

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042319\
 Data File : VF062259.D
 Acq On : 23 Apr 2019 13:01
 Operator : FY/SY
 Sample : VF0423SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 24 04:34:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	384863	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	537477	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	441835	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	271384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	204587	57.97	ug/l	0.03
Spiked Amount	50.000		Recovery	=	115.94%	
35) Dibromofluoromethane	4.31	113	262201	55.77	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.54%	
50) Toluene-d8	7.71	98	655601	55.09	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.18%	
62) 4-Bromofluorobenzene	11.50	95	277286	60.56	ug/l	0.02
Spiked Amount	50.000		Recovery	=	121.12%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.00	85	124362	21.263	ug/l	94
3) Chloromethane	1.15	50	106628	17.638	ug/l	98
4) Vinyl Chloride	1.19	62	94892	18.271	ug/l	97
5) Bromomethane	1.39	94	58414	19.361	ug/l	97
6) Chloroethane	1.44	64	40293	18.558	ug/l	96
7) Trichlorofluoromethane	1.55	101	145988	22.126	ug/l	92
8) Diethyl Ether	1.71	74	27022	19.678	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	92838	20.596	ug/l	96
10) Methyl Iodide	1.98	142	170009	21.231	ug/l #	87
11) Tert butyl alcohol	2.71	59	24403	99.480	ug/l #	87
12) 1,1-Dichloroethene	1.87	96	81892	19.101	ug/l	90
13) Acrolein	2.11	56	10858	74.674	ug/l #	64
14) Allyl chloride	2.20	41	142449	28.952	ug/l #	94
15) Acrylonitrile	3.09	53	66235	88.651	ug/l	97
16) Acetone	2.35	43	92775	109.985	ug/l	91
17) Carbon Disulfide	1.92	76	223187	18.735	ug/l	94
18) Methyl Acetate	2.46	43	39859	18.227	ug/l	93
19) Methyl tert-butyl Ether	2.55	73	163688	21.625	ug/l	97
20) Methylene Chloride	2.33	84	99833	20.390	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	84271	19.877	ug/l	92
22) Diisopropyl ether	2.94	45	246224	19.564	ug/l	97
23) Vinyl Acetate	3.35	43	578009	96.392	ug/l	100
24) 1,1-Dichloroethane	3.02	63	142865	20.751	ug/l	97
25) 2-Butanone	4.53	43	150268	89.092	ug/l	98
26) 2,2-Dichloropropane	3.78	77	77570	22.316	ug/l	95
27) cis-1,2-Dichloroethene	3.65	96	108354	19.735	ug/l	99
28) Bromochloromethane	3.91	49	64102	19.436	ug/l #	88
29) Tetrahydrofuran	4.27	42	65621	85.954	ug/l	92
30) Chloroform	4.06	83	170517	20.153	ug/l	100
31) Cyclohexane	3.89	56	144378	17.499	ug/l	96
32) 1,1,1-Trichloroethane	4.30	97	144716	23.366	ug/l #	88
36) 1,1-Dichloropropene	4.48	75	128586	19.954	ug/l	99
37) Ethyl Acetate	4.31	43	57422	18.884	ug/l #	97
38) Carbon Tetrachloride	4.20	117	159858	28.026	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042319\
 Data File : VF062259.D
 Acq On : 23 Apr 2019 13:01
 Operator : FY/SY
 Sample : VF0423SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 24 04:34:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	156356	20.265	ug/l	98
40) Benzene	4.83	78	328298	19.423	ug/l	100
41) Methacrylonitrile	4.94	41	33732	19.231	ug/l	91
42) 1,2-Dichloroethane	5.14	62	94496	21.148	ug/l	100
43) Isopropyl Acetate	7.12	43	60318	18.860	ug/l #	99
44) Trichloroethene	5.69	130	108805	23.822	ug/l	95
45) 1,2-Dichloropropane	6.41	63	76449	20.533	ug/l	96
46) Dibromomethane	6.27	93	55653	22.467	ug/l	95
47) Bromodichloromethane	6.56	83	127164	22.749	ug/l	95
48) Methyl methacrylate	6.89	41	40447	19.244	ug/l	94
49) 1,4-Dioxane	6.88	88	10343	429.090	ug/l	93
51) 4-Methyl-2-Pentanone	8.41	43	246686	103.703	ug/l	98
52) Toluene	7.78	92	189839	21.307	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	97803	23.295	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	125094	22.027	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	56182	22.509	ug/l	93
56) Ethyl methacrylate	8.76	69	62050	21.866	ug/l	96
57) 1,3-Dichloropropane	9.01	76	85538	21.223	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	83599	101.467	ug/l	94
59) 2-Hexanone	9.63	43	160891	108.539	ug/l	98
60) Dibromochloromethane	8.87	129	89024	23.983	ug/l	99
61) 1,2-Dibromoethane	9.13	107	65042	23.130	ug/l	98
64) Tetrachloroethene	8.32	164	93086	23.339	ug/l	97
65) Chlorobenzene	9.94	112	206687	21.939	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	98601	22.349	ug/l	99
67) Ethyl Benzene	10.04	91	370969	21.654	ug/l	96
68) m/p-Xylenes	10.27	106	287138	45.531	ug/l	100
69) o-Xylene	10.82	106	156104	22.295	ug/l	99
70) Styrene	10.90	104	226335	22.906	ug/l	99
71) Bromoform	10.88	173	57071	24.500	ug/l #	99
73) Isopropylbenzene	11.22	105	469587	20.144	ug/l	99
74) N-amyl acetate	11.45	43	99135	16.449	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	75872	18.925	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	51433	18.647	ug/l #	1
77) Bromobenzene	11.59	156	111765	22.380	ug/l	90
78) n-propylbenzene	11.68	91	489474	19.904	ug/l	100
79) 2-Chlorotoluene	11.81	91	295917	19.837	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	399191	20.560	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	32855	23.356	ug/l #	89
82) 4-Chlorotoluene	11.97	91	292780	20.308	ug/l	99
83) tert-Butylbenzene	12.20	119	406204	20.231	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	379064	20.175	ug/l	98
85) sec-Butylbenzene	12.38	105	523679	20.089	ug/l	100
86) p-Isopropyltoluene	12.53	119	461641	20.877	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	203175	21.924	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	196161	21.945	ug/l	97
89) n-Butylbenzene	12.90	91	435398	20.924	ug/l	97
90) Hexachloroethane	12.98	117	112891	19.881	ug/l	90
91) 1,2-Dichlorobenzene	13.00	146	196334	21.941	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	14339	18.204	ug/l	88

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042319\
Data File : VF062259.D
Acq On : 23 Apr 2019 13:01
Operator : FY/SY
Sample : VF0423SBS01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Apr 24 04:34:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration

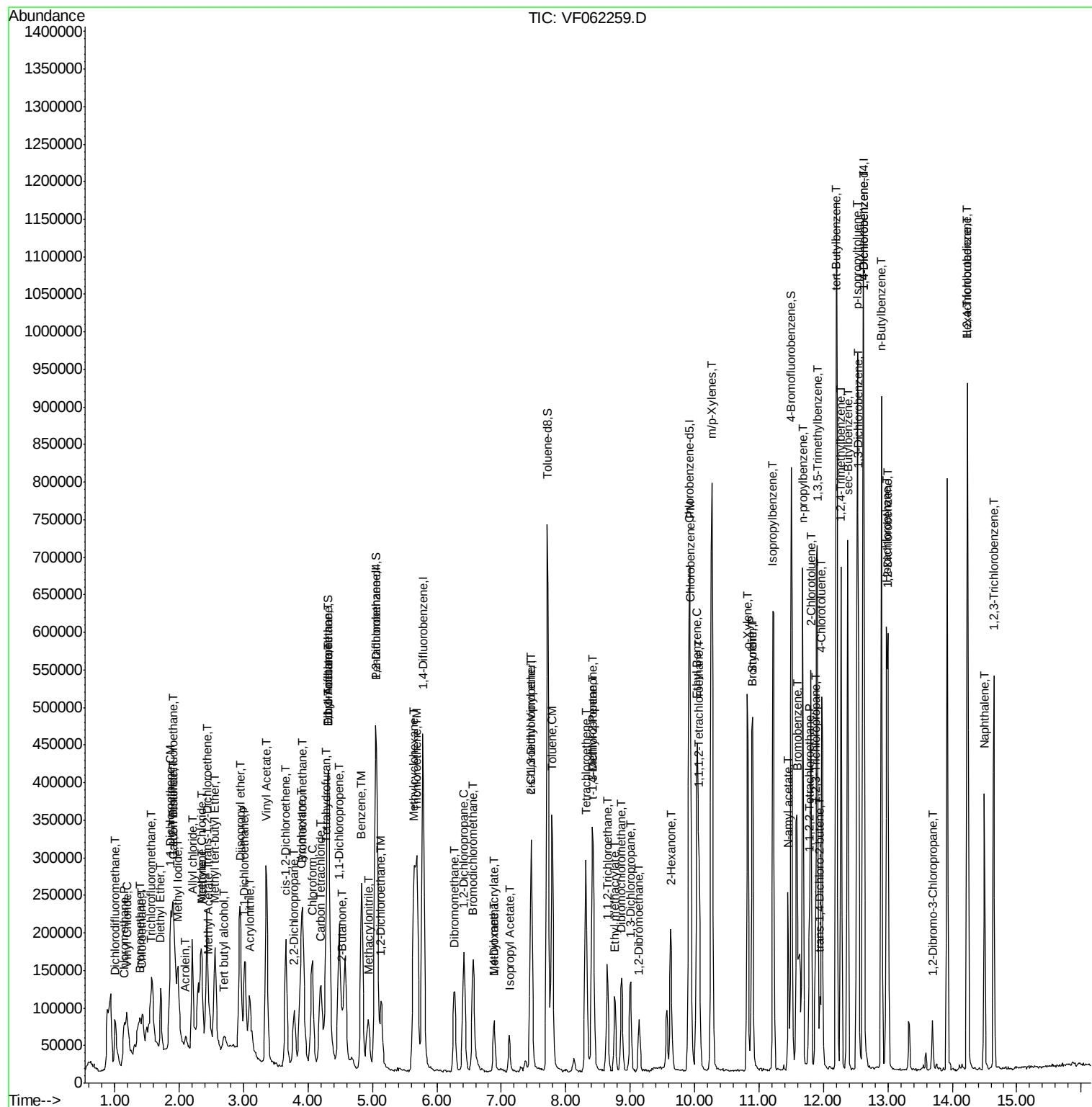
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	168451	22.499	ug/l	97
94) Hexachlorobutadiene	14.23	225	118593	23.101	ug/l	98
95) Naphthalene	14.50	128	253614	19.373	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	163190	22.704	ug/l	99

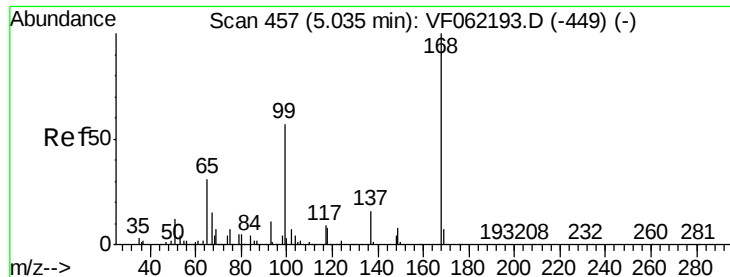
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042319\
 Data File : VF062259.D
 Acq On : 23 Apr 2019 13:01
 Operator : FY/SY
 Sample : VF0423SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 24 04:34:08 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

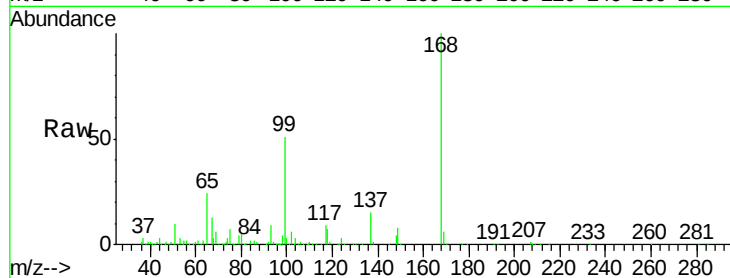
ClientSampleId :

Tot Ion:168 Resp: 384863

Ion Ratio Lower Upper

168 100

99 50.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

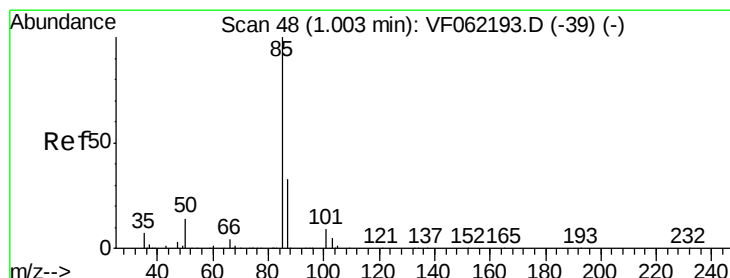
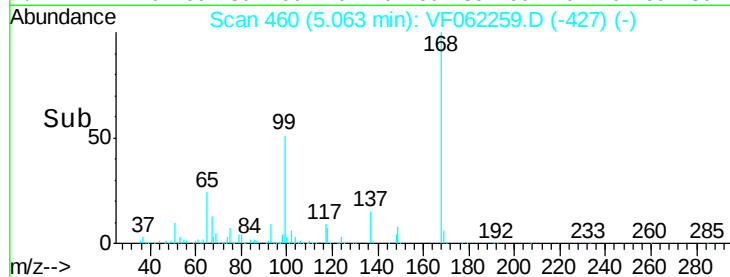
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.263 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062259.D

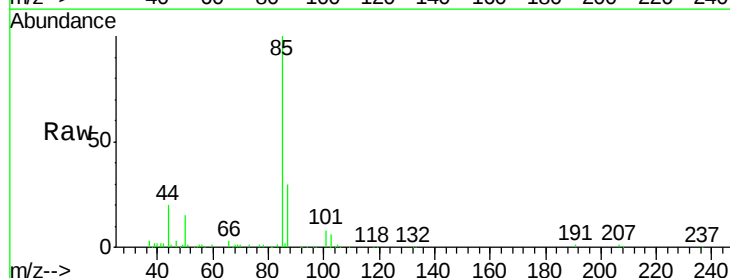
Acq: 23 Apr 2019 13:01

Tgt Ion: 85 Resp: 124362

Ion Ratio Lower Upper

85 100

87 29.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

40000

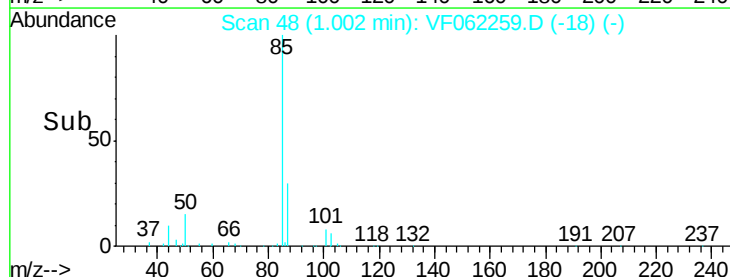
30000

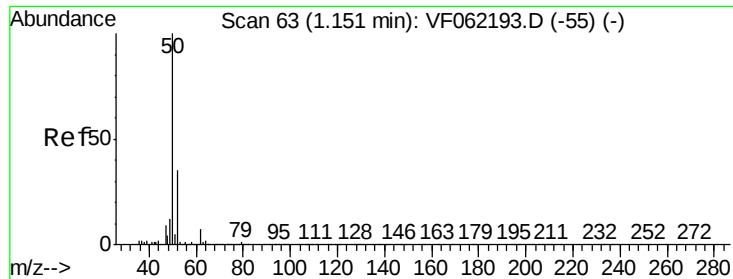
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.638 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

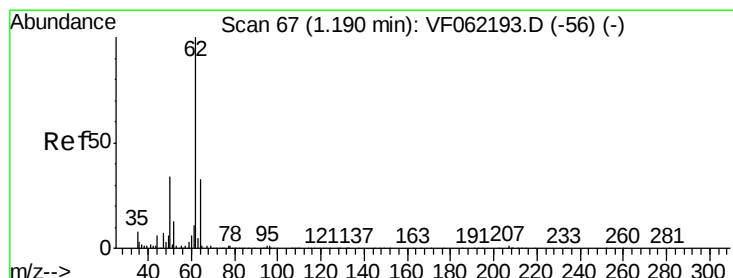
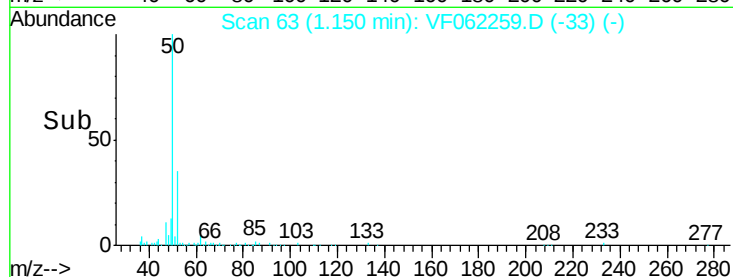
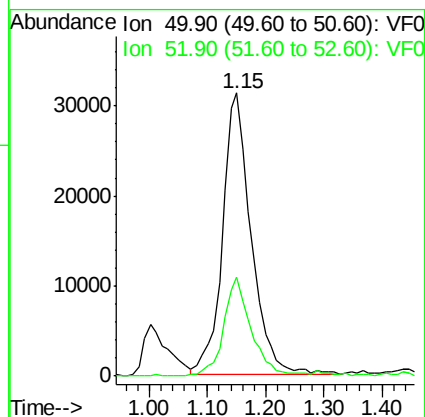
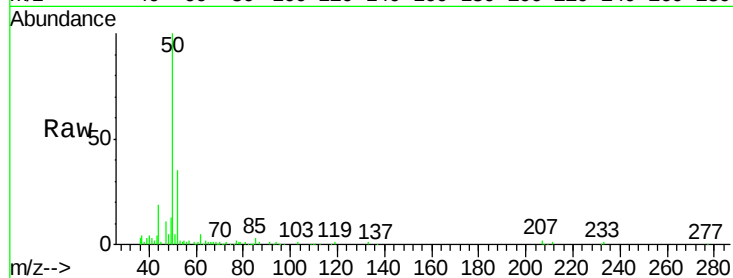
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 106628

Ion Ratio Lower Upper

50 100

52 34.7 27.0 40.4



#4

Vinyl Chloride

Concen: 18.271 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062259.D

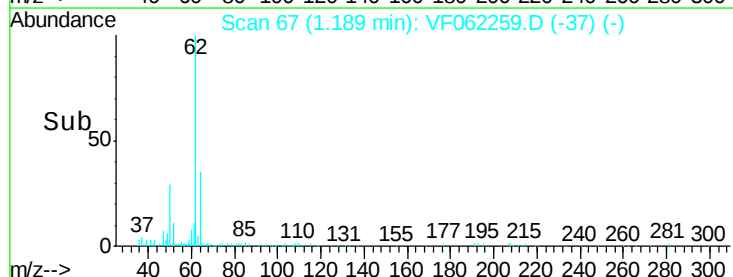
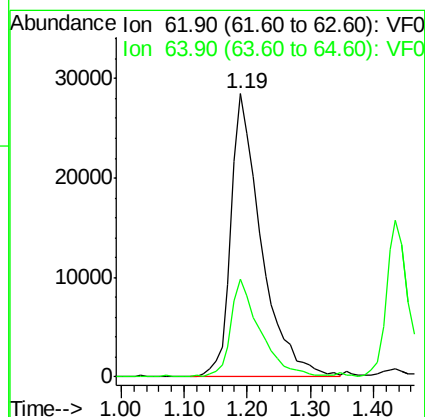
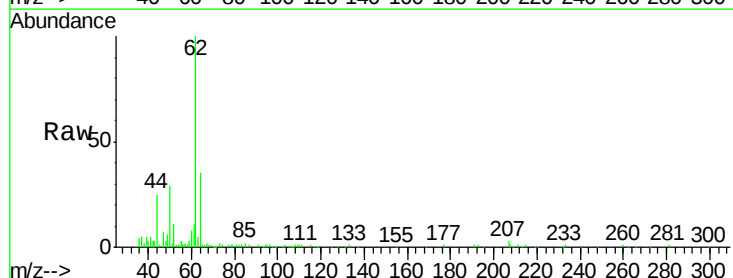
Acq: 23 Apr 2019 13:01

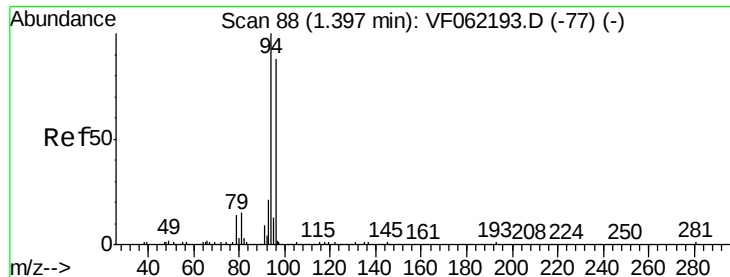
Tgt Ion: 62 Resp: 94892

Ion Ratio Lower Upper

62 100

64 34.7 26.2 39.4





#5

Bromomethane

Concen: 19.361 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

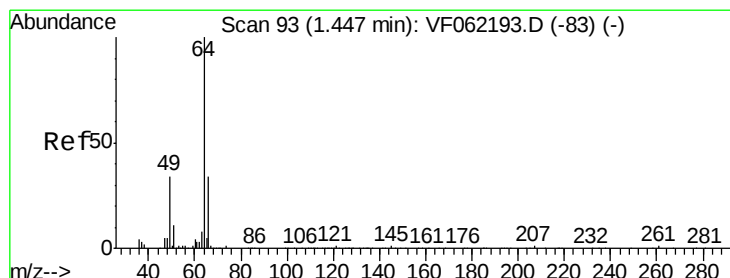
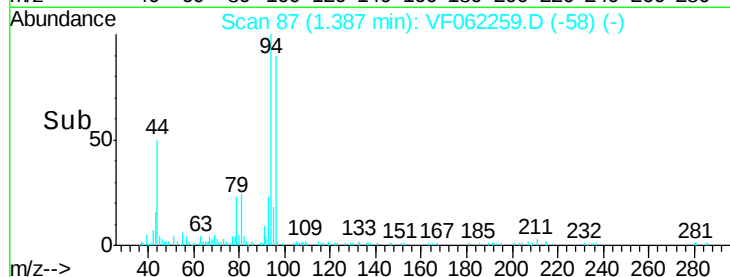
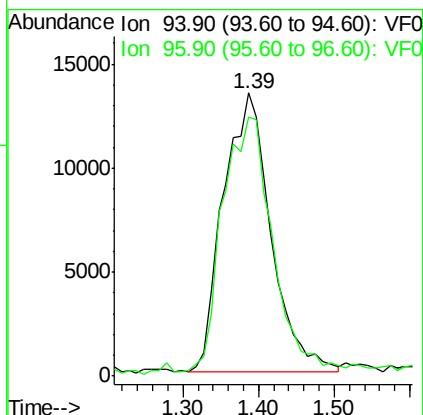
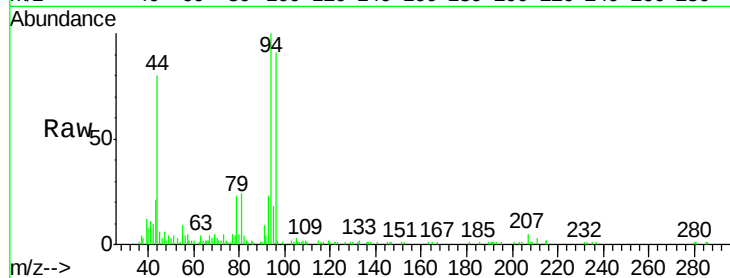
ClientSampleId :

