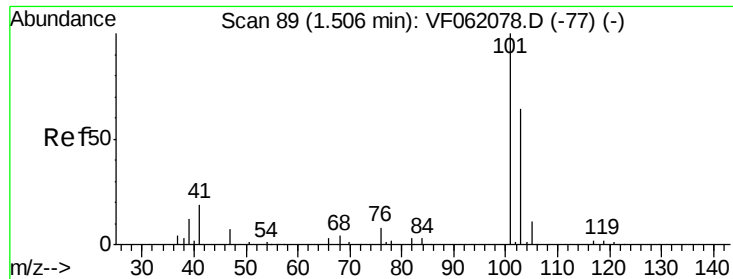
Tgt Ion: 64 Resp: 36821

Ion Ratio Lower Upper

64 100

66 30.3 24.5 36.7



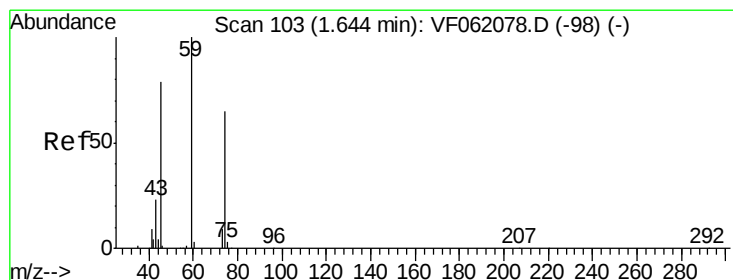
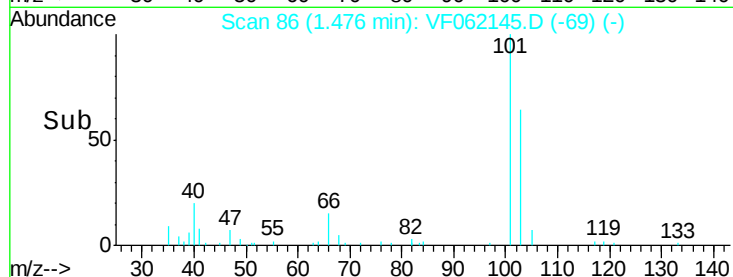
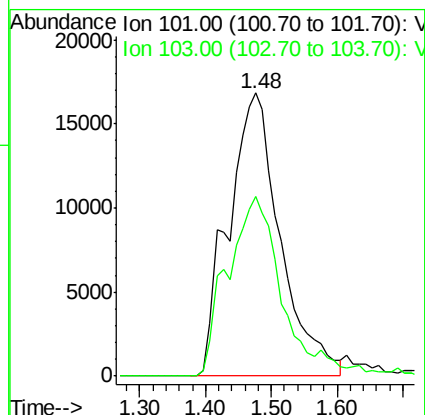
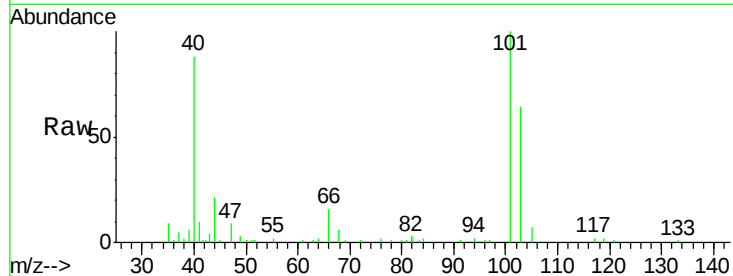


#7

Trichlorofluoromethane
Concen: 25.209 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampled :

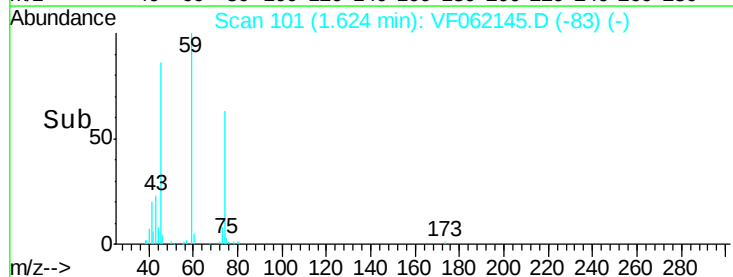
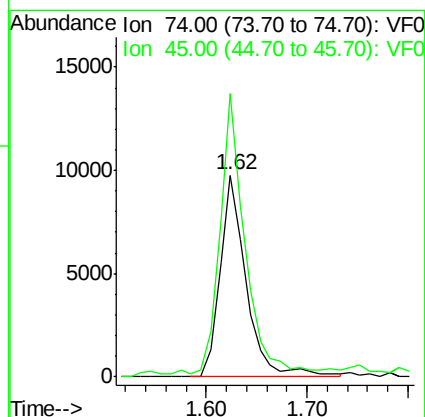
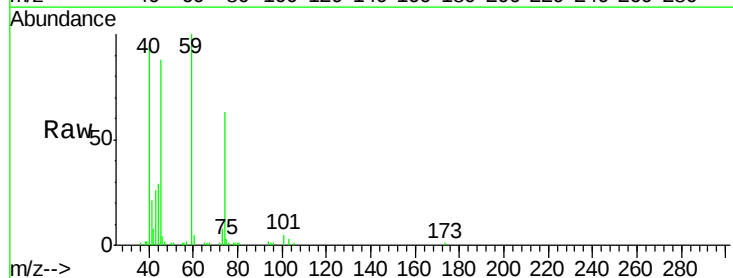
Tot Ion:101 Resp: 92440
Ion Ratio Lower Upper
101 100
103 63.6 51.5 77.3

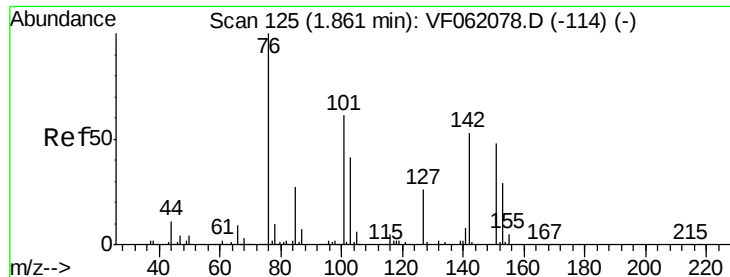


#8

Diethyl Ether
Concen: 21.098 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 74 Resp: 17672
Ion Ratio Lower Upper
74 100
45 140.3 61.4 184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.479 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

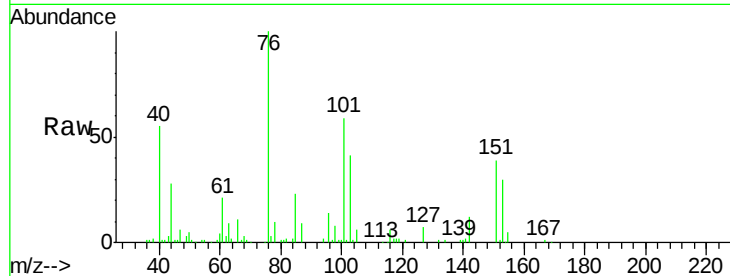
Tot Ion:101 Resp: 63740

Ion Ratio Lower Upper

101 100

85 39.3 34.6 52.0

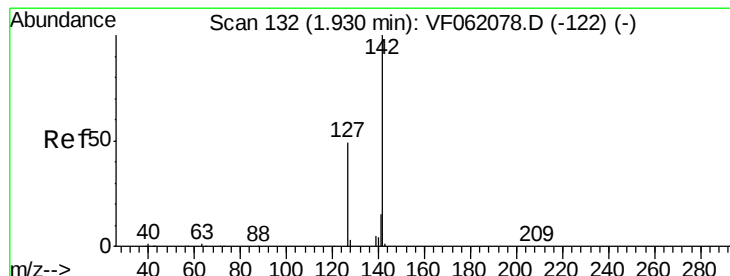
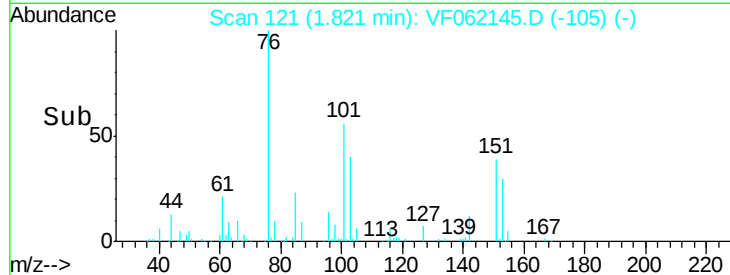
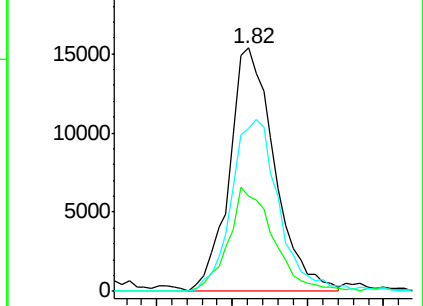
151 67.1 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 17.872 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

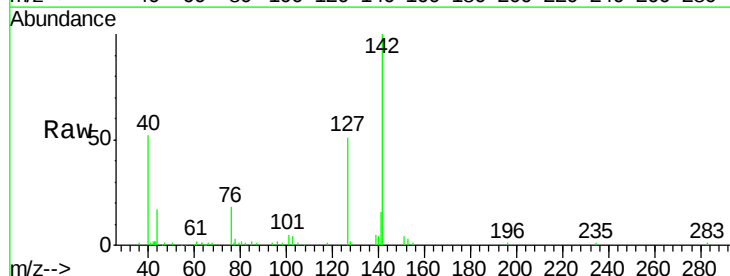
Tgt Ion:142 Resp: 84961

Ion Ratio Lower Upper

142 100

127 50.6 39.1 58.7

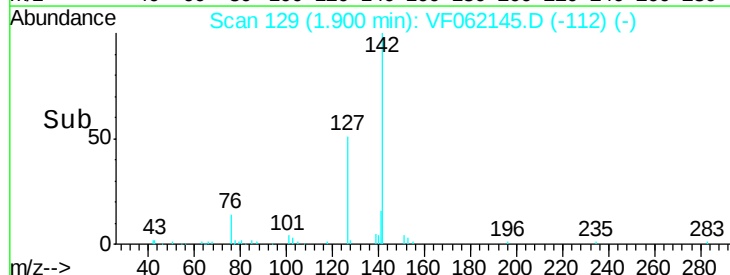
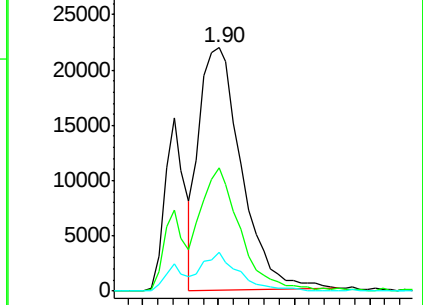
141 15.8 12.2 18.4

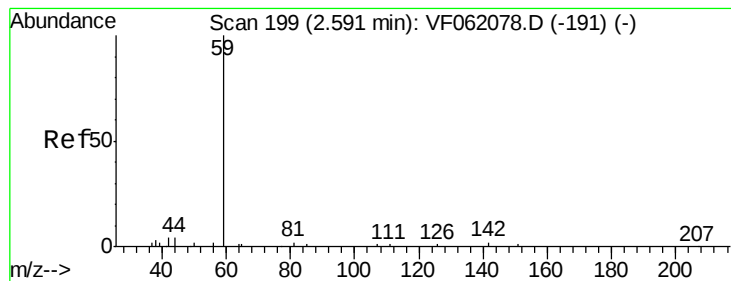


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



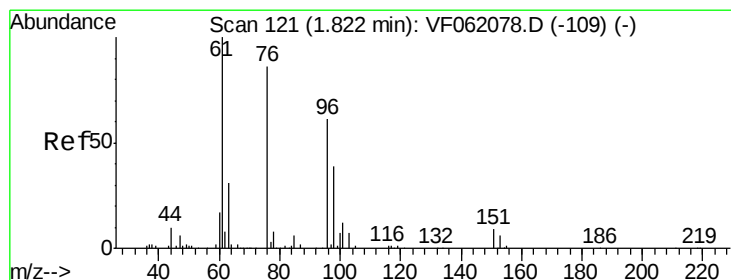
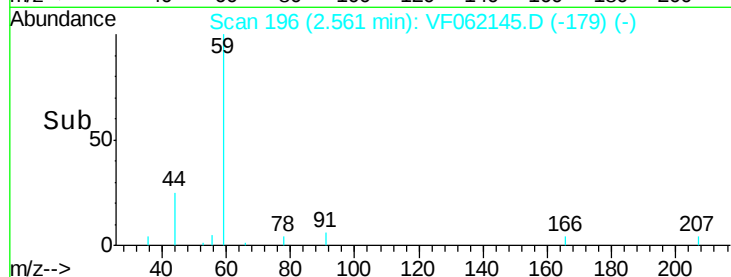
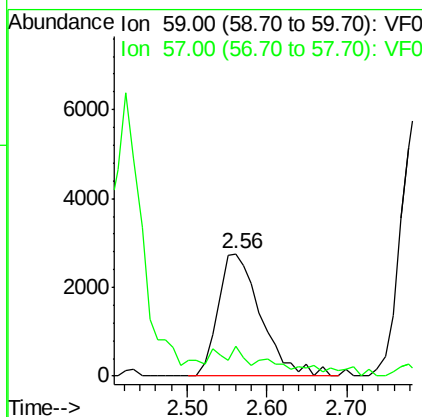
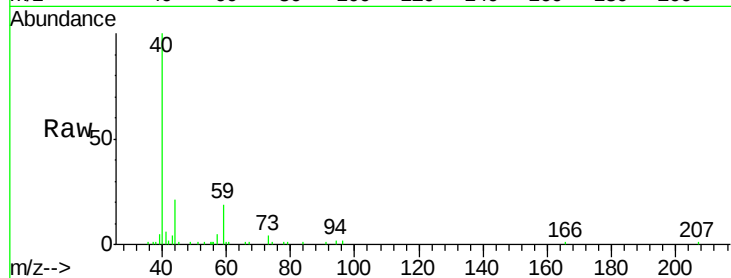


#11

Tert butyl alcohol
 Concen: 102.768 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :

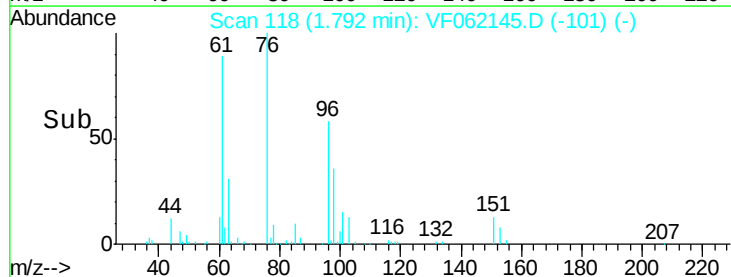
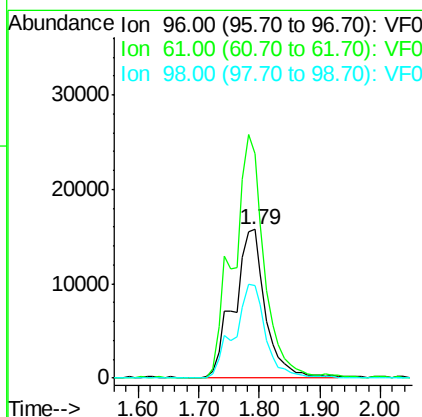
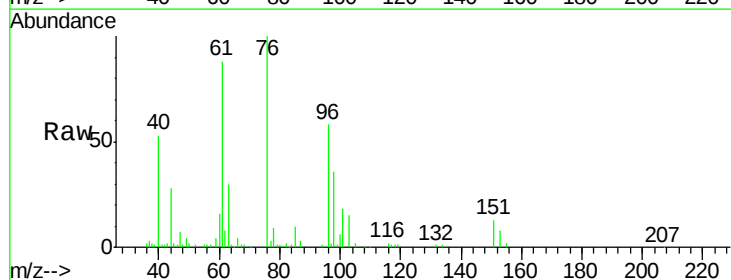
Tot Ion: 59 Resp: 10299
 Ion Ratio Lower Upper
 59 100
 57 25.0 11.0 16.4#

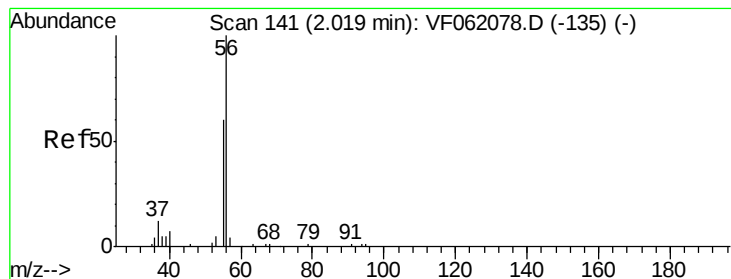


#12

1,1-Dichloroethene
 Concen: 24.324 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion: 96 Resp: 57415
 Ion Ratio Lower Upper
 96 100
 61 151.2 131.0 196.6
 98 62.3 51.5 77.3





#13

Acrolein

Concen: 102.547 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

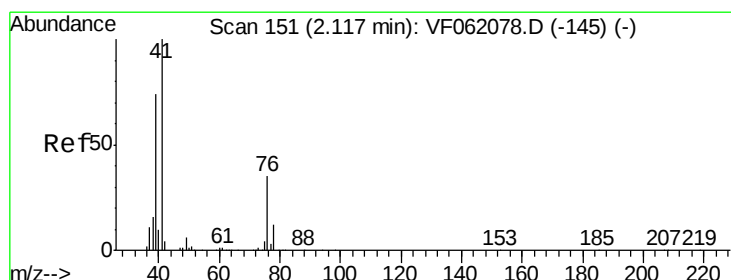
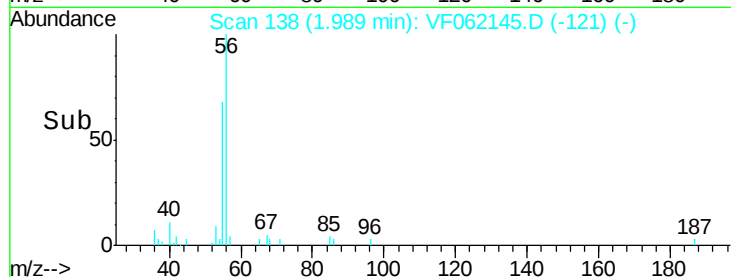
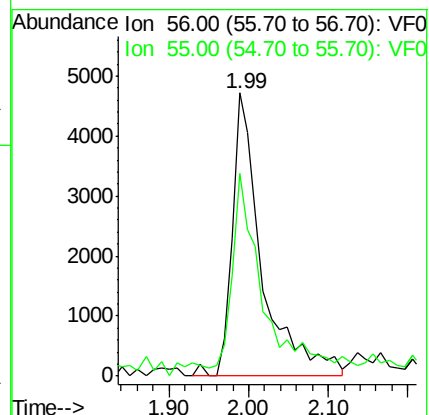
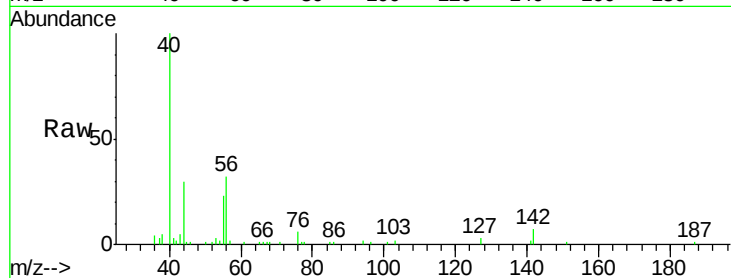
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 12358

Ion Ratio Lower Upper

56 100

55 71.6 49.0 73.4



#14

Allyl chloride

Concen: 26.164 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

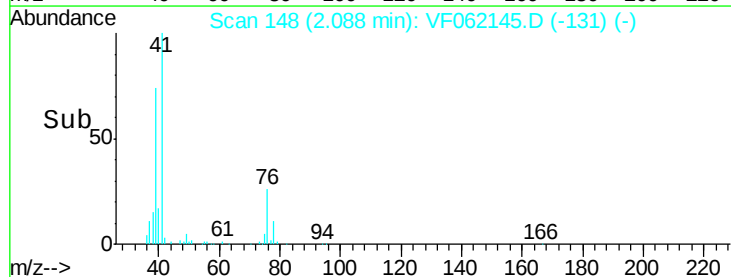
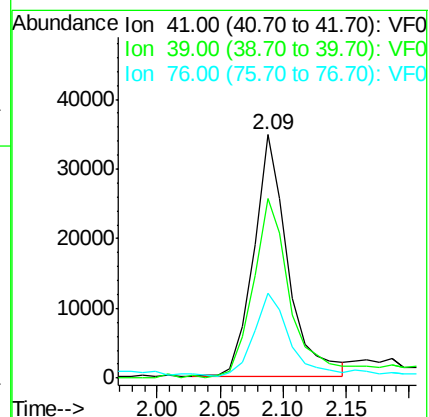
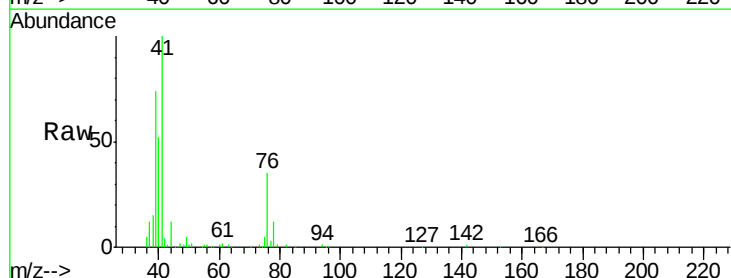
Tgt Ion: 41 Resp: 65936

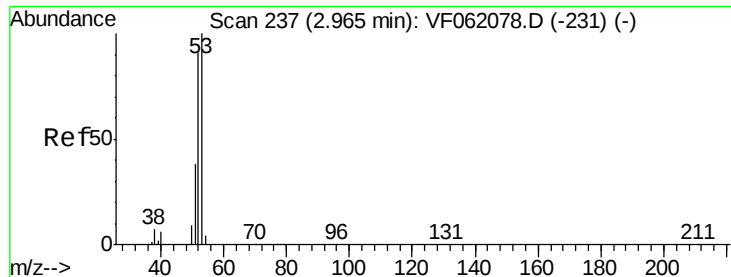
Ion Ratio Lower Upper

41 100

39 73.9 59.8 89.8

76 34.7 30.0 45.0





#15

Acrylonitrile

Concen: 110.732 ug/l

RT: 2.93 min Scan# 233

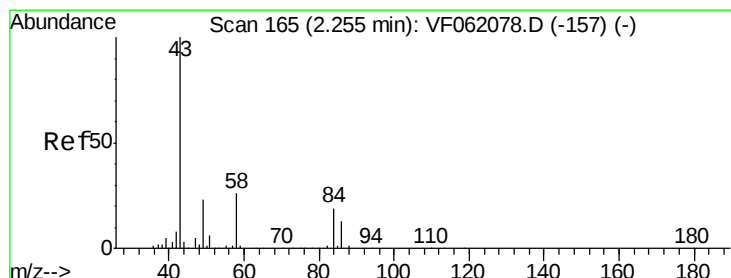
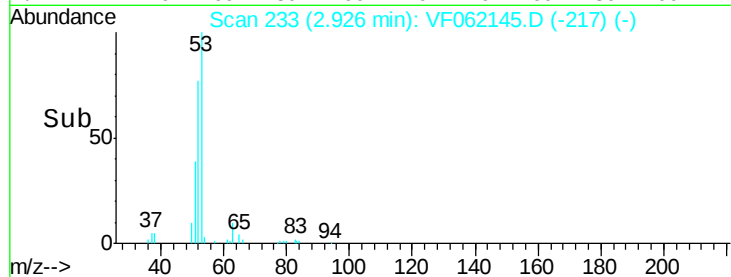
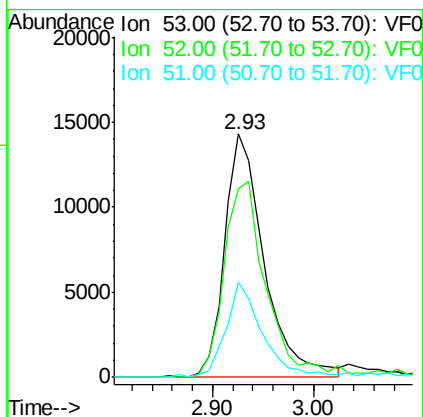
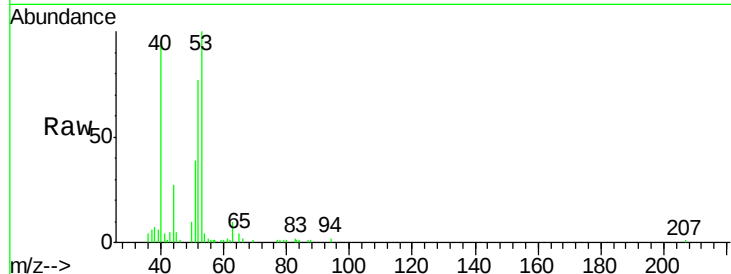
Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	39023
Ion	Ratio	Lower	Upper
53	100		
52	77.3	72.3	108.5
51	39.2	30.4	45.6



#16

Acetone

Concen: 114.757 ug/l

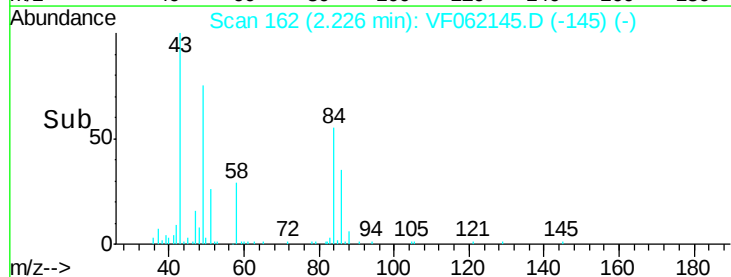
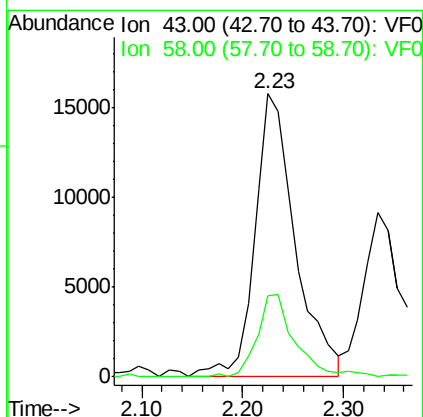
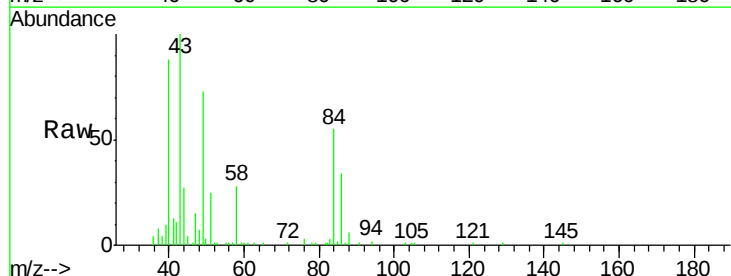
RT: 2.23 min Scan# 162

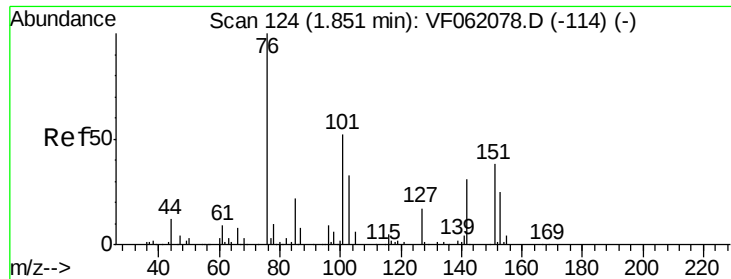
Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion:	43	Resp:	43991
Ion	Ratio	Lower	Upper
43	100		
58	28.5	20.8	31.2

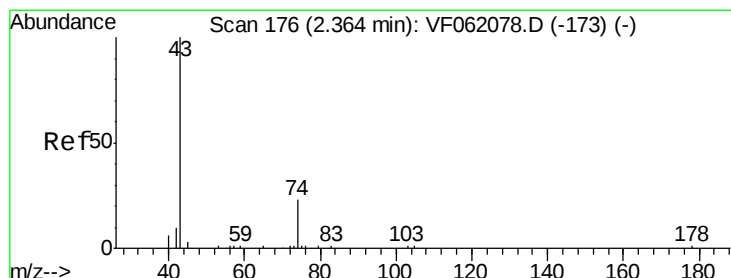
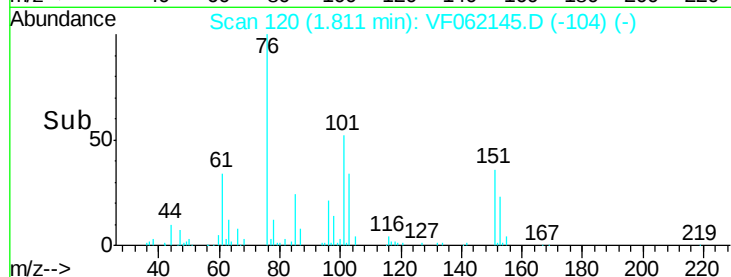
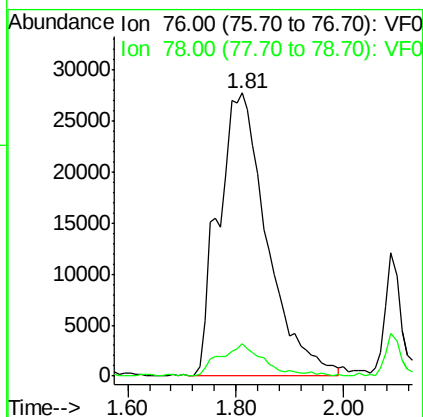
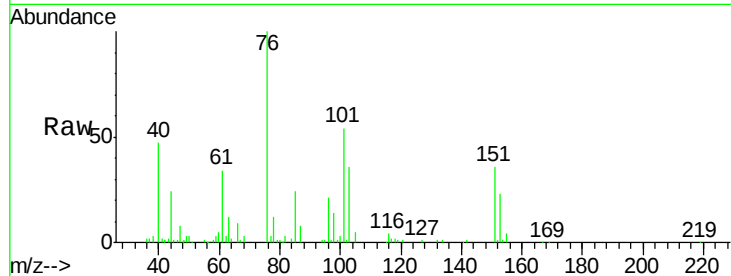




#17
Carbon Disulfide
Concen: 24.170 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.04 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

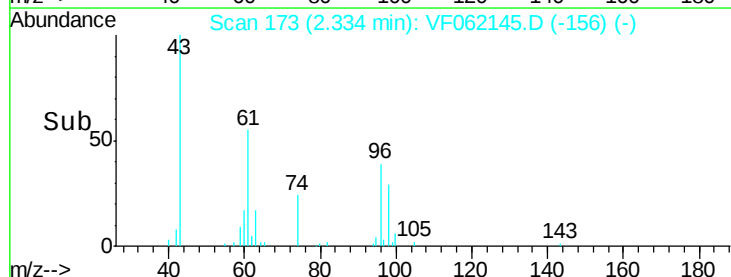
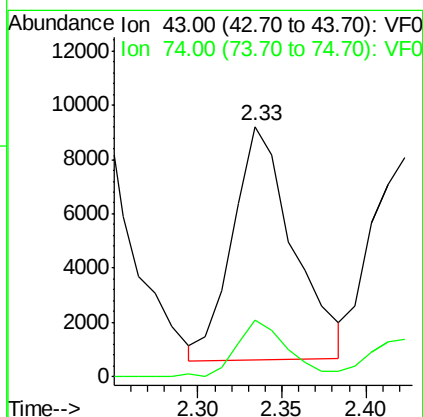
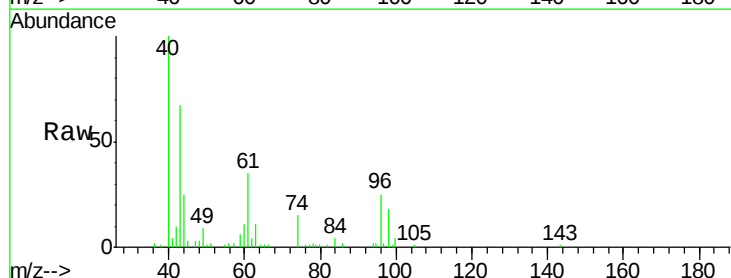
Instrument :
MSVOA_F
ClientSampleId :

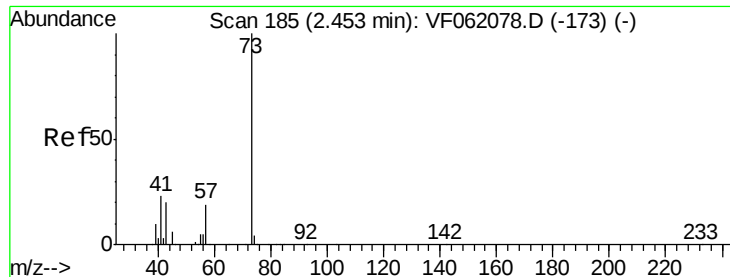
Tot Ion: 76 Resp: 173969
Ion Ratio Lower Upper
76 100
78 11.7 7.9 11.9



#18
Methyl Acetate
Concen: 23.390 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 43 Resp: 21388
Ion Ratio Lower Upper
43 100
74 22.6 16.3 24.5



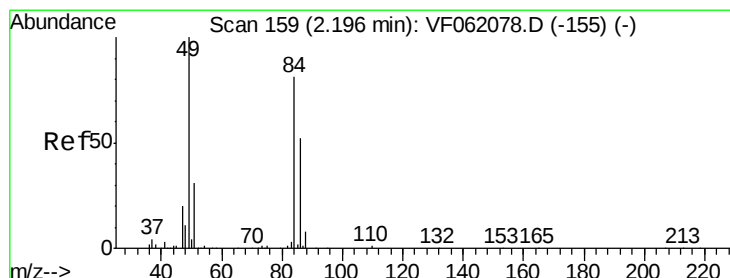
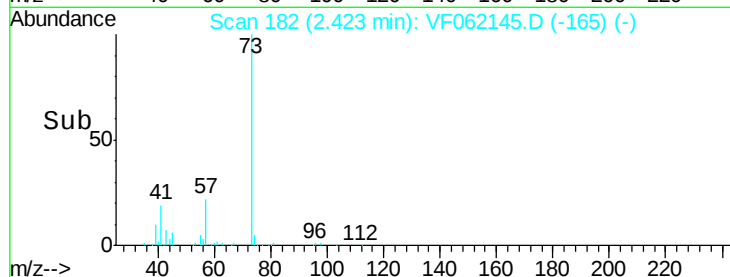
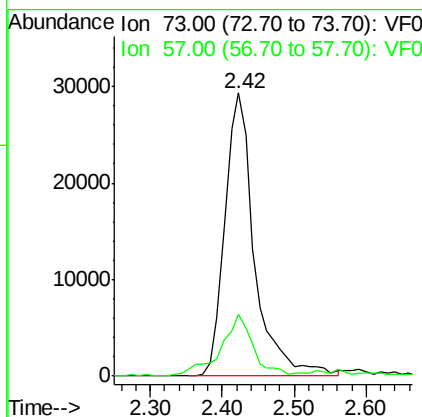
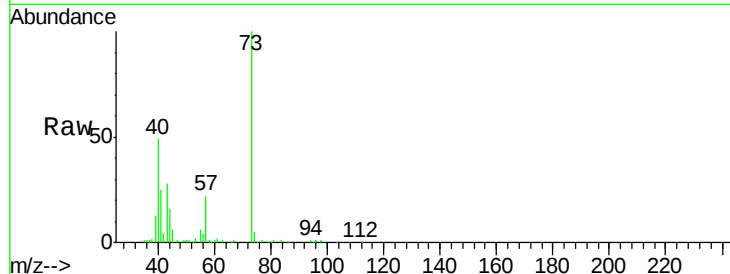


#19

Methyl tert-butyl Ether
 Concen: 22.532 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :

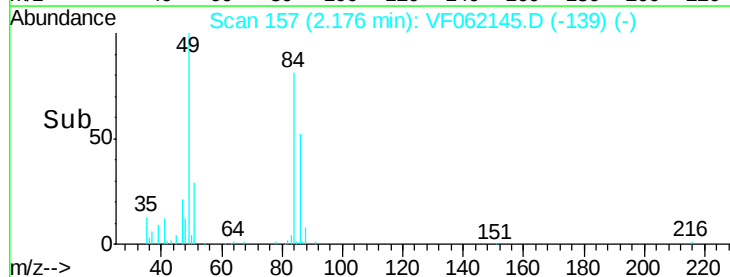
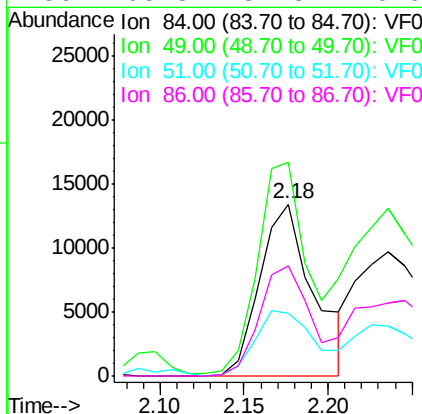
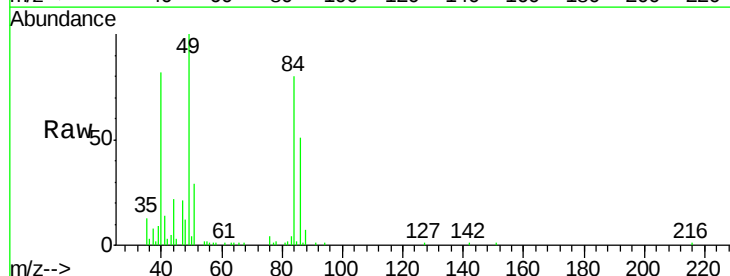
Tot Ion: 73 Resp: 84057
 Ion Ratio Lower Upper
 73 100
 57 21.7 15.1 22.7

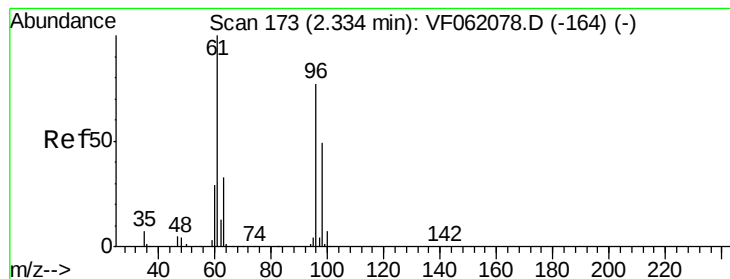


#20

Methylene Chloride
 Concen: 10.344 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.02 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion: 84 Resp: 29713
 Ion Ratio Lower Upper
 84 100
 49 124.5 100.4 150.6
 51 36.5 31.0 46.6
 86 63.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 25.437 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

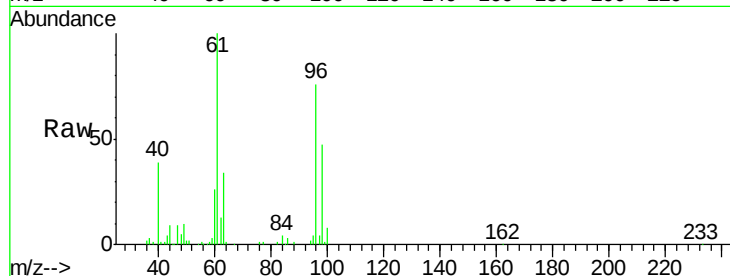
Tot Ion: 96 Resp: 57769

Ion Ratio Lower Upper

96 100

61 131.3 104.5 156.7

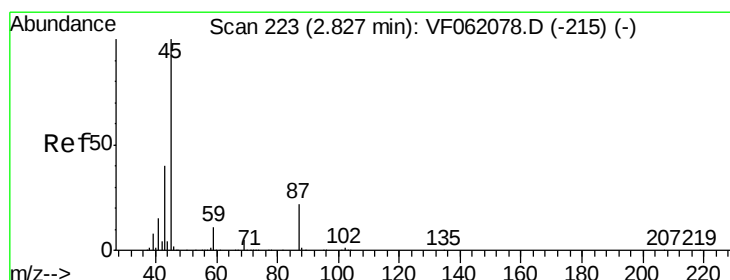
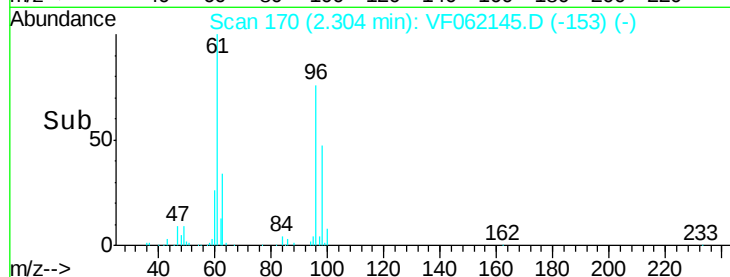
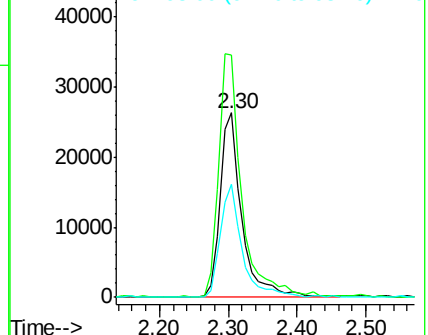
98 61.5 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 23.375 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion: 45 Resp: 154444

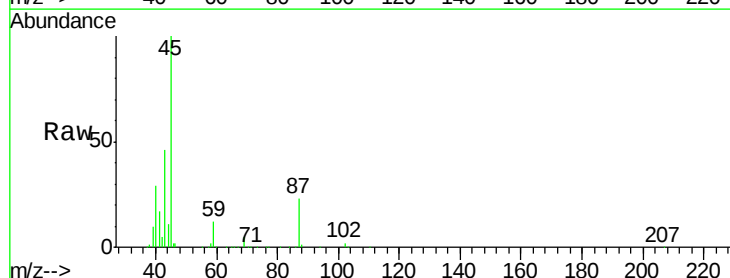
Ion Ratio Lower Upper

45 100

43 45.5 32.5 48.7

87 22.7 17.4 26.2

59 12.3 8.6 12.8

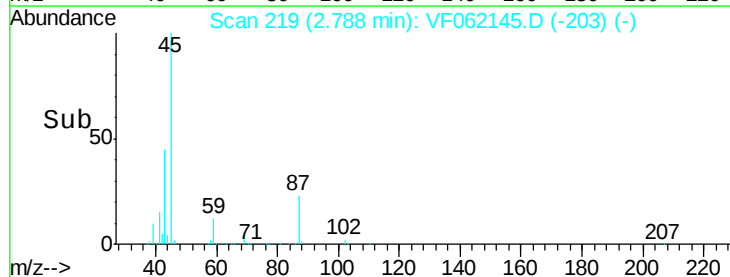
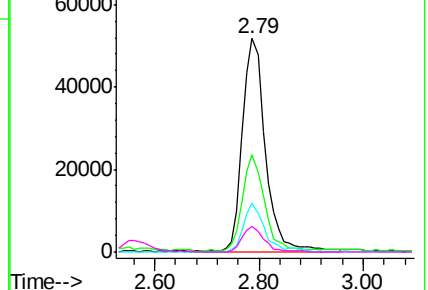


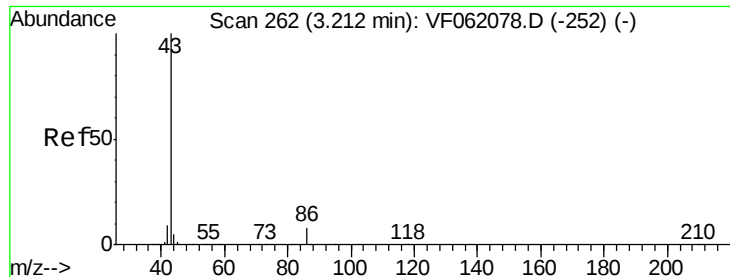
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 112.414 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

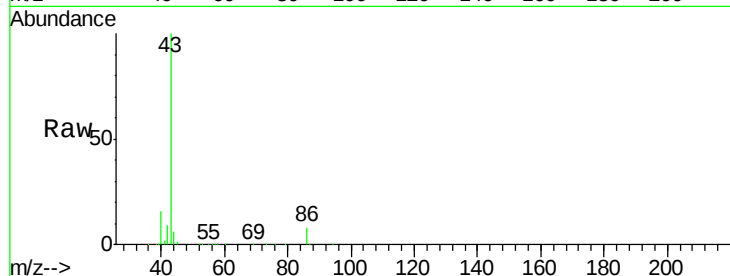
ClientSampleId :

Tot Ion: 43 Resp: 304104

Ion Ratio Lower Upper

43 100

86 8.2 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.17

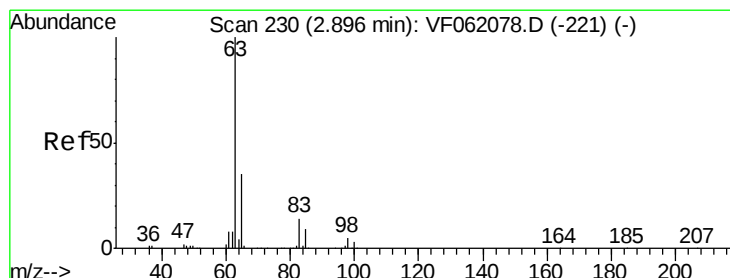
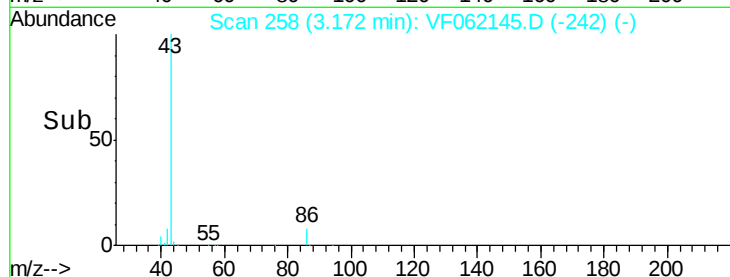
100000

50000

0

Time-->

3.10 3.20 3.30



#24

1,1-Dichloroethane

Concen: 23.132 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

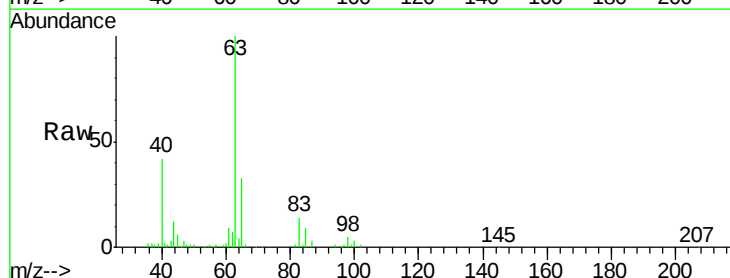
Tgt Ion: 63 Resp: 91656

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

100 3.3 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

50000

40000

30000

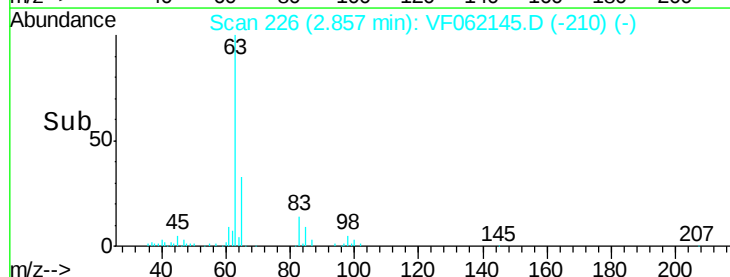
20000

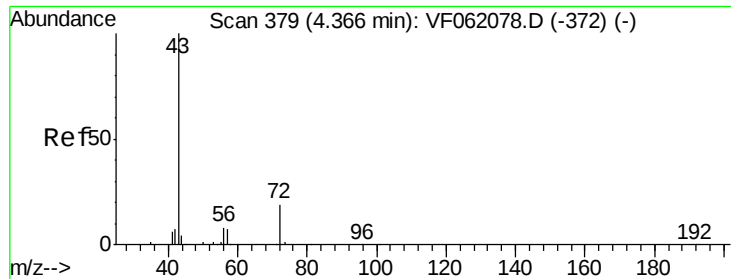
10000

0

Time-->

2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 108.234 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

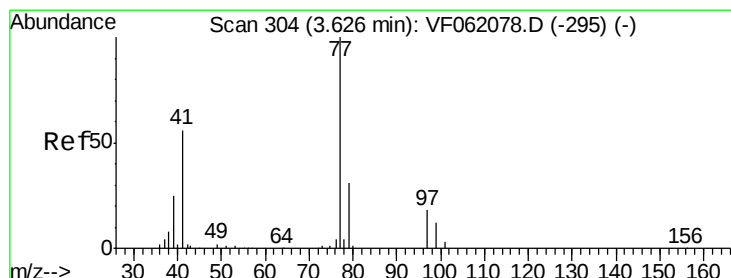
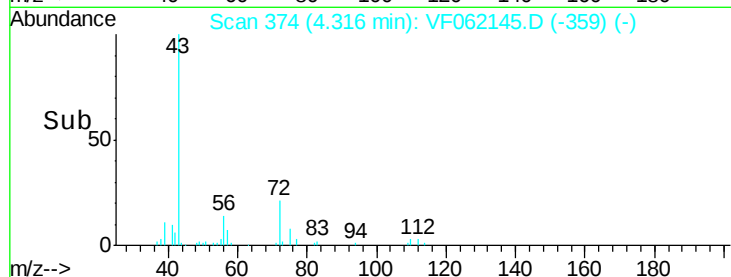
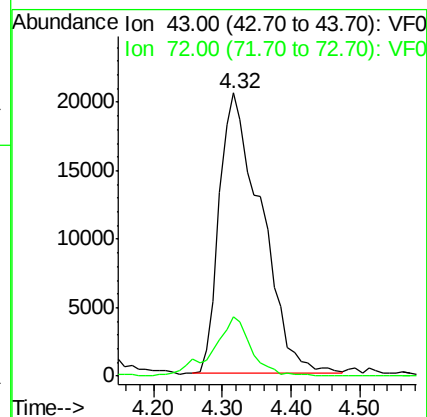
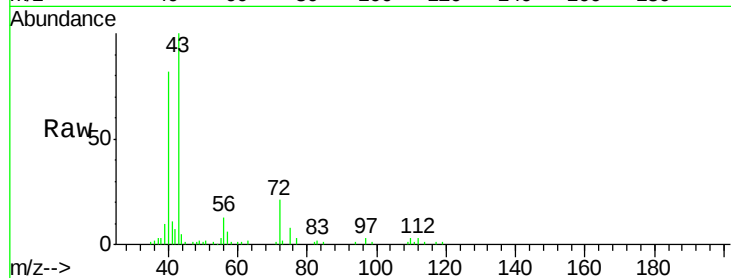
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 86617

Ion Ratio Lower Upper

43 100

72 20.8 16.7 25.1



#26

2,2-Dichloropropane

Concen: 26.912 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.04 min

Lab File: VF062145.D

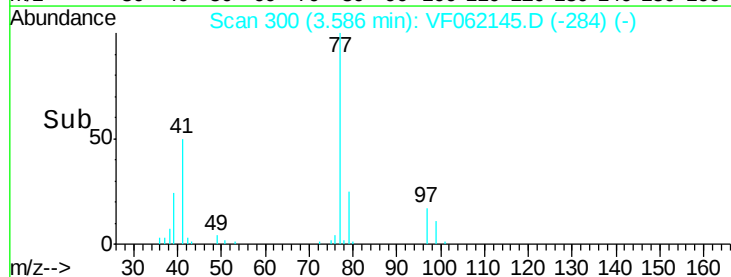
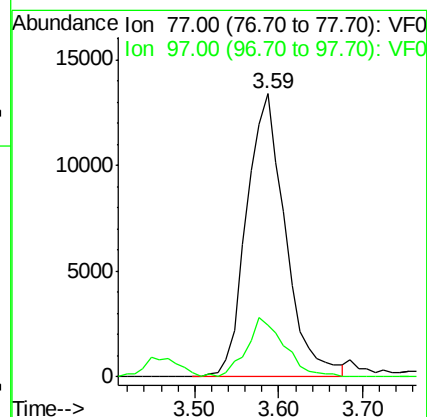
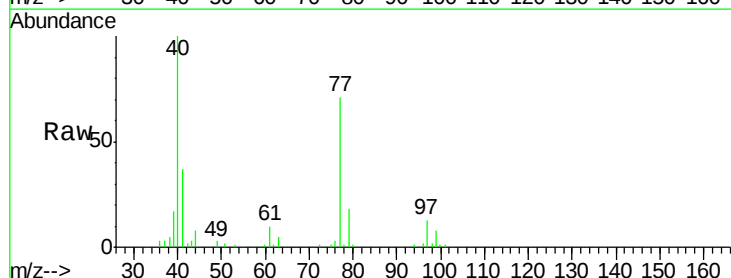
Acq: 26 Mar 2019 14:51

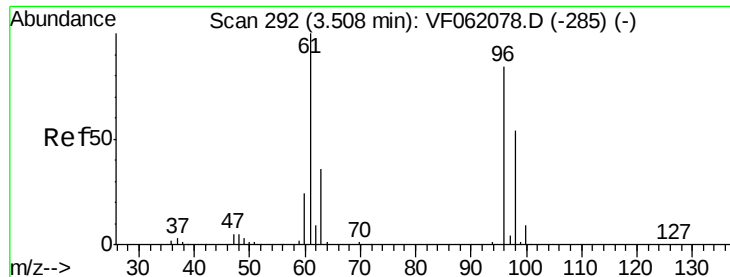
Tgt Ion: 77 Resp: 43234

Ion Ratio Lower Upper

77 100

97 18.1 10.3 30.9



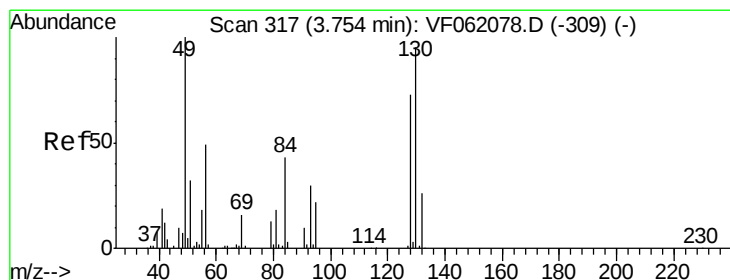
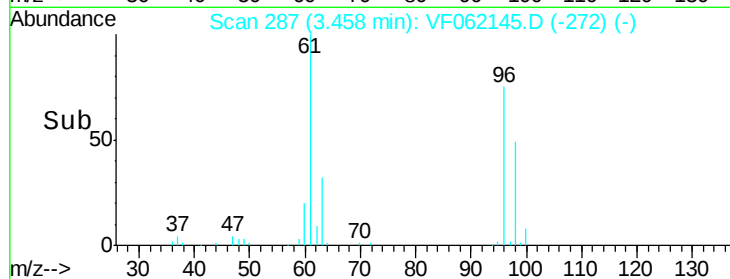
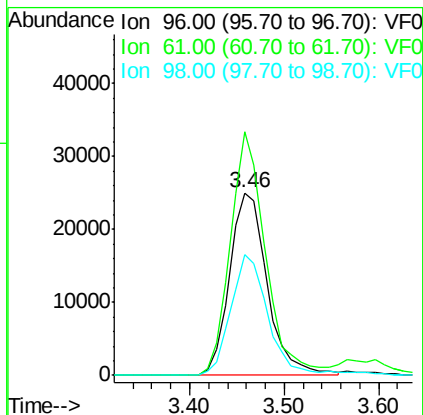
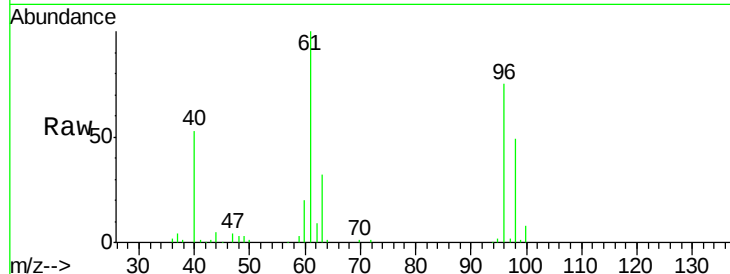


#27

cis-1,2-Dichloroethene
Concen: 22.881 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampled :

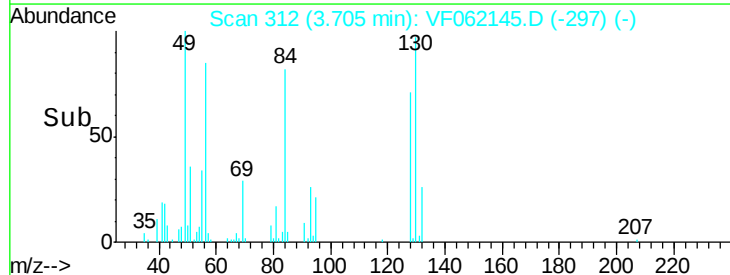
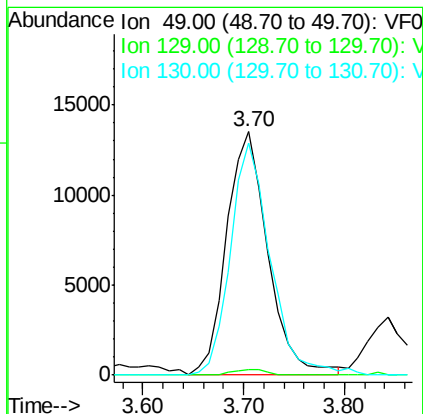
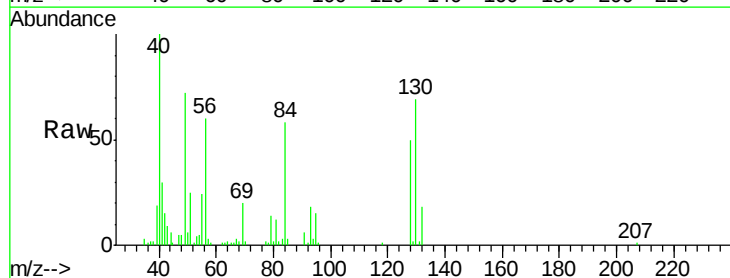
Tot Ion: 96 Resp: 68860
Ion Ratio Lower Upper
96 100
61 133.2 0.0 239.0
98 65.8 0.0 128.2

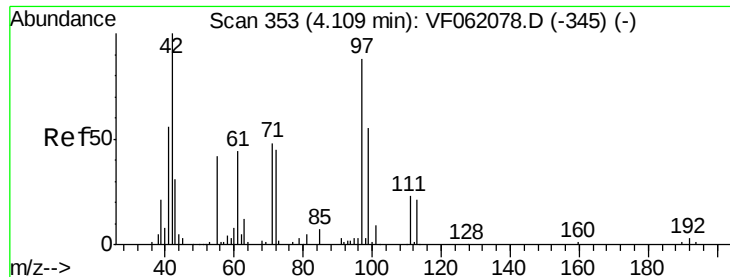


#28

Bromochloromethane
Concen: 23.863 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 49 Resp: 38631
Ion Ratio Lower Upper
49 100
129 2.3 0.0 5.6
130 95.4 75.5 113.3