Tot Ion: 94 Resp: 58414

Ion Ratio Lower Upper

94 100

96 91.0 70.2 105.4



#6

Chloroethane

Concen: 18.558 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062259.D

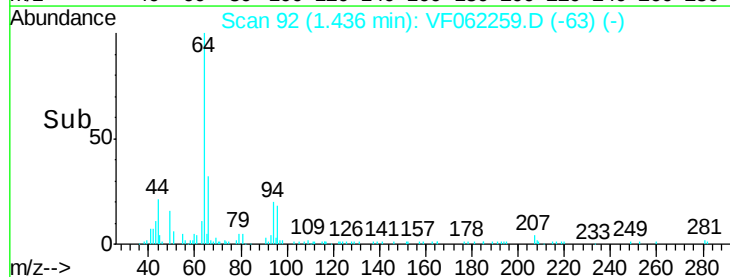
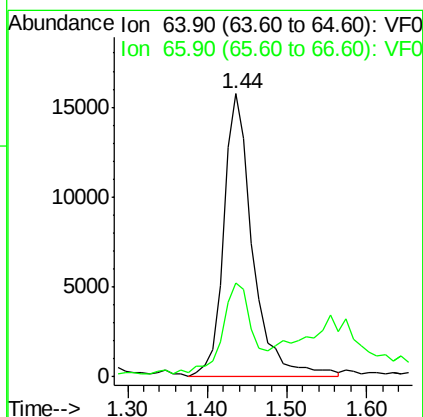
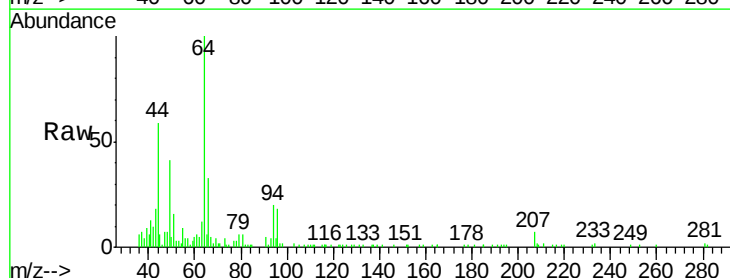
Acq: 23 Apr 2019 13:01

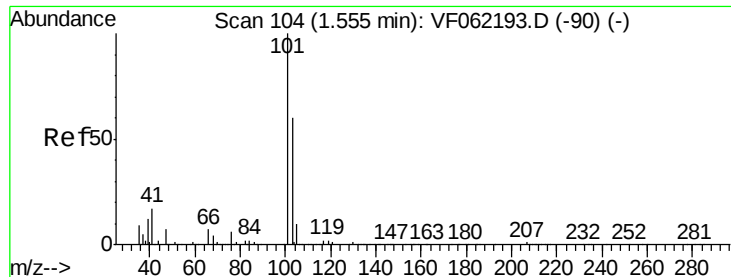
Tgt Ion: 64 Resp: 40293

Ion Ratio Lower Upper

64 100

66 31.7 27.0 40.4



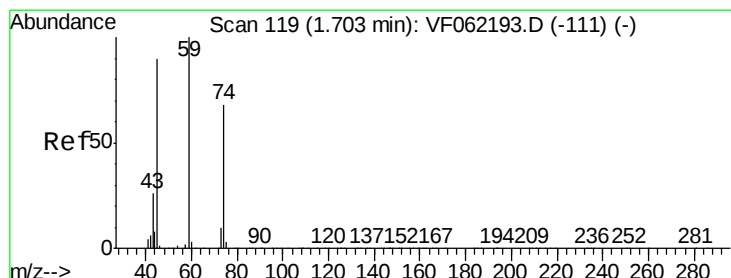
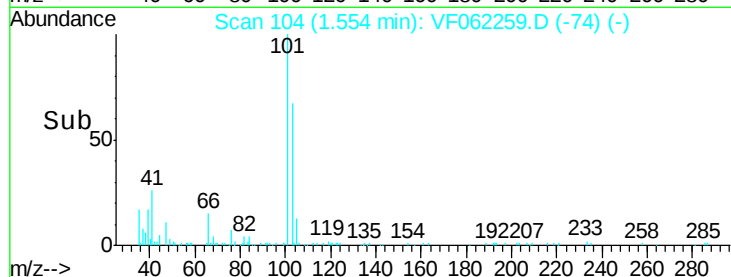
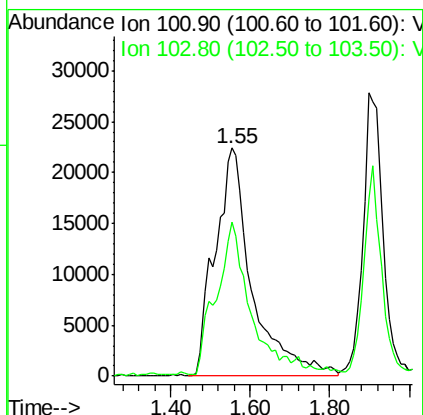
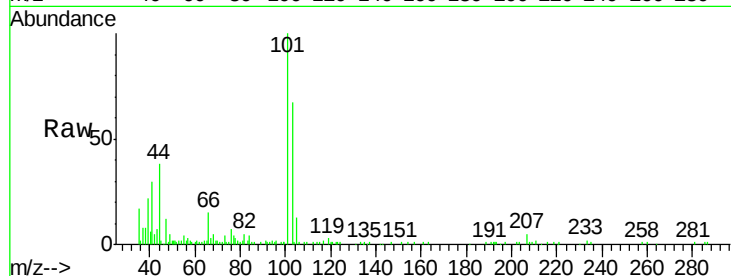


#7

Trichlorofluoromethane
Concen: 22.126 ug/l
RT: 1.55 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :

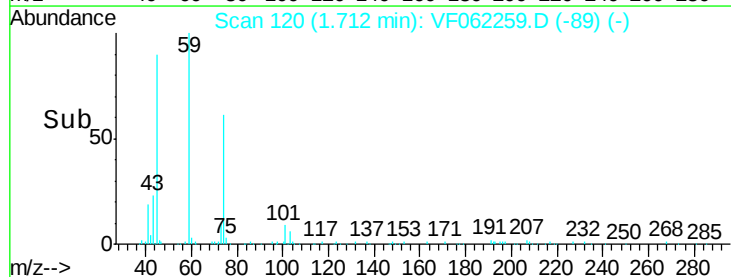
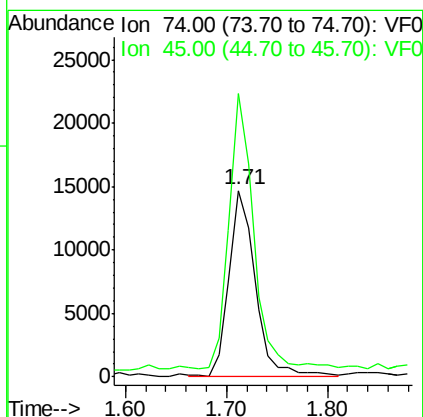
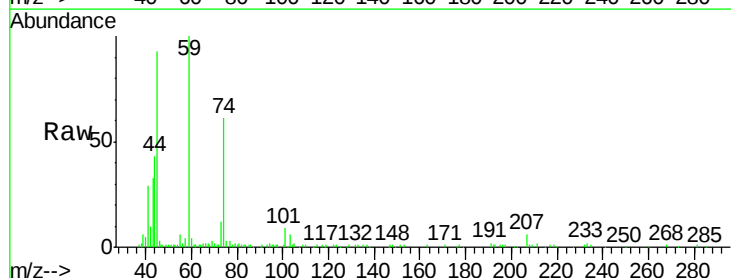
Tot Ion:101 Resp: 145988
Ion Ratio Lower Upper
101 100
103 66.3 48.2 72.4

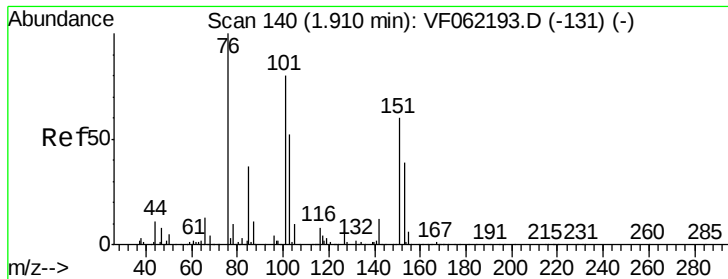


#8

Diethyl Ether
Concen: 19.678 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion: 74 Resp: 27022
Ion Ratio Lower Upper
74 100
45 136.9 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.596 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062259.D

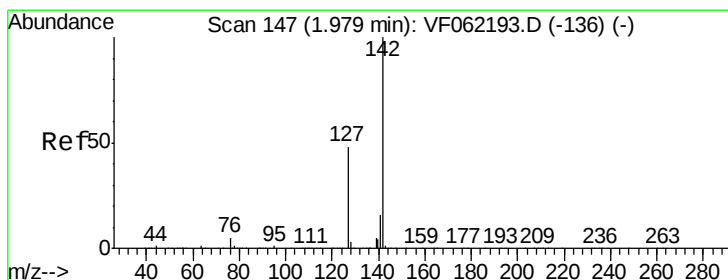
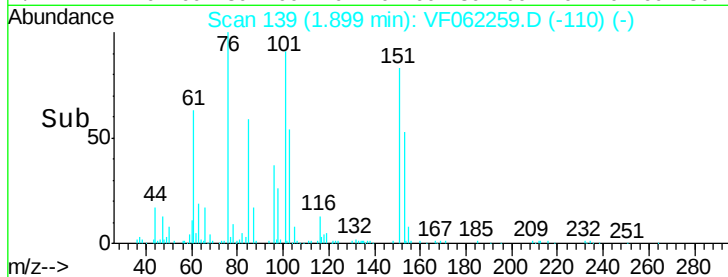
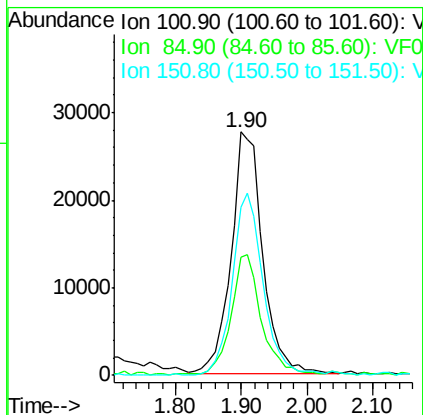
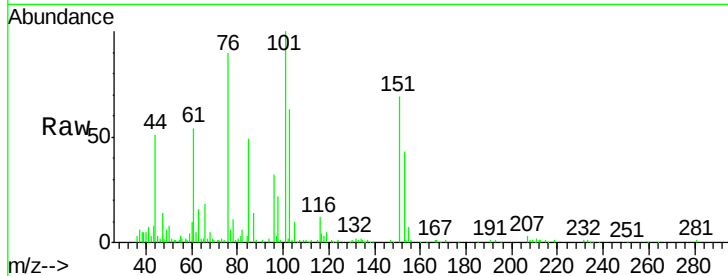
Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:101	Resp:	92838
Ion Ratio	Lower	Upper
101	100	
85	47.9	35.3 52.9
151	74.1	57.5 86.3



#10

Methyl Iodide

Concen: 21.231 ug/l

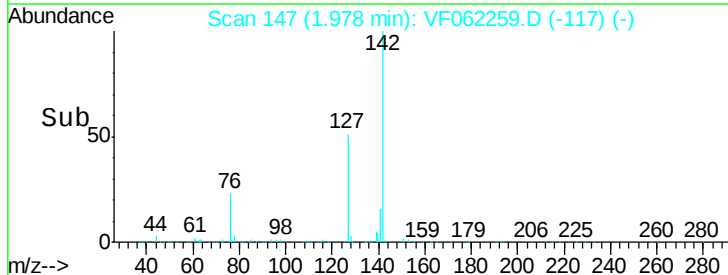
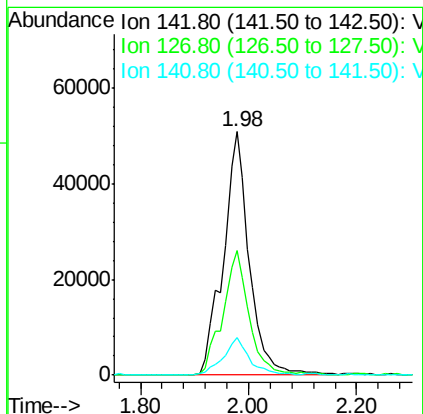
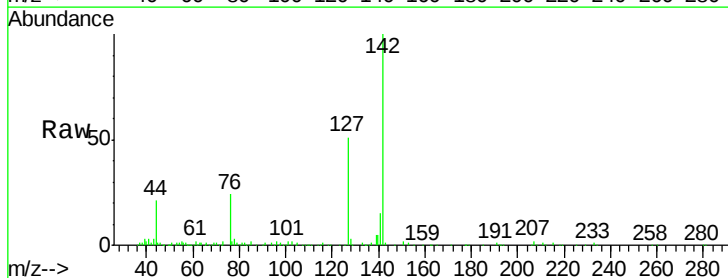
RT: 1.98 min Scan# 147

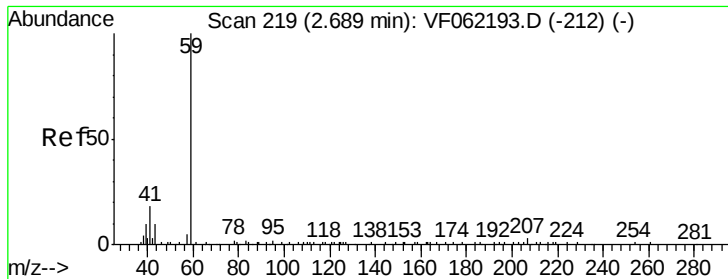
Delta R.T. -0.00 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Tgt Ion:142	Resp:	170009
Ion Ratio	Lower	Upper
142	100	
127	52.0	33.0 49.4#
141	15.4	12.7 19.1

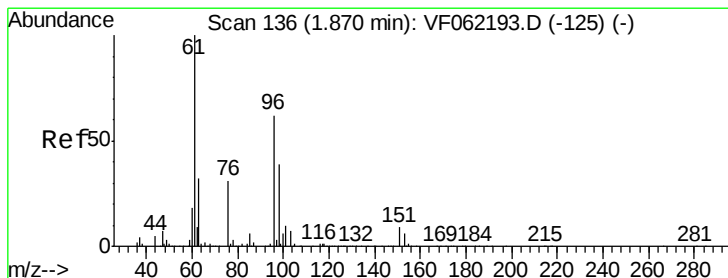
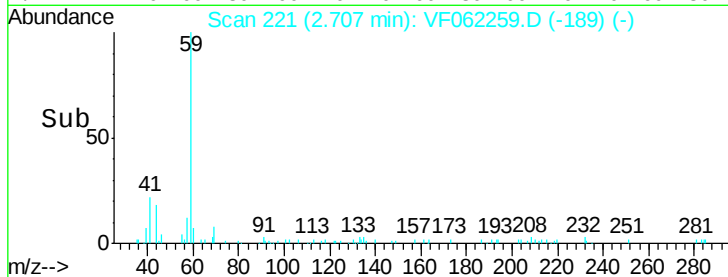
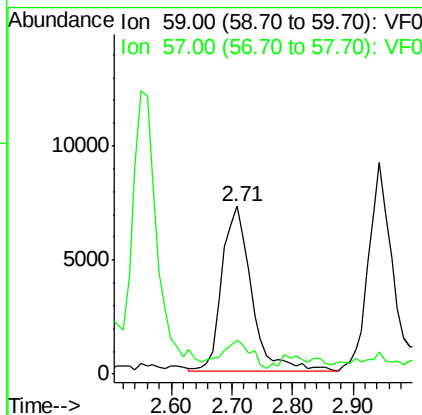
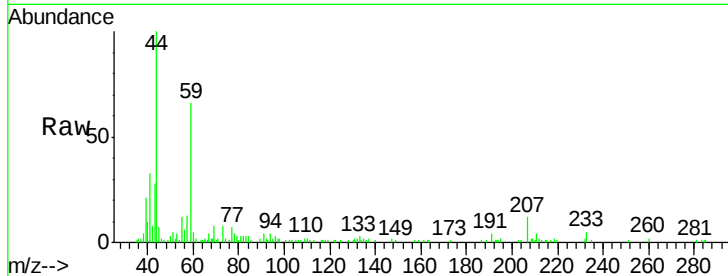




#11
Tert butyl alcohol
Concen: 99.480 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

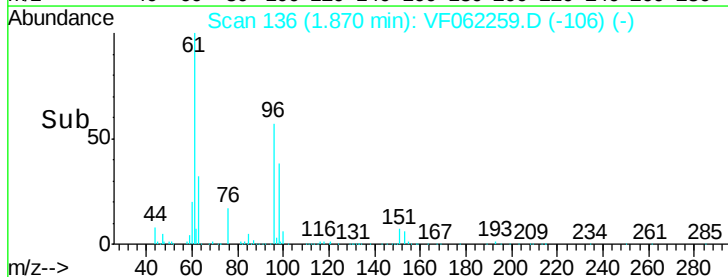
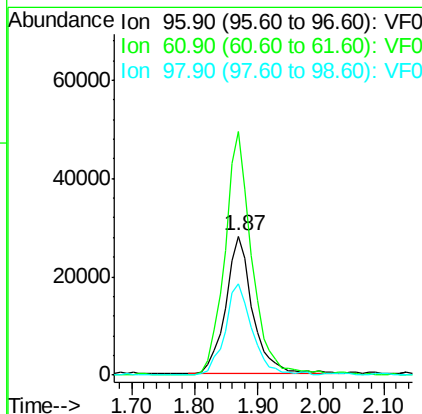
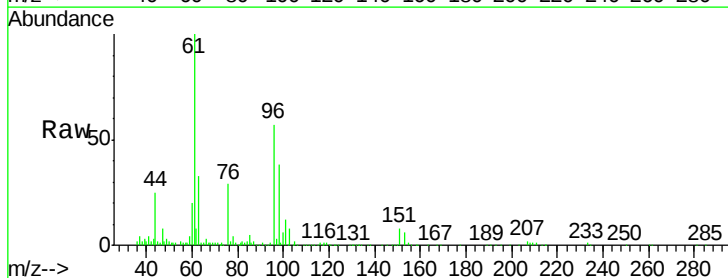
Instrument :
MSVOA_F
ClientSampleId :

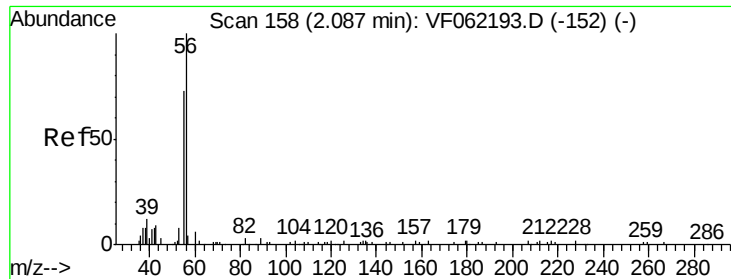
Tot Ion: 59 Resp: 24403
Ion Ratio Lower Upper
59 100
57 16.6 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 19.101 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion: 96 Resp: 81892
Ion Ratio Lower Upper
96 100
61 177.3 129.1 193.7
98 66.2 50.0 75.0

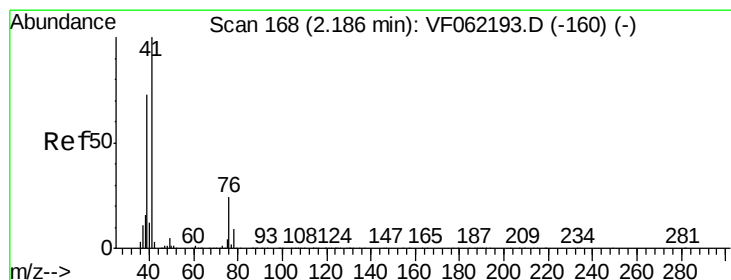
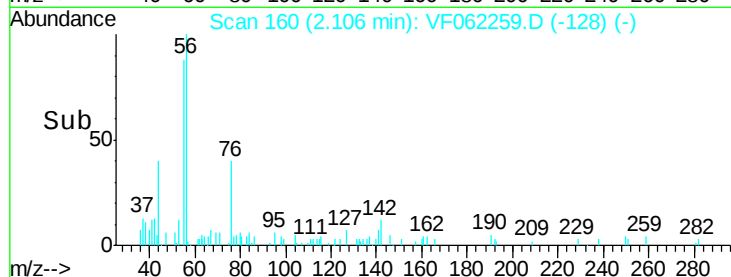
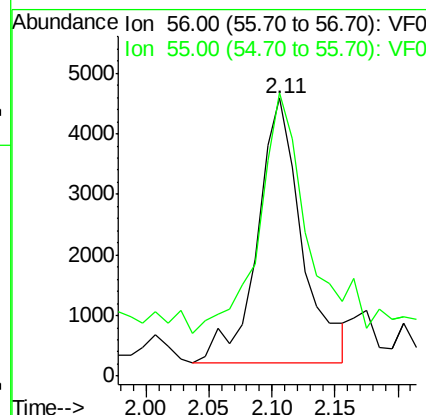
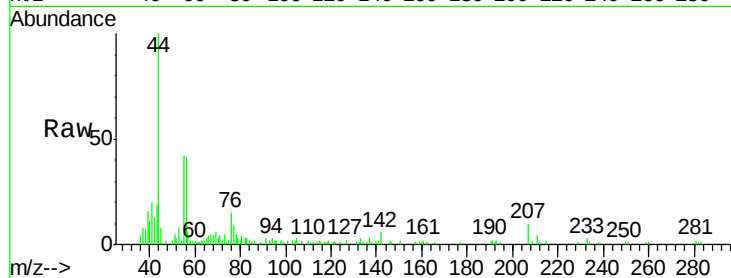




#13
Acrolein
Concen: 74.674 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

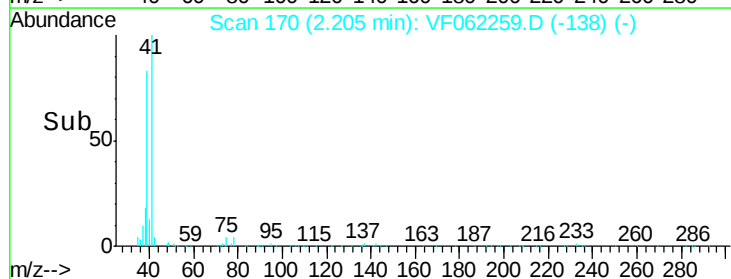
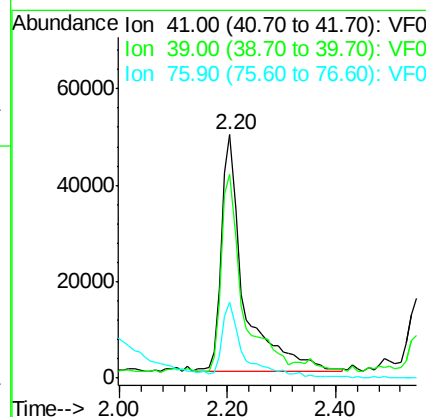
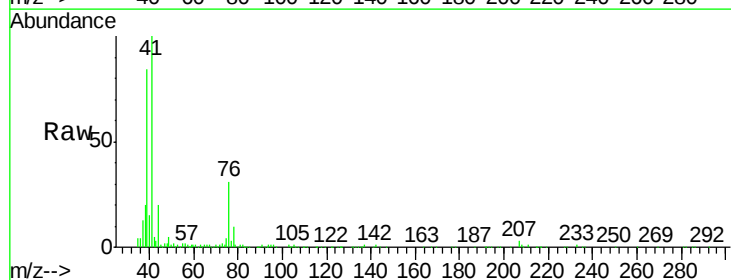
Instrument :
MSVOA_F
ClientSampleId :

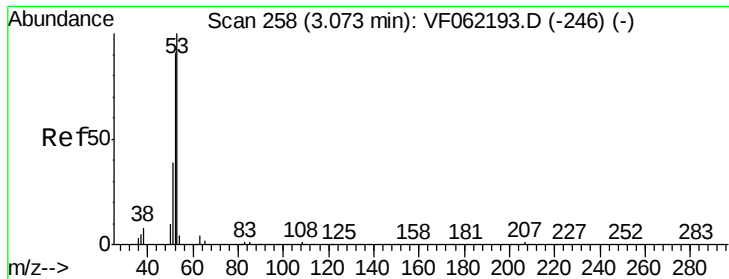
Tot Ion: 56 Resp: 10858
Ion Ratio Lower Upper
56 100
55 101.4 57.4 86.0#



#14
Allyl chloride
Concen: 28.952 ug/l
RT: 2.20 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion: 41 Resp: 142449
Ion Ratio Lower Upper
41 100
39 78.4 60.0 90.0
76 31.6 20.6 30.8#