#29

Tetrahydrofuran

Concen: 109.068 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

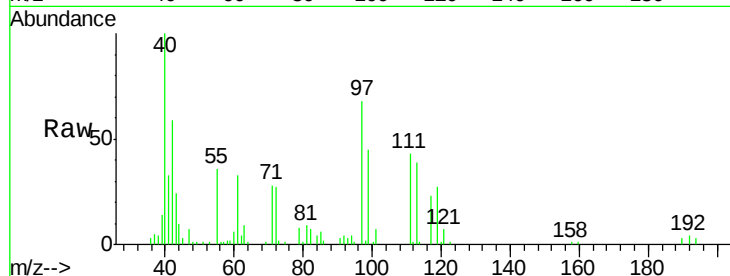
Tot Ion: 42 Resp: 37950

Ion Ratio Lower Upper

42 100

72 38.8 33.3 49.9

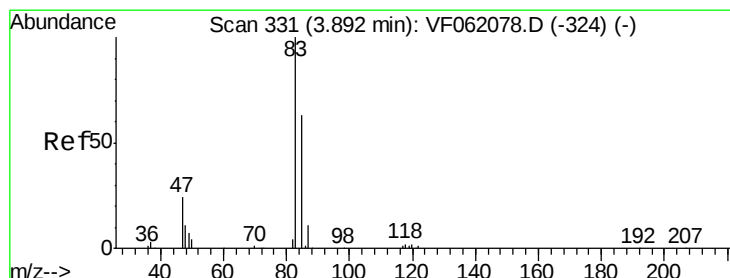
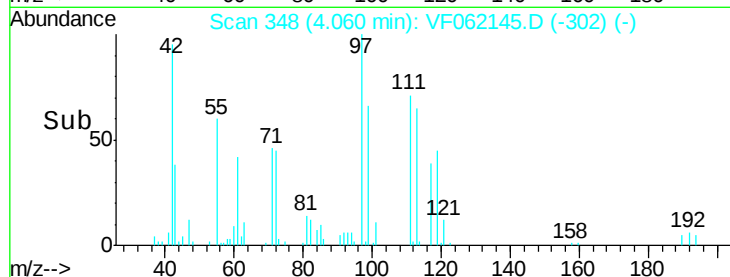
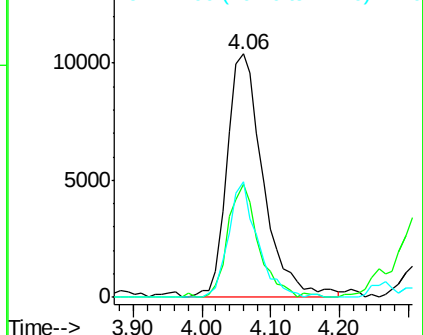
71 38.0 35.0 52.4



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 23.795 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.05 min

Lab File: VF062145.D

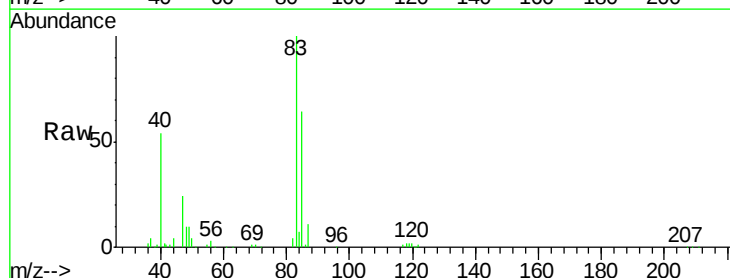
Acq: 26 Mar 2019 14:51

Tgt Ion: 83 Resp: 99638

Ion Ratio Lower Upper

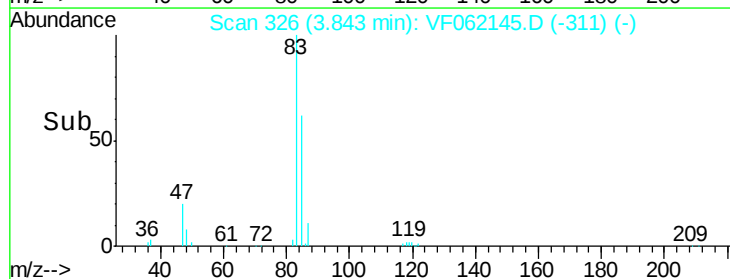
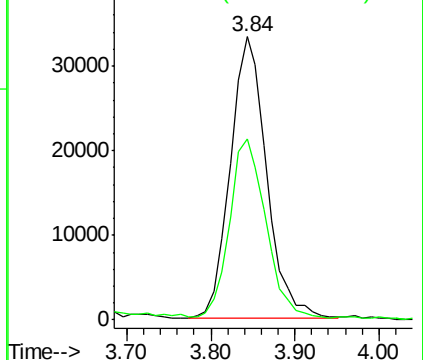
83 100

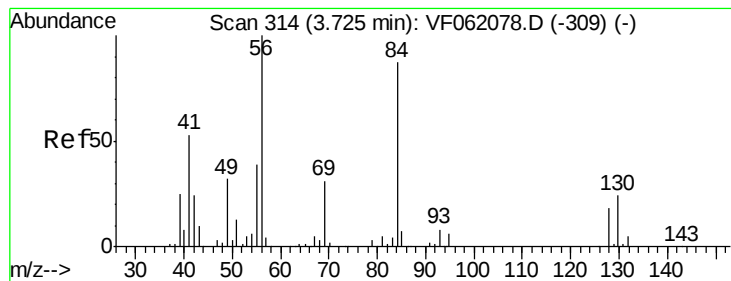
85 64.0 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 22.876 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.05 min

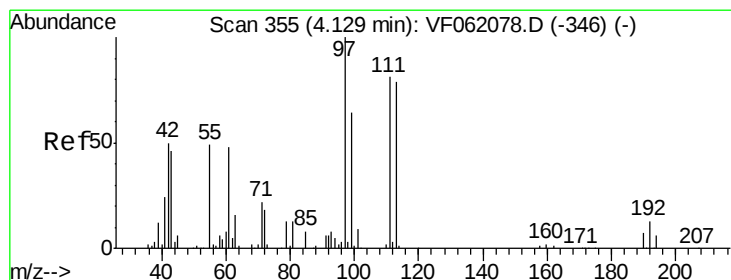
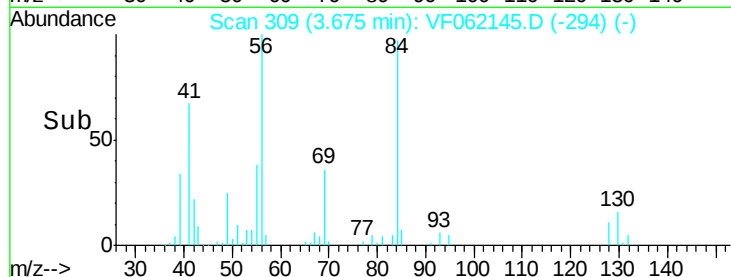
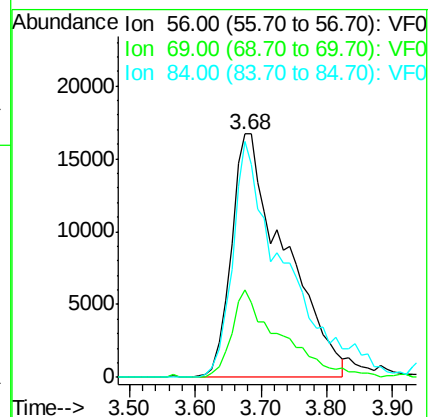
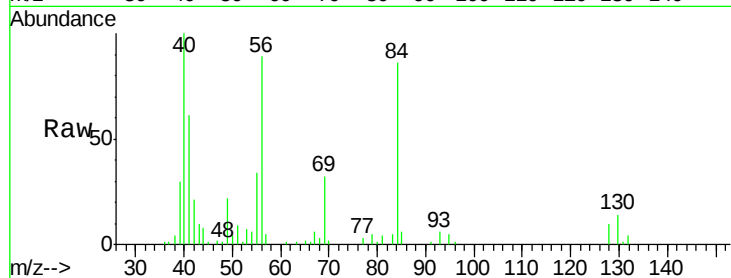
Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 94667

Ion	Ratio	Lower	Upper
56	100		
69	35.7	25.9	38.9
84	96.7	71.1	106.7



#32

1,1,1-Trichloroethane

Concen: 24.601 ug/l

RT: 4.08 min Scan# 350

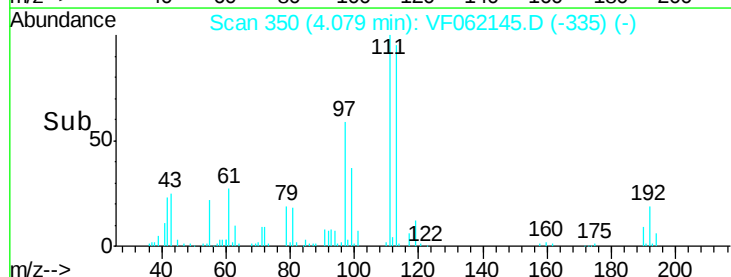
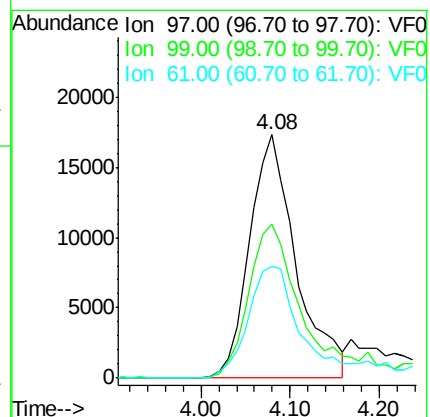
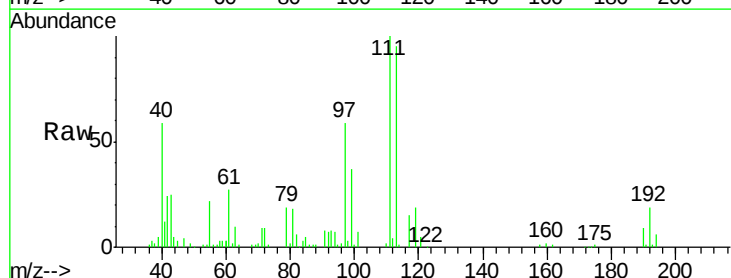
Delta R.T. -0.05 min

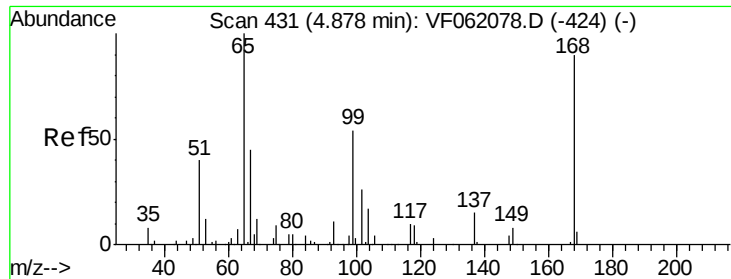
Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion: 97 Resp: 62663

Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.3	76.9
61	46.0	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 47.923 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

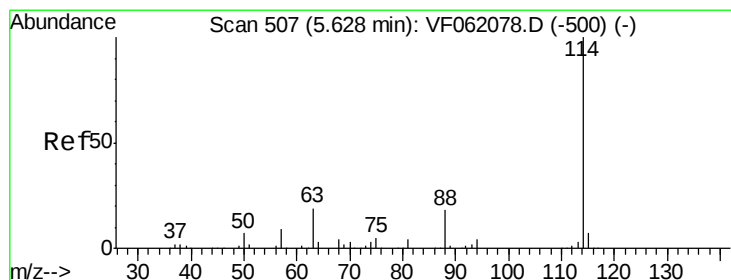
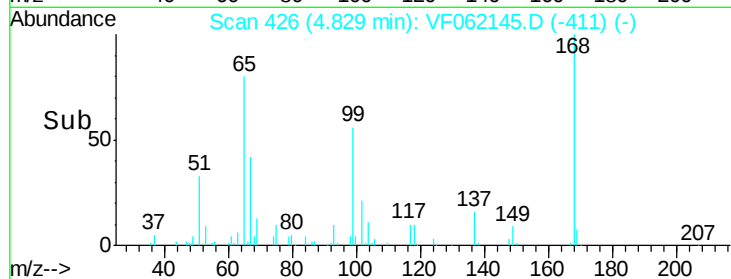
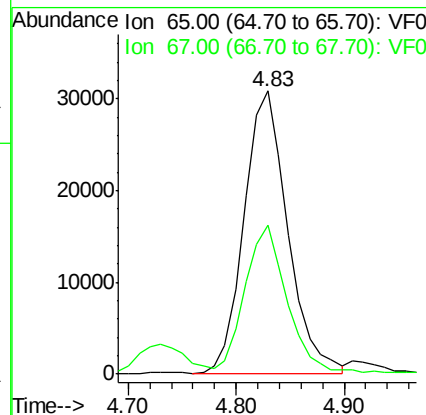
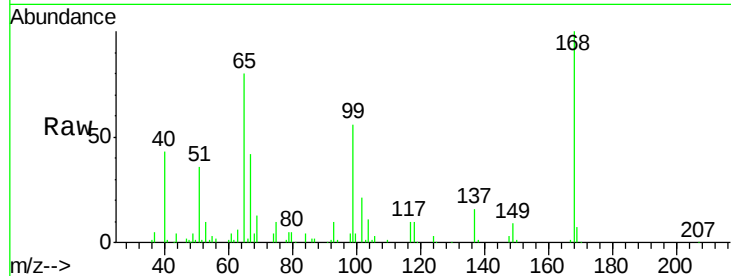
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 87287

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

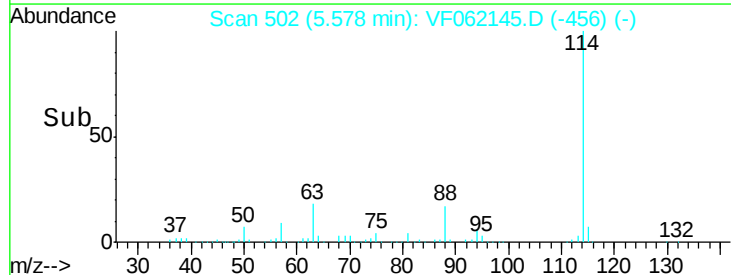
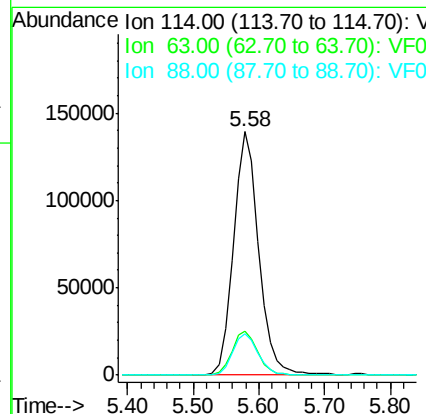
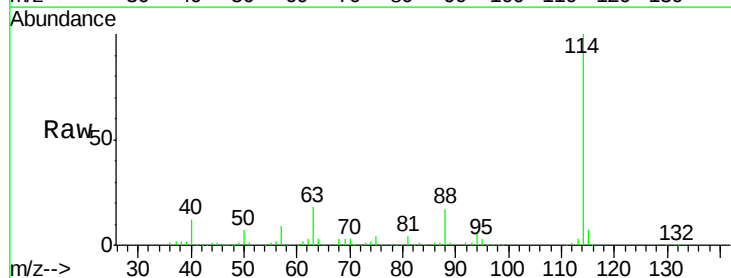
Tgt Ion: 114 Resp: 375533

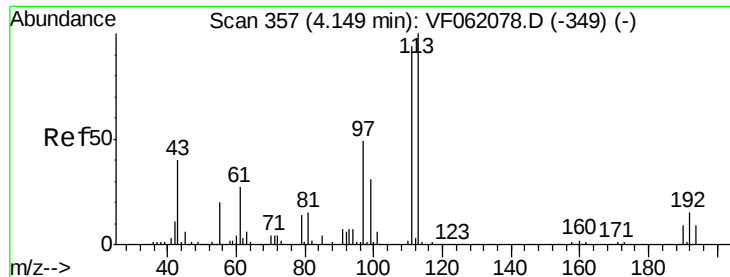
Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.8

88 16.8 0.0 36.4

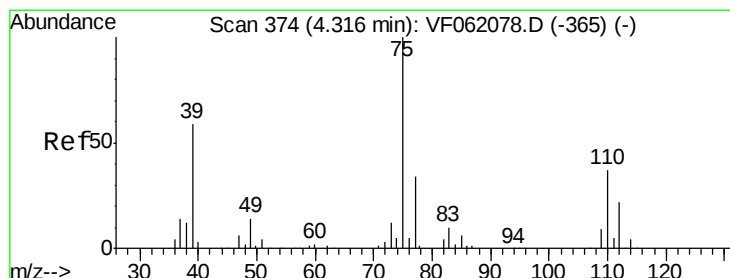
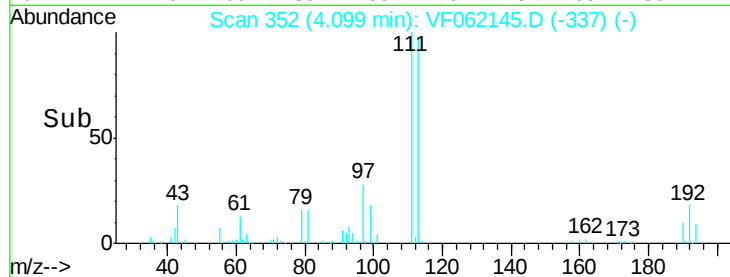
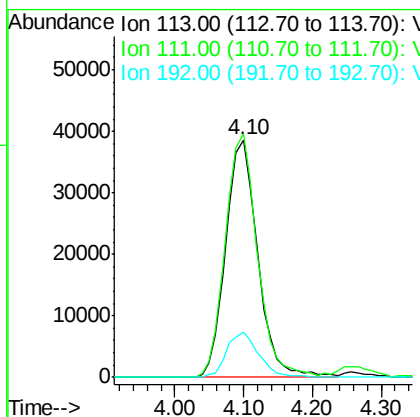
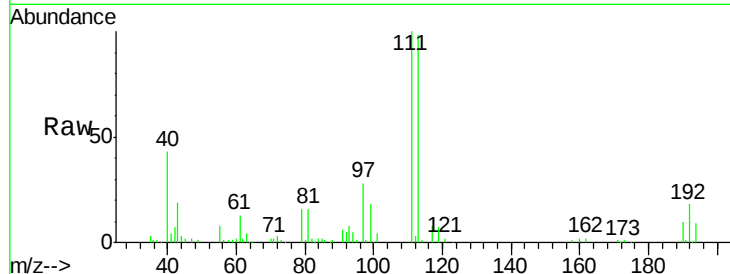




#35
 Dibromofluoromethane
 Concen: 49.135 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.05 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

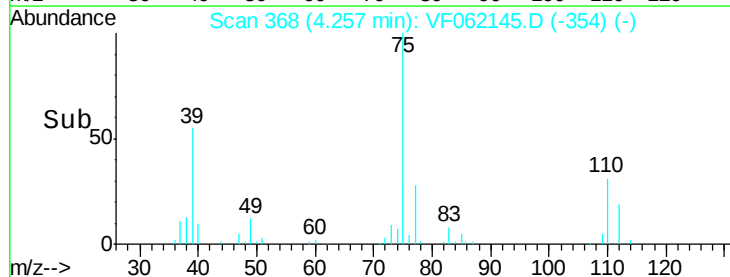
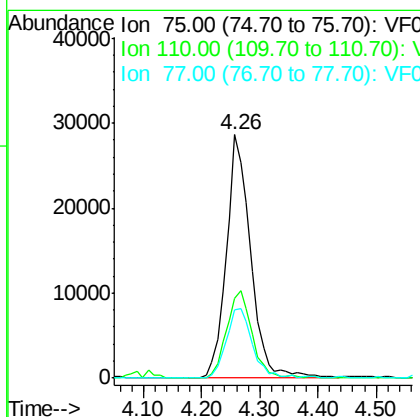
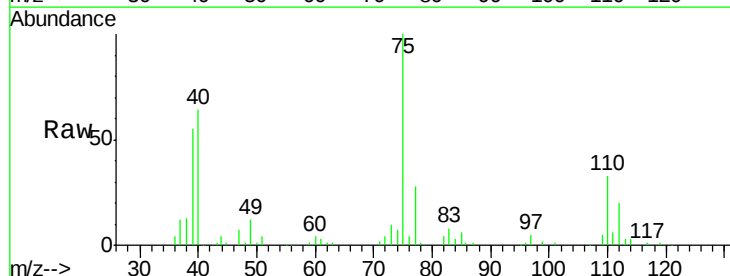
Instrument :
 MSVOA_F
 ClientSampleId :

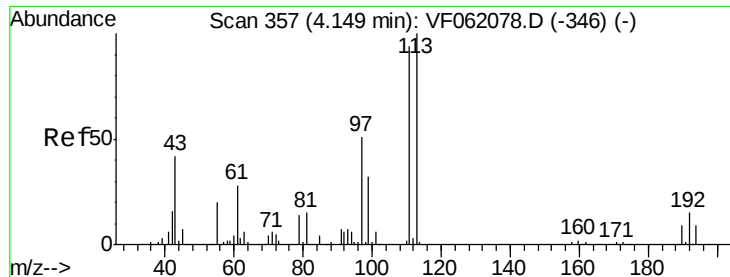
Tot Ion:113 Resp: 124818
 Ion Ratio Lower Upper
 113 100
 111 102.5 75.4 113.0
 192 19.3 12.3 18.5#



#36
 1,1-Dichloropropene
 Concen: 23.121 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.06 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion: 75 Resp: 82703
 Ion Ratio Lower Upper
 75 100
 110 32.6 18.5 55.5
 77 28.0 27.4 41.0





#37

Ethyl Acetate

Concen: 21.360 ug/l

RT: 4.09 min Scan# 351

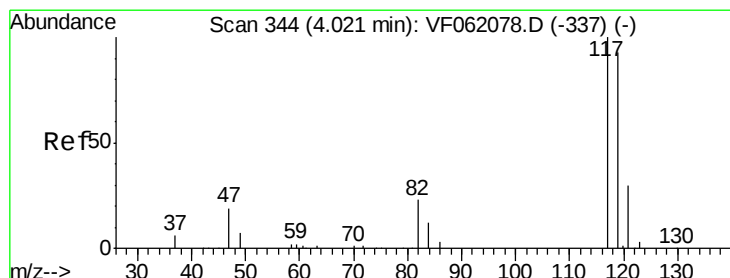
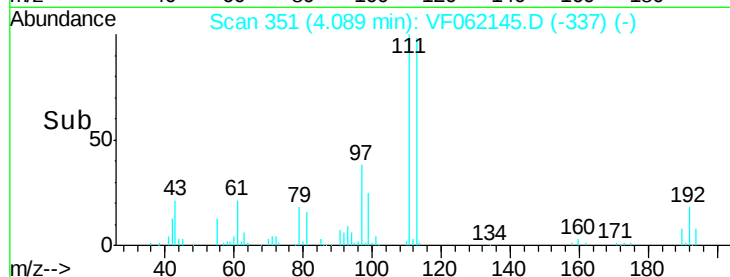
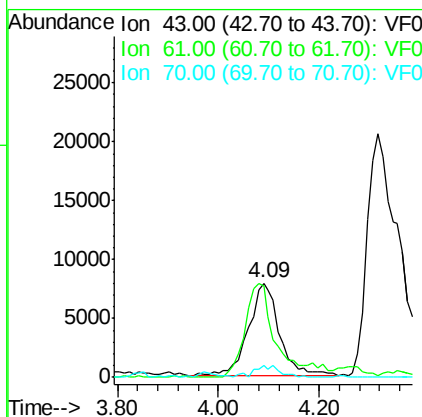
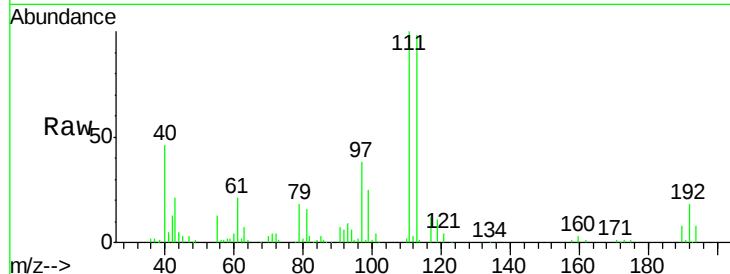
Delta R.T. -0.06 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 33391
Ion Ratio Lower Upper
43 100
61 97.2 53.6 80.4#
70 13.0 9.0 13.6



#38

Carbon Tetrachloride

Concen: 24.757 ug/l

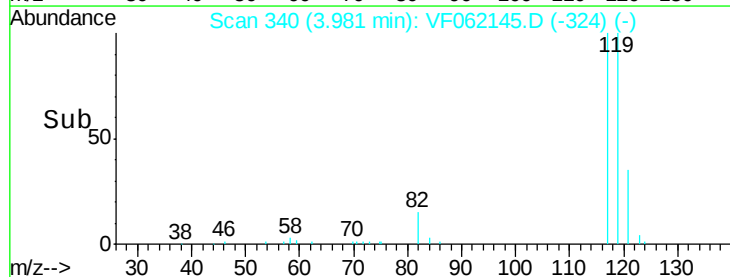
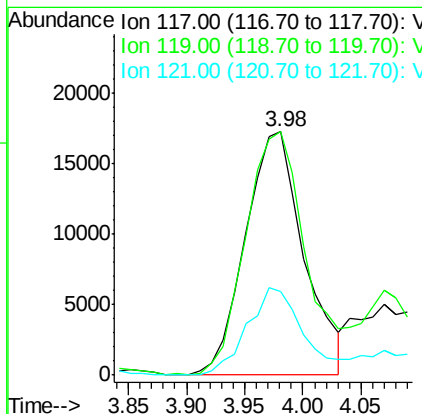
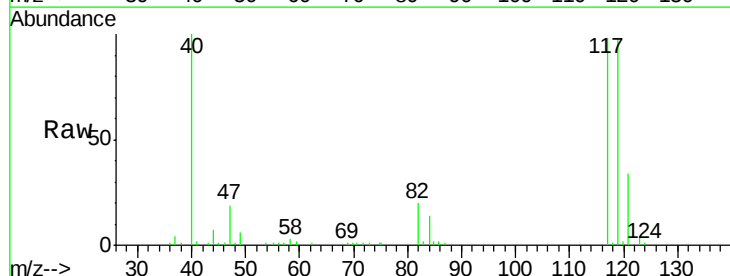
RT: 3.98 min Scan# 340

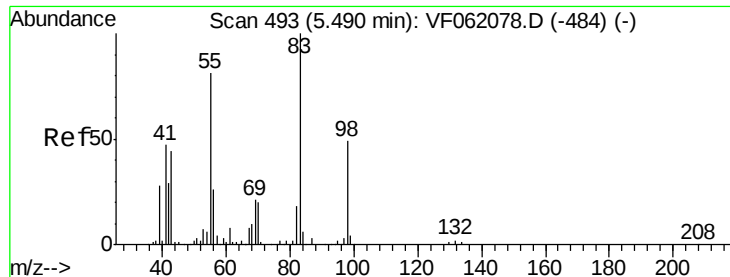
Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion: 117 Resp: 60355
Ion Ratio Lower Upper
117 100
119 100.2 74.7 112.1
121 34.4 23.6 35.4

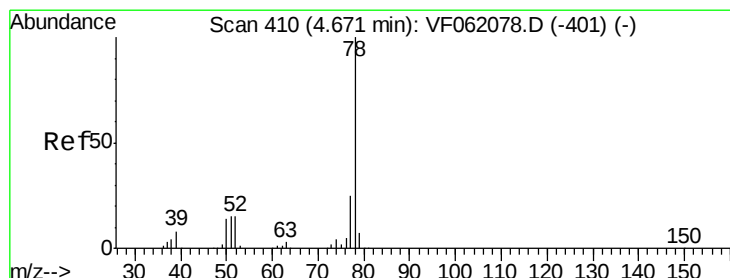
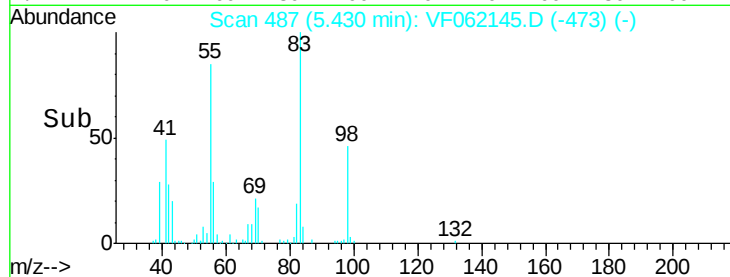
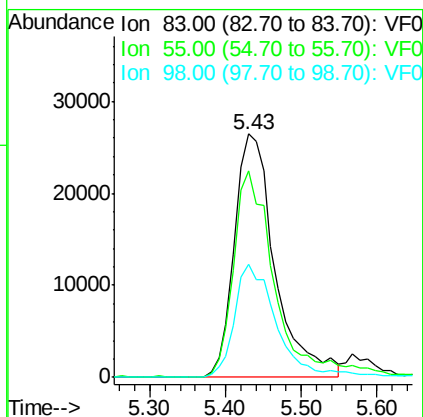
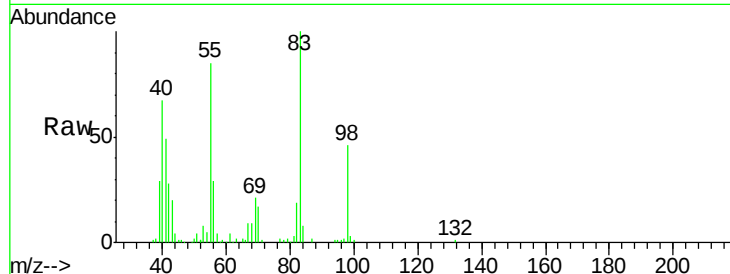




#39
Methvlcvclohexane
Concen: 23.855 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.06 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

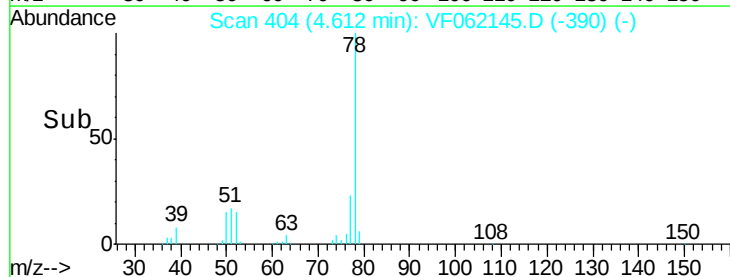
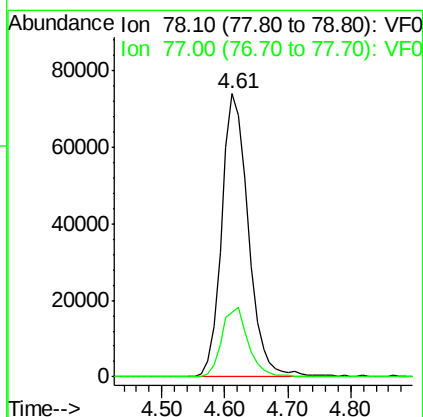
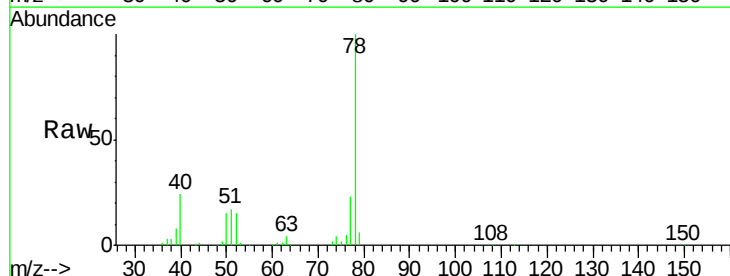
Instrument :
MSVOA_F
ClientSampleId :

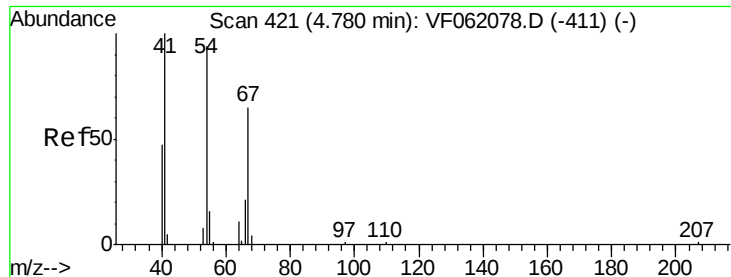
Tot Ion: 83 Resp: 99034
Ion Ratio Lower Upper
83 100
55 84.7 64.5 96.7
98 46.4 39.1 58.7



#40
Benzene
Concen: 22.775 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 78 Resp: 218394
Ion Ratio Lower Upper
78 100
77 22.7 19.8 29.6

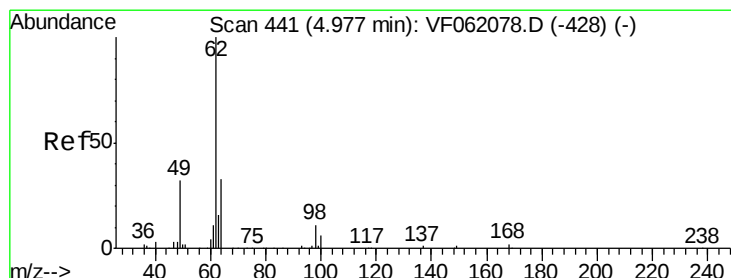
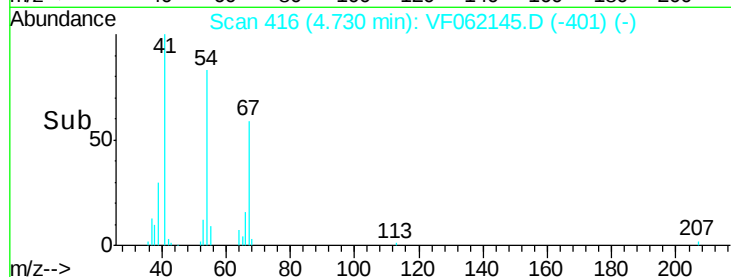
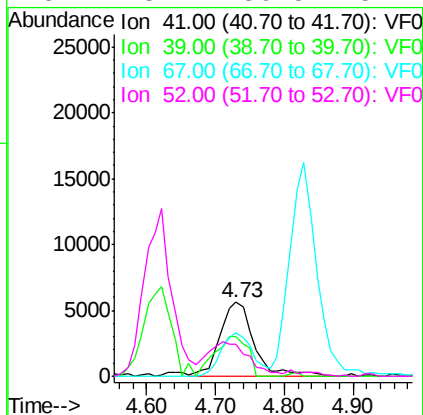
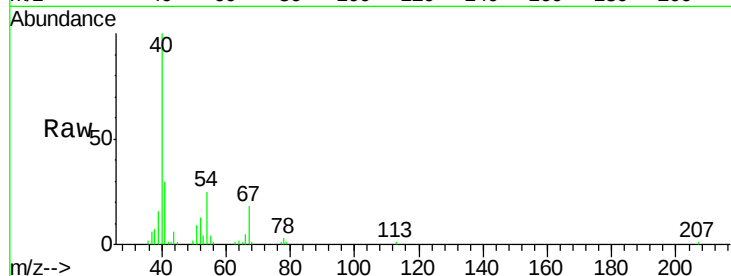




#41
Methacrylonitrile
Concen: 23.098 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

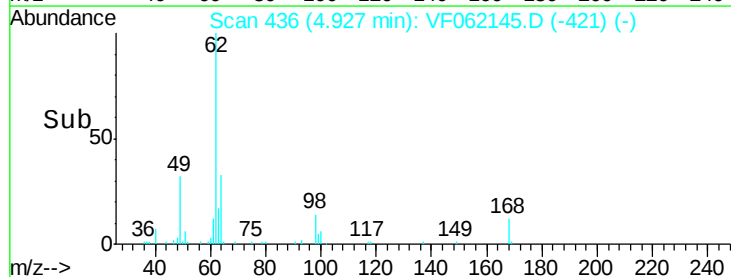
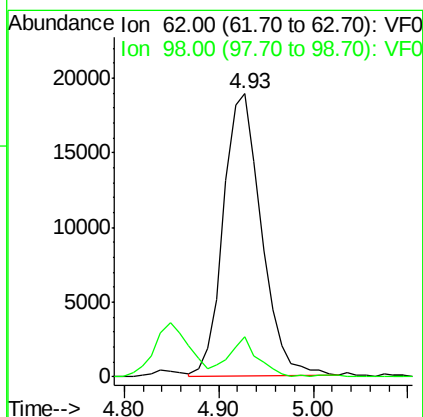
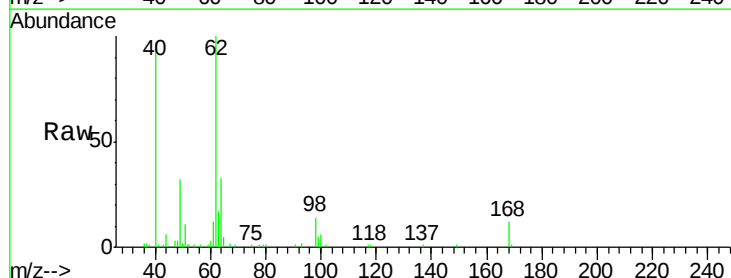
Instrument :
MSVOA_F
ClientSampled :

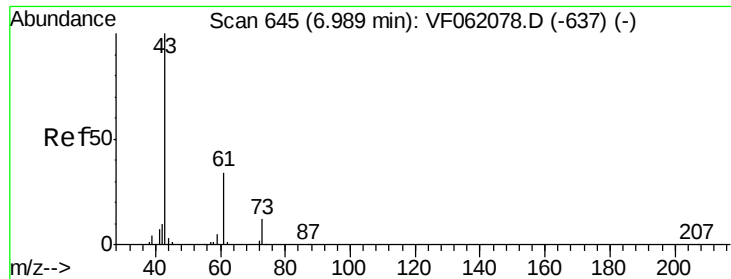
Tot Ion:	41	Resp:	19105
Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.5	65.3
67	58.8	51.6	77.4
52	43.1	36.5	54.7



#42
1,2-Dichloroethane
Concen: 23.170 ug/l
RT: 4.93 min Scan# 436
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion:	62	Resp:	52540
Ion	Ratio	Lower	Upper
62	100		
98	14.1	0.0	23.2



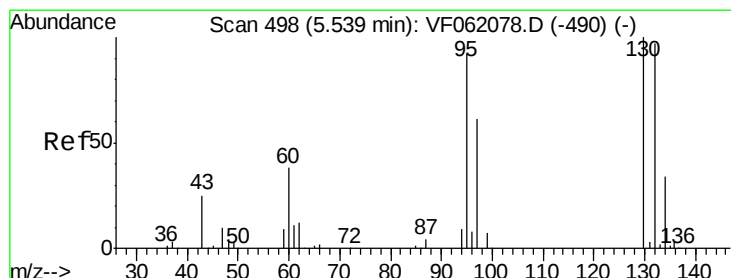
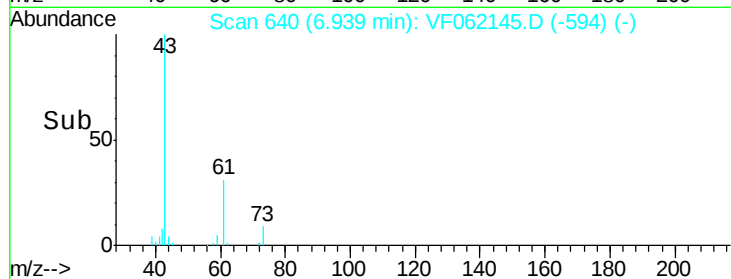
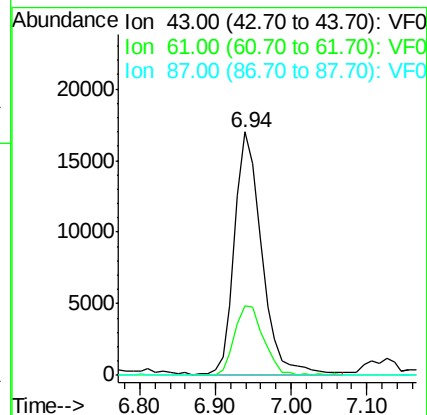
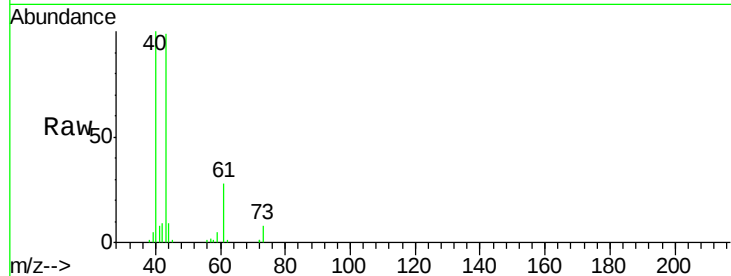


#43

Isopropyl Acetate
 Concen: 22.582 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.05 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :

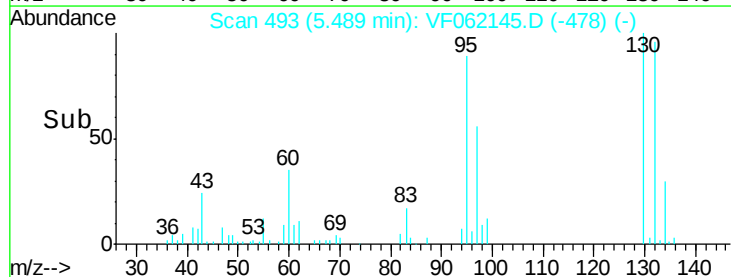
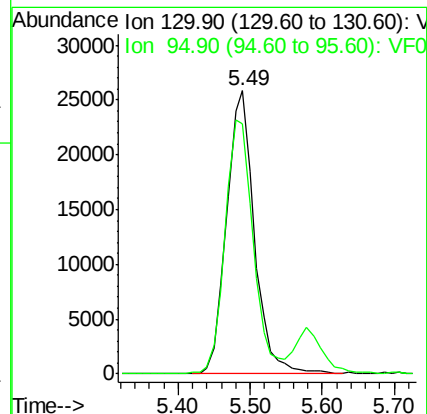
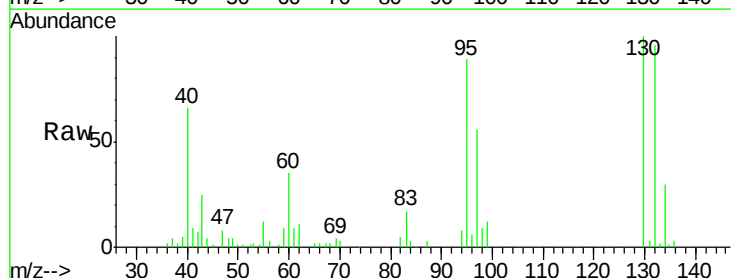
Tot Ion: 43 Resp: 42752
 Ion Ratio Lower Upper
 43 100
 61 28.6 27.0 40.4
 87 0.0 0.4 0.6#

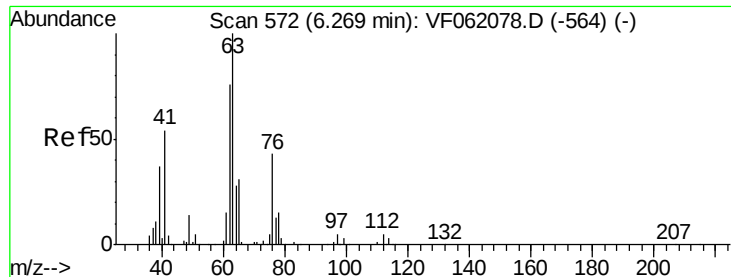


#44

Trichloroethene
 Concen: 23.442 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.05 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion:130 Resp: 68726
 Ion Ratio Lower Upper
 130 100
 95 88.5 0.0 183.4





#45

1,2-Dichloropropane

Concen: 22.777 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

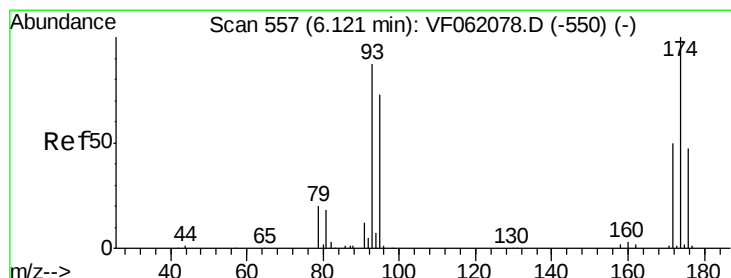
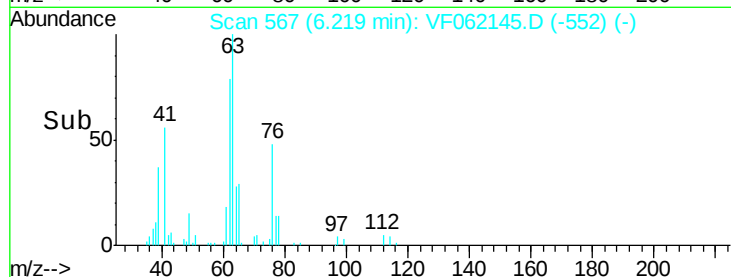
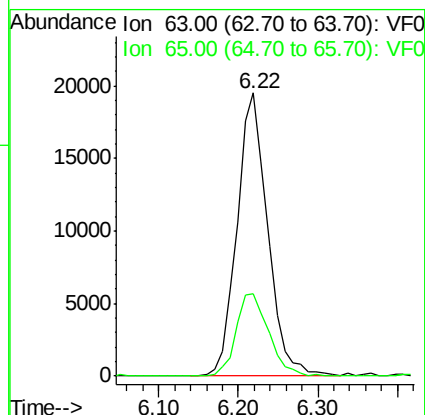
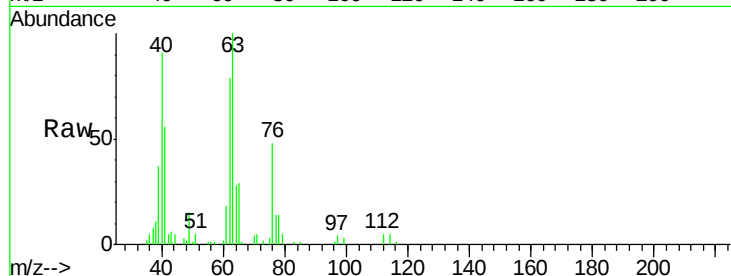
ClientSampled :

Tot Ion: 63 Resp: 52094

Ion Ratio Lower Upper

63 100

65 29.3 24.9 37.3



#46

Dibromomethane

Concen: 22.259 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

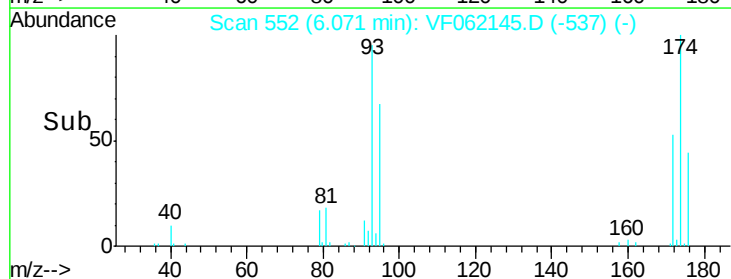
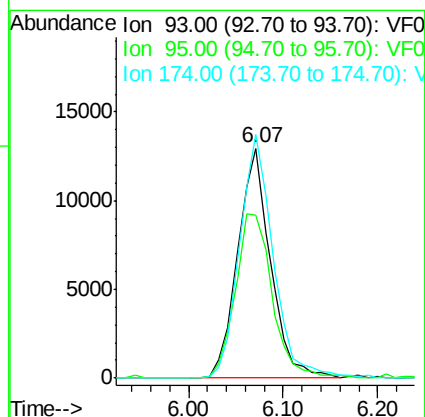
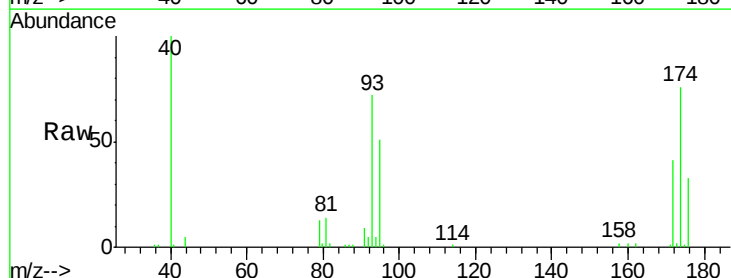
Tgt Ion: 93 Resp: 31127

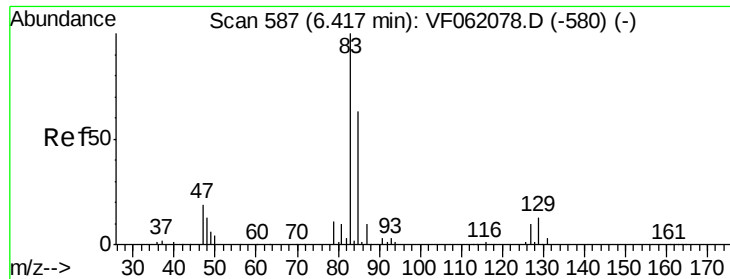
Ion Ratio Lower Upper

93 100

95 70.7 67.4 101.2

174 105.8 92.0 138.0





#47

Bromodichloromethane

Concen: 23.070 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

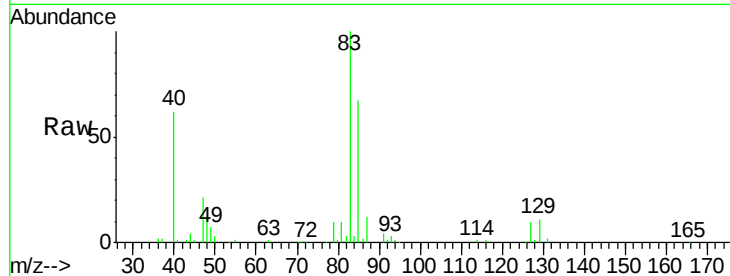
Tot Ion: 83 Resp: 71458

Ion Ratio Lower Upper

83 100

85 67.3 50.7 76.1

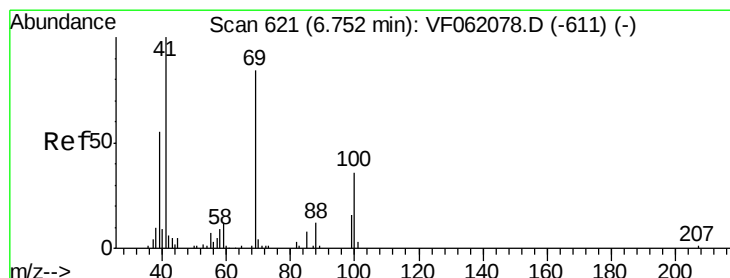
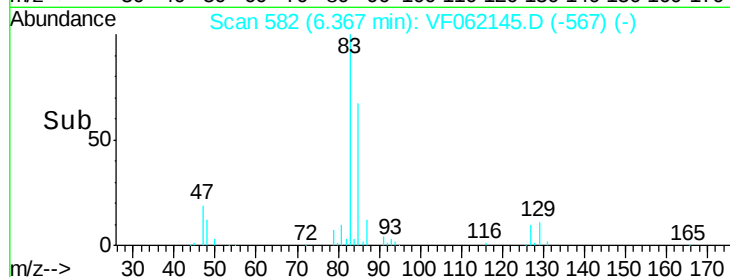
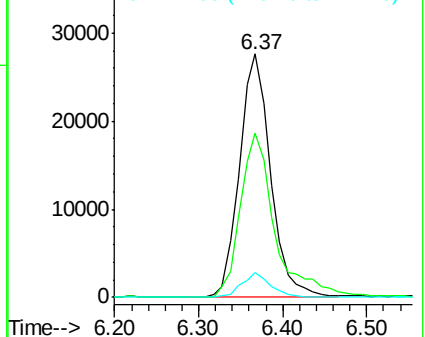
127 10.3 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 22.959 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

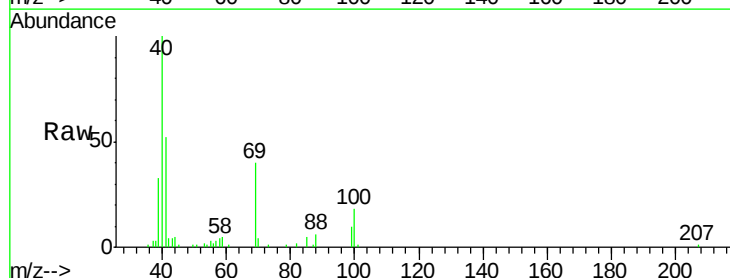
Tgt Ion: 41 Resp: 24748

Ion Ratio Lower Upper

41 100

69 77.3 66.6 100.0

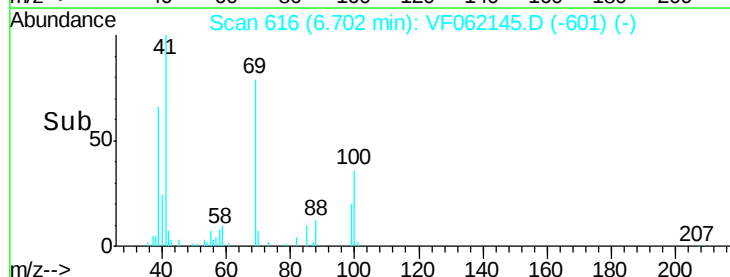
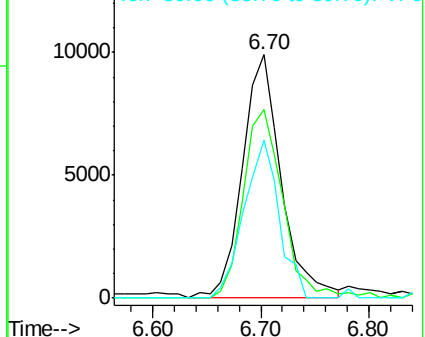
39 64.6 43.6 65.4

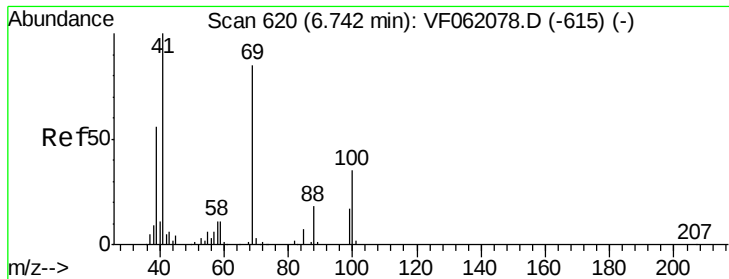


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 413.712 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.05 min

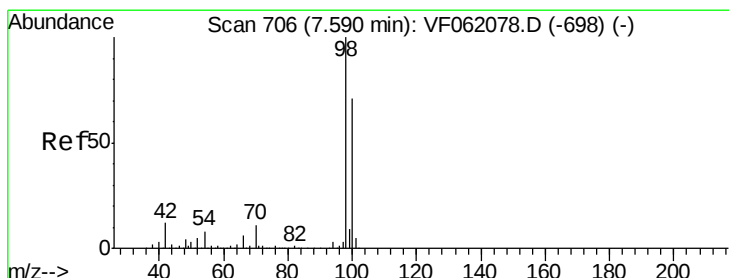
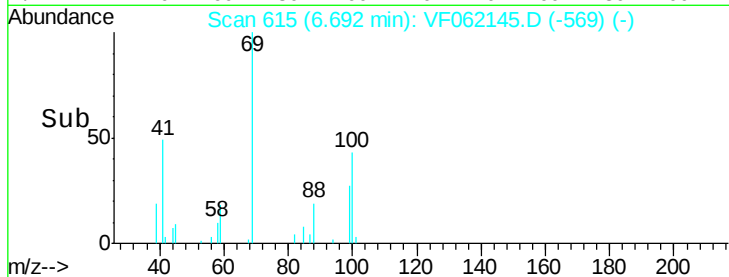
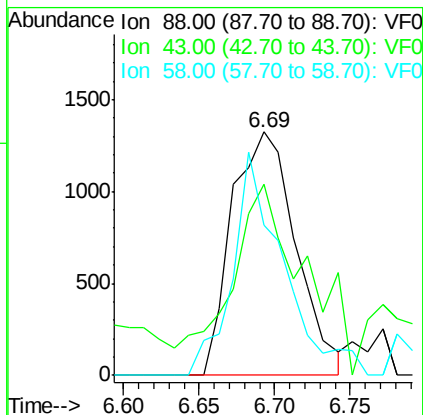
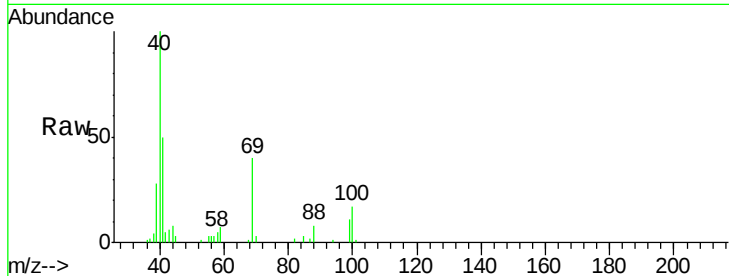
Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 3913

Ion	Ratio	Lower	Upper
88	100		
43	78.7	35.0	52.4#
58	61.7	49.9	74.9



#50

Toluene-d8

Concen: 47.484 ug/l

RT: 7.53 min Scan# 700

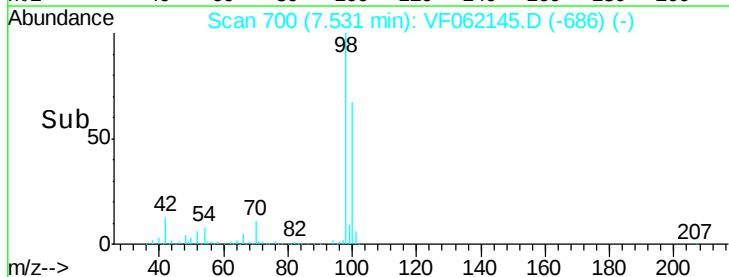
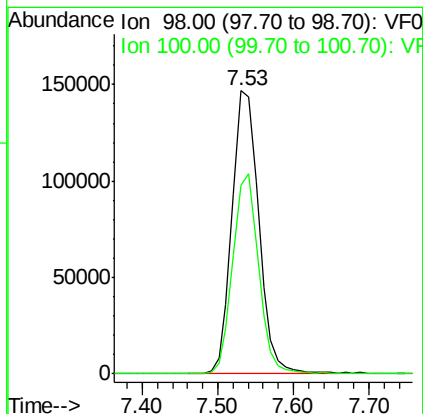
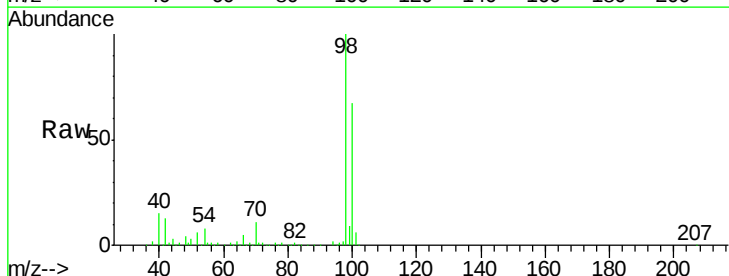
Delta R.T. -0.06 min

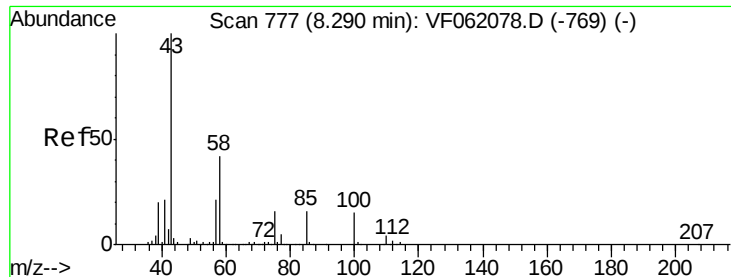
Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion: 98 Resp: 360070