#15

Acrylonitrile

Concen: 88.651 ug/l

RT: 3.09 min Scan# 260

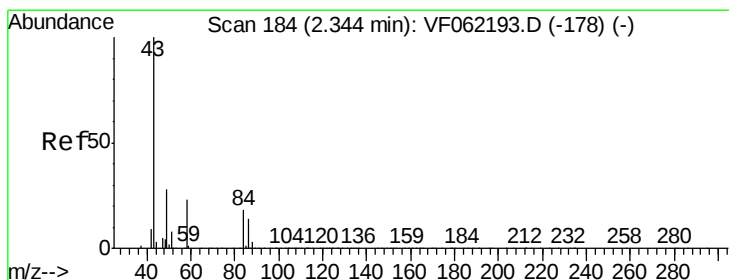
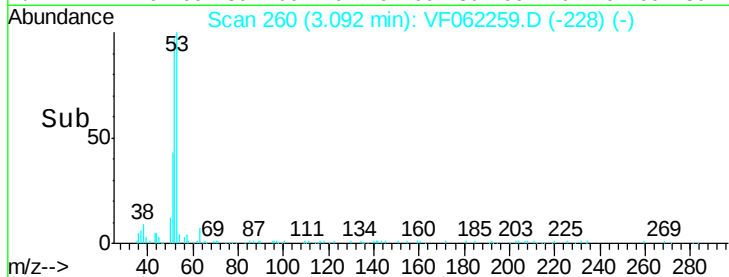
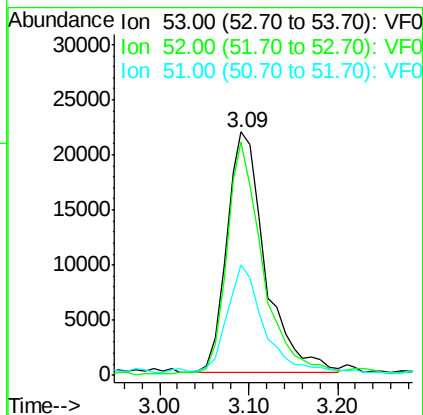
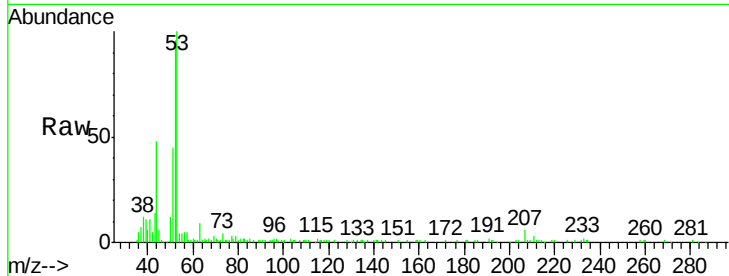
Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	66235
Ion	Ratio	Lower	Upper
53	100		
52	88.8	69.5	104.3
51	42.9	31.8	47.8



#16

Acetone

Concen: 109.985 ug/l

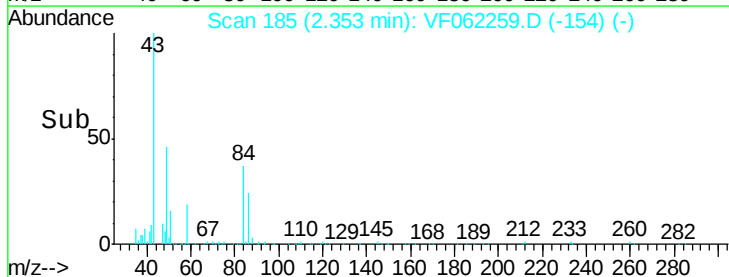
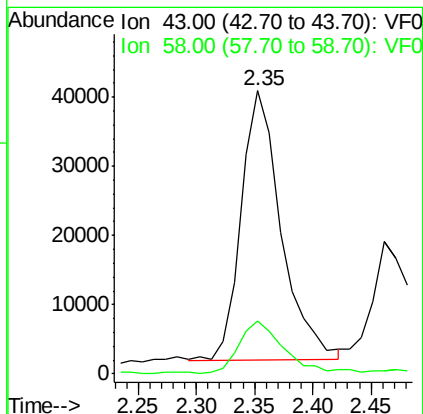
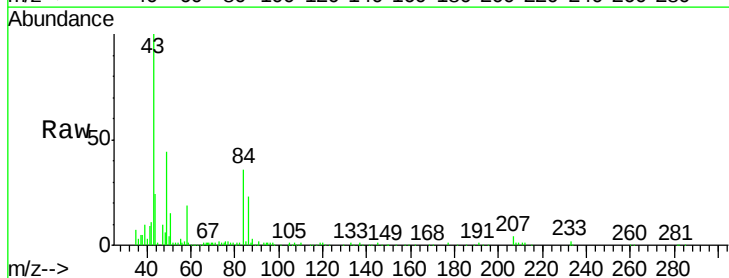
RT: 2.35 min Scan# 185

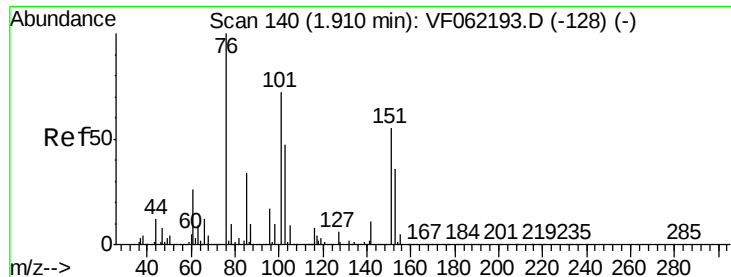
Delta R.T. 0.01 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Tgt Ion:	43	Resp:	92775
Ion	Ratio	Lower	Upper
43	100		
58	19.1	18.8	28.2





#17

Carbon Disulfide

Concen: 18.735 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

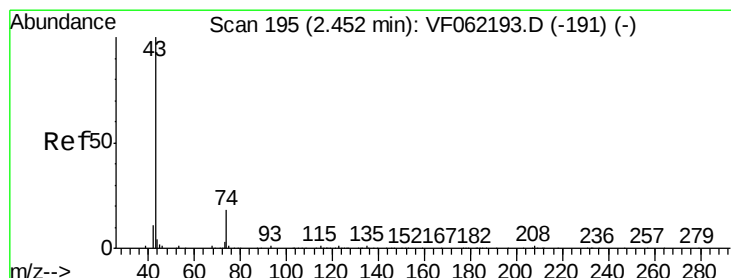
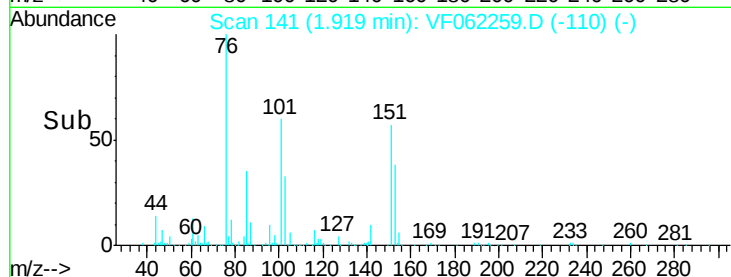
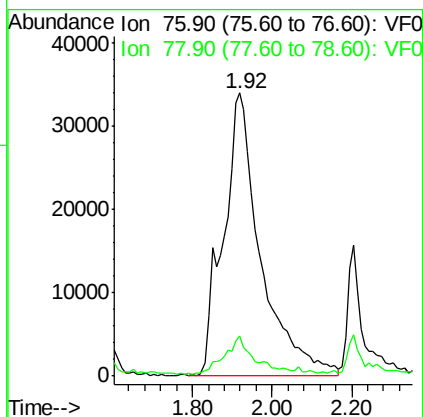
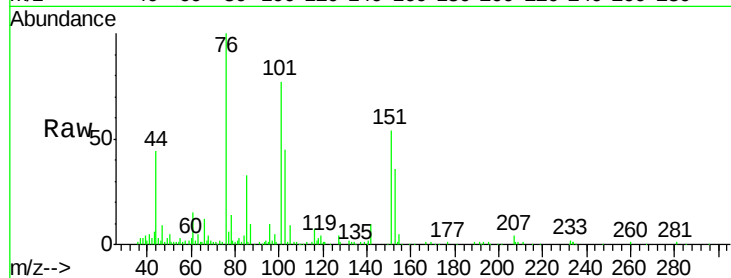
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 223187

Ion Ratio Lower Upper

76 100

78 13.0 8.7 13.1



#18

Methyl Acetate

Concen: 18.227 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062259.D

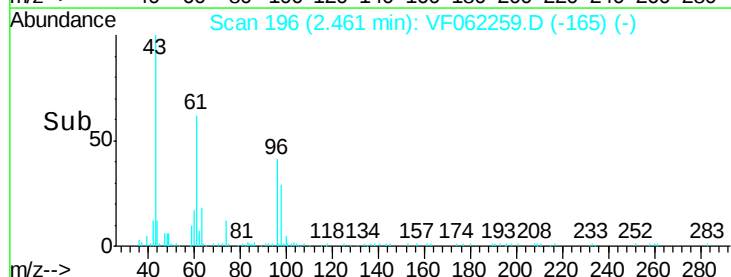
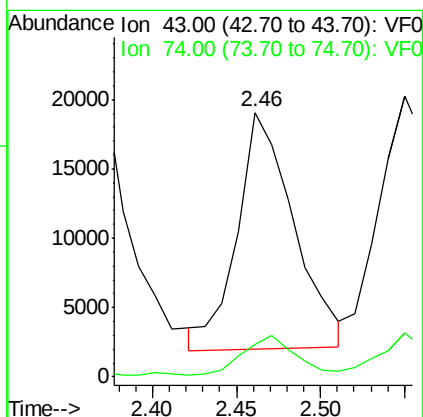
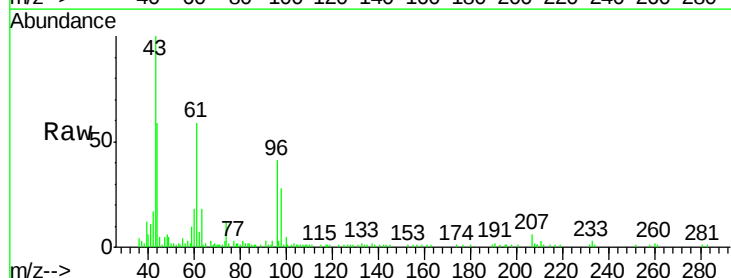
Acq: 23 Apr 2019 13:01

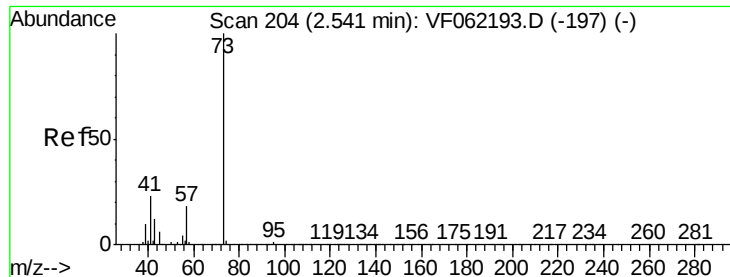
Tgt Ion: 43 Resp: 39859

Ion Ratio Lower Upper

43 100

74 15.0 14.5 21.7



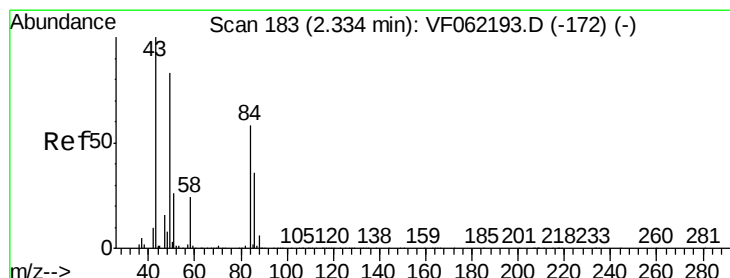
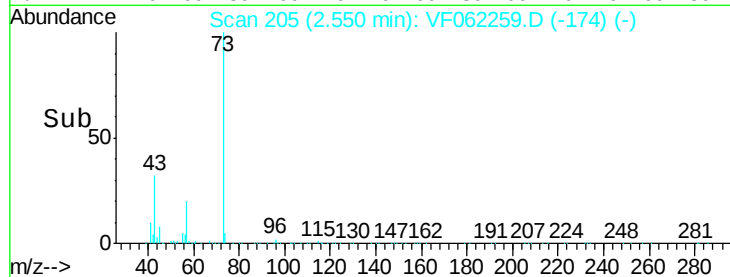
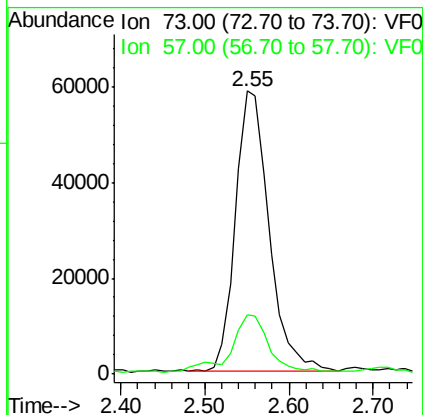
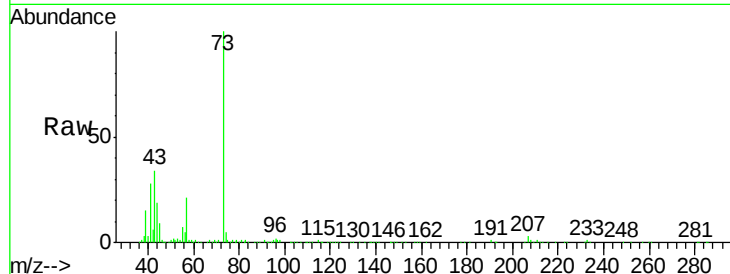


#19

Methyl tert-butyl Ether
 Concen: 21.625 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Instrument :
 MSVOA_F
 ClientSampleId :

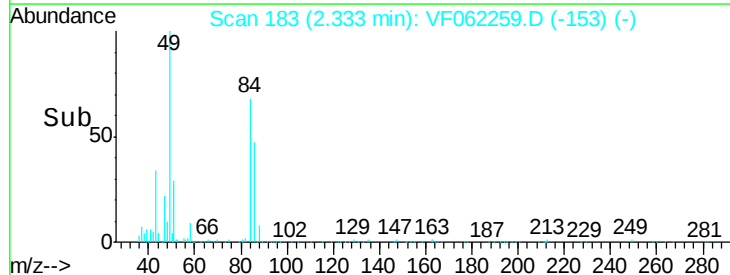
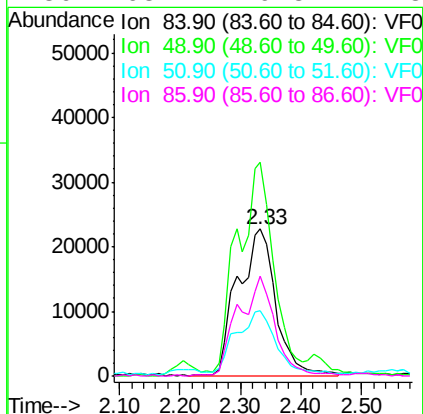
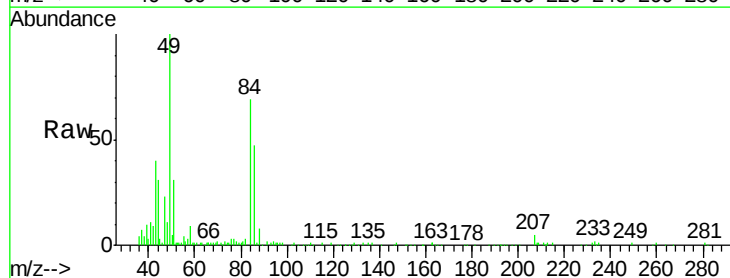
Tot Ion: 73 Resp: 163688
 Ion Ratio Lower Upper
 73 100
 57 20.1 15.1 22.7

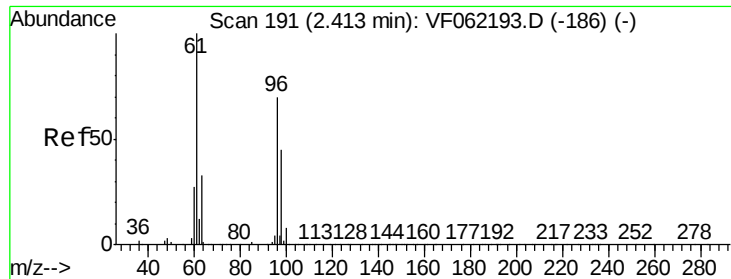


#20

Methylene Chloride
 Concen: 20.390 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Tgt Ion: 84 Resp: 99833
 Ion Ratio Lower Upper
 84 100
 49 141.0 114.0 171.0
 51 42.8 37.0 55.4
 86 68.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.877 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

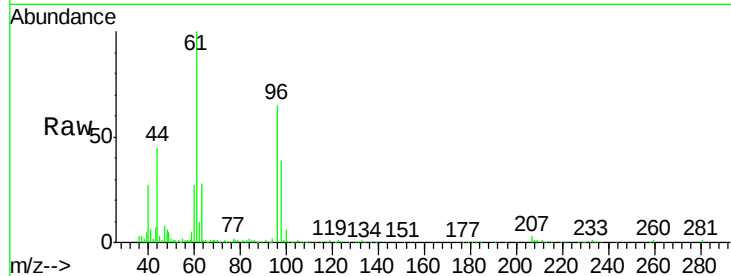
Tot Ion: 96 Resp: 84271

Ion Ratio Lower Upper

96 100

61 154.8 114.6 172.0

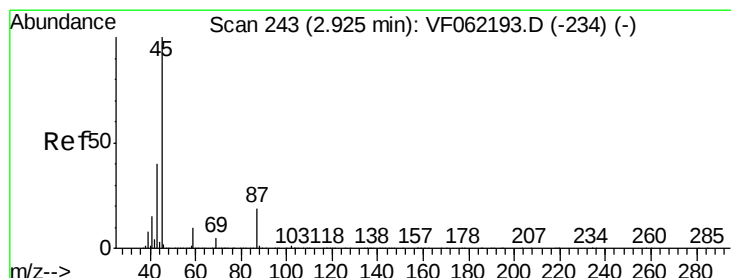
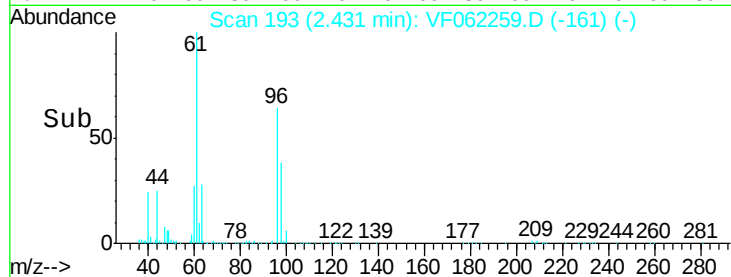
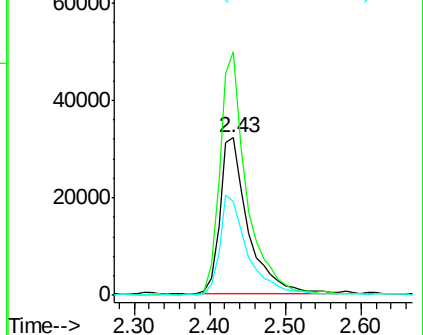
98 59.3 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 19.564 ug/l

RT: 2.94 min Scan# 245

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Tgt Ion: 45 Resp: 246224

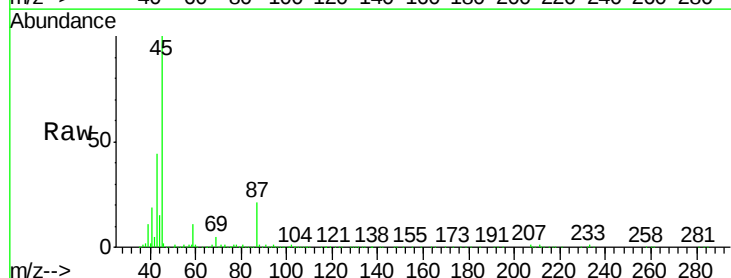
Ion Ratio Lower Upper

45 100

43 42.2 32.8 49.2

87 20.8 15.2 22.8

59 10.6 7.8 11.6

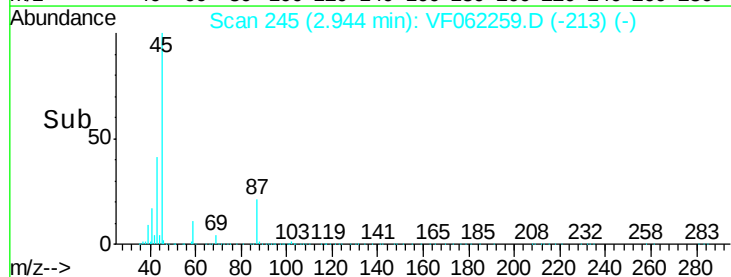
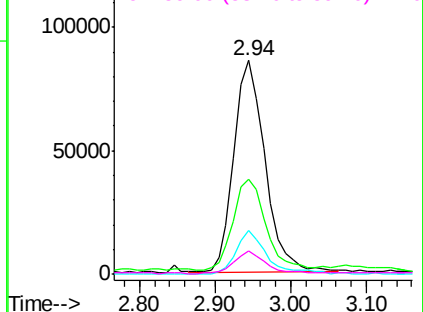


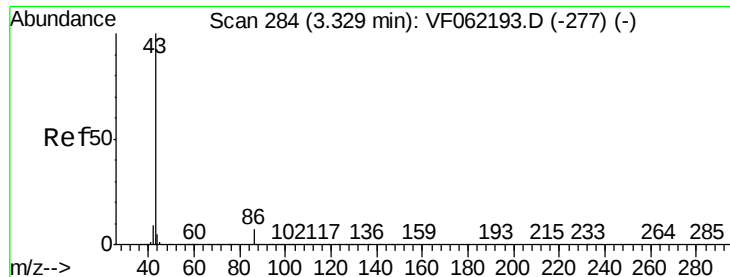
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 96.392 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

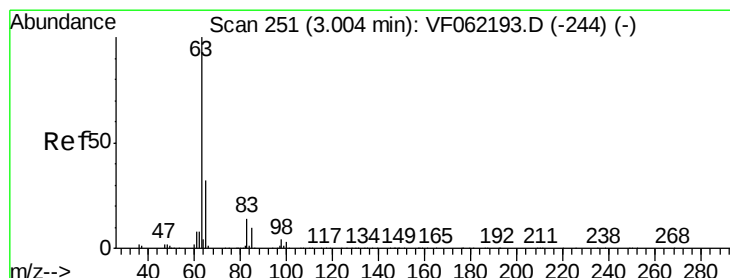
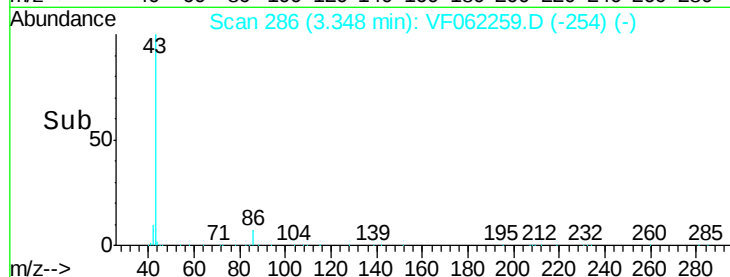
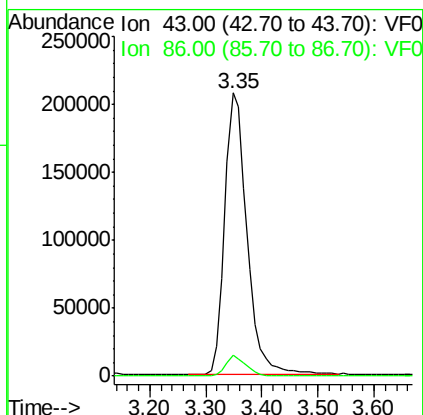
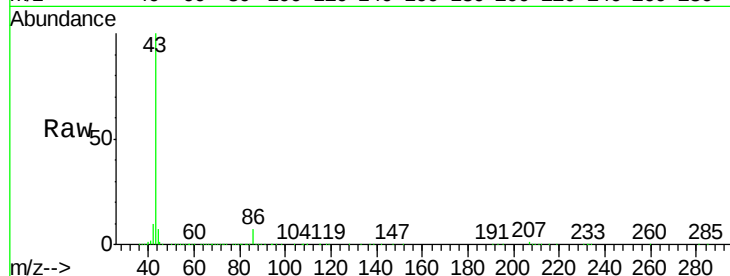
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 578009