Ion	Ratio	Lower	Upper
98	100		
100	66.6	57.0	85.6





#51

4-Methyl-2-Pentanone

Concen: 119.122 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

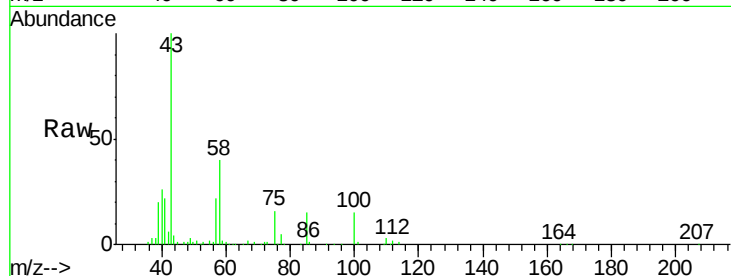
ClientSampleId :

Tot Ion: 43 Resp: 150941

Ion Ratio Lower Upper

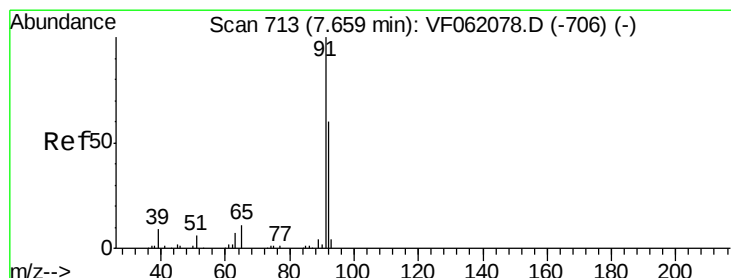
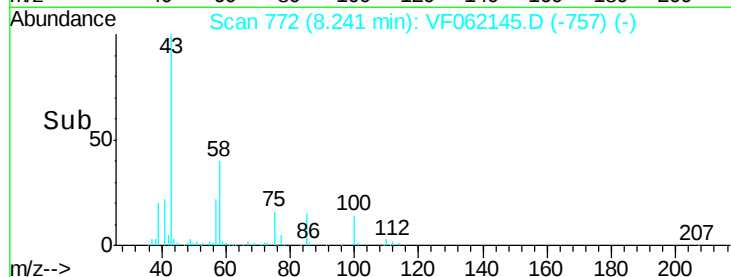
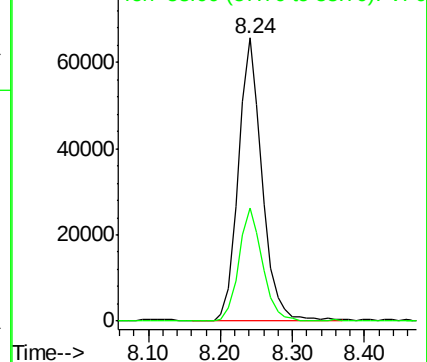
43 100

58 39.9 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.612 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF062145.D

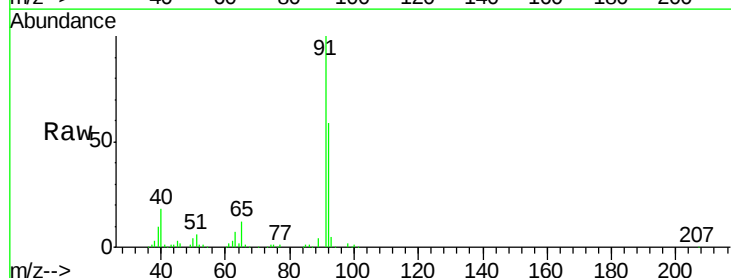
Acq: 26 Mar 2019 14:51

Tgt Ion: 92 Resp: 125591

Ion Ratio Lower Upper

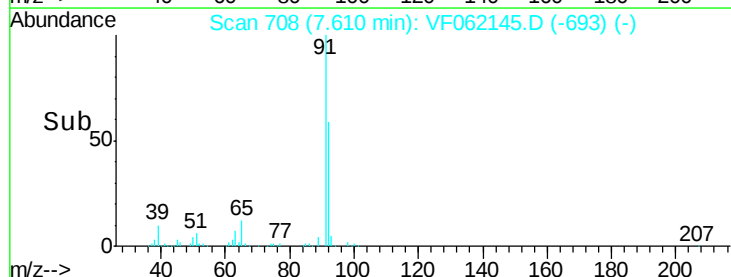
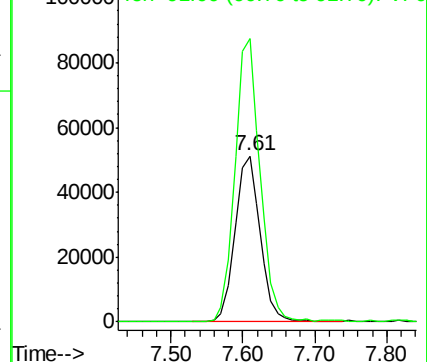
92 100

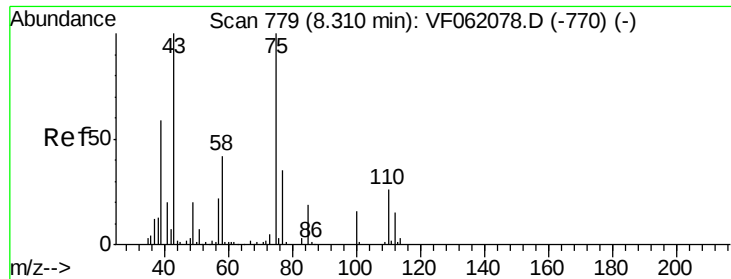
91 170.3 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 23.354 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

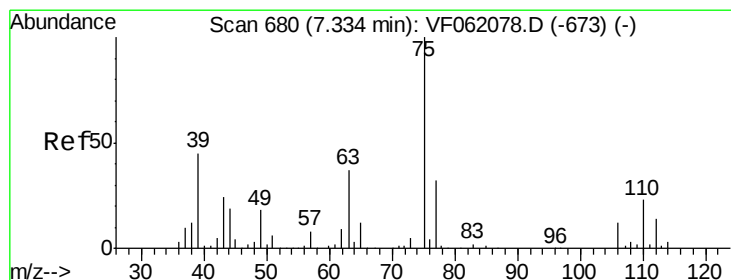
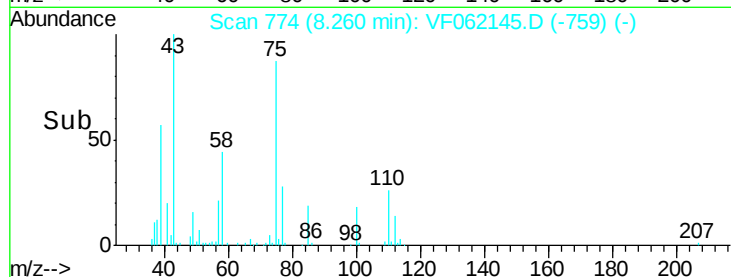
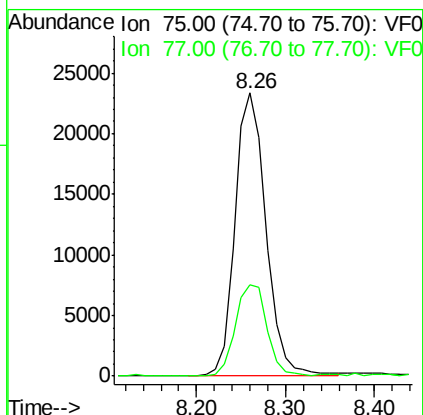
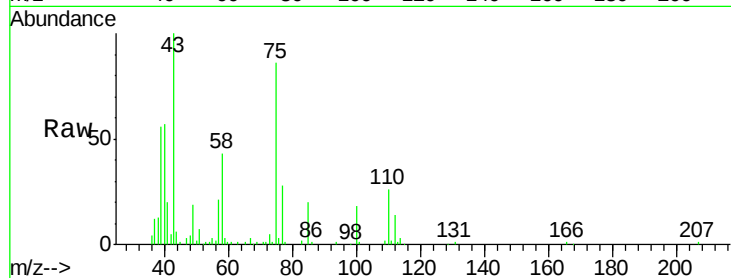
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 56786

Ion Ratio Lower Upper

75 100

77 32.1 28.0 42.0



#54

cis-1,3-Dichloropropene

Concen: 22.922 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

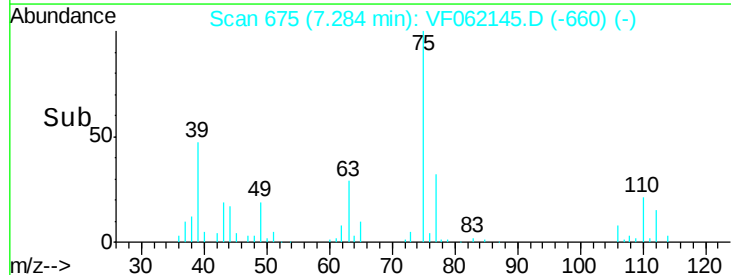
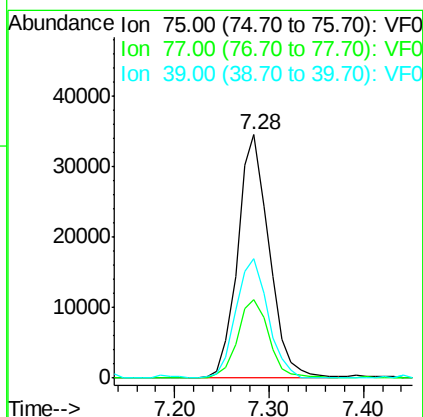
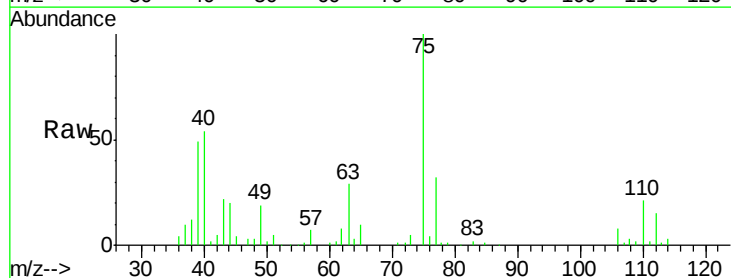
Tgt Ion: 75 Resp: 79750

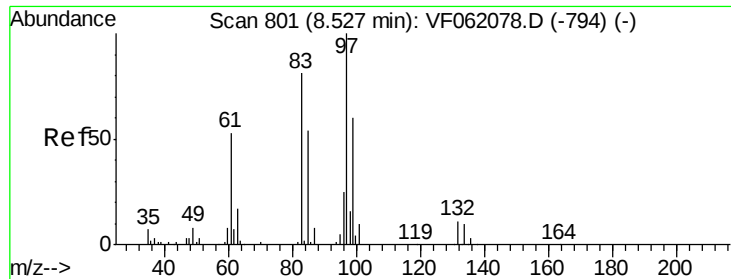
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

39 48.9 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 22.970 ug/l

RT: 8.48 min Scan# 796

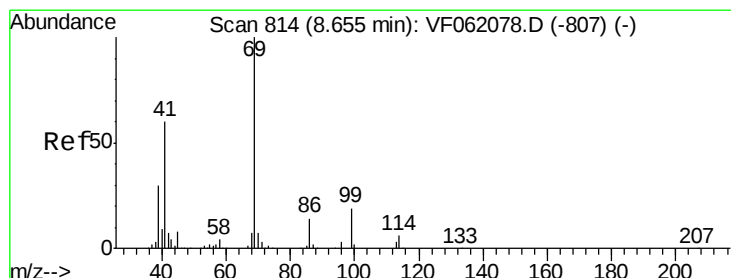
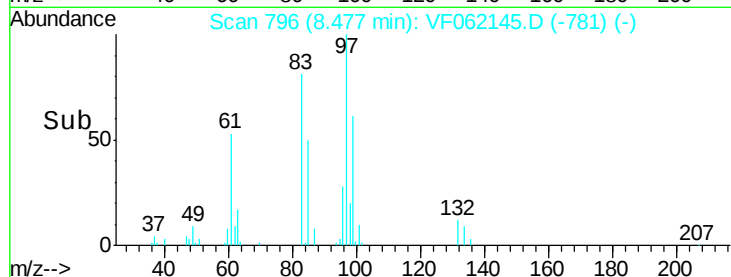
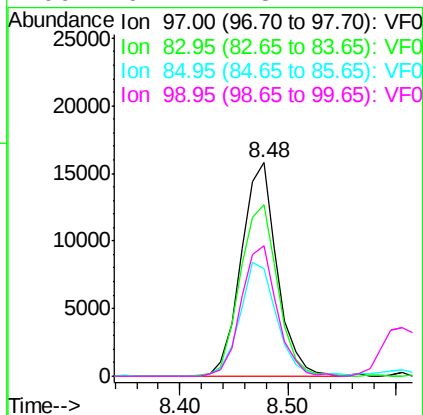
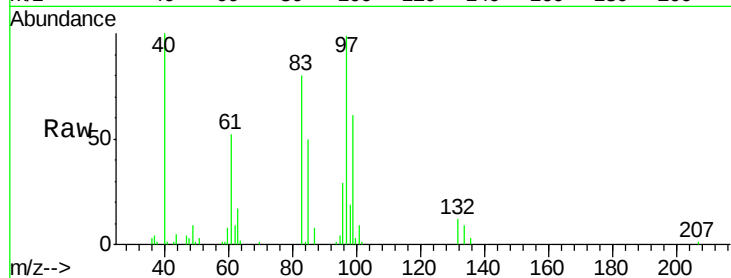
Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	36237
Ion	Ratio	Lower	Upper
97	100		
83	80.6	64.6	97.0
85	50.2	43.6	65.4
99	61.4	48.2	72.2



#56

Ethyl methacrylate

Concen: 21.794 ug/l

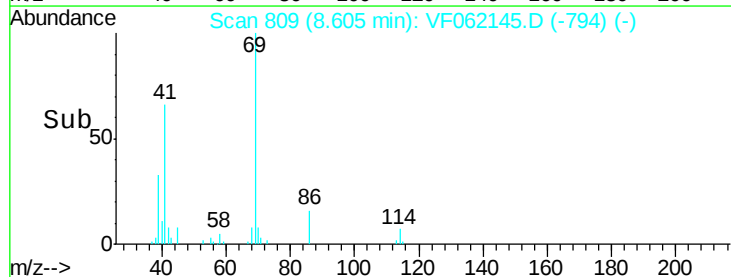
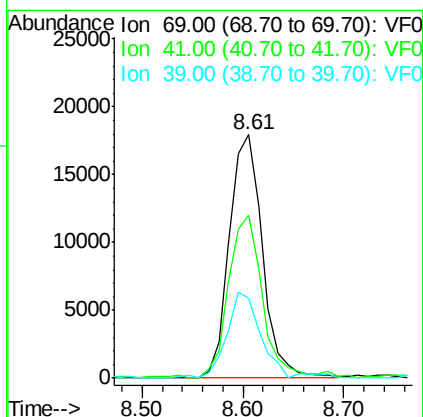
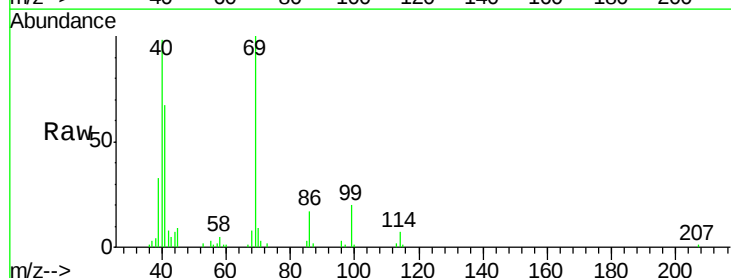
RT: 8.61 min Scan# 809

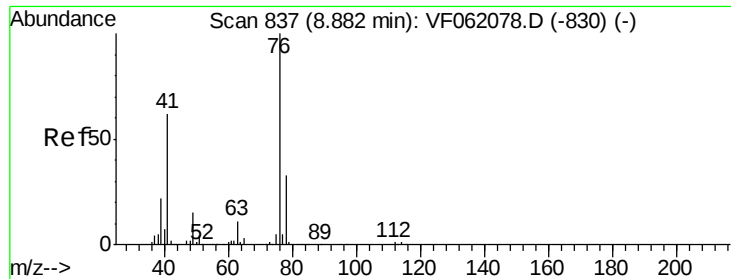
Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion:	69	Resp:	41005
Ion	Ratio	Lower	Upper
69	100		
41	66.9	48.2	72.2
39	32.7	24.0	36.0





#57

1,3-Dichloropropane

Concen: 22.623 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

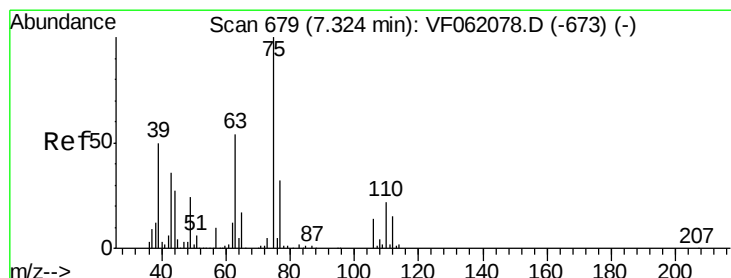
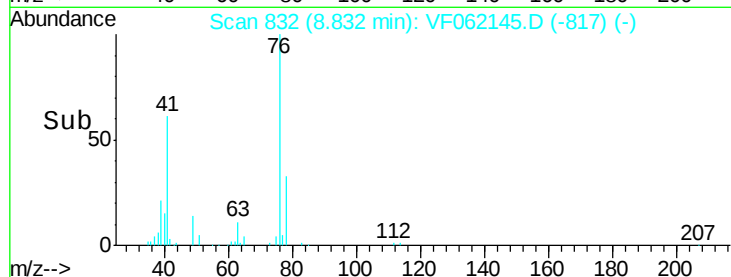
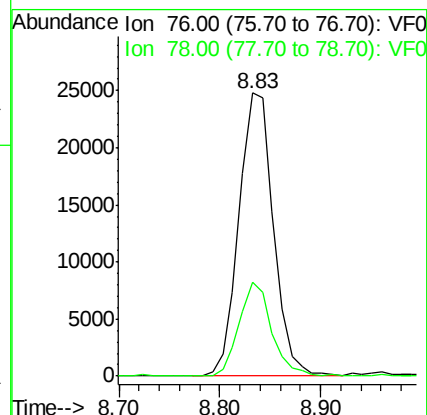
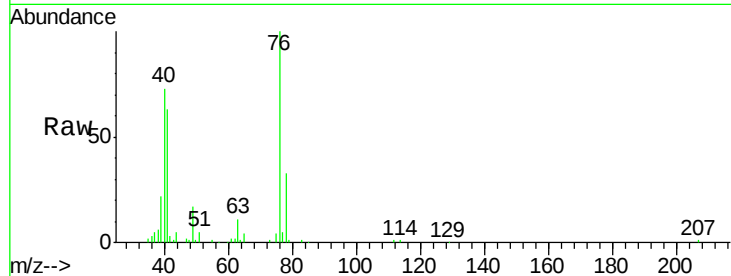
ClientSampled :

Tot Ion: 76 Resp: 59235

Ion Ratio Lower Upper

76 100

78 33.2 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 99.198 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.05 min

Lab File: VF062145.D

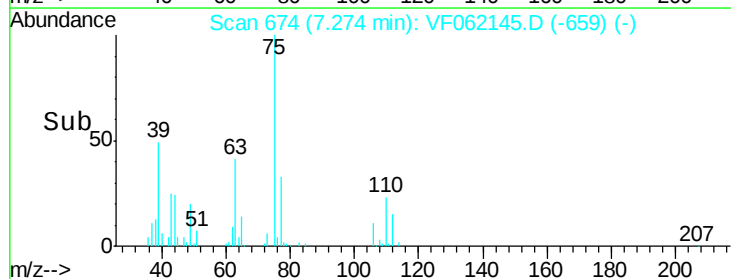
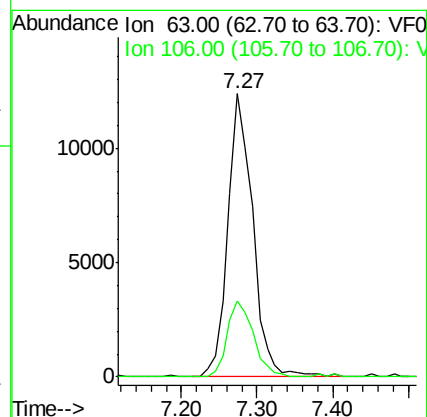
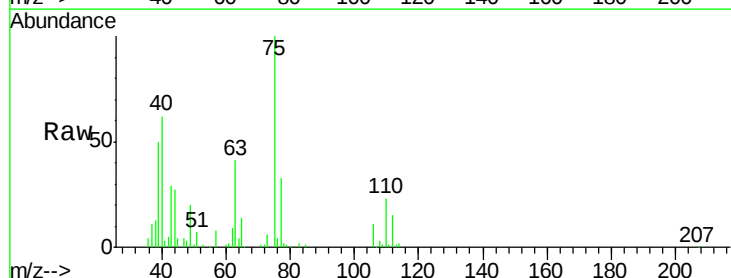
Acq: 26 Mar 2019 14:51

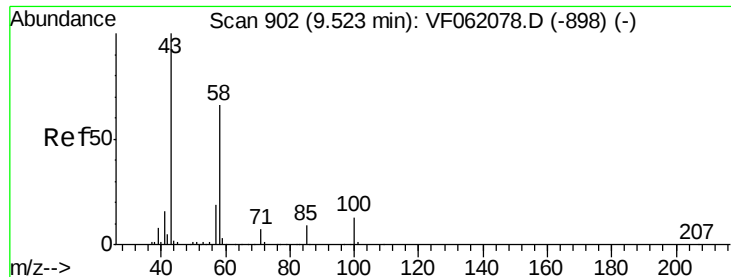
Tgt Ion: 63 Resp: 28321

Ion Ratio Lower Upper

63 100

106 27.0 21.5 32.3

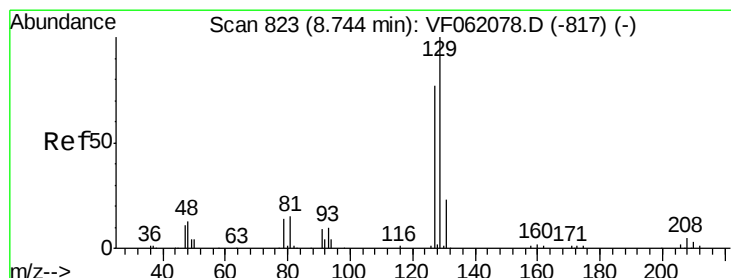
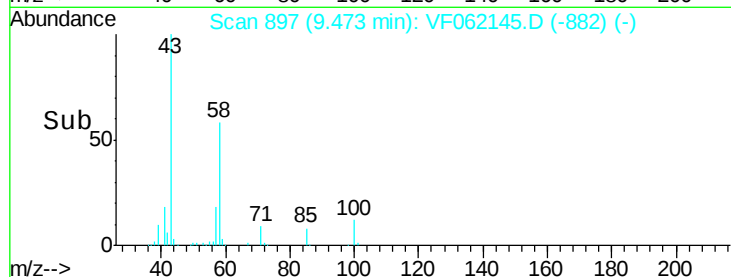
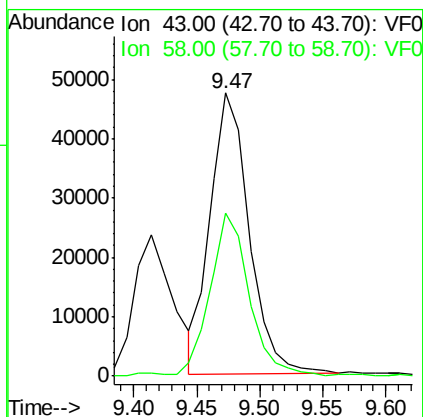
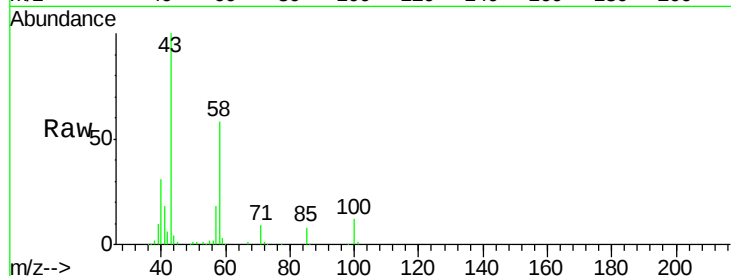




#59
2-Hexanone
Concen: 109.983 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

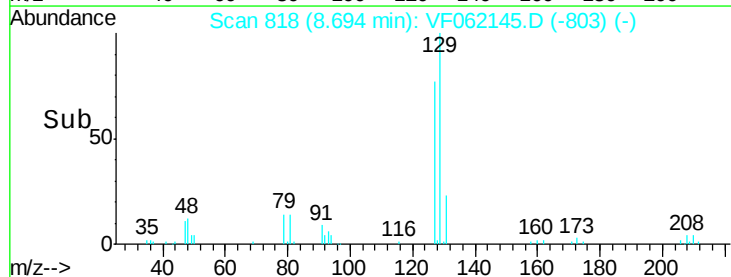
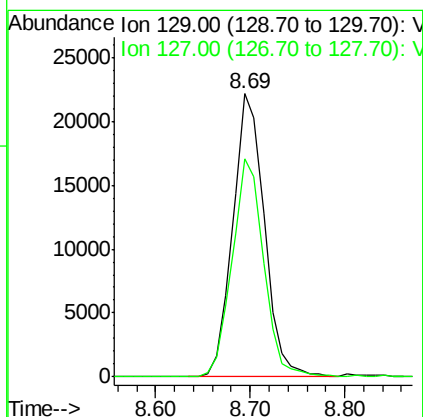
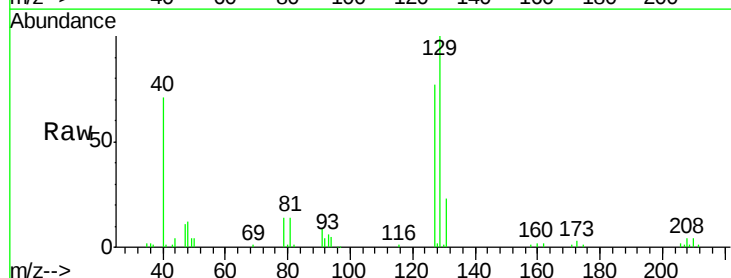
Instrument :
MSVOA_F
ClientSampled :

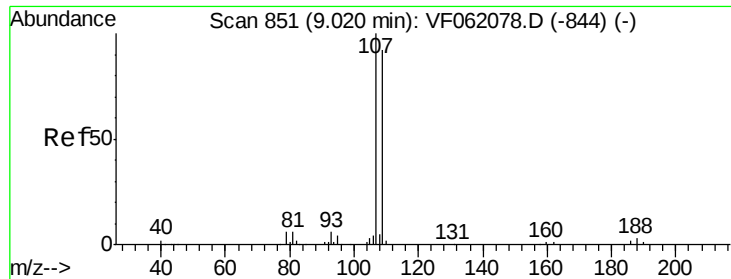
Tot Ion: 43 Resp: 102138
Ion Ratio Lower Upper
43 100
58 57.5 28.8 86.4



#60
Dibromochloromethane
Concen: 23.342 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 129 Resp: 51193
Ion Ratio Lower Upper
129 100
127 77.0 38.7 116.1





#61

1,2-Dibromoethane

Concen: 23.364 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

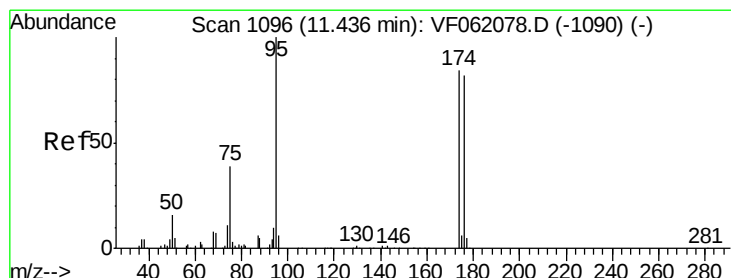
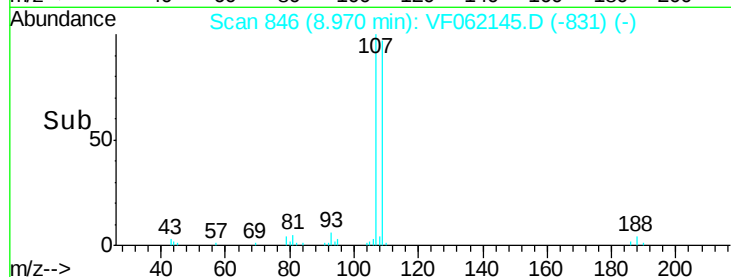
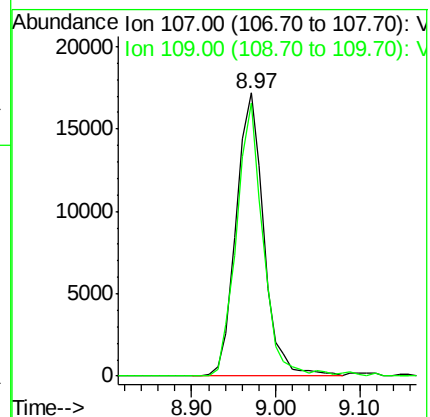
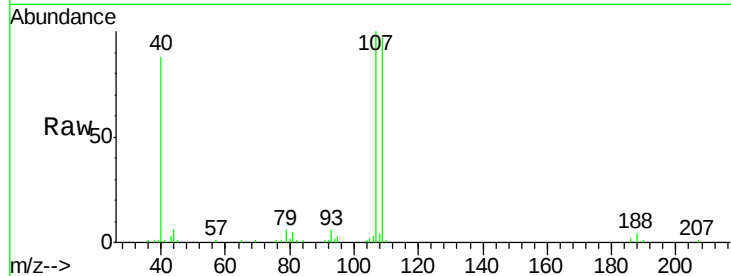
ClientSampleId :

Tot Ion:107 Resp: 39324

Ion Ratio Lower Upper

107 100

109 96.6 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 49.228 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

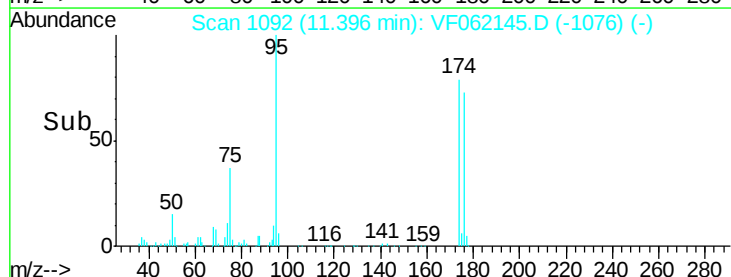
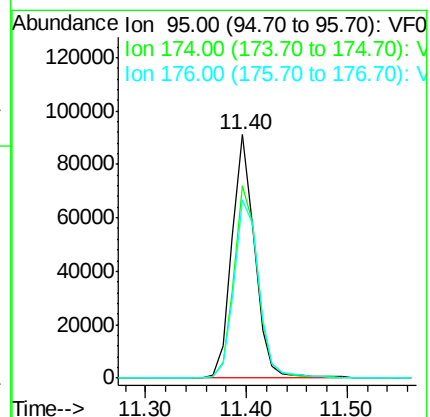
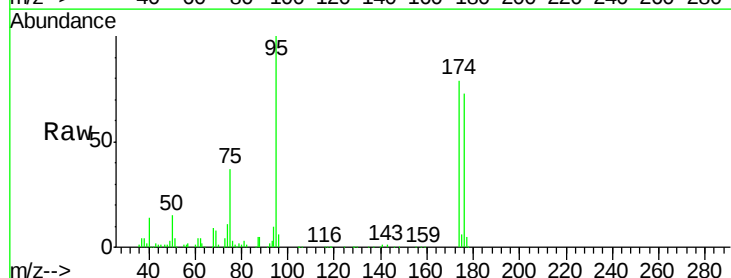
Tgt Ion: 95 Resp: 144111

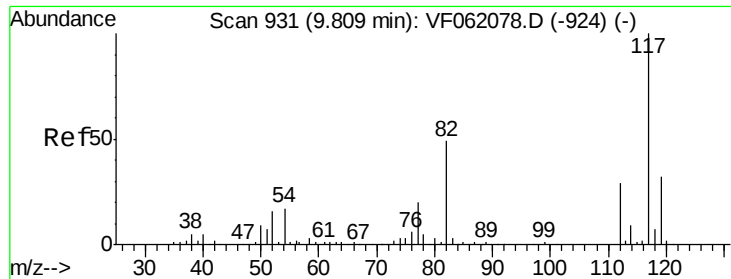
Ion Ratio Lower Upper

95 100

174 78.9 0.0 168.2

176 73.4 0.0 164.2

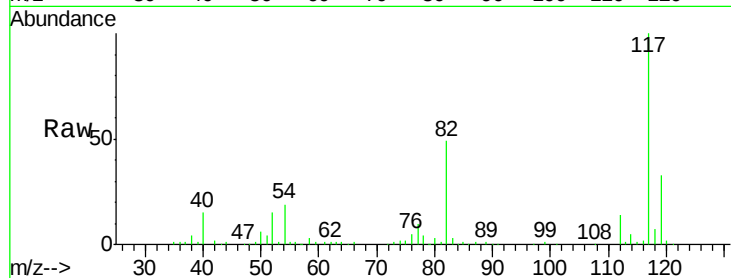




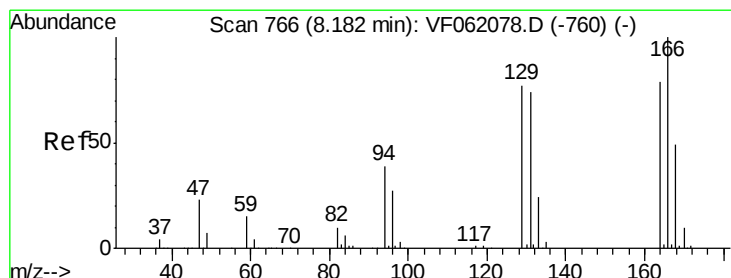
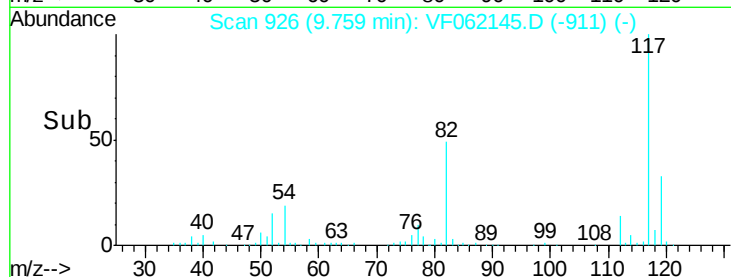
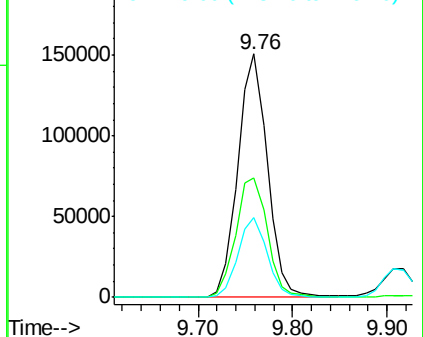
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 328474
Ion Ratio Lower Upper
117 100
82 49.3 39.2 58.8
119 32.7 25.4 38.2

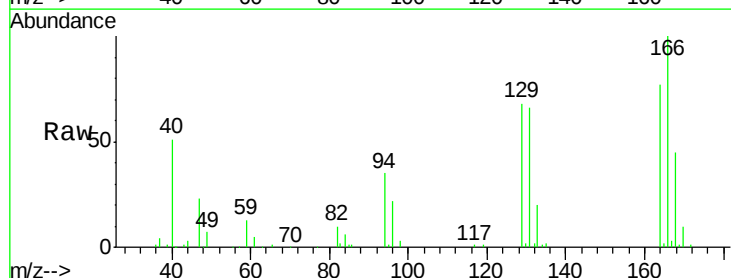


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

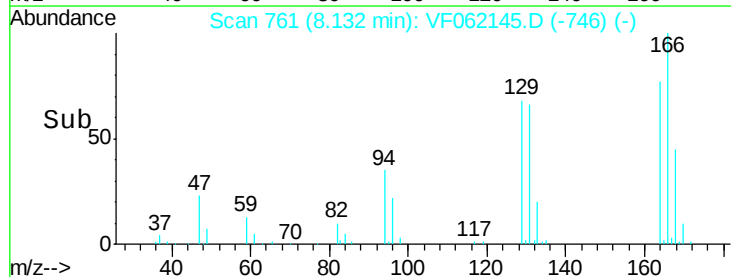
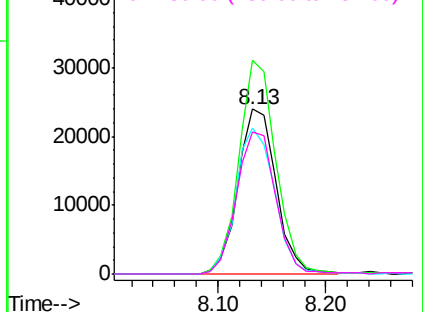


#64
Tetrachloroethene
Concen: 23.153 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion:164 Resp: 58757
Ion Ratio Lower Upper
164 100
166 129.8 100.9 151.3
129 88.6 77.9 116.9
131 86.0 74.6 112.0



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

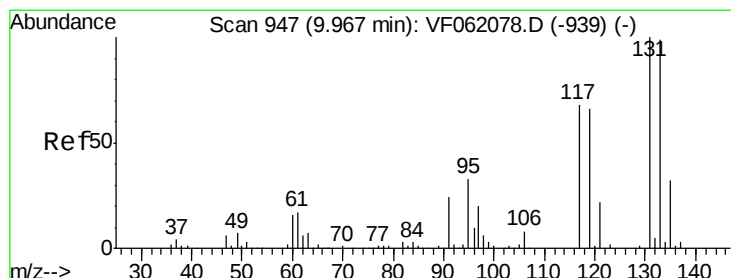
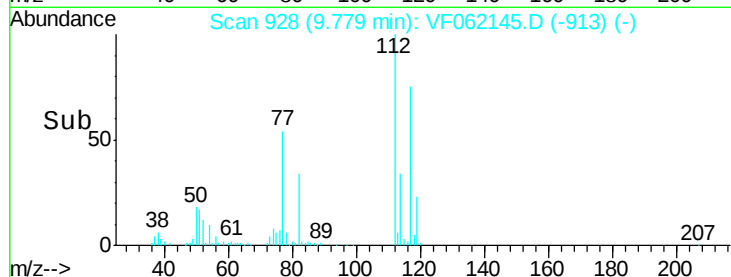
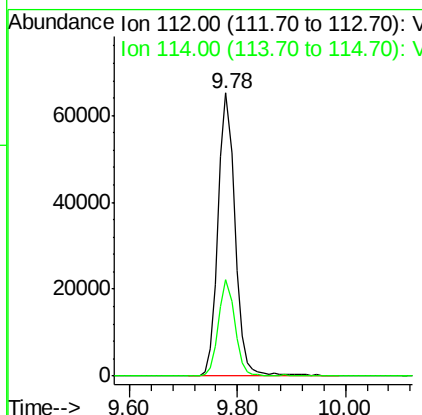
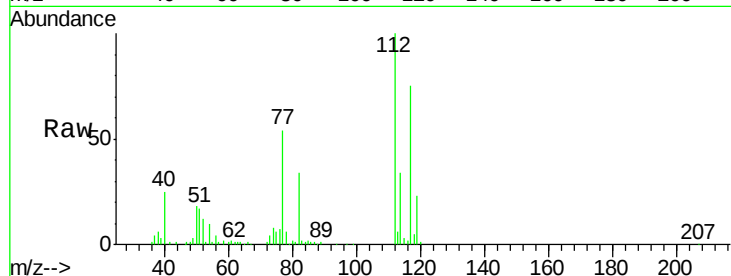




#65
Chlorobenzene
Concen: 23.036 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.05 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

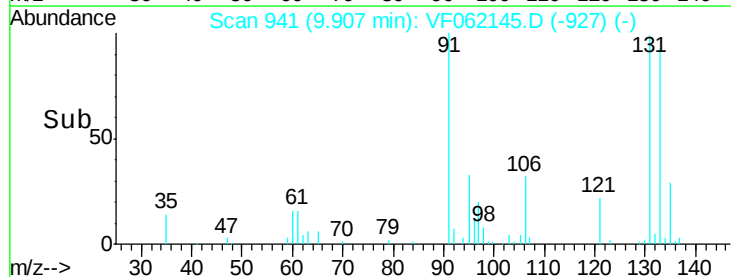
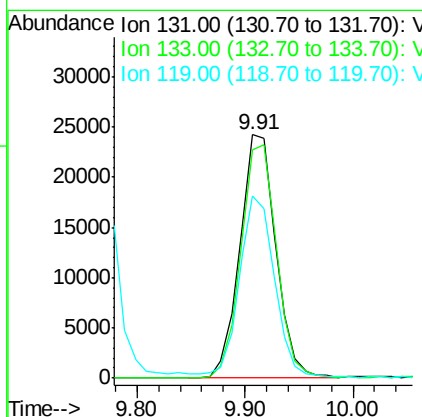
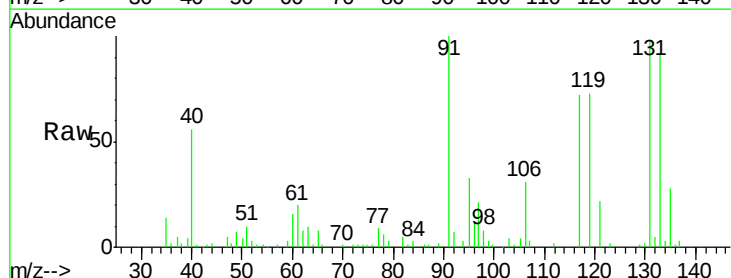
Instrument :
MSVOA_F
ClientSampleId :

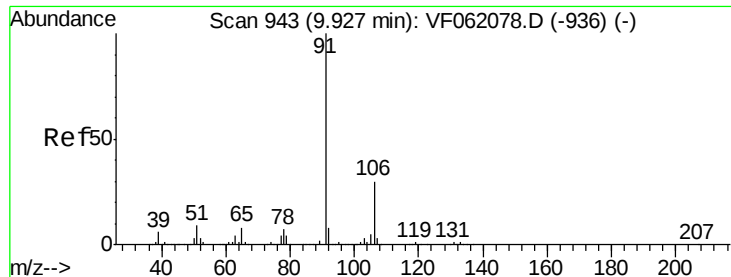
Tot Ion:112 Resp: 141579
Ion Ratio Lower Upper
112 100
114 34.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.838 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.06 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion:131 Resp: 56382
Ion Ratio Lower Upper
131 100
133 93.9 49.3 147.8
119 74.6 33.5 100.4





#67

Ethyl Benzene

Concen: 22.960 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.05 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

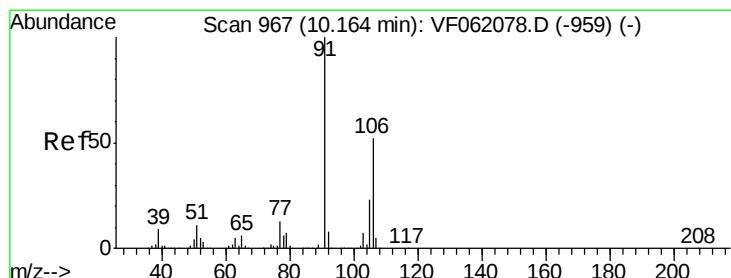
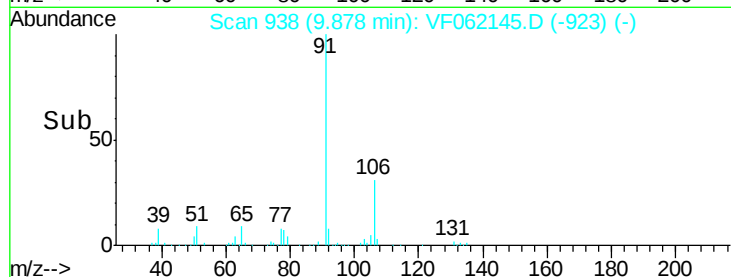
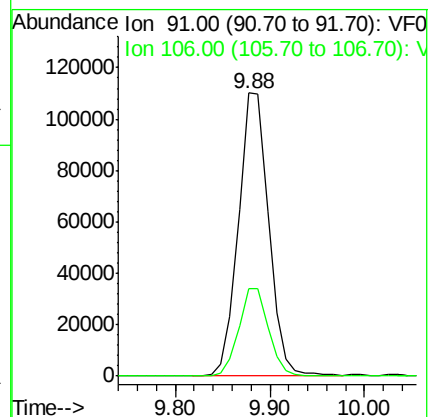
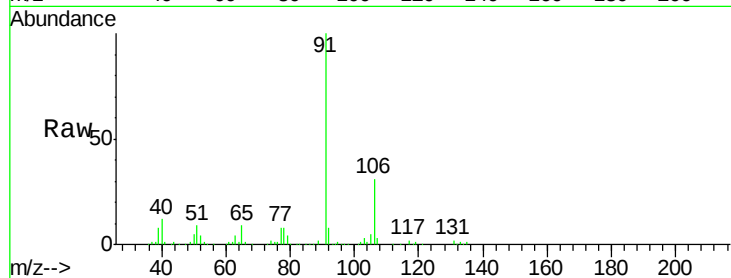
ClientSampled :

Tot Ion: 91 Resp: 245406

Ion Ratio Lower Upper

91 100

106 31.1 24.0 36.0



#68

m/p-Xylenes

Concen: 48.359 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.05 min

Lab File: VF062145.D

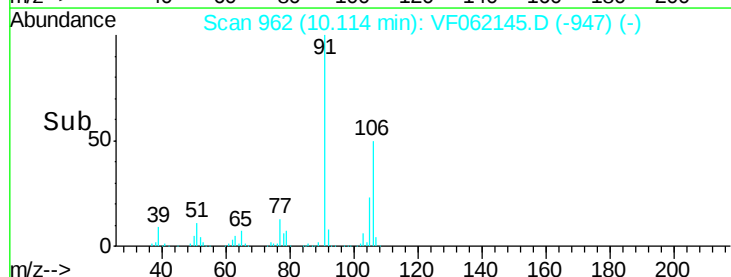
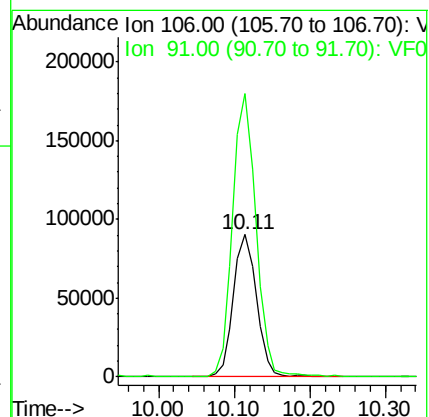
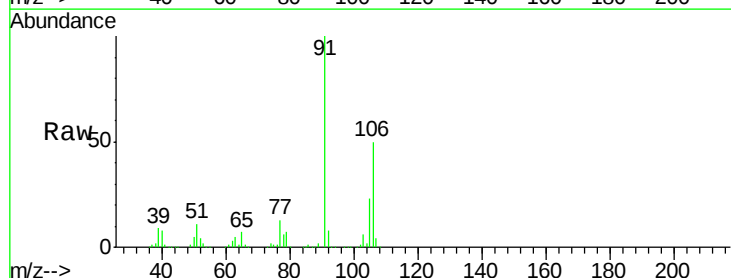
Acq: 26 Mar 2019 14:51

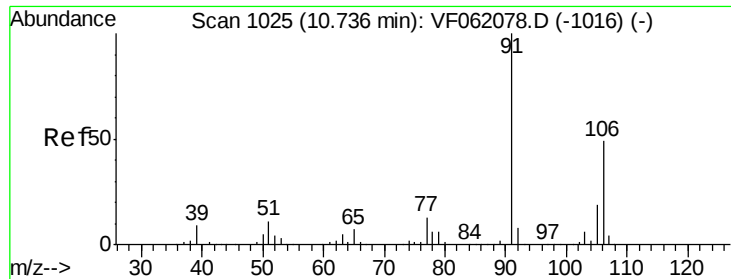
Tgt Ion: 106 Resp: 193190

Ion Ratio Lower Upper

106 100

91 199.3 154.4 231.6

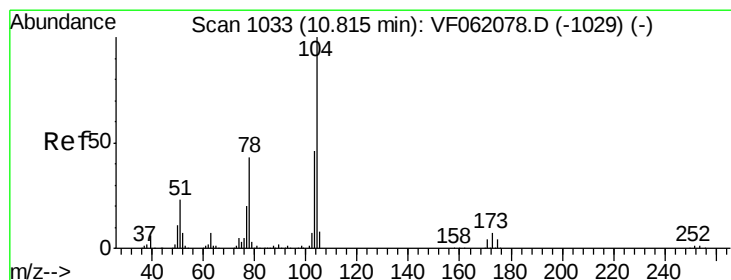
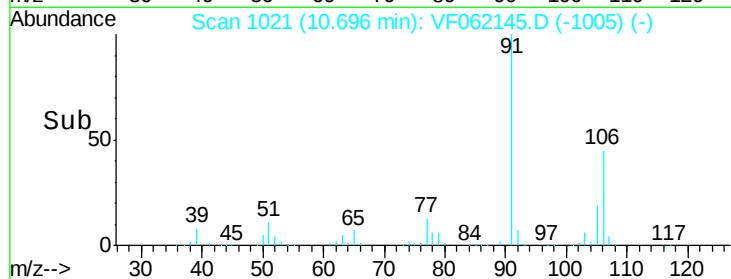
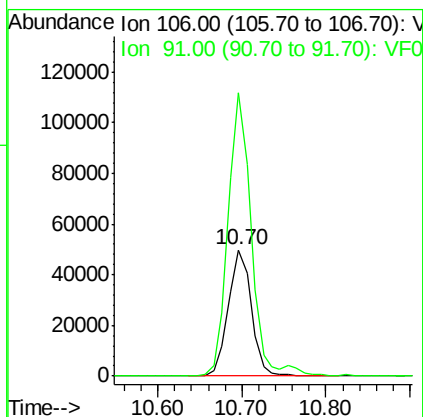
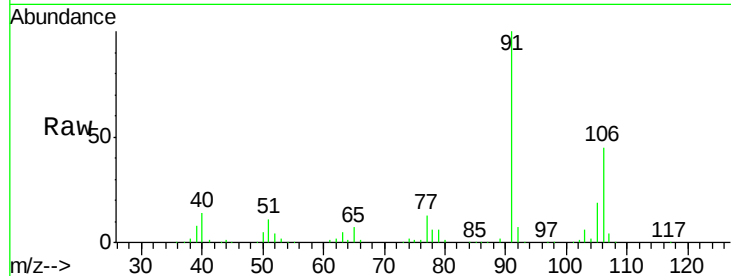




#69
o-Xylene
Concen: 22.913 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.04 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

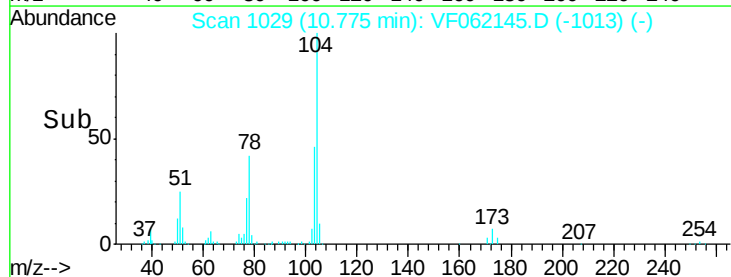
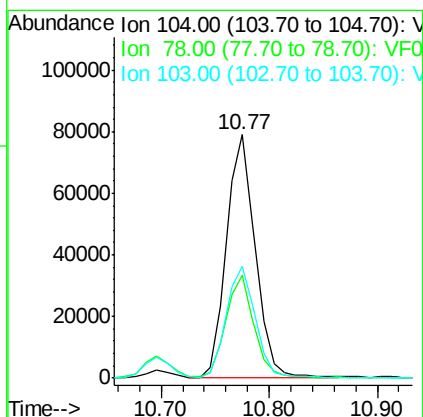
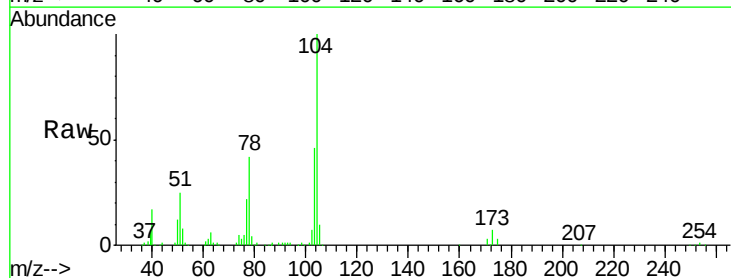
Instrument :
MSVOA_F
ClientSampleId :

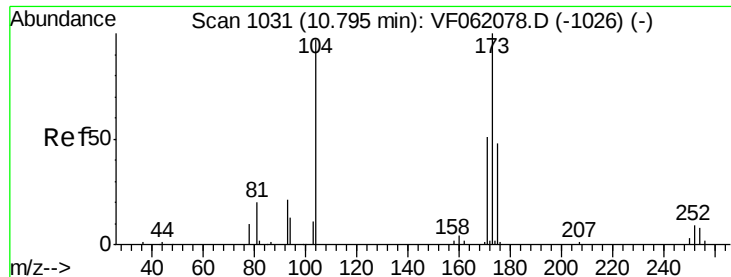
Tot Ion:106 Resp: 95867
Ion Ratio Lower Upper
106 100
91 223.7 102.6 307.8



#70
Styrene
Concen: 22.928 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion:104 Resp: 145349
Ion Ratio Lower Upper
104 100
78 42.2 34.3 51.5
103 46.0 36.9 55.3





#71

Bromoform

Concen: 21.922 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

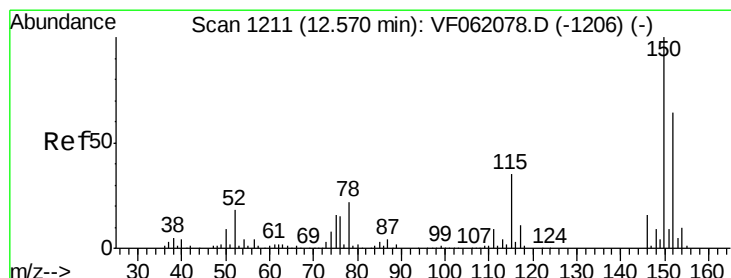
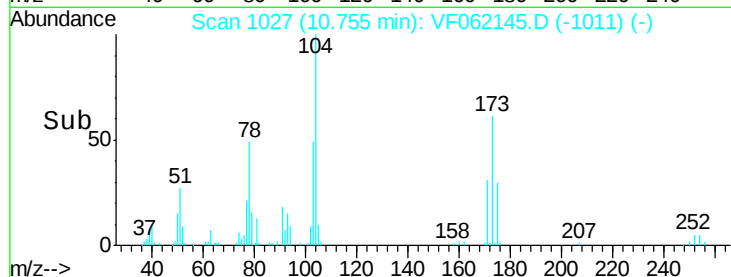
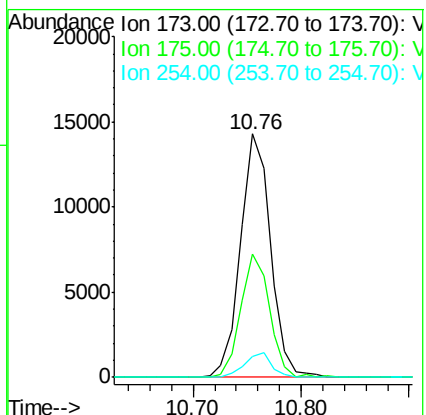
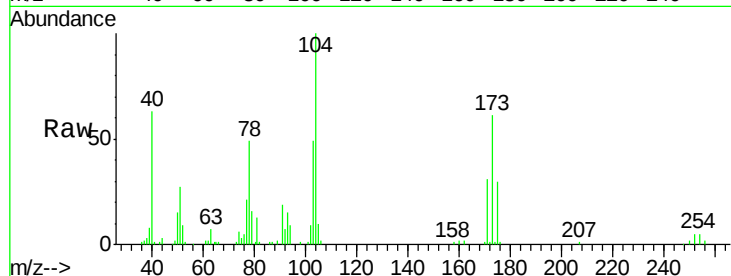
Tot Ion:173 Resp: 27682

Ion Ratio Lower Upper

173 100

175 50.4 24.1 72.4

254 8.8 6.2 9.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

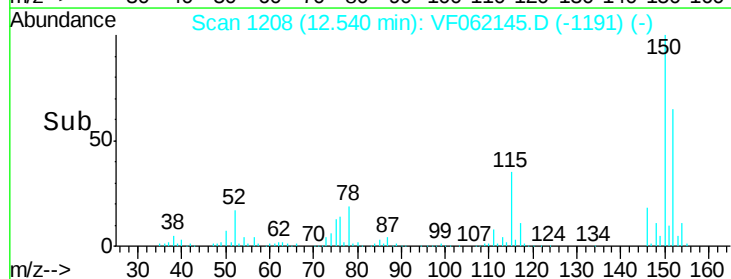
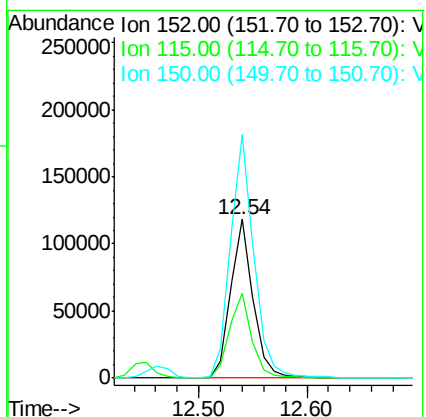
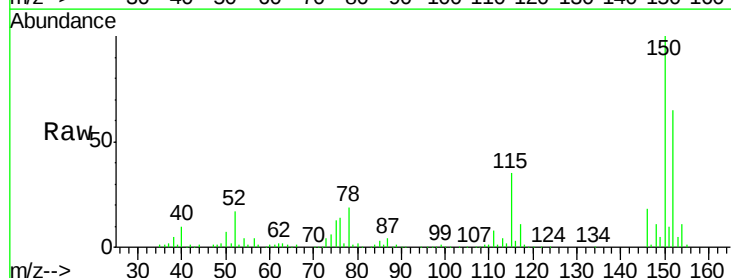
Tgt Ion:152 Resp: 172447

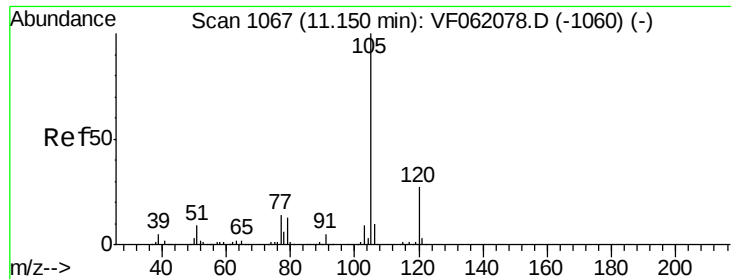
Ion Ratio Lower Upper

152 100

115 53.5 27.7 83.1

150 153.2 0.0 313.2





#73

Isopropylbenzene

Concen: 23.813 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

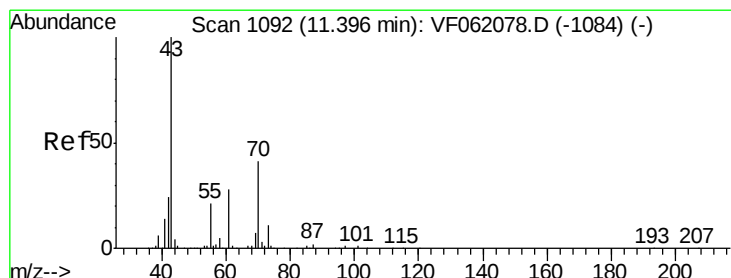
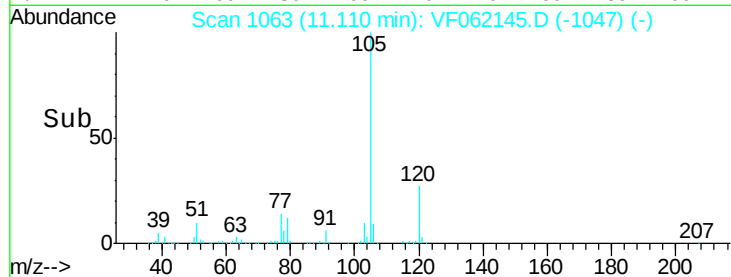
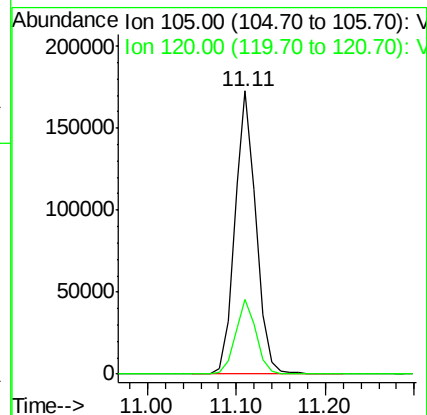
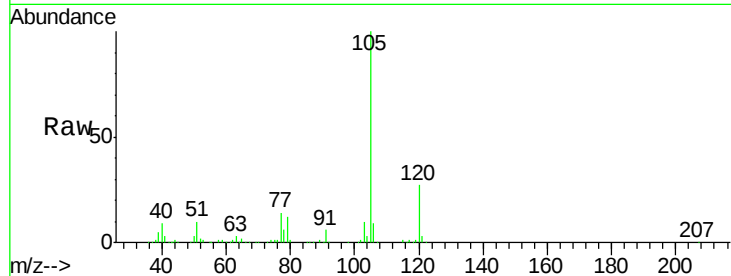
ClientSampleId :