Ion Ratio Lower Upper

43 100

86 7.3 5.9 8.9



#24

1,1-Dichloroethane

Concen: 20.751 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

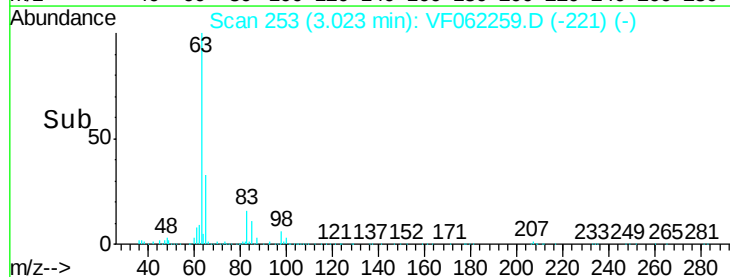
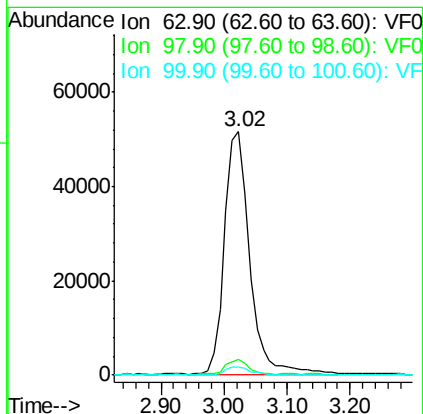
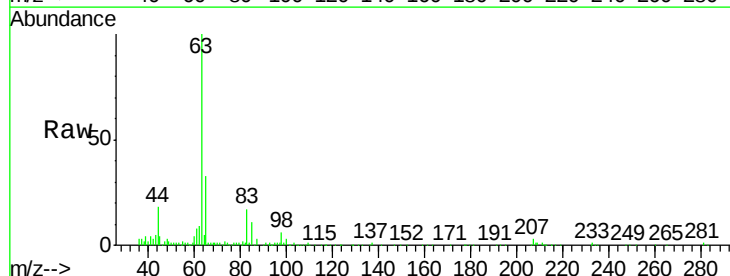
Tgt Ion: 63 Resp: 142865

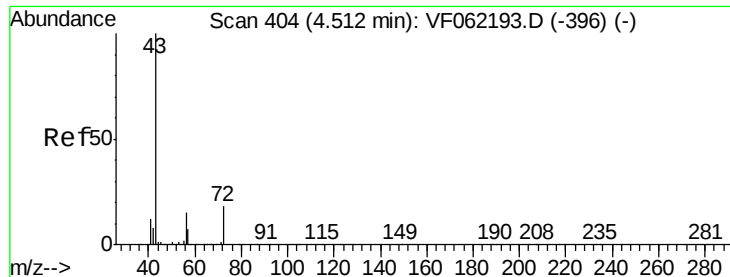
Ion Ratio Lower Upper

63 100

98 5.9 2.3 6.8

100 3.1 1.7 5.0





#25

2-Butanone

Concen: 89.092 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

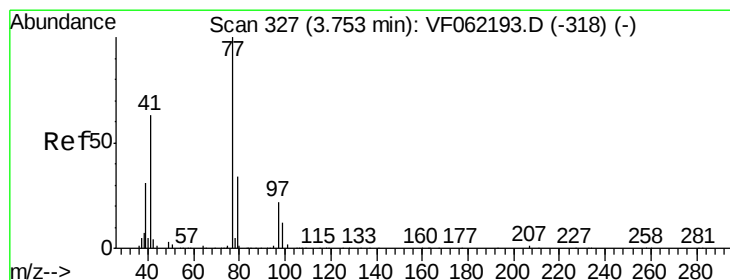
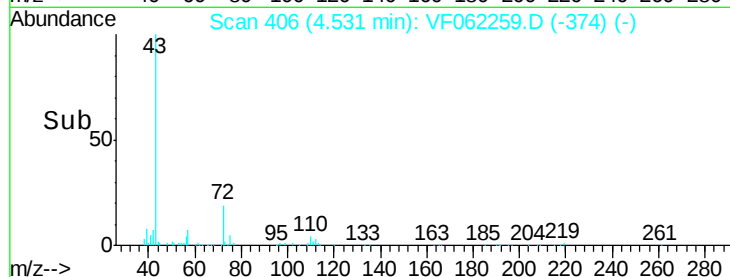
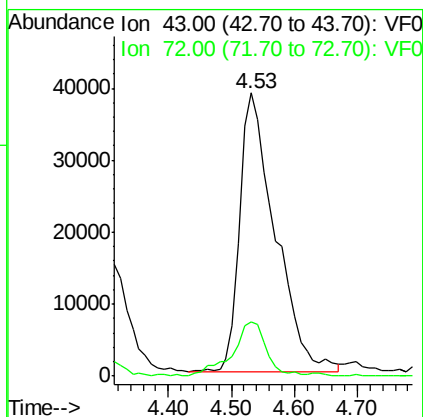
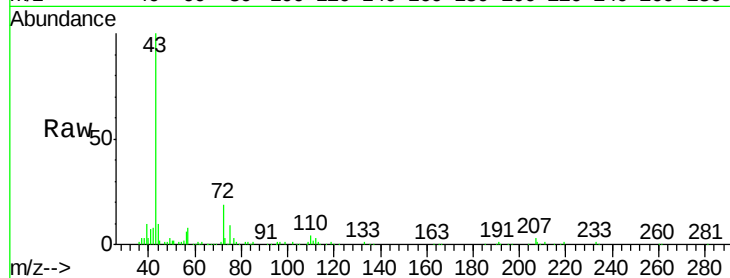
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 150268

Ion Ratio Lower Upper

43 100

72 19.2 16.1 24.1



#26

2,2-Dichloropropane

Concen: 22.316 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.03 min

Lab File: VF062259.D

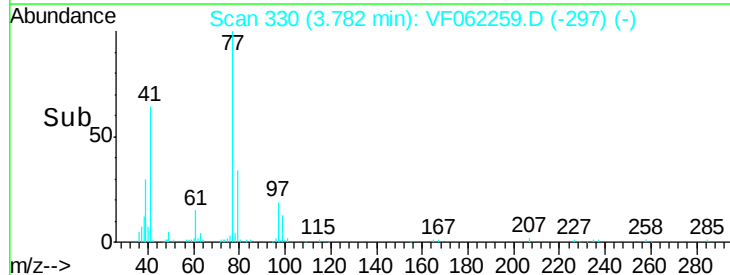
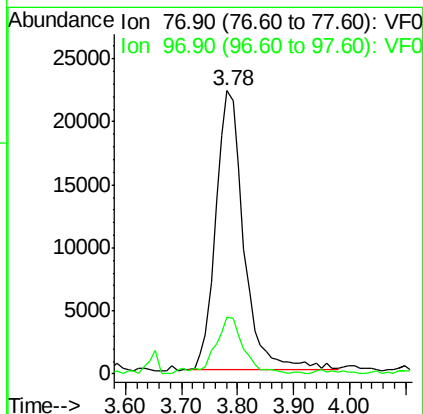
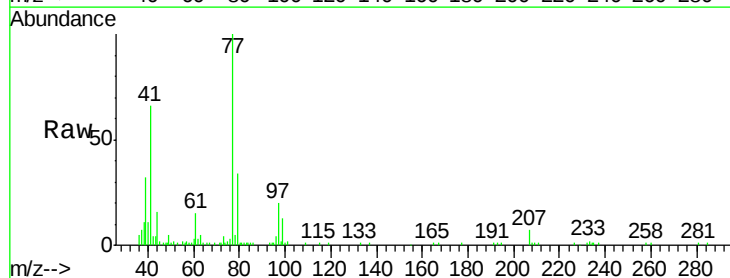
Acq: 23 Apr 2019 13:01

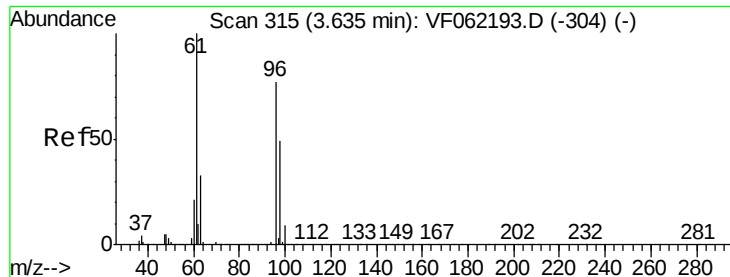
Tgt Ion: 77 Resp: 77570

Ion Ratio Lower Upper

77 100

97 20.0 11.1 33.3



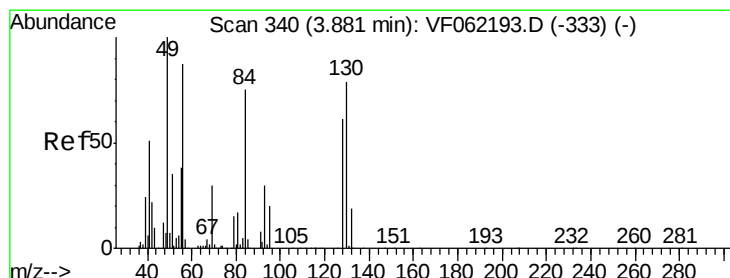
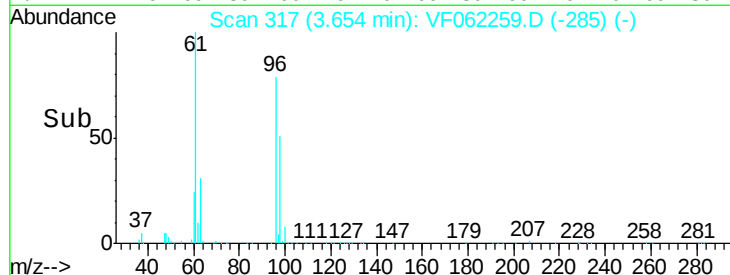
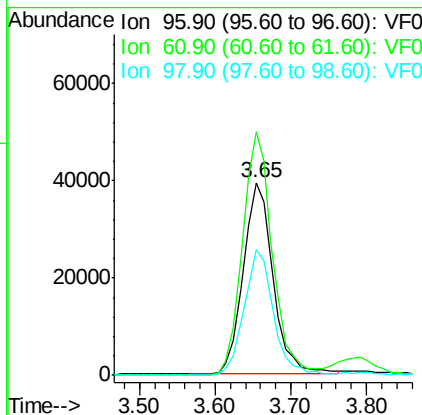
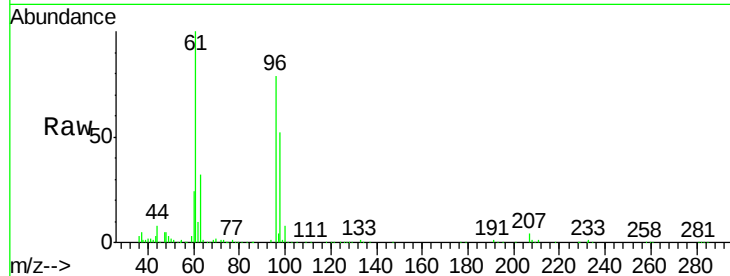


#27

cis-1,2-Dichloroethene
 Concen: 19.735 ug/l
 RT: 3.65 min Scan# 317
 Delta R.T. 0.02 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Instrument :
 MSVOA_F
 ClientSampleId :

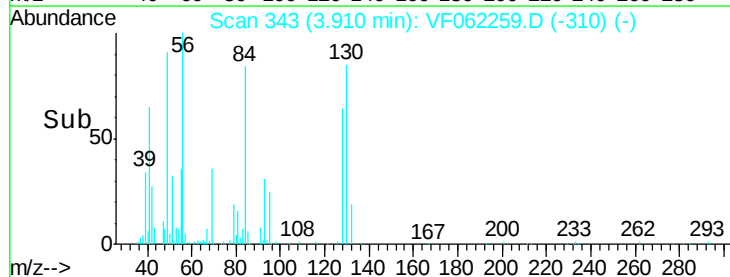
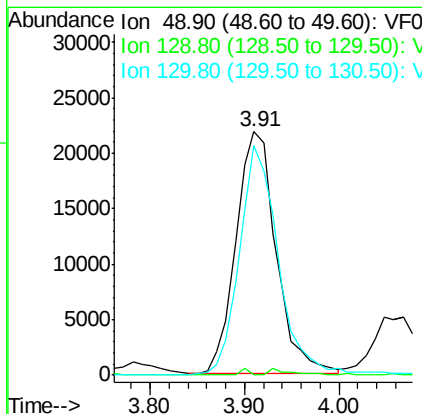
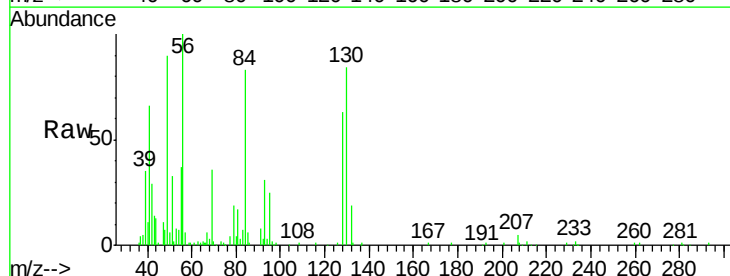
Tot Ion	96	Resp	108354
Ion Ratio	Lower	Upper	
96	100		
61	127.4	0.0	253.6
98	64.4	0.0	124.8



#28

Bromochloromethane
 Concen: 19.436 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. 0.03 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Tgt Ion	49	Resp	64102
Ion Ratio	Lower	Upper	
49	100		
129	0.6	0.0	0.0#
130	94.0	66.6	100.0

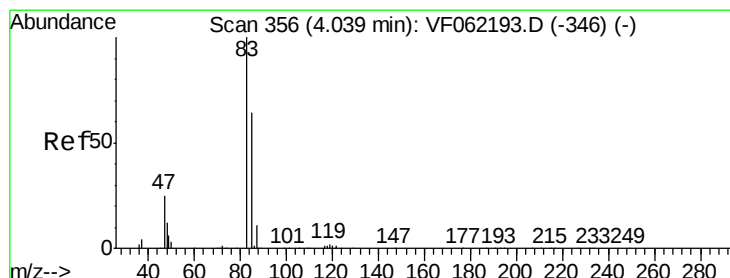
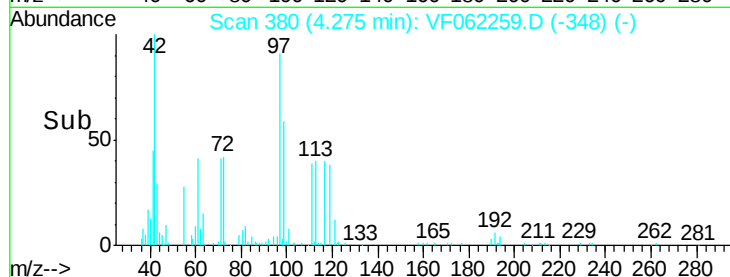
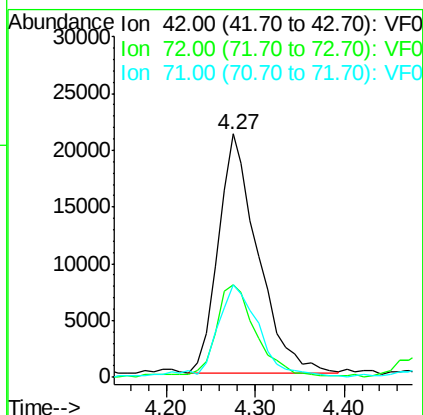
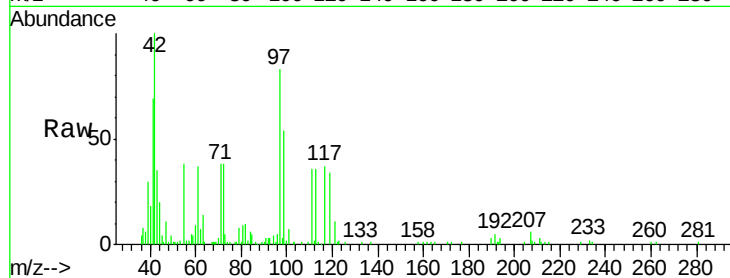




#29
Tetrahydrofuran
Concen: 85.954 ug/l
RT: 4.27 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

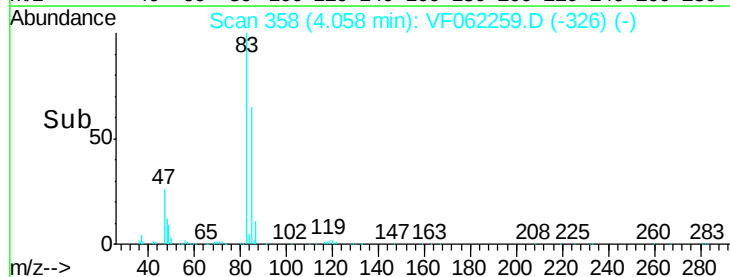
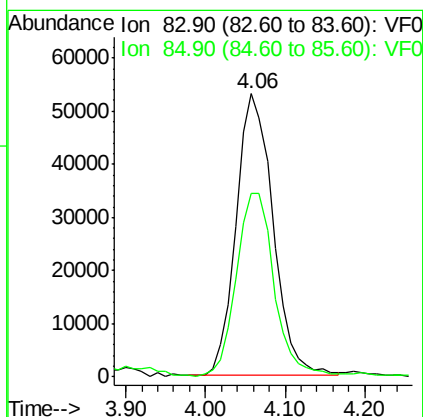
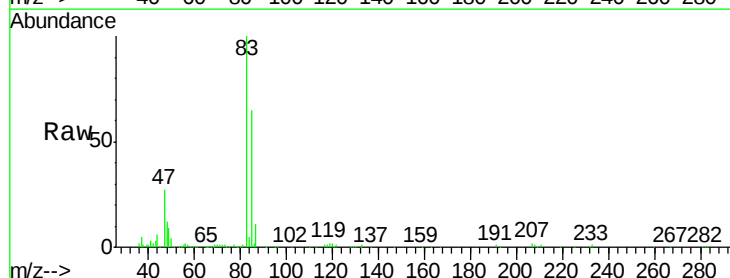
Instrument :
MSVOA_F
ClientSampled :

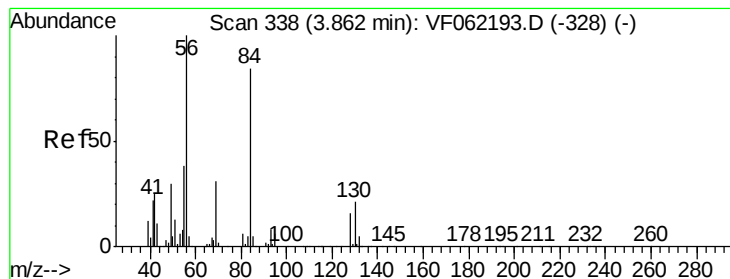
Tot Ion: 42 Resp: 65621
Ion Ratio Lower Upper
42 100
72 40.3 28.6 43.0
71 41.8 29.2 43.8



#30
Chloroform
Concen: 20.153 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion: 83 Resp: 170517
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.8





#31

Cyclohexane

Concen: 17.499 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :

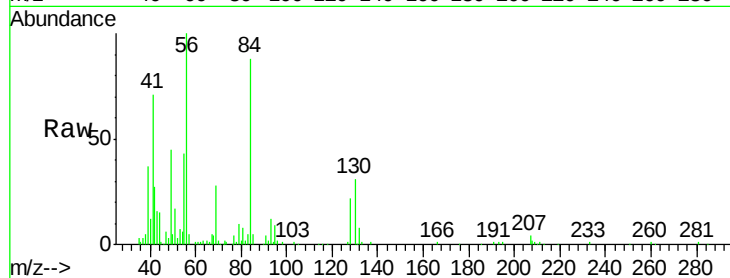
Tot Ion: 56 Resp: 144378

Ion Ratio Lower Upper

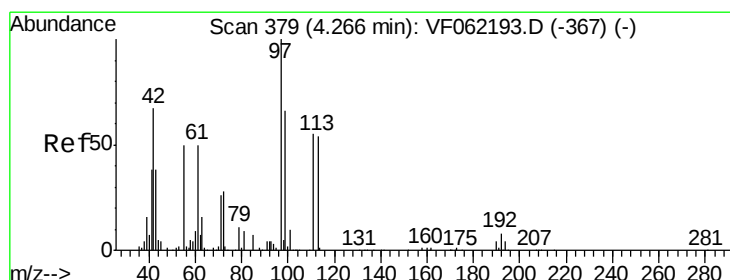
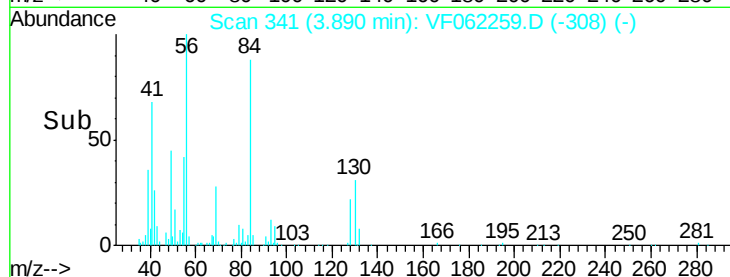
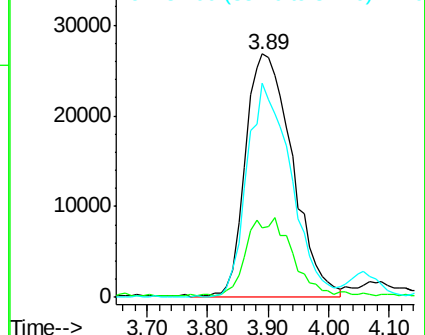
56 100

69 27.4 25.1 37.7

84 87.3 67.8 101.6



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 23.366 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.04 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

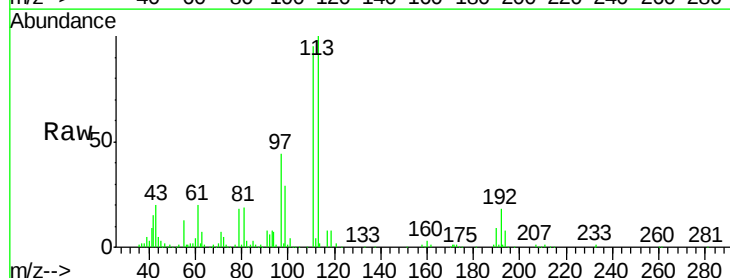
Tgt Ion: 97 Resp: 144716

Ion Ratio Lower Upper

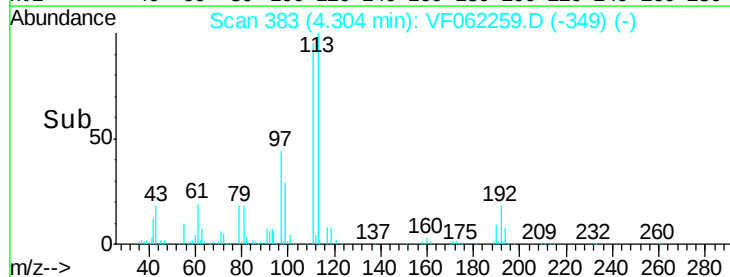
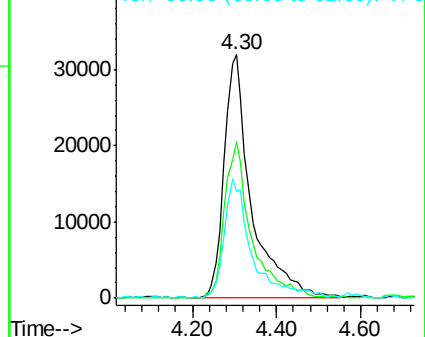
97 100

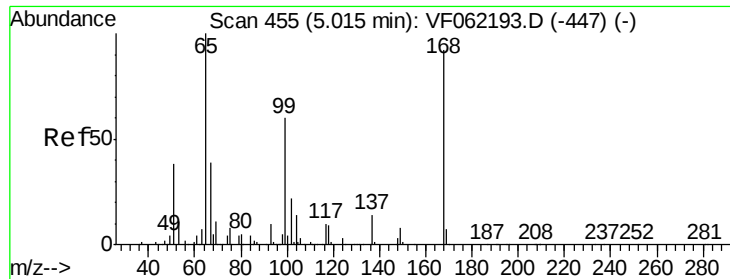
99 63.4 52.7 79.1

61 49.6 53.0 79.4#



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 23.366 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