Tot Ion:105 Resp: 288957

Ion Ratio Lower Upper

105 100

120 26.6 13.8 41.3



#74

N-ethyl acetate

Concen: 22.891 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Tgt Ion: 43 Resp: 66186

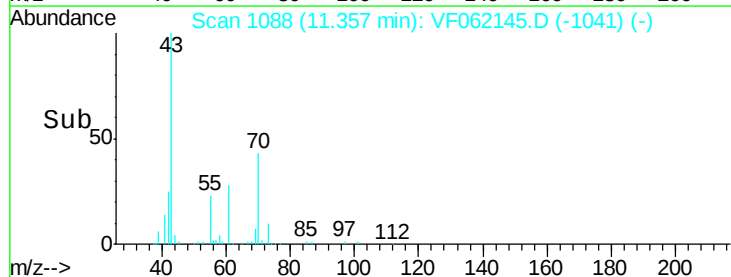
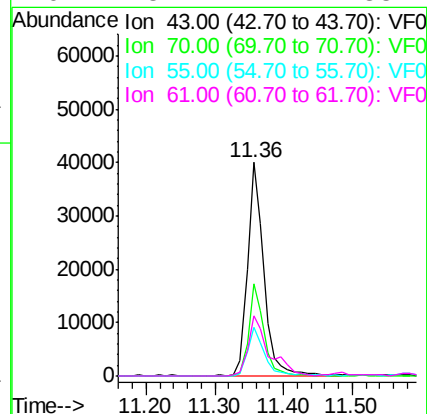
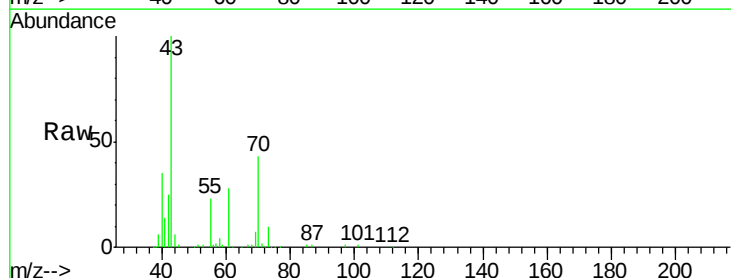
Ion Ratio Lower Upper

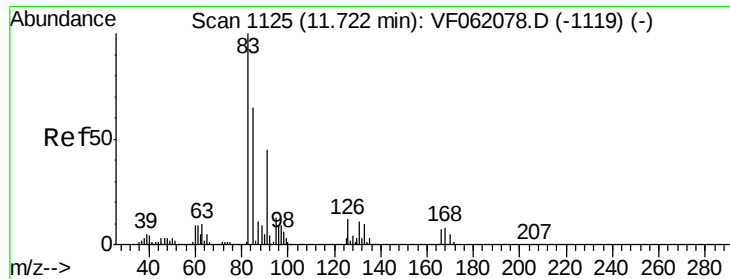
43 100

70 42.9 32.9 49.3

55 23.0 17.1 25.7

61 28.1 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.096 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

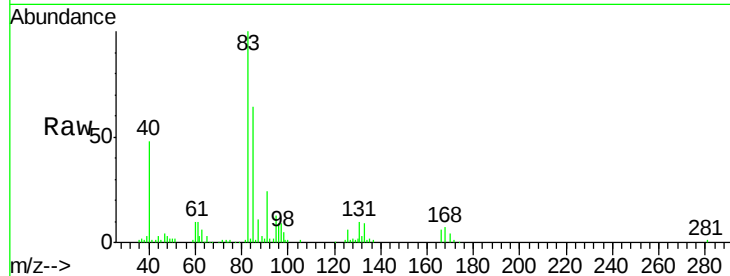
Tot Ion: 83 Resp: 43954

Ion Ratio Lower Upper

83 100

131 9.8 5.3 15.8

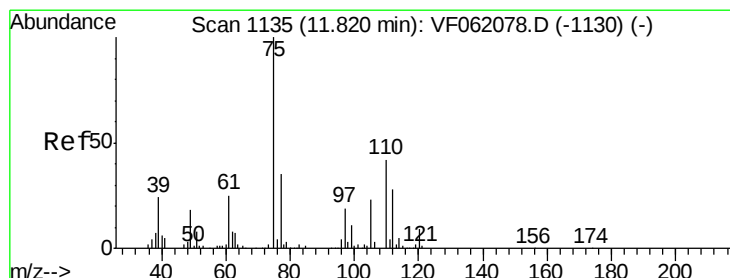
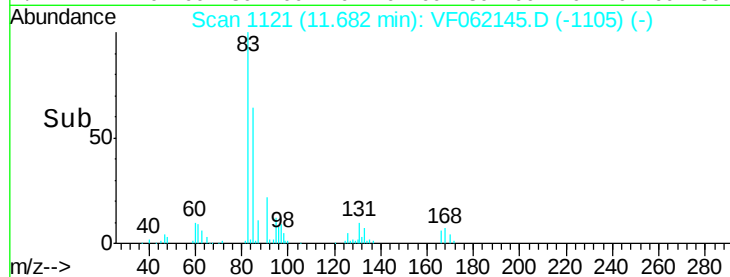
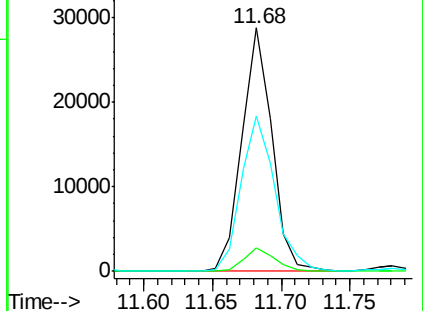
85 64.0 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 12.064 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. 0.04 min

Lab File: VF062145.D

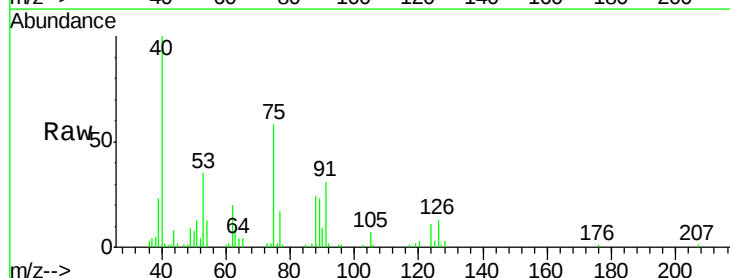
Acq: 26 Mar 2019 14:51

Tgt Ion: 75 Resp: 17689

Ion Ratio Lower Upper

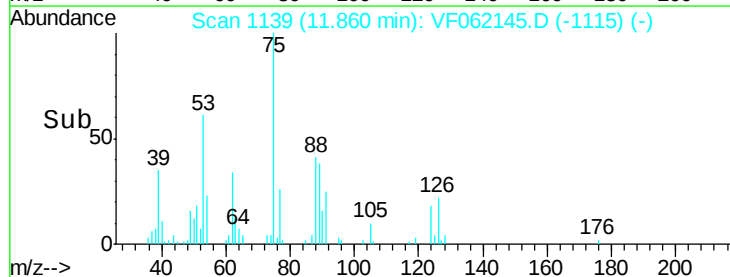
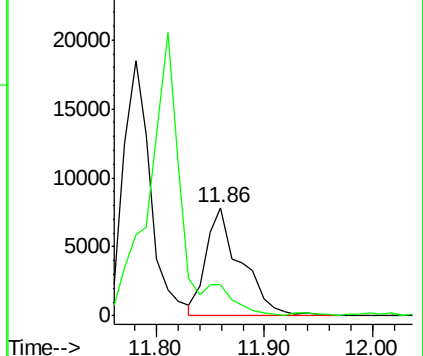
75 100

77 28.6 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.508 ug/l

RT: 11.48 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

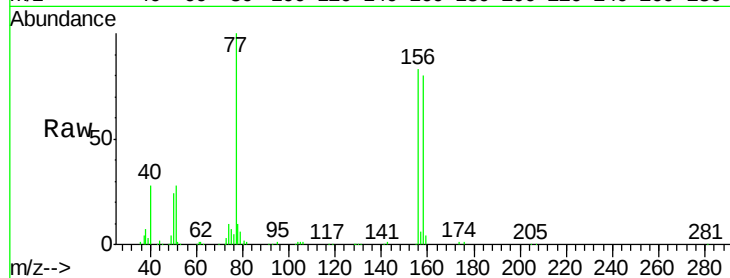
Tot Ion:156 Resp: 66727

Ion Ratio Lower Upper

156 100

77 120.1 61.3 183.9

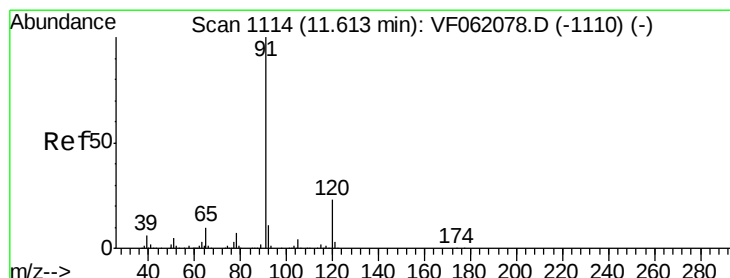
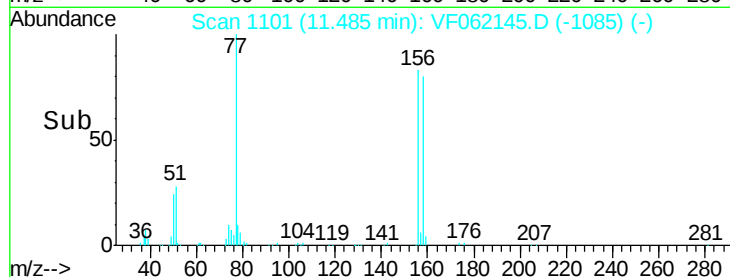
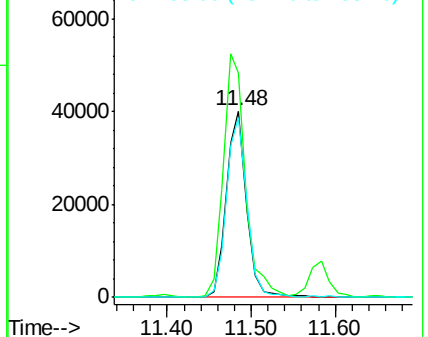
158 96.4 48.6 145.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 24.020 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF062145.D

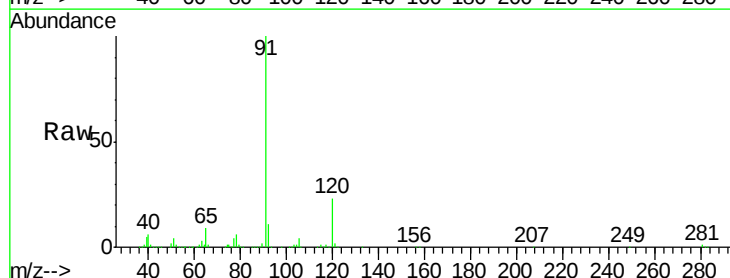
Acq: 26 Mar 2019 14:51

Tgt Ion: 91 Resp: 338455

Ion Ratio Lower Upper

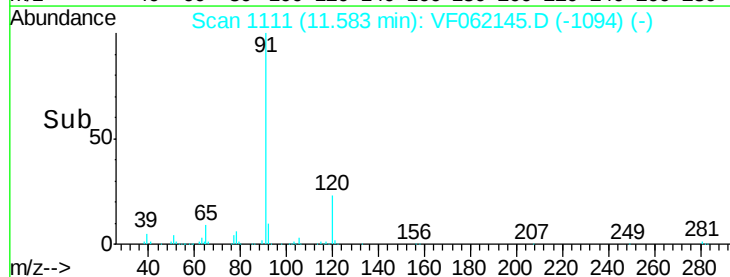
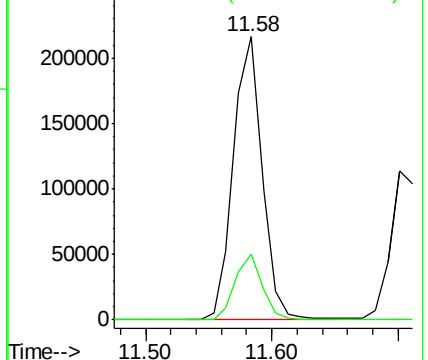
91 100

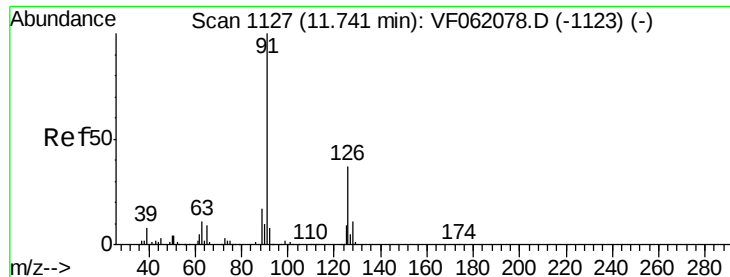
120 23.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.668 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

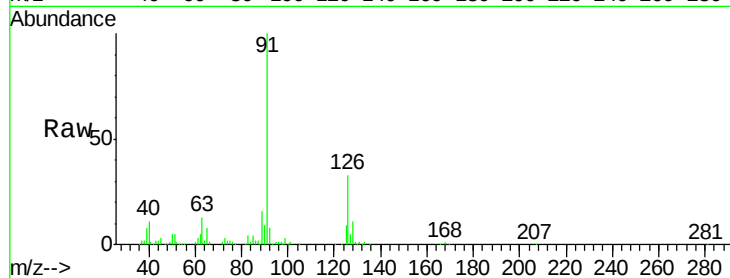
ClientSampleId :

Tot Ion: 91 Resp: 185359

Ion Ratio Lower Upper

91 100

126 33.3 18.3 54.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.70

120000

100000

80000

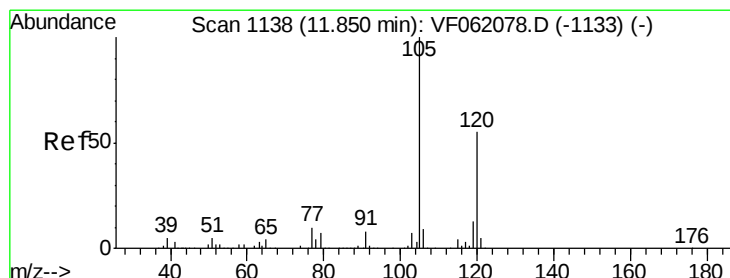
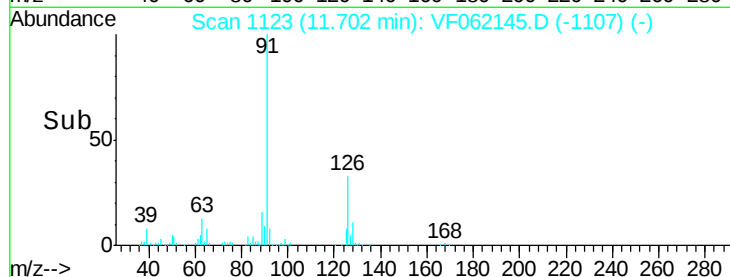
60000

40000

20000

0

Time--> 11.60 11.70 11.80



#80

1,3,5-Trimethylbenzene

Concen: 23.147 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF062145.D

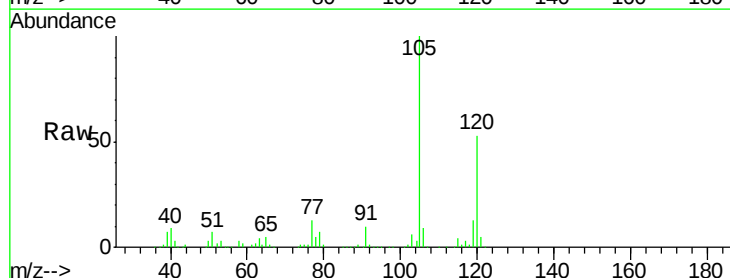
Acq: 26 Mar 2019 14:51

Tgt Ion:105 Resp: 231030

Ion Ratio Lower Upper

105 100

120 53.5 27.8 83.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81

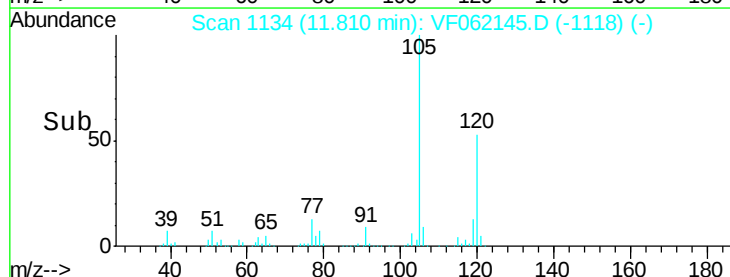
150000

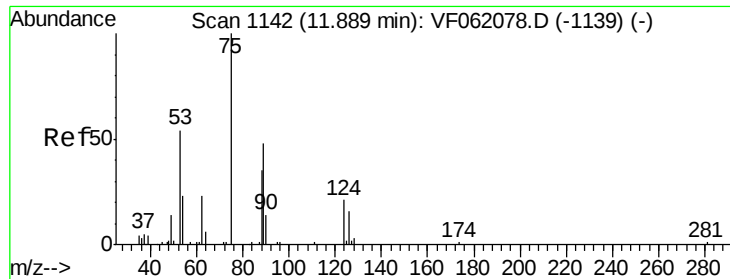
100000

50000

0

Time--> 11.70 11.80 11.90

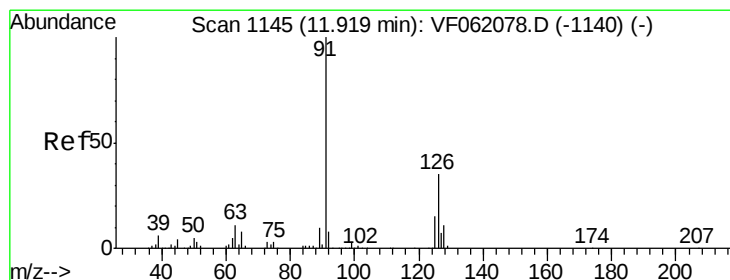
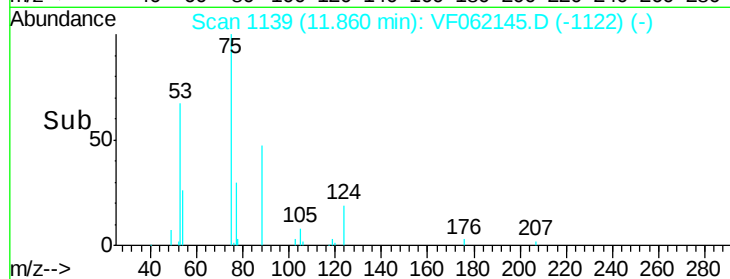
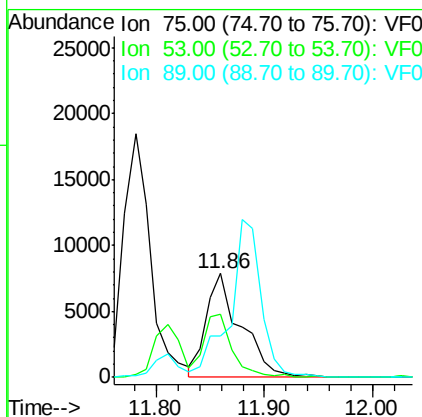
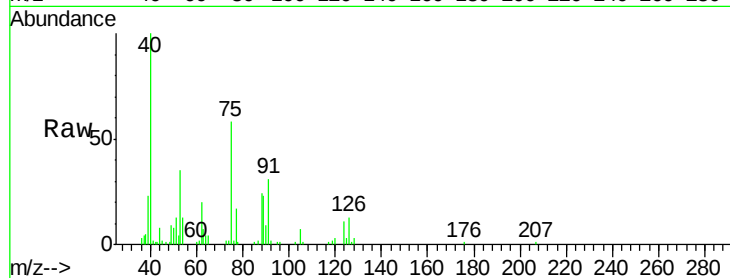




#81
trans-1,4-Dichloro-2-butene
Concen: 29.606 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

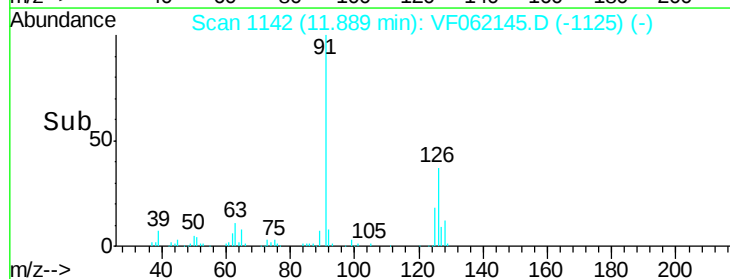
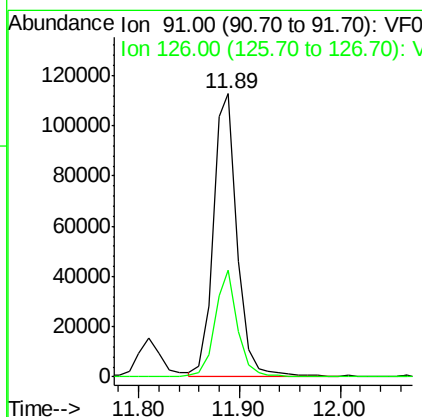
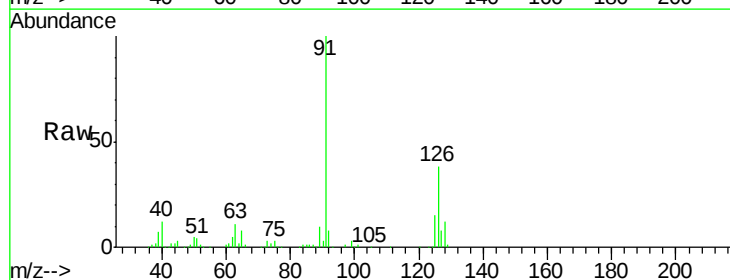
Instrument :
MSVOA_F
ClientSampleId :

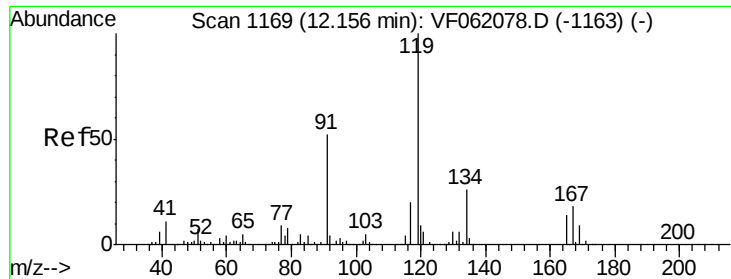
Tot Ion: 75 Resp: 17689
Ion Ratio Lower Upper
75 100
53 60.7 49.4 74.0
89 39.5 40.6 60.8#



#82
4-Chlorotoluene
Concen: 22.902 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion: 91 Resp: 183906
Ion Ratio Lower Upper
91 100
126 37.8 17.2 51.6

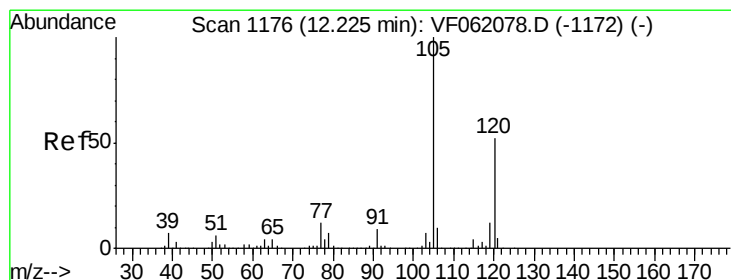
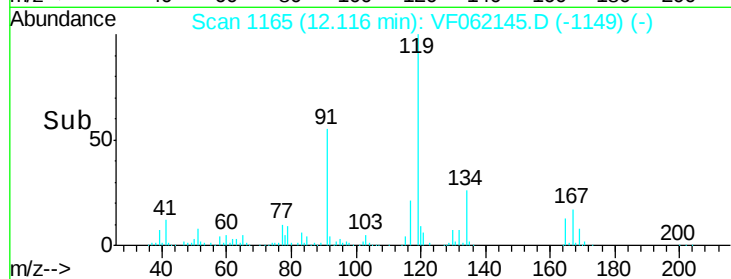
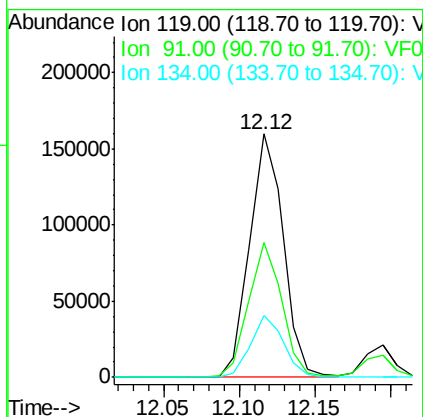
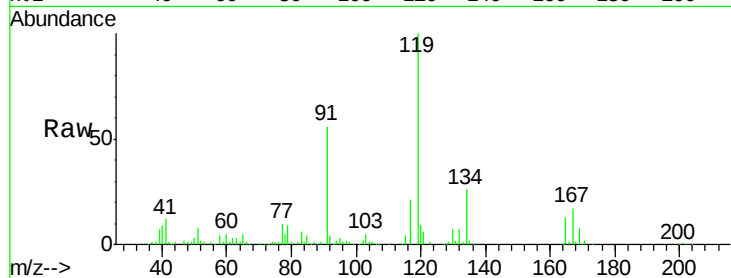




#83
 tert-Butylbenzene
 Concen: 23.876 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

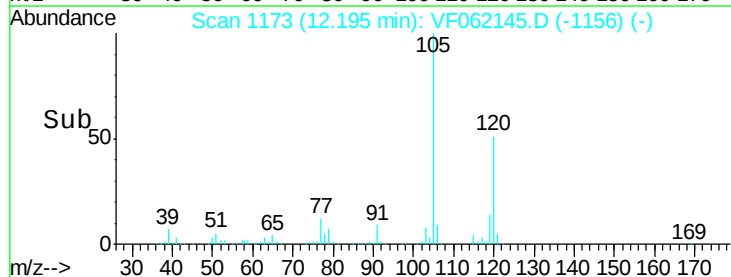
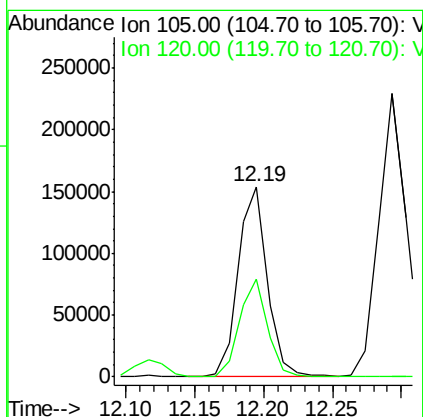
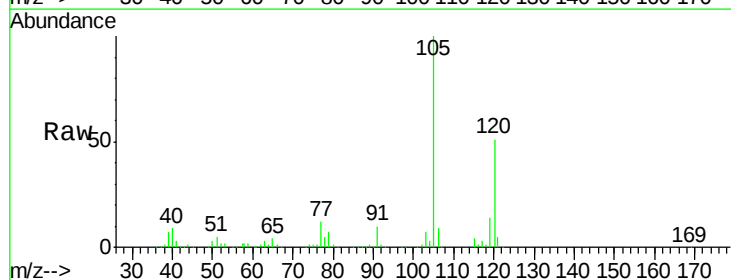
Instrument :
 MSVOA_F
 ClientSampleId :

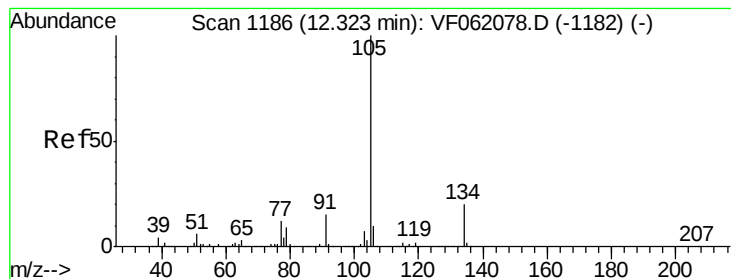
Tot Ion:119 Resp: 249466
 Ion Ratio Lower Upper
 119 100
 91 55.6 26.1 78.2
 134 25.6 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 23.290 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion:105 Resp: 227888
 Ion Ratio Lower Upper
 105 100
 120 51.2 26.1 78.2