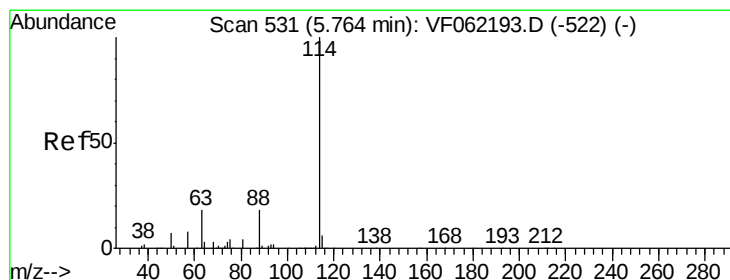
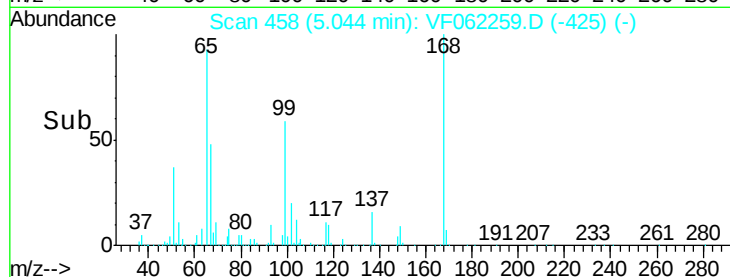
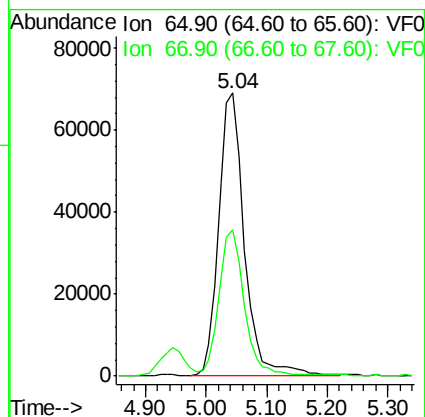
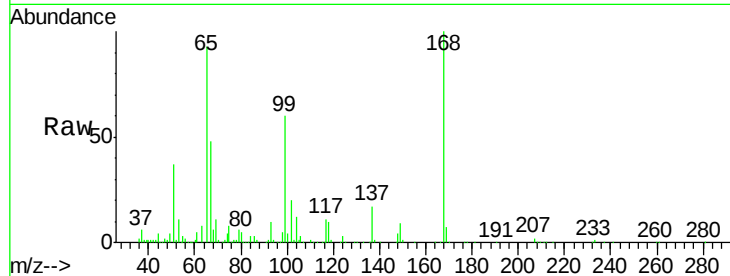
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 204587

Ion Ratio Lower Upper

65 100

67 49.6 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

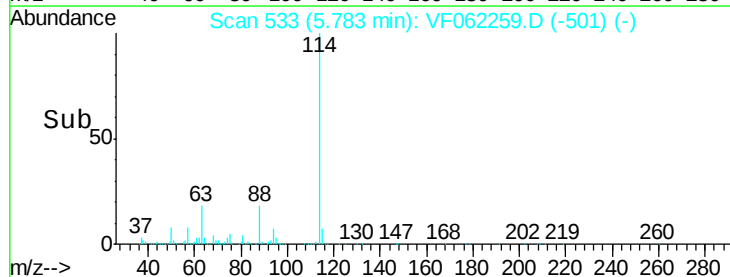
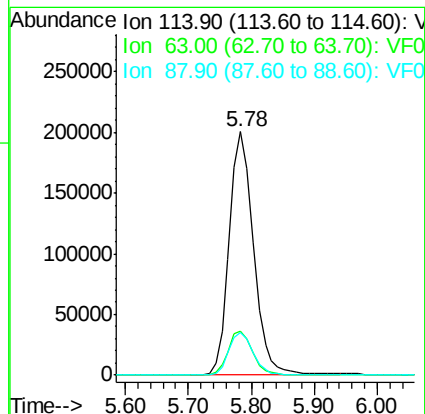
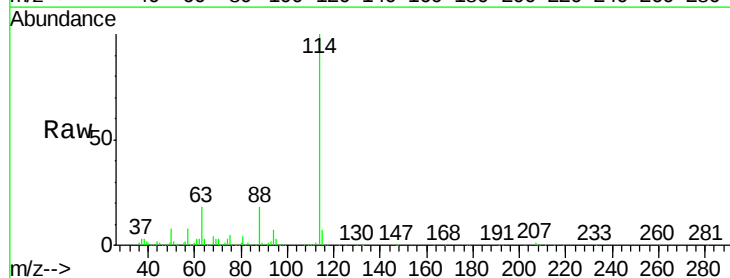
Tgt Ion: 114 Resp: 537477

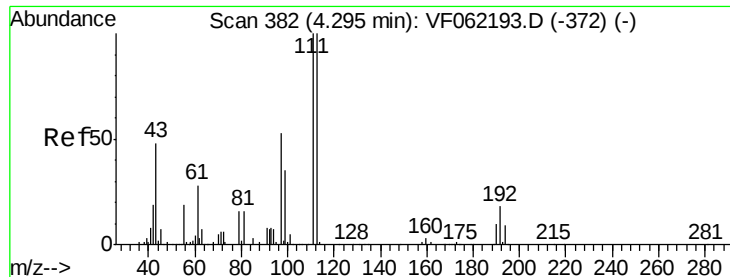
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 17.6 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 4.31 min Scan# 384

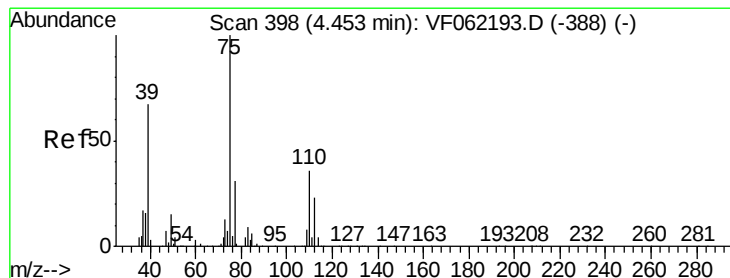
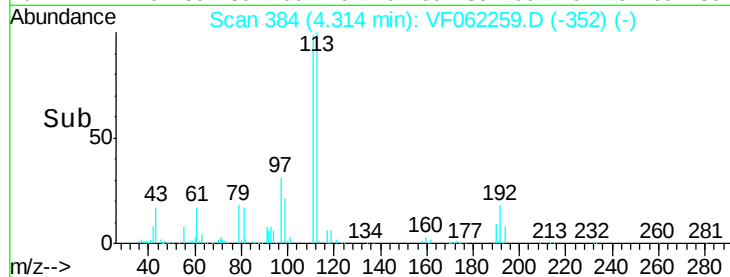
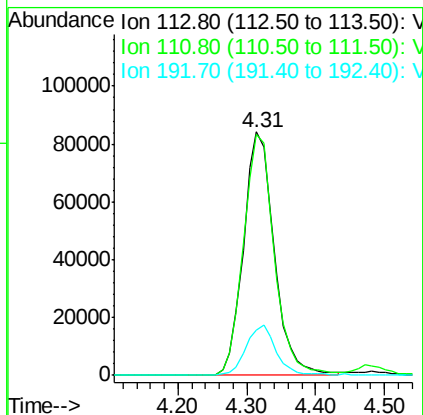
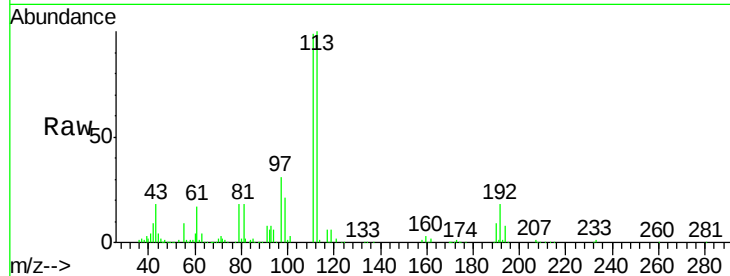
Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	113	Resp:	262201
Ion	Ratio	Lower	Upper
113	100		
111	99.2	81.1	121.7
192	20.1	14.7	22.1



#36

1,1-Dichloropropene

Concen: 19.954 ug/l

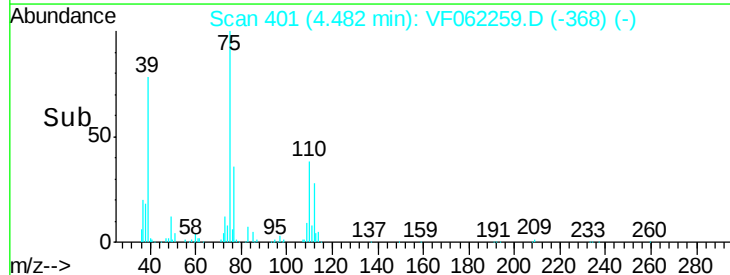
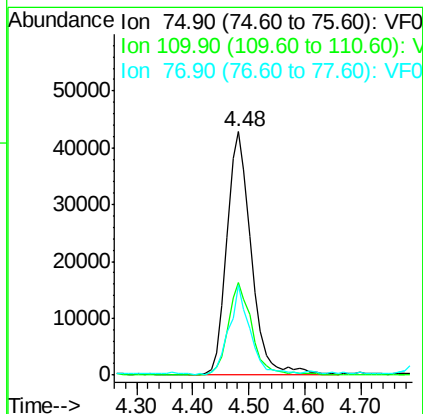
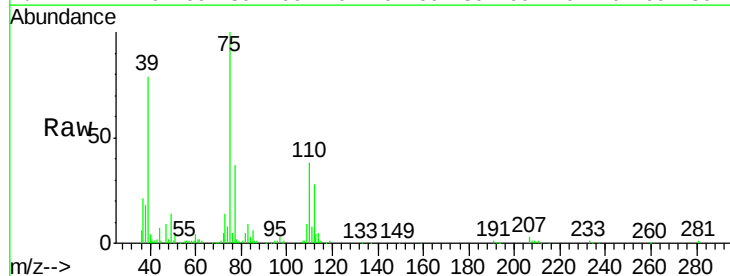
RT: 4.48 min Scan# 401

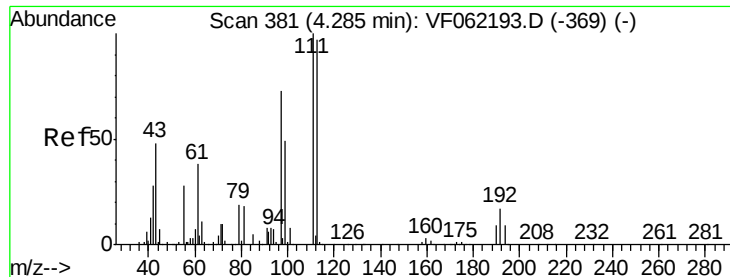
Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Tgt Ion:	75	Resp:	128586
Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.4	55.2
77	31.2	25.4	38.2

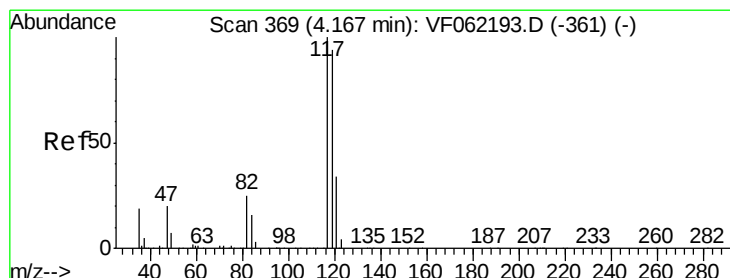
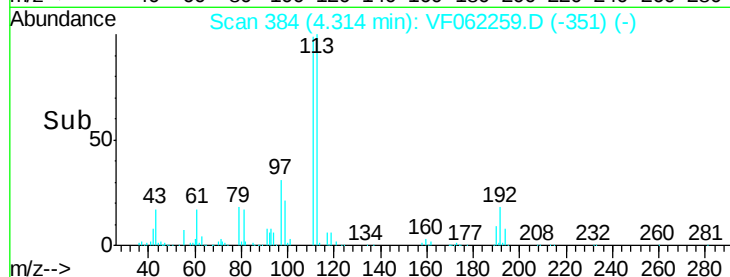
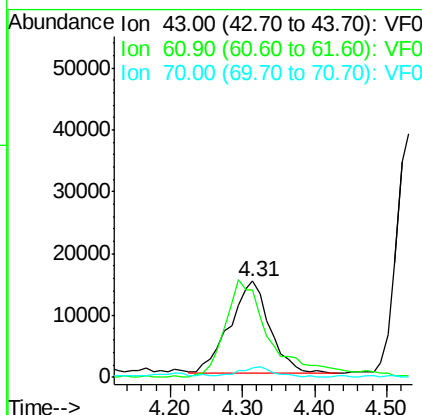
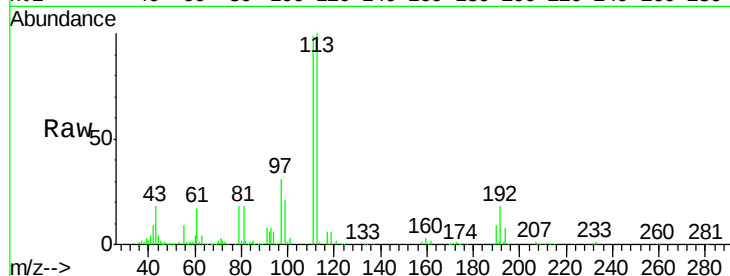




#37
Ethyl Acetate
Concen: 18.884 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.03 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

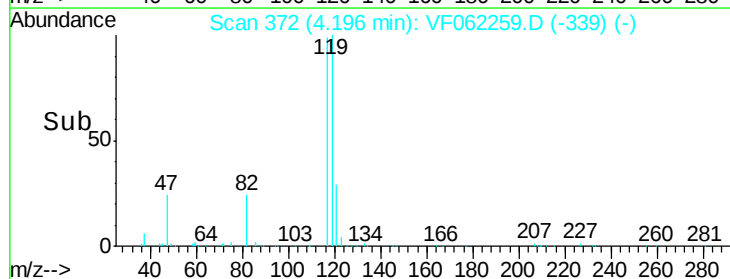
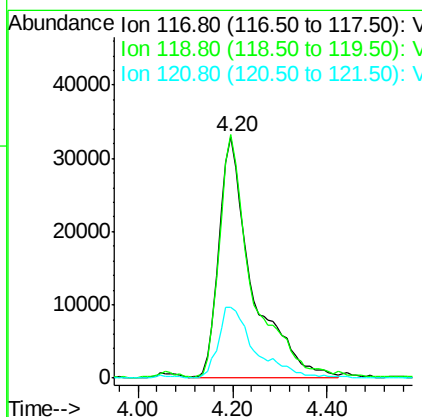
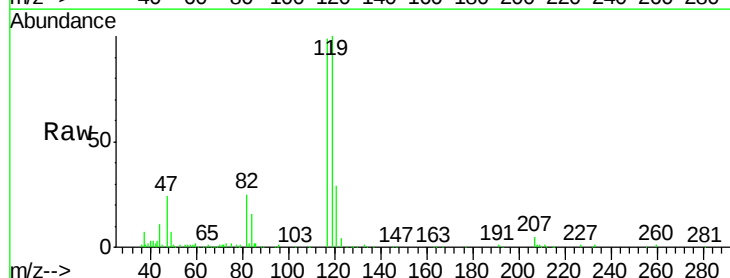
Instrument :
MSVOA_F
ClientSampleId :

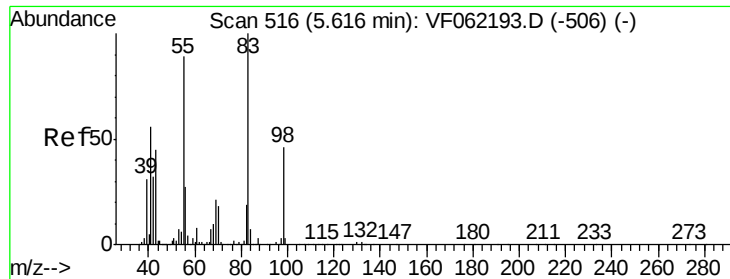
Tot Ion: 43 Resp: 57422
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 8.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 28.026 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.03 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion: 117 Resp: 159858
Ion Ratio Lower Upper
117 100
119 100.3 75.0 112.4
121 29.1 26.9 40.3

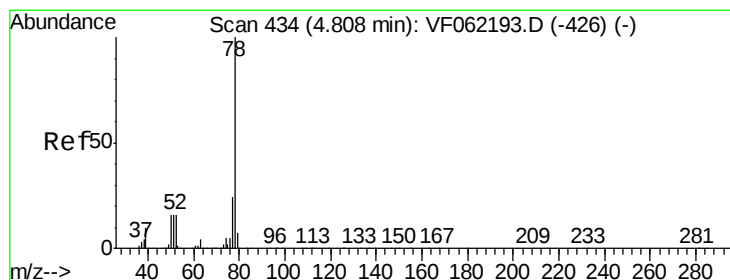
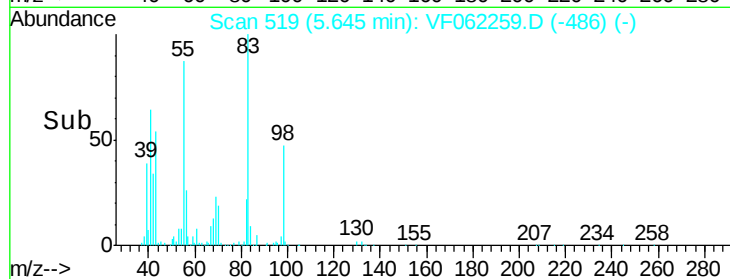
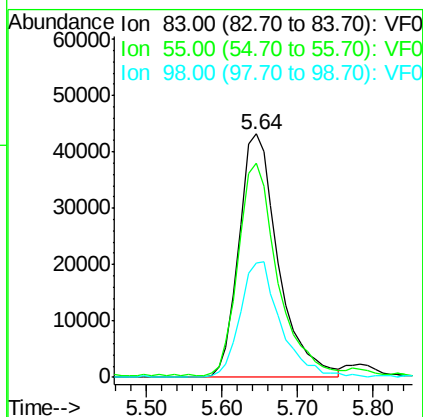
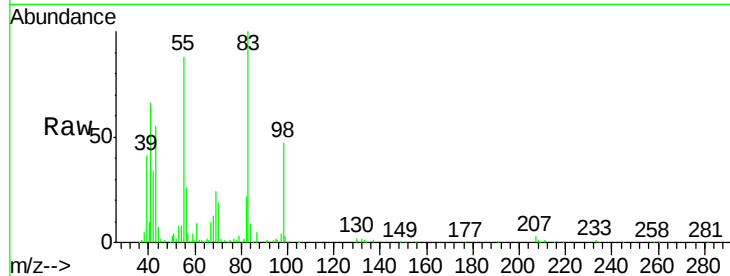




#39
Methylcyclohexane
Concen: 20.265 ug/l
RT: 5.64 min Scan# 519
Delta R.T. 0.03 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

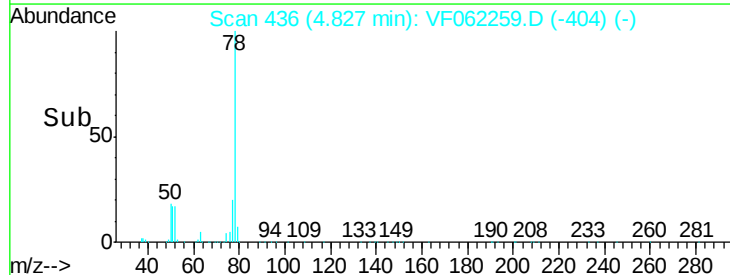
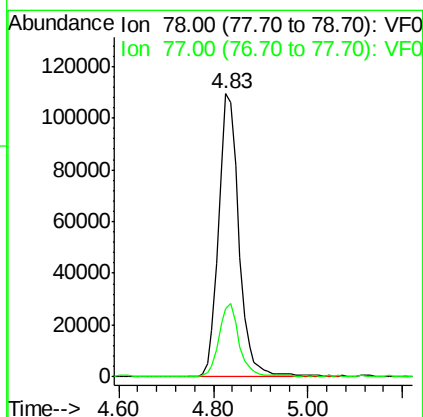
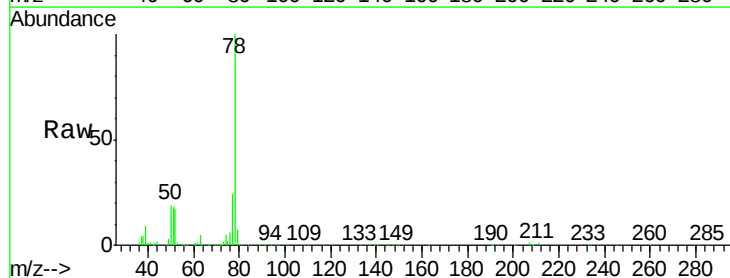
Instrument :
MSVOA_F
ClientSampleId :

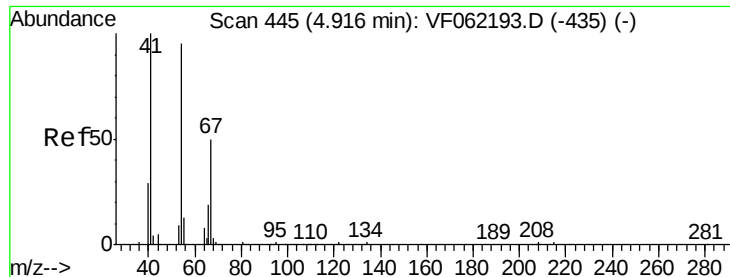
Tot Ion: 83 Resp: 156356
Ion Ratio Lower Upper
83 100
55 86.5 71.0 106.6
98 47.2 36.7 55.1



#40
Benzene
Concen: 19.423 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion: 78 Resp: 328298
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

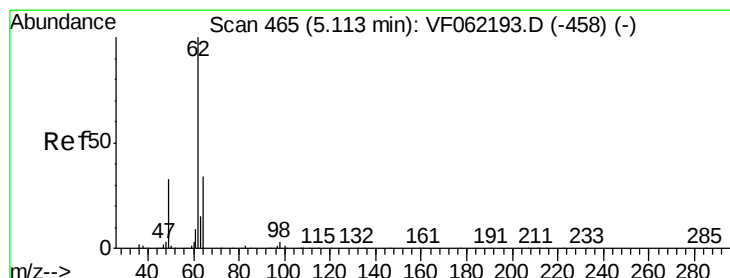
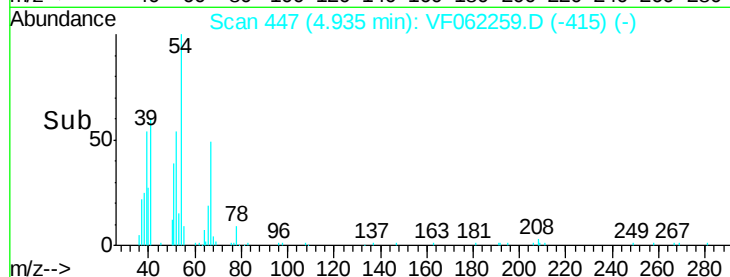
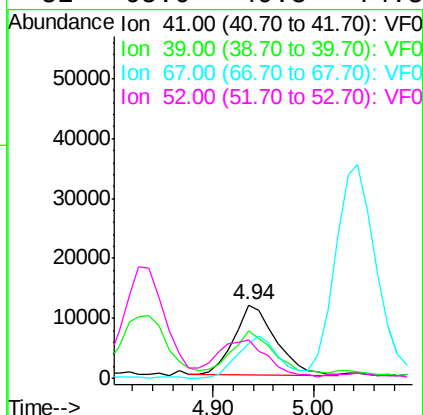
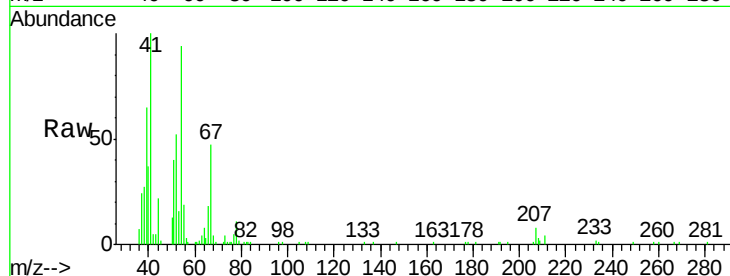




#41
Methacrylonitrile
Concen: 19.231 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

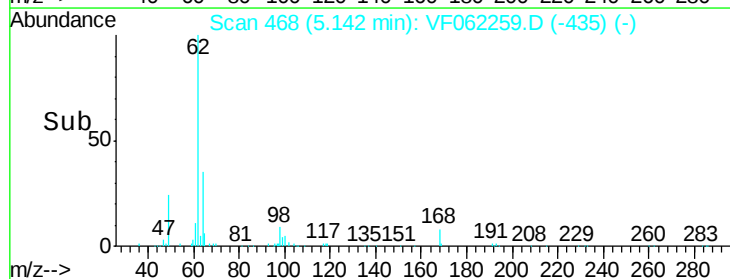
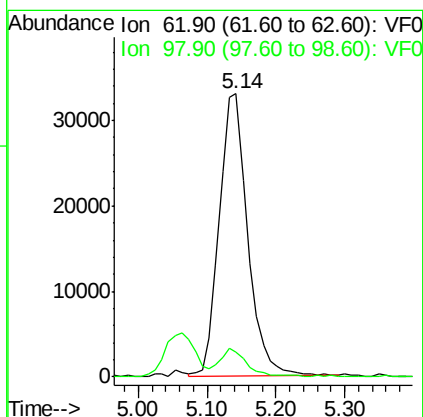
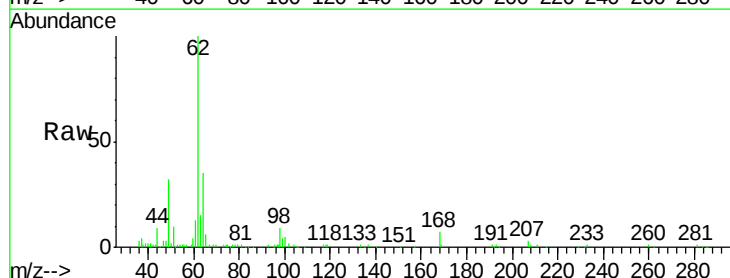
Instrument :
MSVOA_F
ClientSampleId :

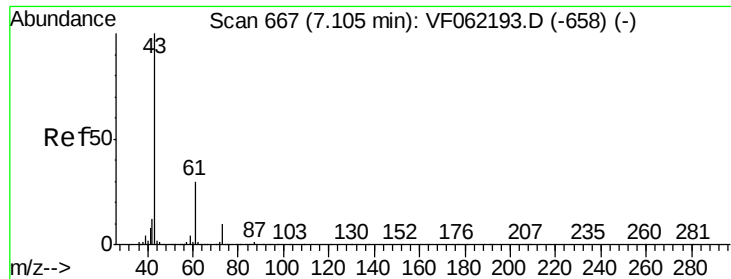
Tot Ion:	41	Resp:	33732
Ion	Ratio	Lower	Upper
41	100		
39	64.4	44.7	67.1
67	58.3	39.1	58.7
52	65.0	49.8	74.8



#42
1,2-Dichloroethane
Concen: 21.148 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.03 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion:	62	Resp:	94496
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0



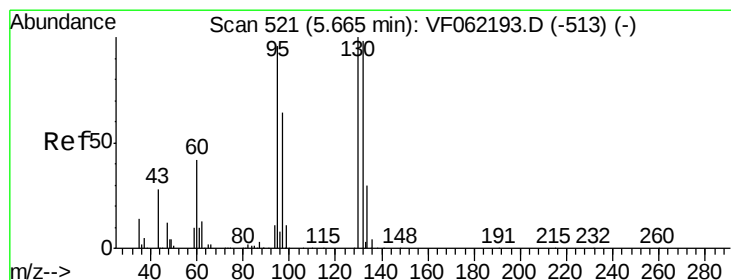
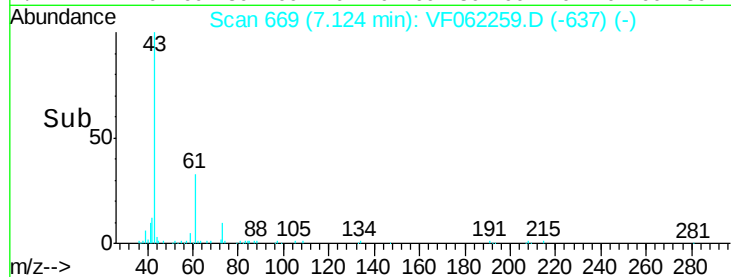
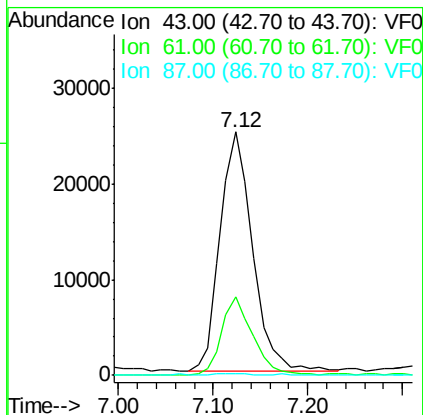
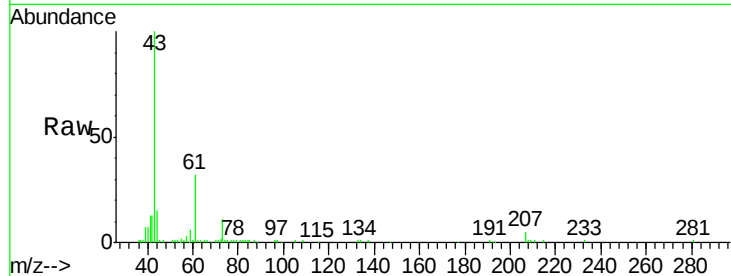


#43

Isopropyl Acetate
 Concen: 18.860 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Instrument :
 MSVOA_F
 ClientSampleId :

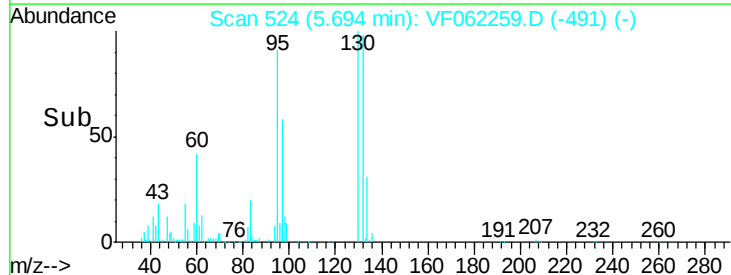
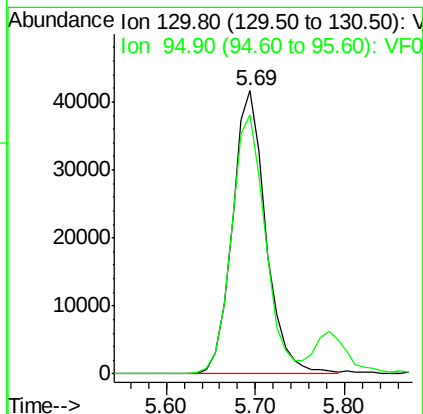
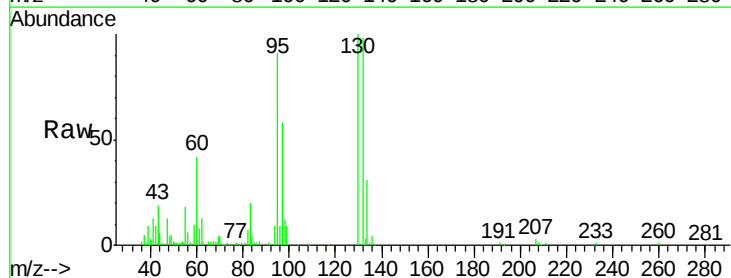
Tot Ion: 43 Resp: 60318
 Ion Ratio Lower Upper
 43 100
 61 31.0 24.4 36.6
 87 0.7 0.4 0.6#

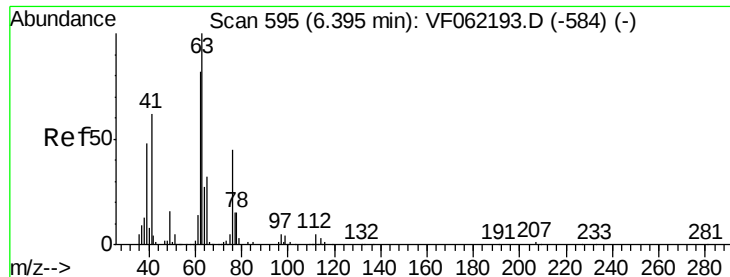


#44

Trichloroethene
 Concen: 23.822 ug/l
 RT: 5.69 min Scan# 524
 Delta R.T. 0.03 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Tgt Ion:130 Resp: 108805
 Ion Ratio Lower Upper
 130 100
 95 91.0 0.0 191.4





#45

1,2-Dichloropropane

Concen: 20.533 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

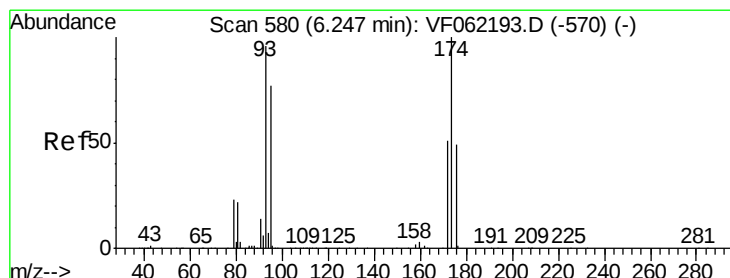
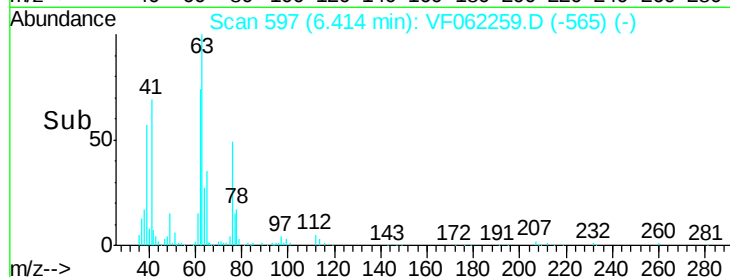
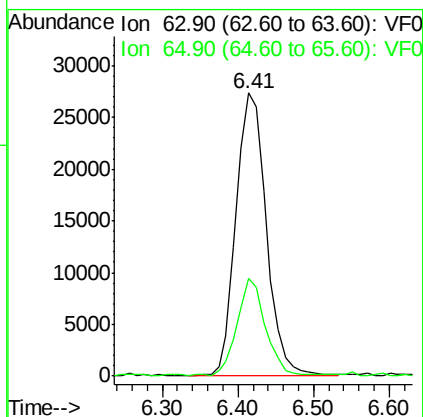
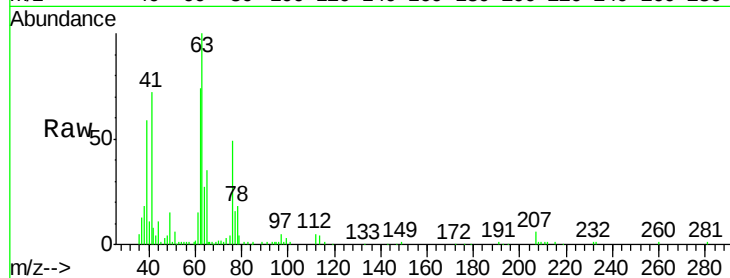
ClientSampleId :

Tot Ion: 63 Resp: 76449

Ion Ratio Lower Upper

63 100

65 34.5 25.9 38.9



#46

Dibromomethane

Concen: 22.467 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

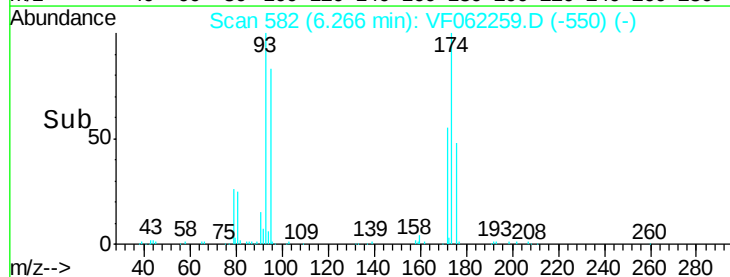
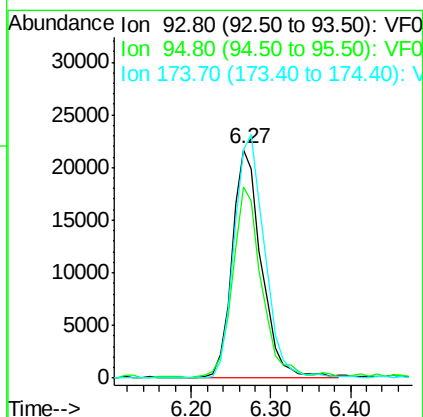
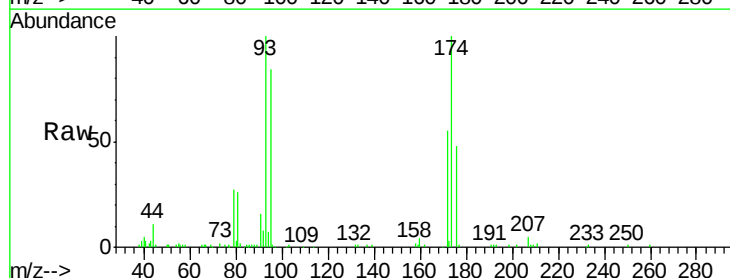
Tgt Ion: 93 Resp: 55653

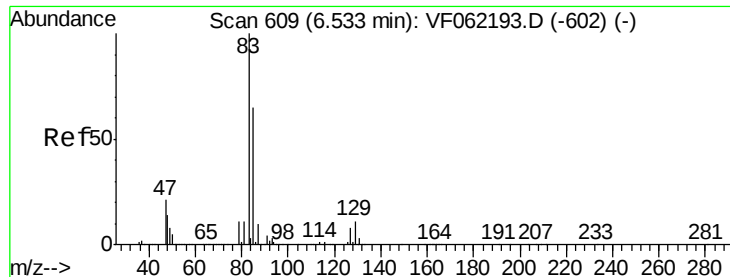
Ion Ratio Lower Upper

93 100

95 82.7 65.1 97.7

174 110.3 81.8 122.6





#47

Bromodichloromethane

Concen: 22.749 ug/l

RT: 6.56 min Scan# 612

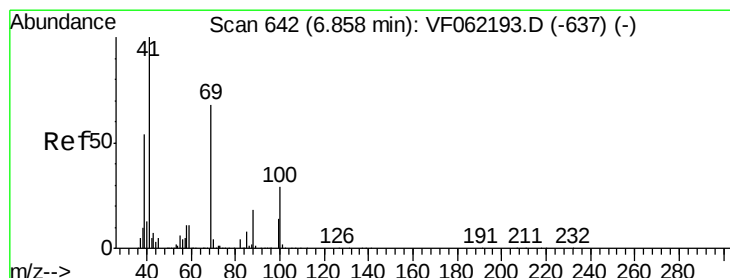
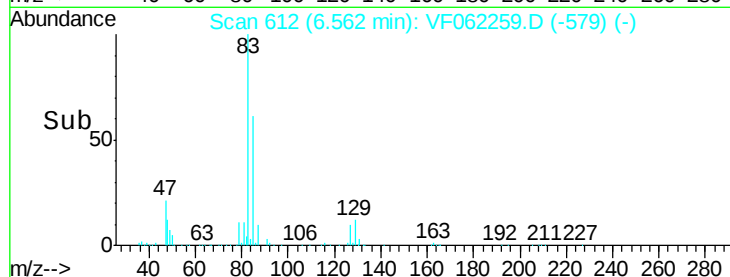
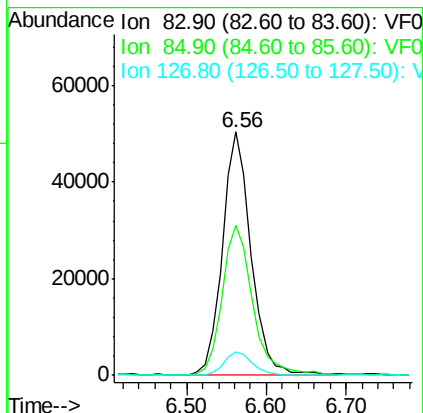
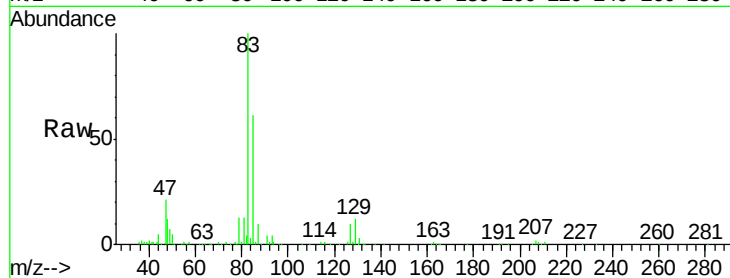
Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	127164
Ion	Ratio	Lower	Upper
83	100		
85	61.2	52.2	78.4
127	9.5	6.7	10.1



#48

Methyl methacrylate

Concen: 19.244 ug/l

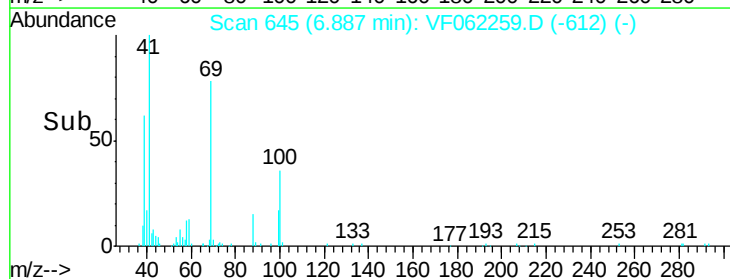
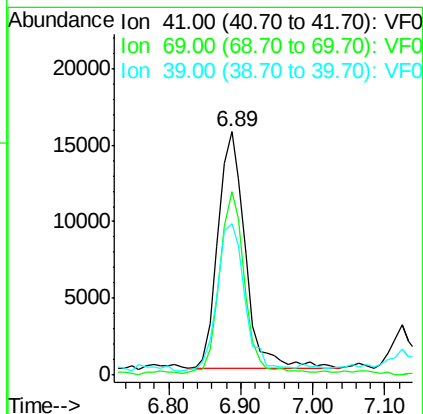
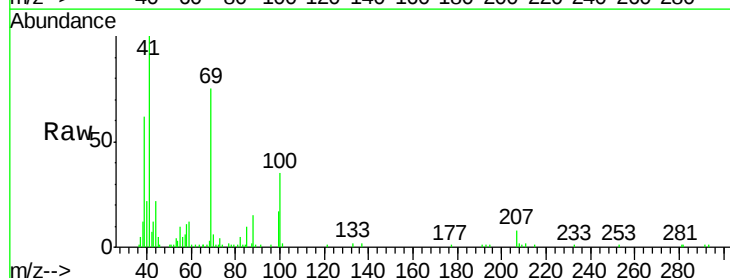
RT: 6.89 min Scan# 645

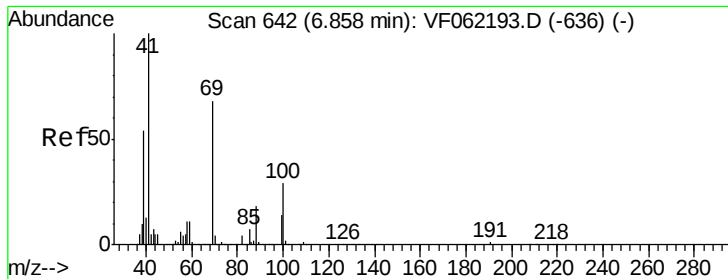
Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Tgt Ion:	41	Resp:	40447
Ion	Ratio	Lower	Upper
41	100		
69	70.3	54.9	82.3
39	63.1	43.6	65.4





#49

1,4-Dioxane

Concen: 429.090 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :

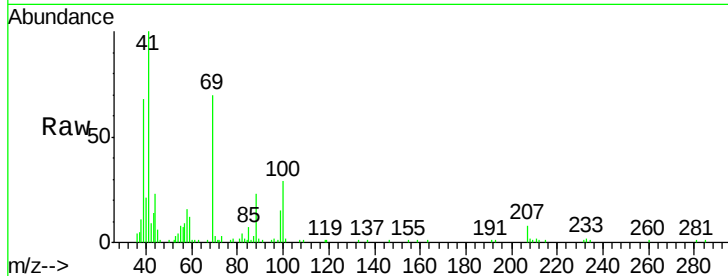
Tot Ion: 88 Resp: 10343

Ion Ratio Lower Upper

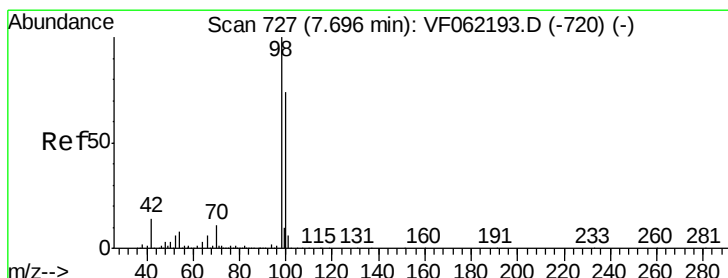
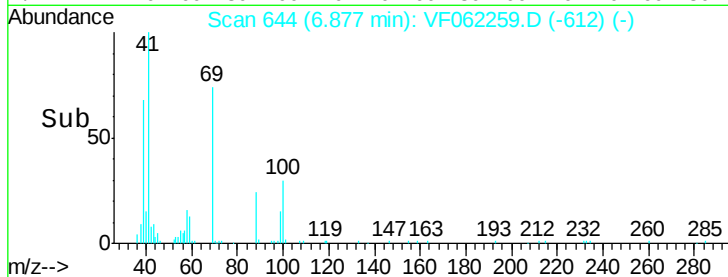
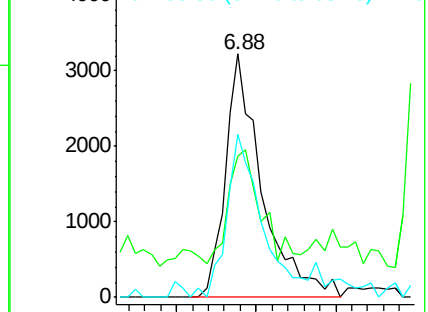
88 100

43 41.9 36.9 55.3

58 64.7 56.8 85.2



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 429.090 ug/l

RT: 7.71 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062259.D

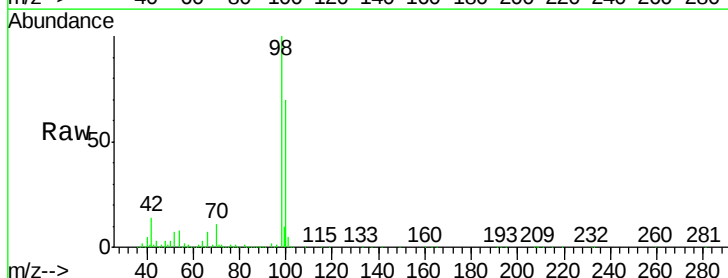
Acq: 23 Apr 2019 13:01

Tgt Ion: 98 Resp: 655601

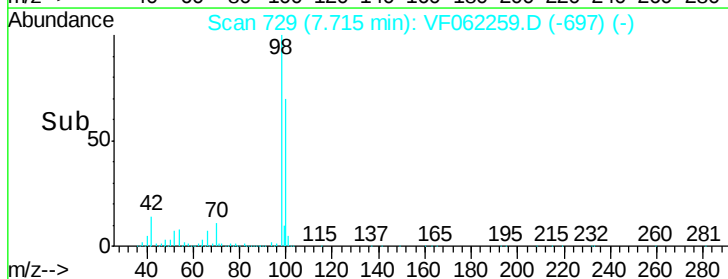
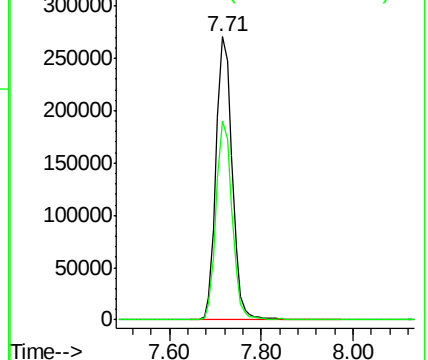
Ion Ratio Lower Upper