#85

sec-Butylbenzene

Concen: 23.922 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

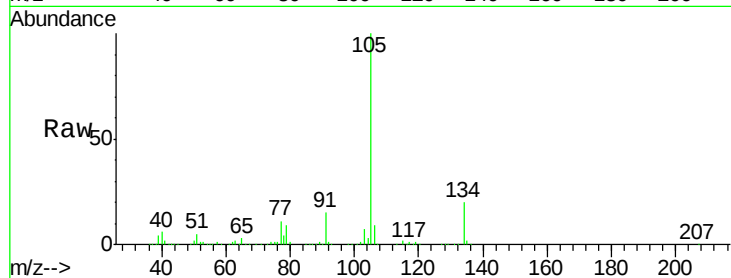
ClientSampleId :

Tot Ion:105 Resp: 323349

Ion Ratio Lower Upper

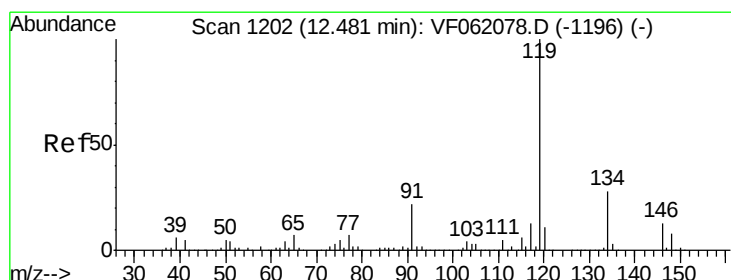
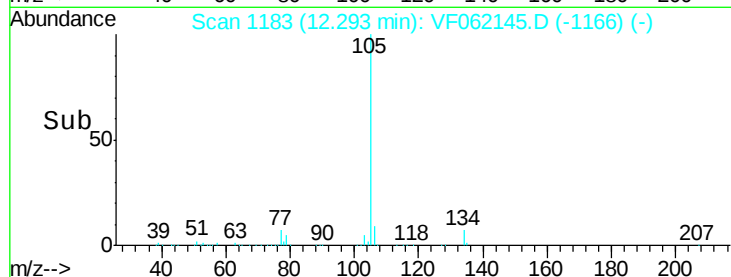
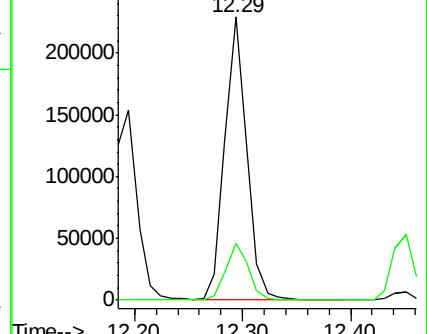
105 100

134 20.2 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.054 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

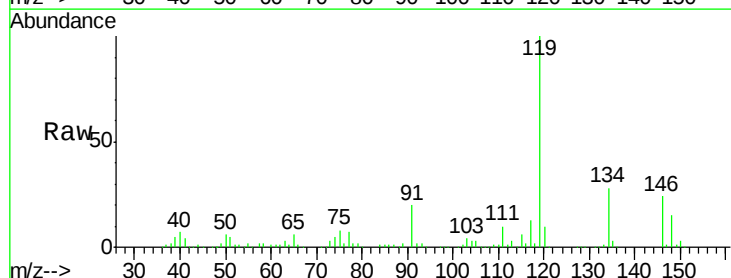
Tgt Ion:119 Resp: 281686

Ion Ratio Lower Upper

119 100

134 27.7 14.0 42.0

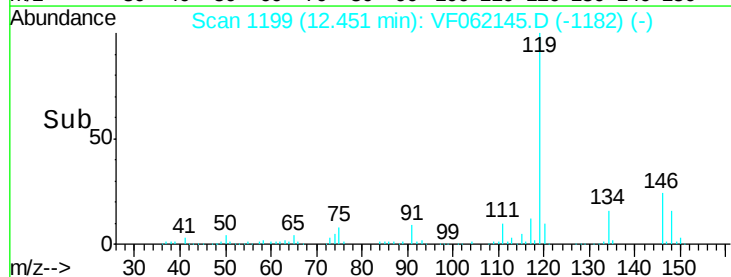
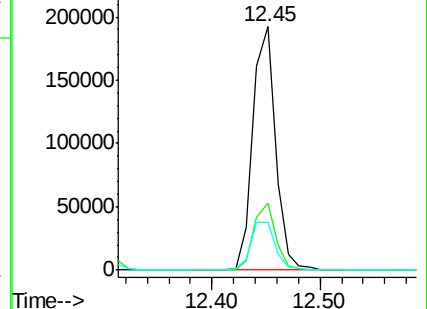
91 19.6 10.8 32.4

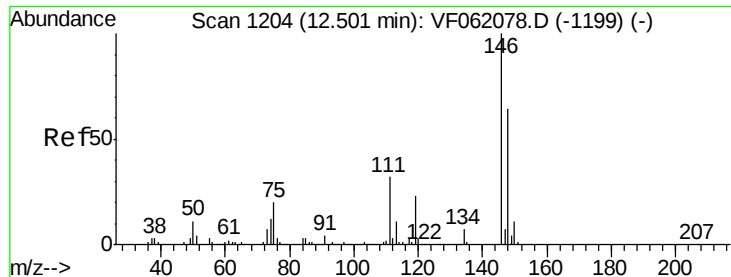


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 24.057 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

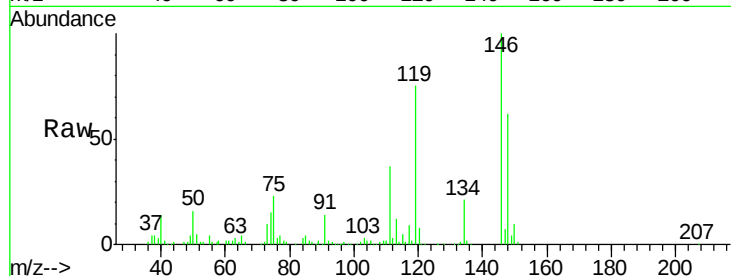
Tot Ion:146 Resp: 132505

Ion Ratio Lower Upper

146 100

111 37.0 16.1 48.3

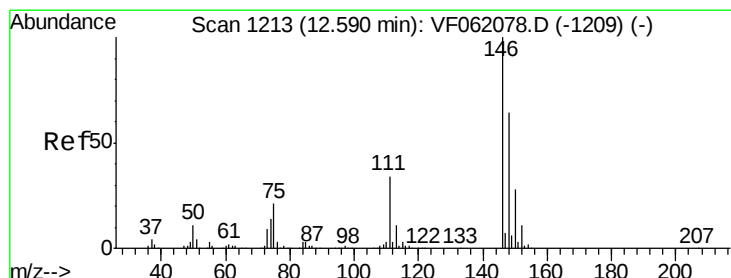
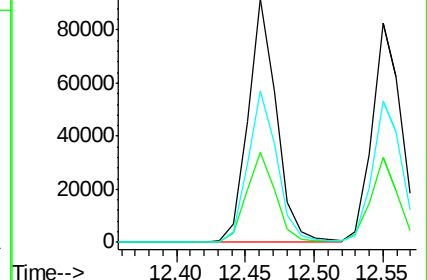
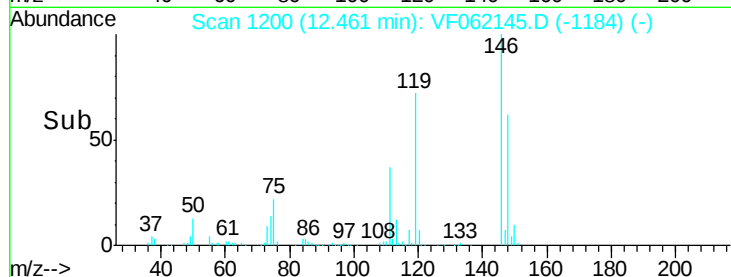
148 62.3 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 23.178 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.04 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

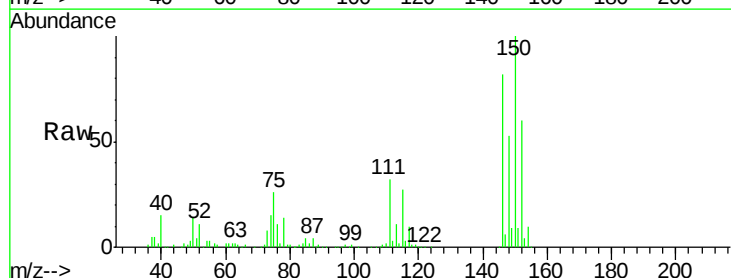
Tgt Ion:146 Resp: 124571

Ion Ratio Lower Upper

146 100

111 38.7 16.9 50.6

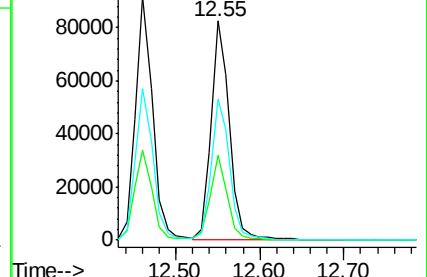
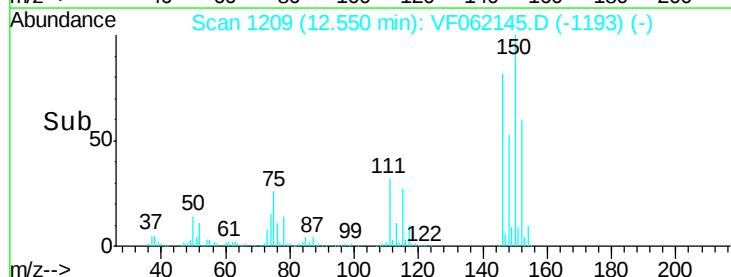
148 64.3 31.9 95.7

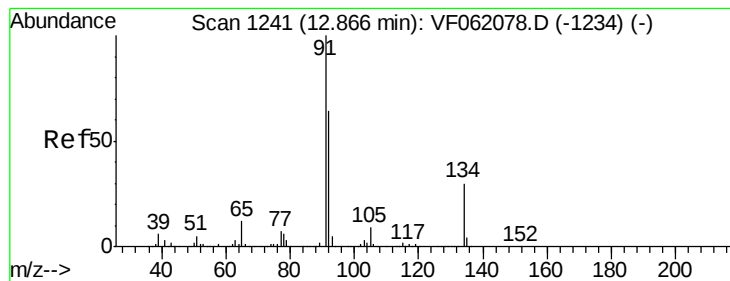


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 24.292 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.03 min

Lab File: VF062145.D

Acq: 26 Mar 2019 14:51

Instrument :

MSVOA_F

ClientSampleId :

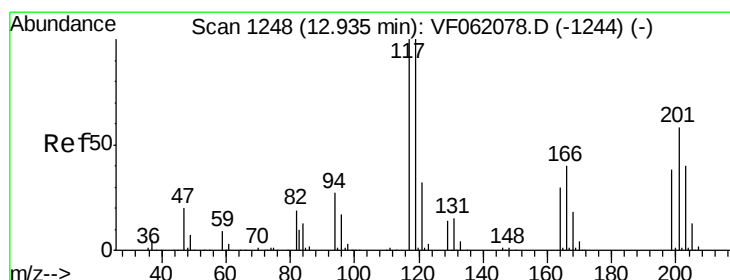
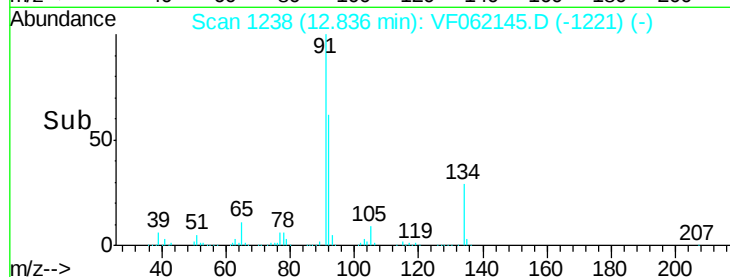
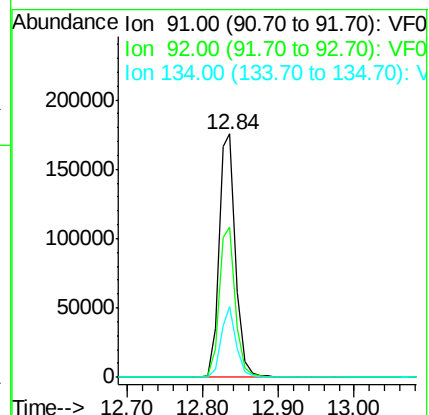
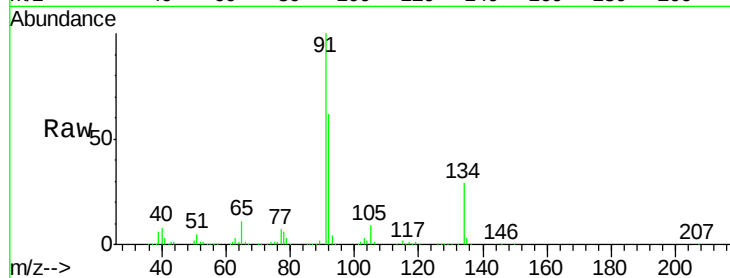
Tot Ion: 91 Resp: 271403

Ion Ratio Lower Upper

91 100

92 61.9 31.9 95.5

134 29.0 14.9 44.9



#90

Hexachloroethane

Concen: 23.576 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.03 min

Lab File: VF062145.D

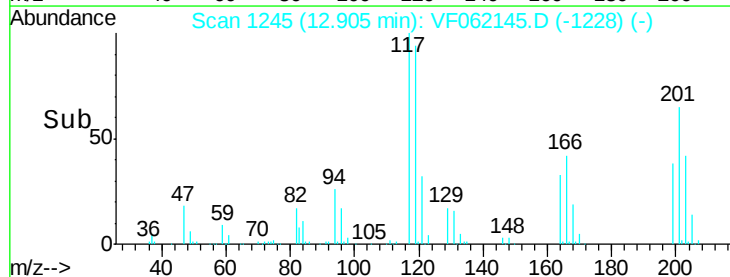
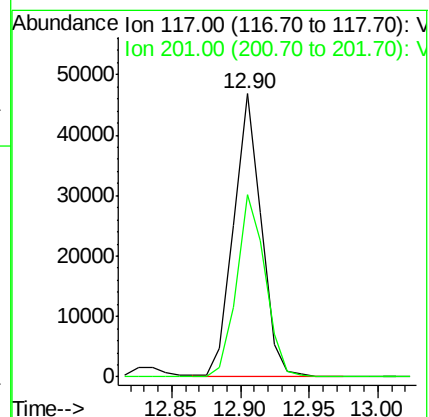
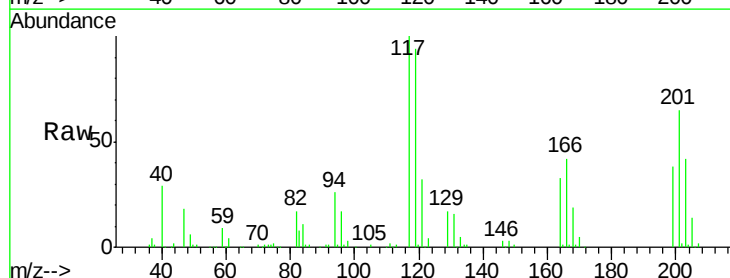
Acq: 26 Mar 2019 14:51

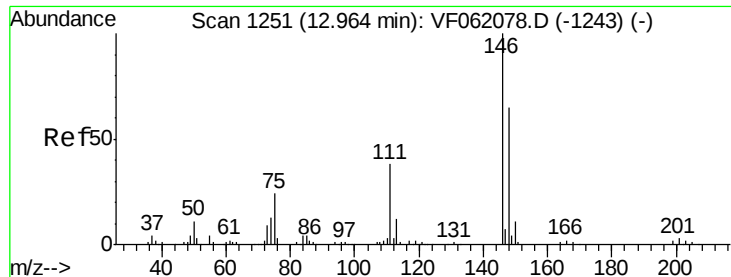
Tgt Ion: 117 Resp: 65741

Ion Ratio Lower Upper

117 100

201 64.5 28.7 86.1

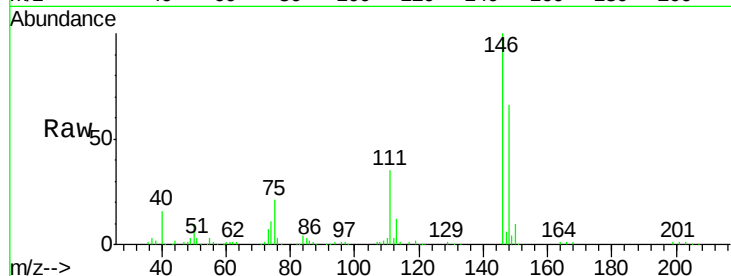




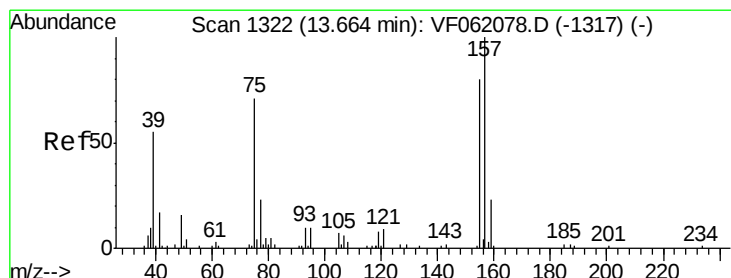
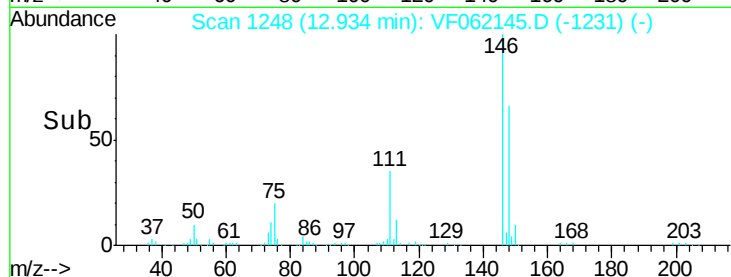
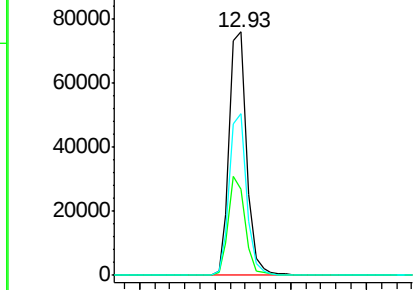
#91
 1,2-Dichlorobenzene
 Concen: 23.497 ug/l
 RT: 12.93 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:146 Resp: 121523
 Ion Ratio Lower Upper
 146 100
 111 35.4 19.1 57.3
 148 66.3 32.8 98.3

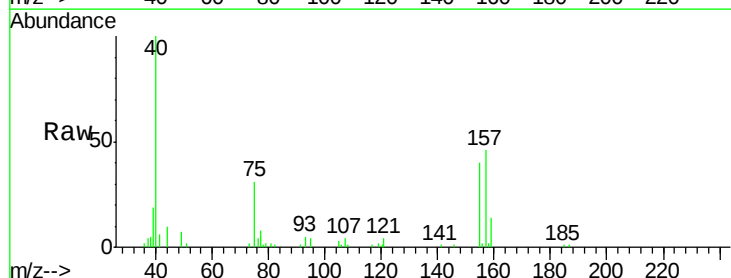


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

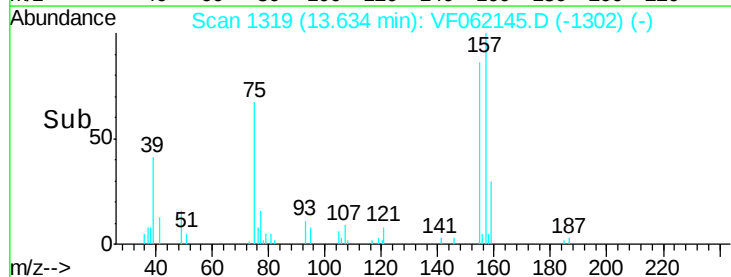
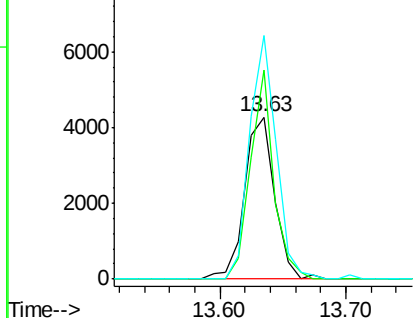


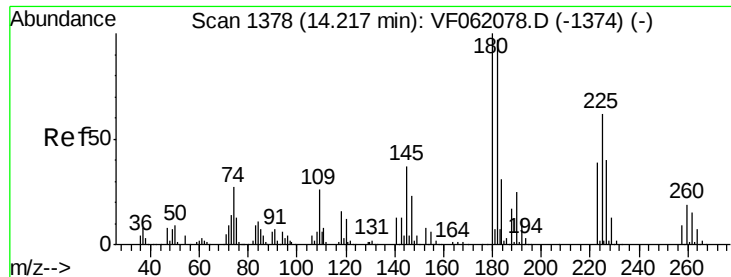
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.386 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion: 75 Resp: 7067
 Ion Ratio Lower Upper
 75 100
 155 129.0 56.1 168.4
 157 150.4 70.4 211.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

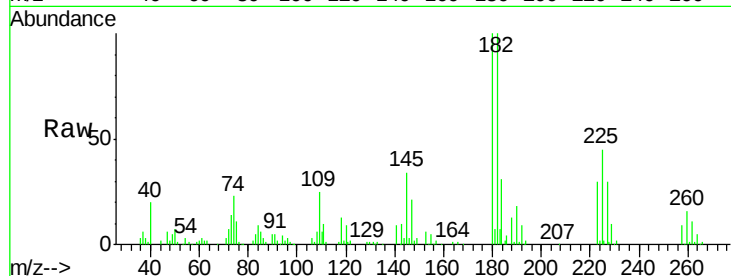




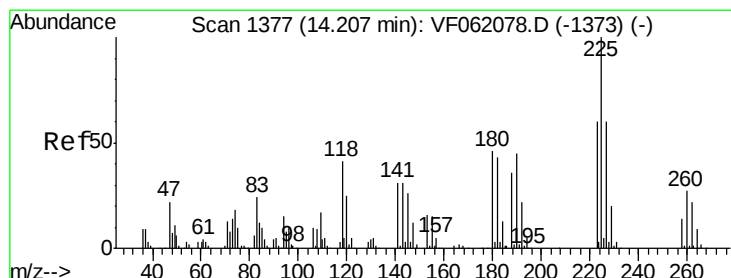
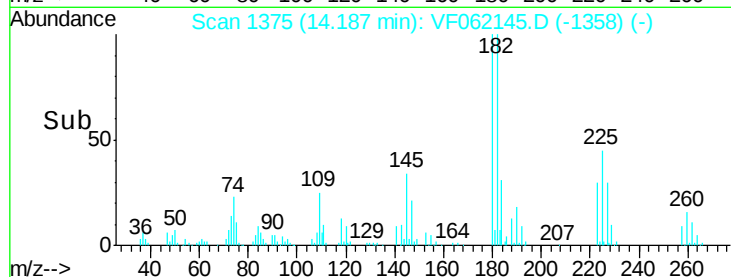
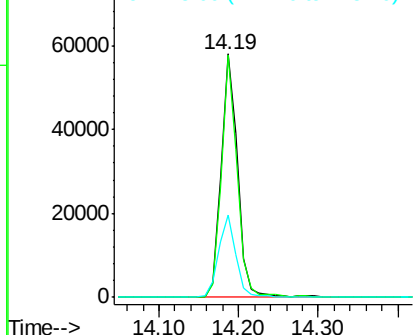
#93
 1,2,4-Trichlorobenzene
 Concen: 23.598 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 85062
 Ion Ratio Lower Upper
 180 100
 182 99.6 48.7 146.1
 145 33.8 18.3 54.8

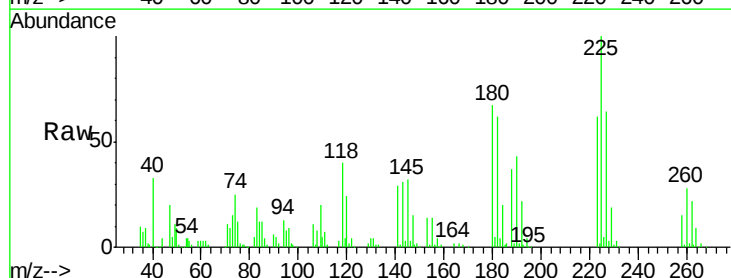


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

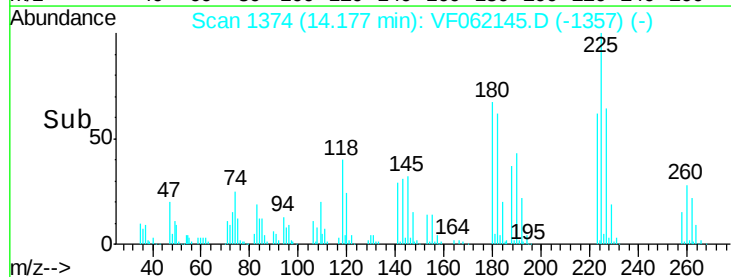
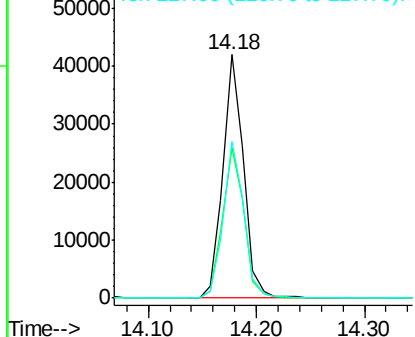


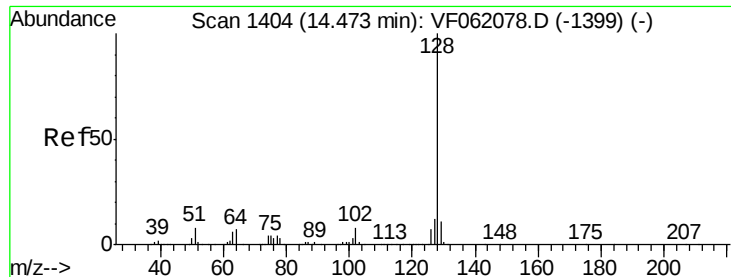
#94
 Hexachlorobutadiene
 Concen: 23.330 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF062145.D
 Acq: 26 Mar 2019 14:51

Tgt Ion:225 Resp: 55915
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.0 90.0
 227 64.1 30.2 90.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

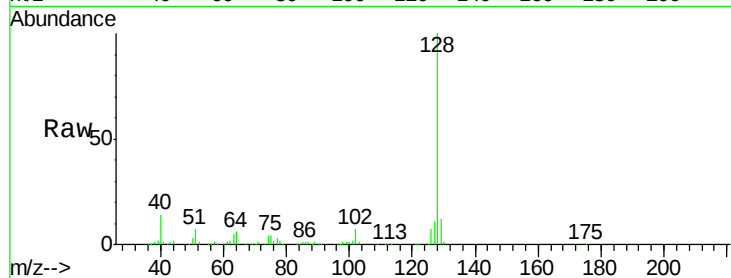




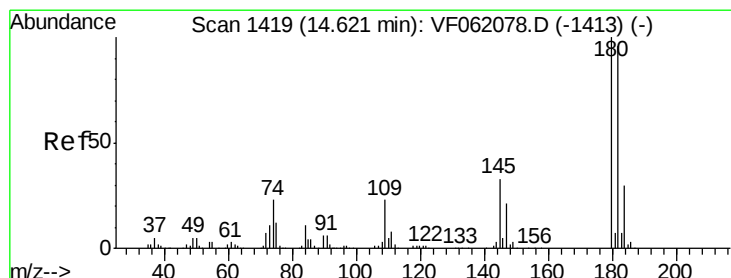
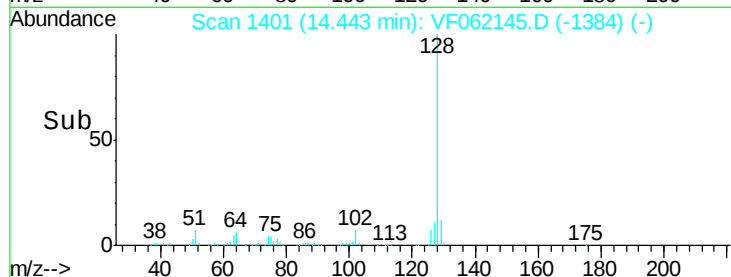
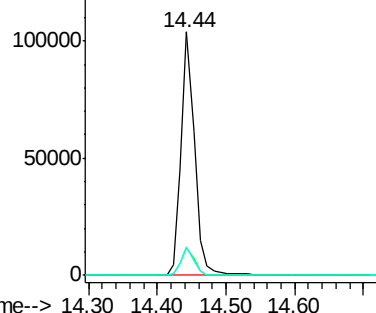
#95
Naphthalene
Concen: 22.619 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:128 Resp: 142875
Ion Ratio Lower Upper
128 100
127 11.4 9.5 14.3
129 11.7 8.7 13.1

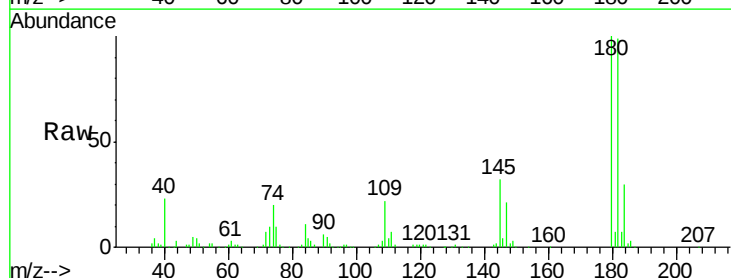


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.666 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF062145.D
Acq: 26 Mar 2019 14:51

Tgt Ion:180 Resp: 76477
Ion Ratio Lower Upper
180 100
182 98.8 47.9 143.7
145 31.7 16.6 49.7



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