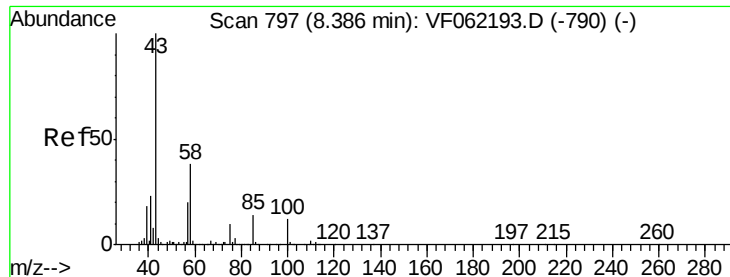
98 100

100 69.0 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 103.703 ug/l

RT: 8.41 min Scan# 800

Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

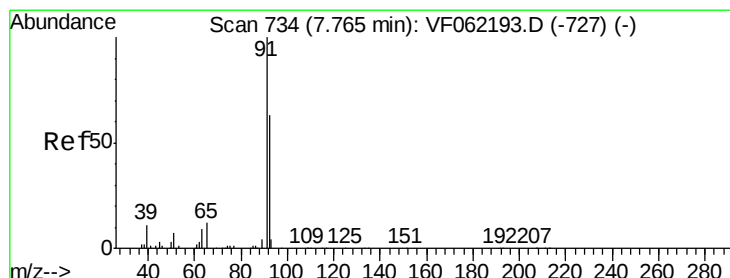
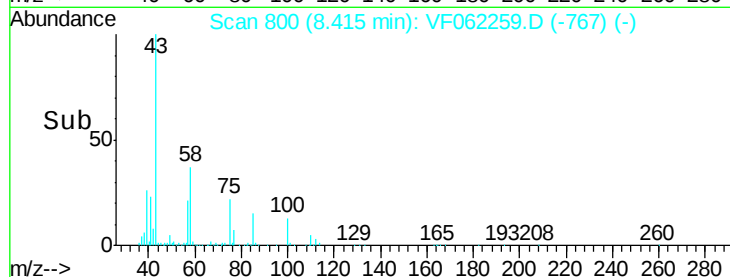
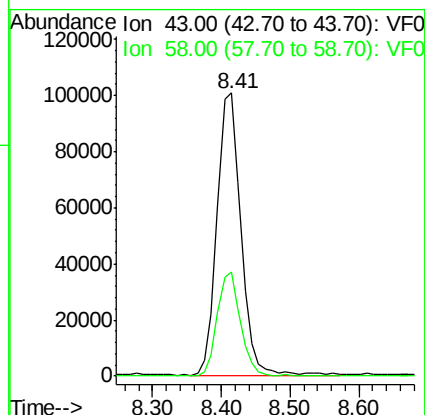
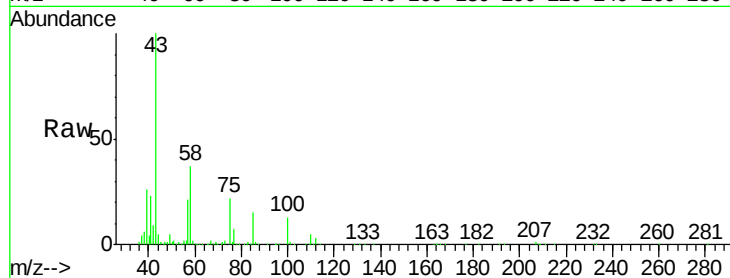
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 246686

Ion Ratio Lower Upper

43 100

58 35.4 29.3 43.9



#52

Toluene

Concen: 21.307 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062259.D

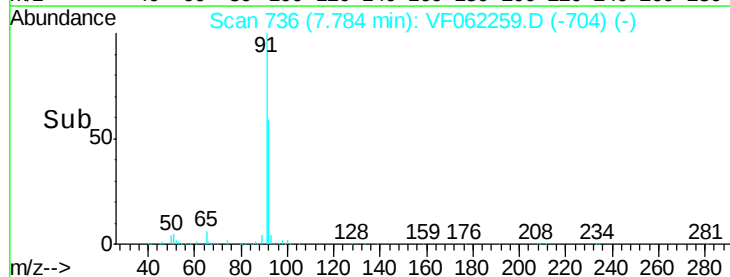
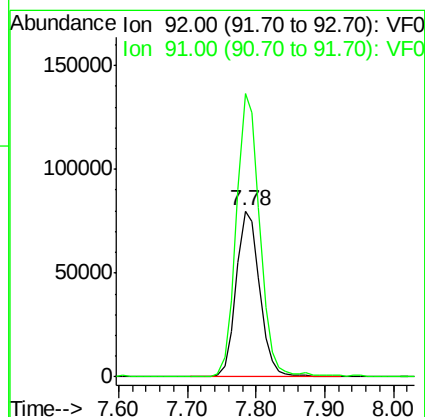
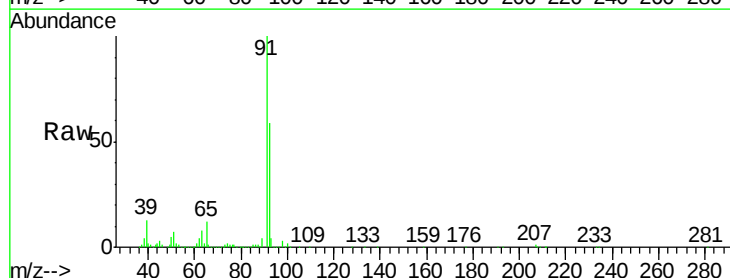
Acq: 23 Apr 2019 13:01

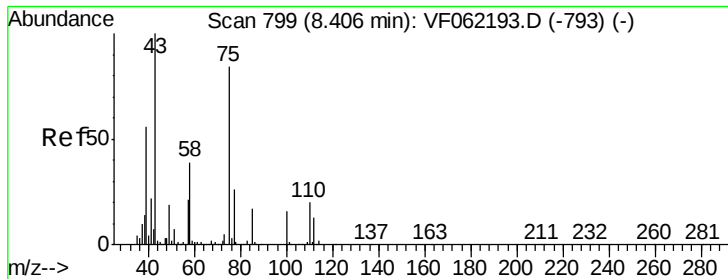
Tgt Ion: 92 Resp: 189839

Ion Ratio Lower Upper

92 100

91 169.9 130.1 195.1





#53

t-1,3-Dichloropropene

Concen: 23.295 ug/l

RT: 8.43 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

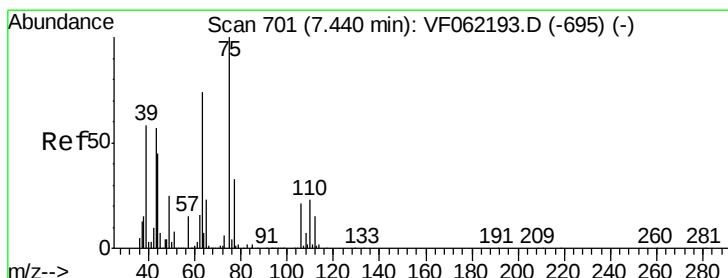
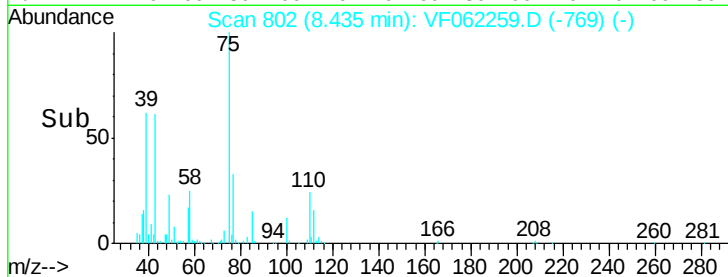
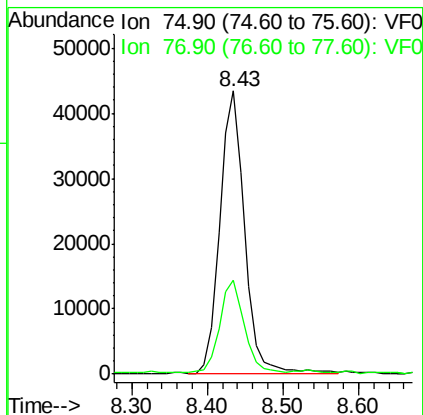
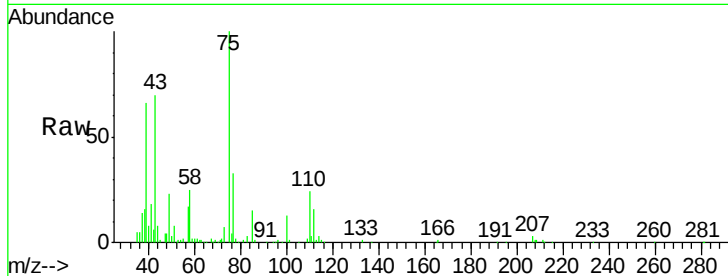
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 97803

Ion Ratio Lower Upper

75 100

77 32.7 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 22.027 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

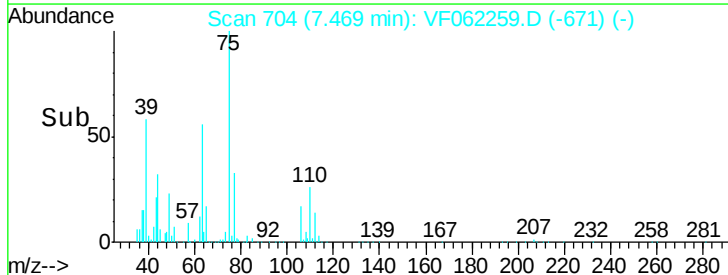
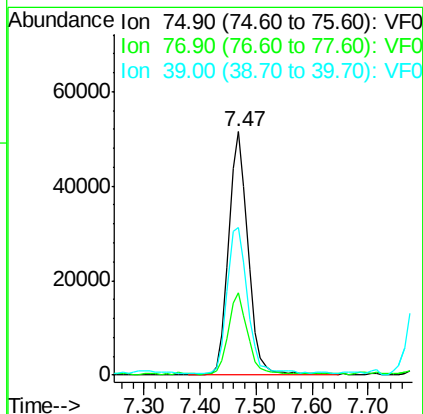
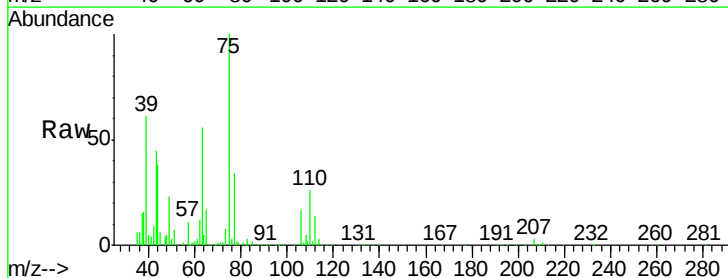
Tgt Ion: 75 Resp: 125094

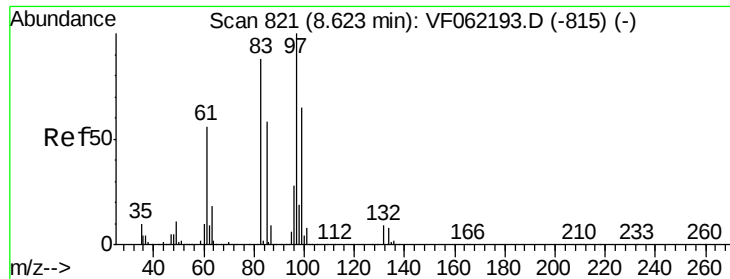
Ion Ratio Lower Upper

75 100

77 33.3 26.4 39.6

39 60.0 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 22.509 ug/l

RT: 8.64 min Scan# 823

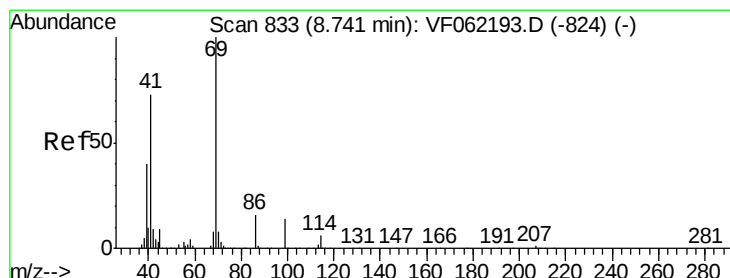
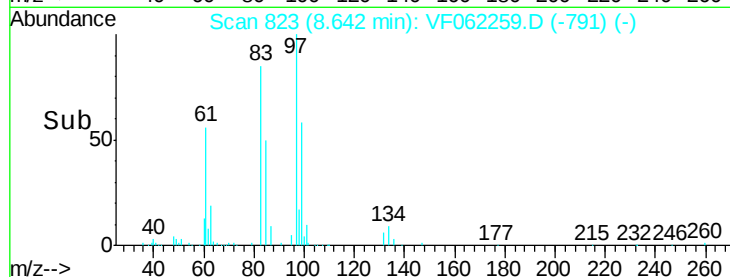
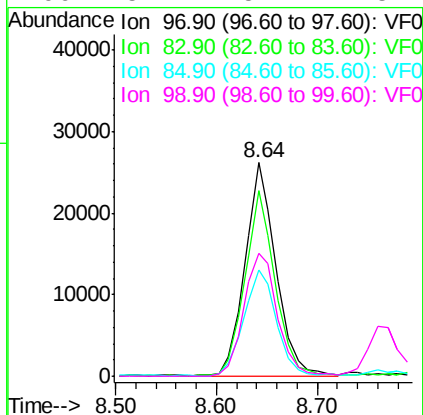
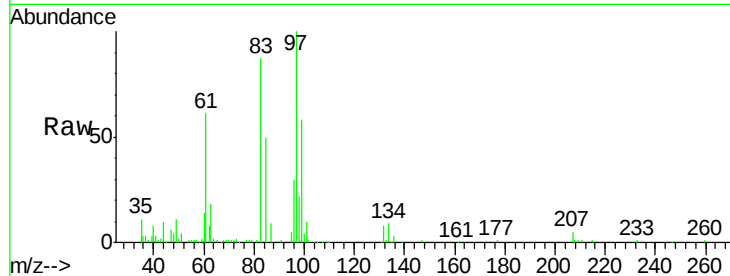
Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	56182
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.2	105.2
85	49.2	46.2	69.4
99	57.7	52.2	78.4



#56

Ethyl methacrylate

Concen: 21.866 ug/l

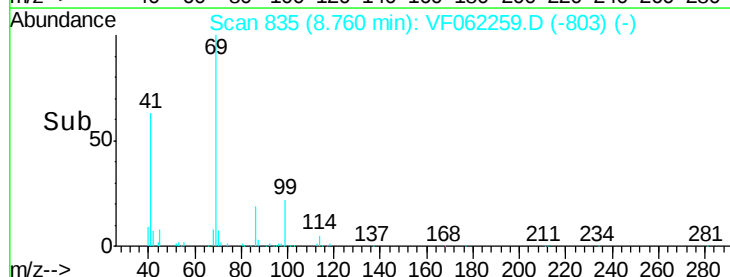
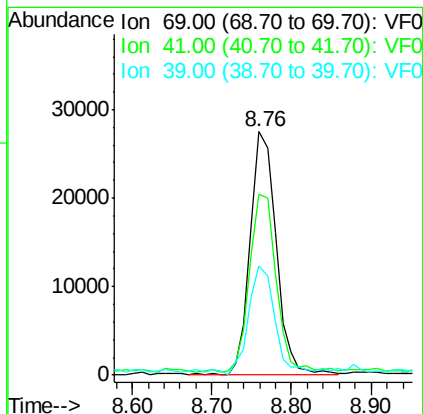
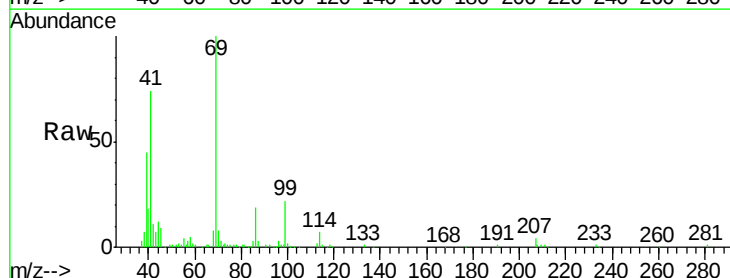
RT: 8.76 min Scan# 835

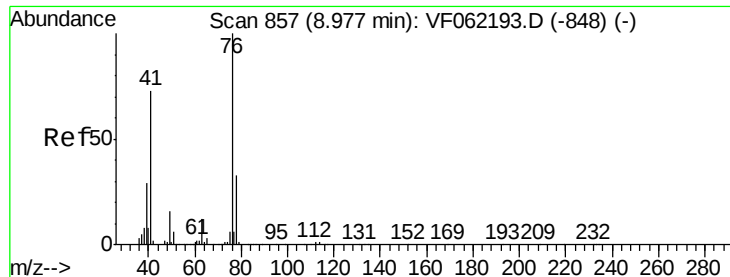
Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Tgt Ion:	69	Resp:	62050
Ion	Ratio	Lower	Upper
69	100		
41	74.7	61.5	92.3
39	45.2	33.3	49.9





#57

1,3-Dichloropropane

Concen: 21.223 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

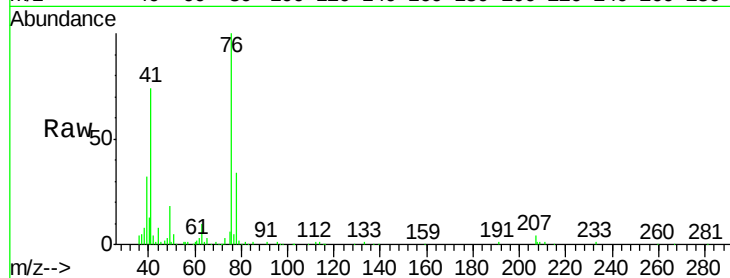
ClientSampleId :

Tot Ion: 76 Resp: 85538

Ion Ratio Lower Upper

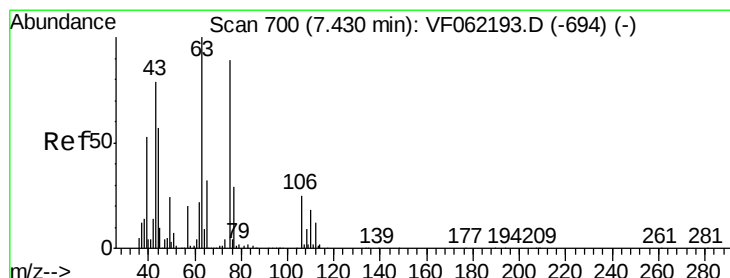
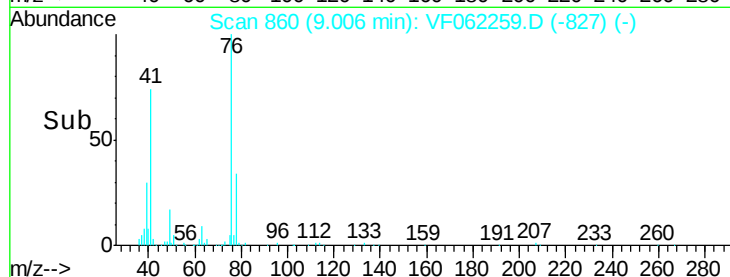
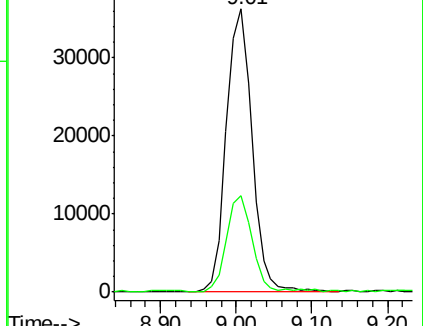
76 100

78 34.0 26.5 39.7



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 101.467 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.03 min

Lab File: VF062259.D

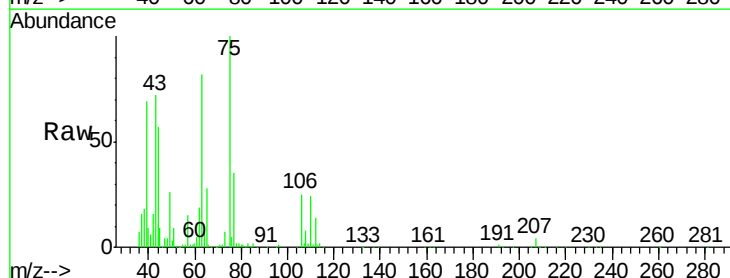
Acq: 23 Apr 2019 13:01

Tgt Ion: 63 Resp: 83599

Ion Ratio Lower Upper

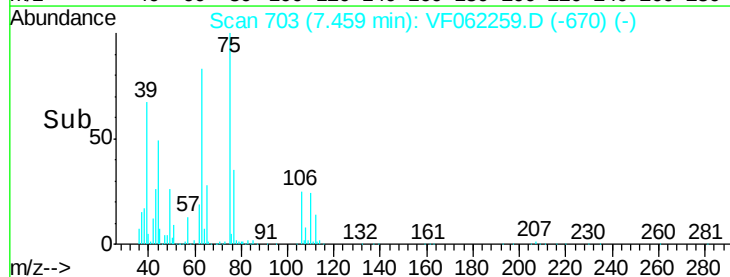
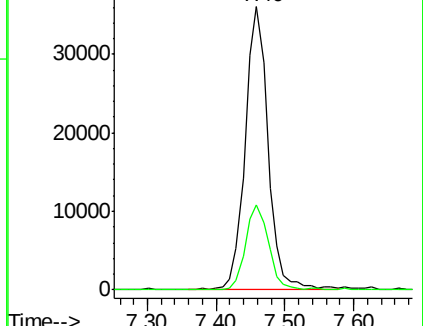
63 100

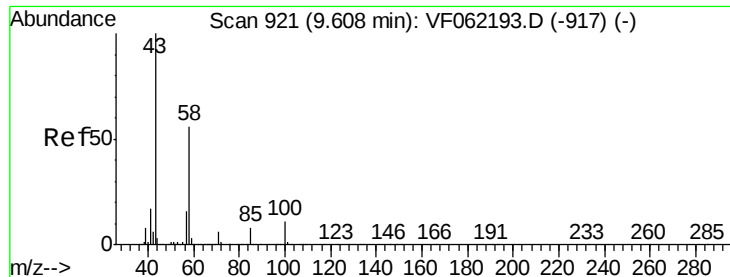
106 30.0 21.4 32.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

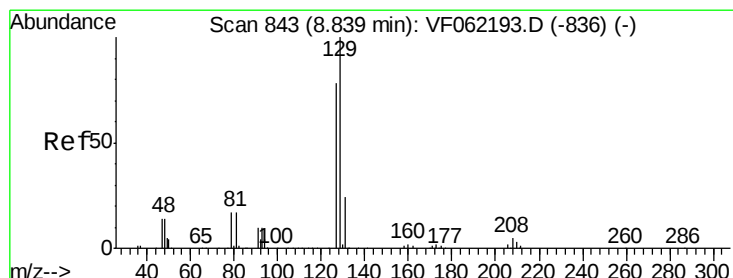
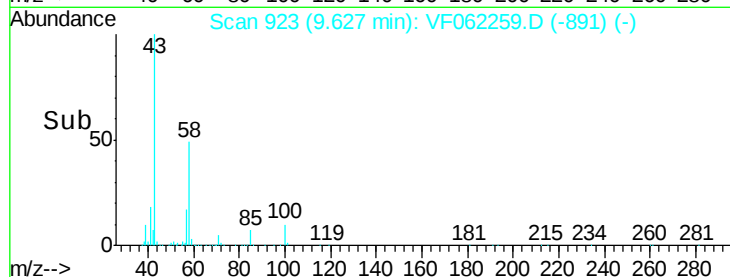
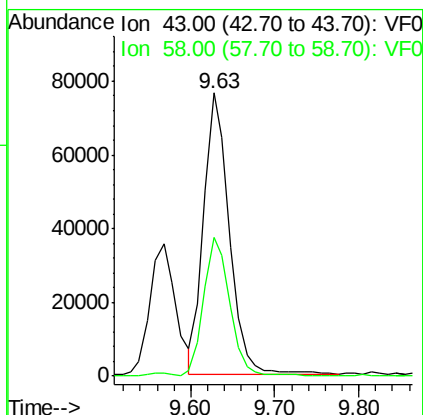
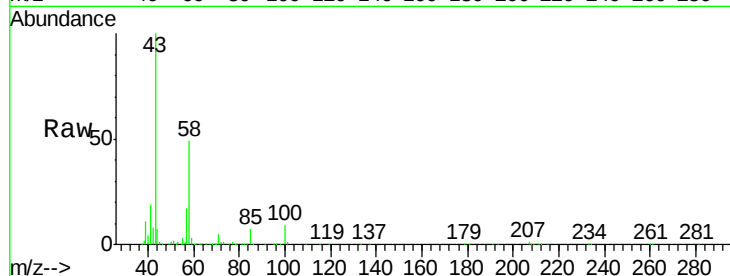




#59
2-Hexanone
Concen: 108.539 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

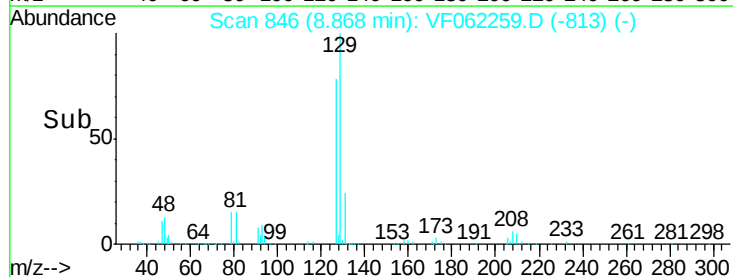
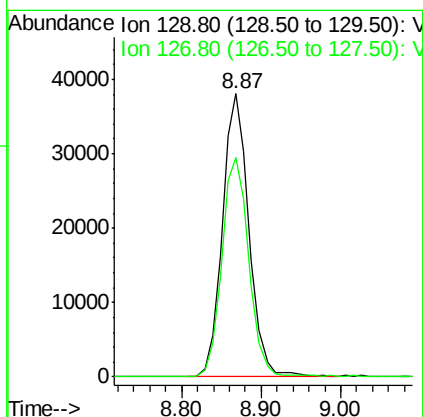
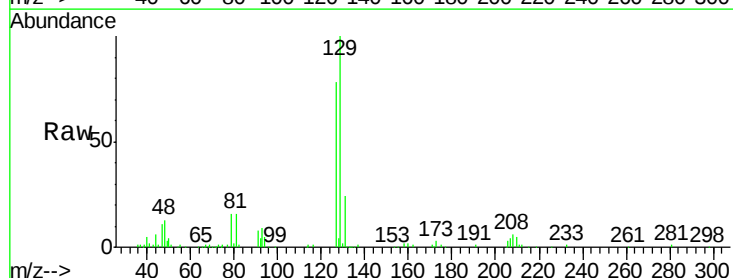
Instrument :
MSVOA_F
ClientSampleId :

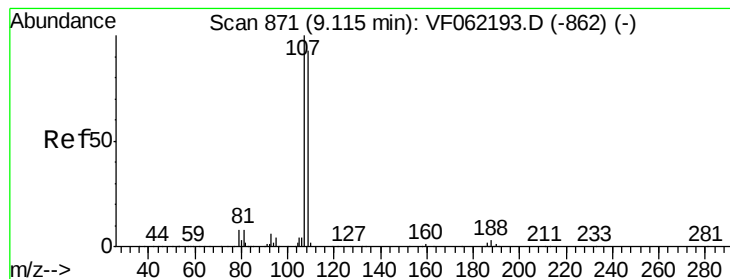
Tot Ion: 43 Resp: 160891
Ion Ratio Lower Upper
43 100
58 50.3 24.6 74.0



#60
Dibromochloromethane
Concen: 23.983 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.03 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion: 129 Resp: 89024
Ion Ratio Lower Upper
129 100
127 78.8 39.0 117.0





#61

1,2-Dibromoethane

Concen: 23.130 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

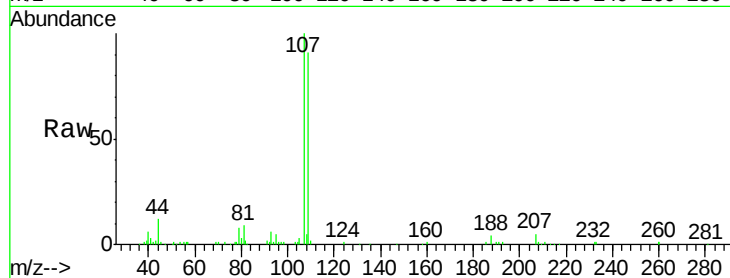
ClientSampleId :

Tot Ion:107 Resp: 65042

Ion Ratio Lower Upper

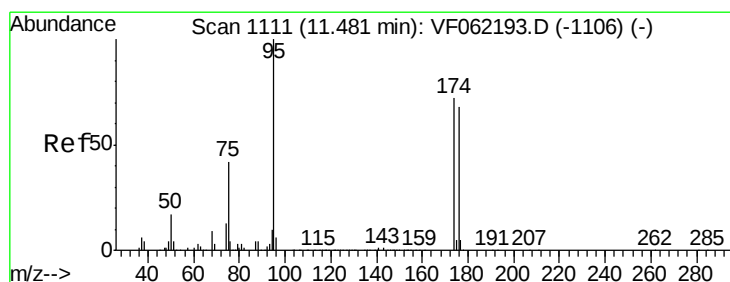
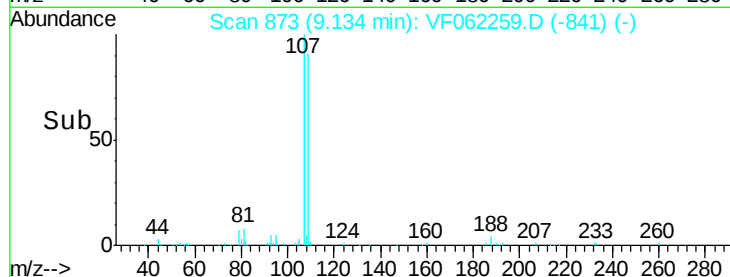
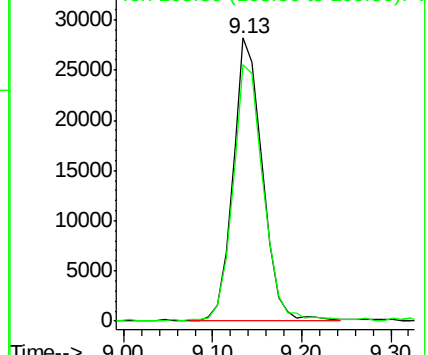
107 100

109 94.7 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 23.130 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

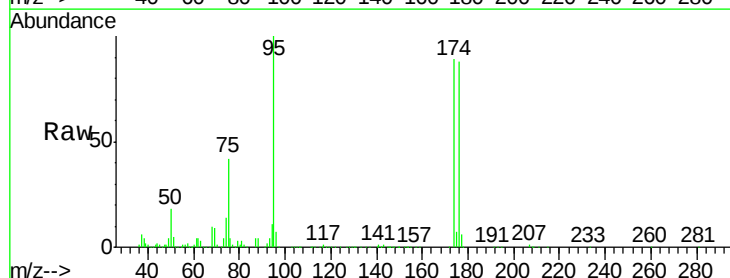
Tgt Ion: 95 Resp: 277286

Ion Ratio Lower Upper

95 100

174 91.2 0.0 159.4

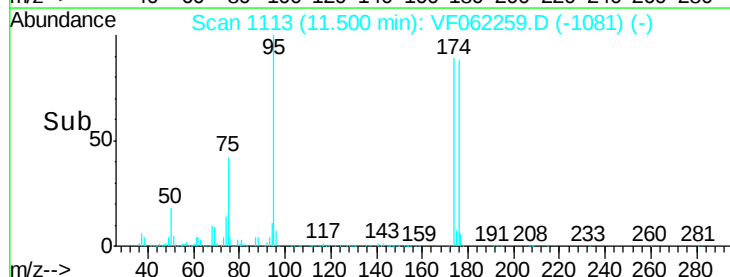
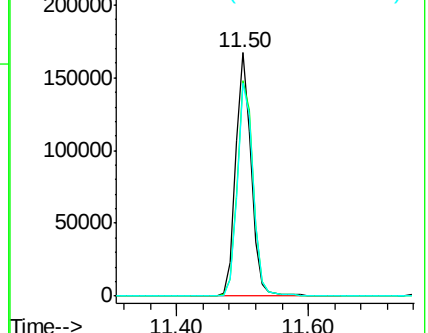
176 89.7 0.0 155.4

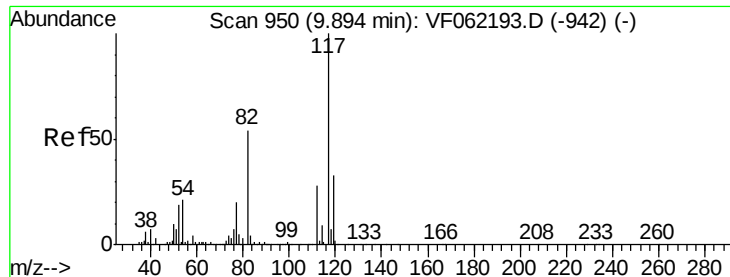


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

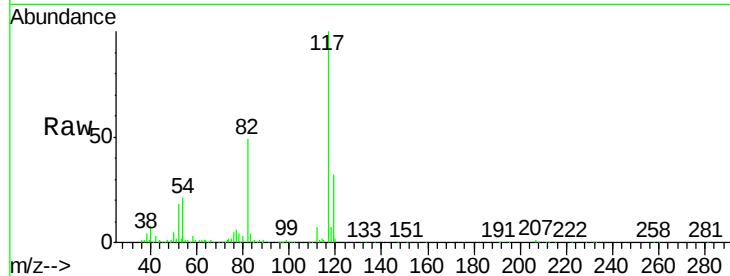




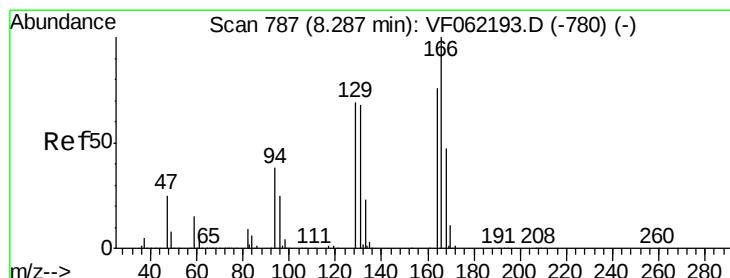
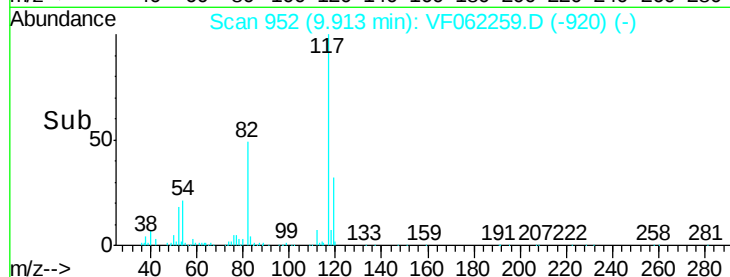
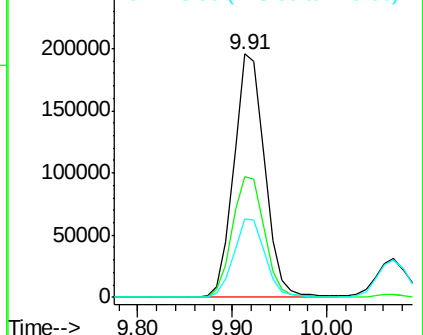
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	43.2	64.8
119	32.3	26.2	39.4



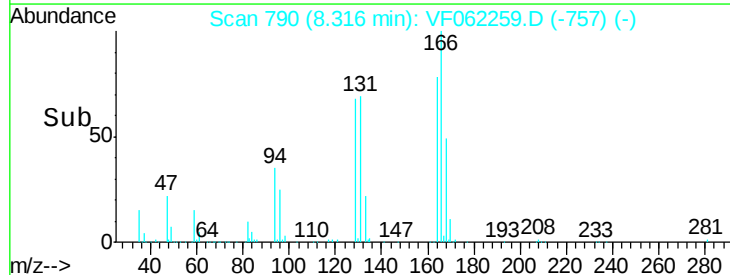
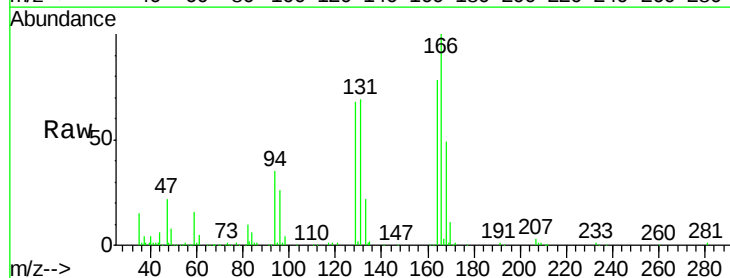
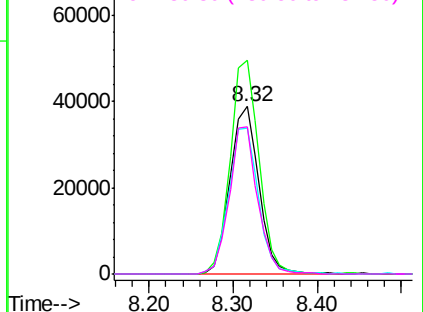
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

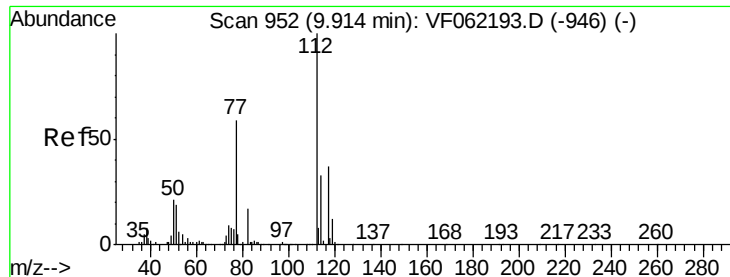


#64
Tetrachloroethene
Concen: 23.339 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.03 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	104.7	157.1
129	87.1	72.6	109.0
131	87.6	71.6	107.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.939 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

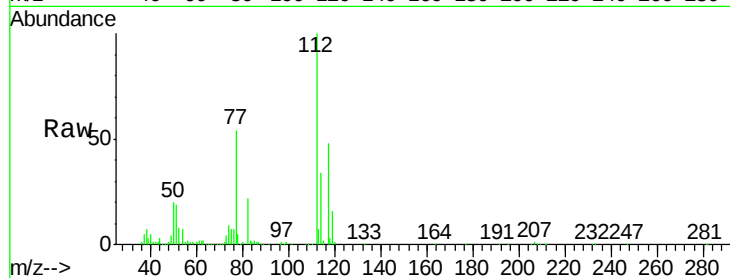
ClientSampleId :

Tot Ion:112 Resp: 206687

Ion Ratio Lower Upper

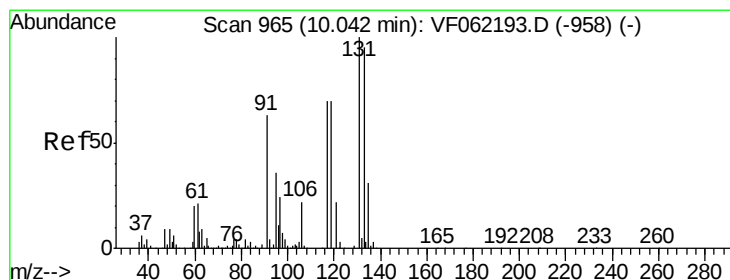
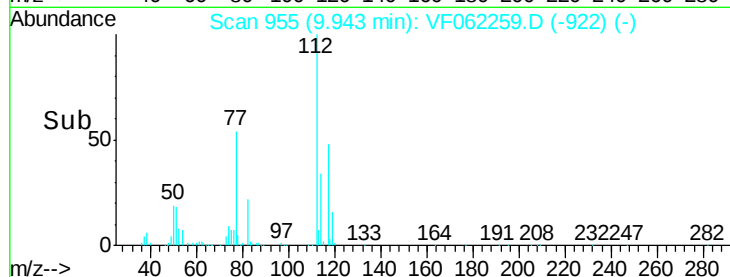
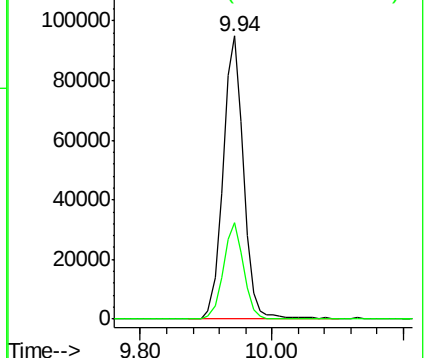
112 100

114 34.0 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.349 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

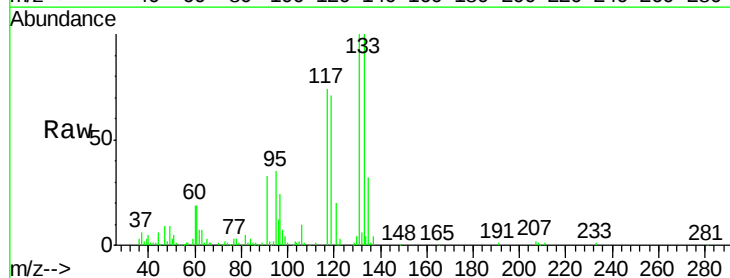
Tgt Ion:131 Resp: 98601

Ion Ratio Lower Upper

131 100

133 95.7 47.7 143.1

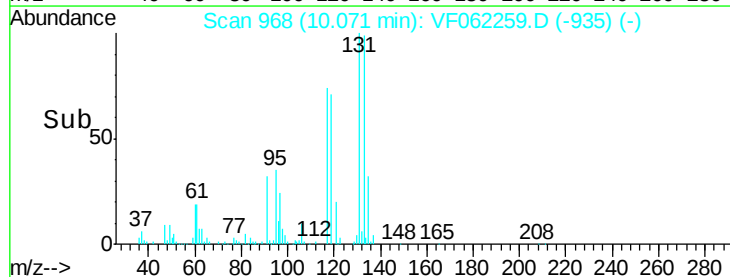
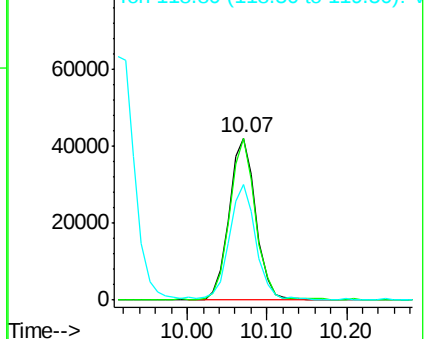
119 70.1 34.6 103.9

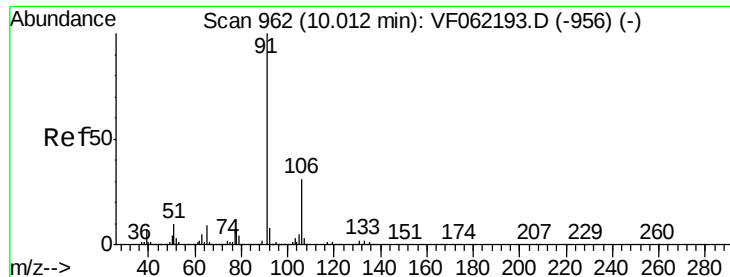


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.654 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.03 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

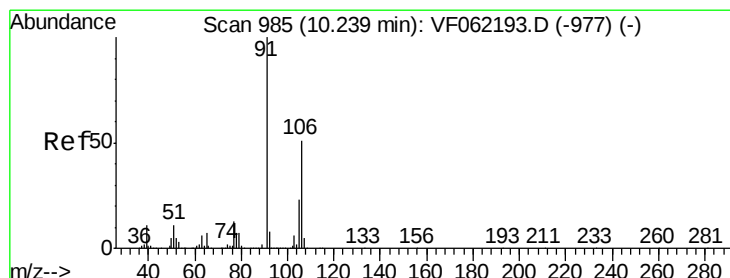
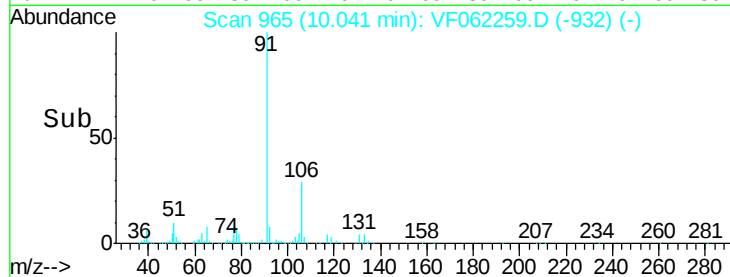
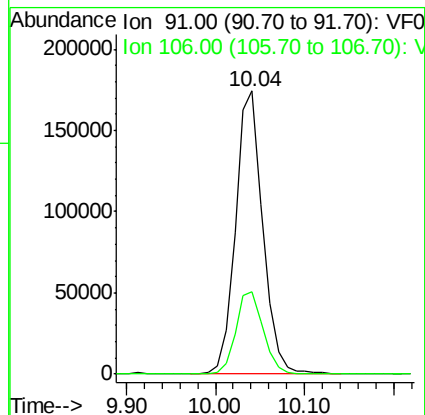
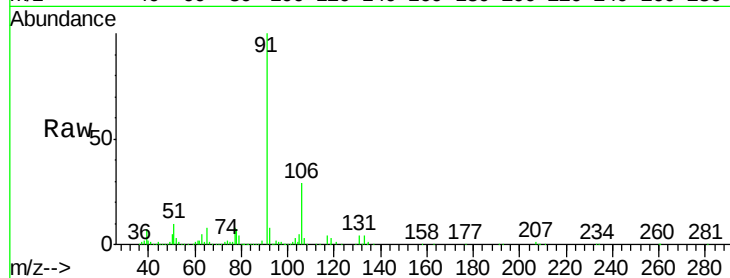
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 370969

Ion Ratio Lower Upper

91 100

106 28.9 24.9 37.3



#68

m/p-Xylenes

Concen: 45.531 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.03 min

Lab File: VF062259.D

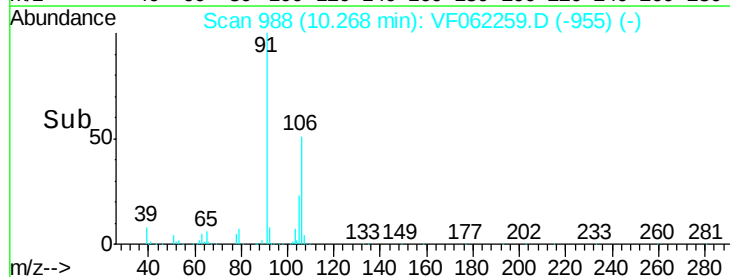
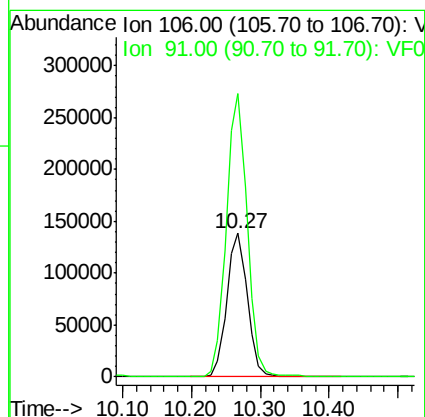
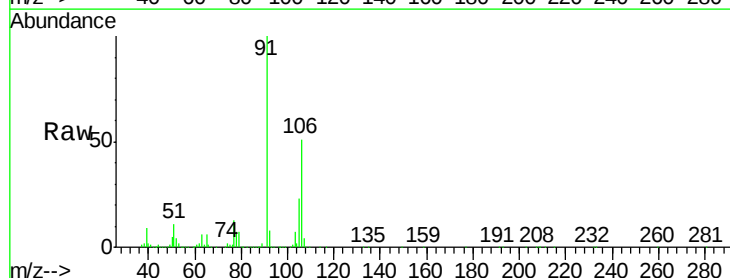
Acq: 23 Apr 2019 13:01

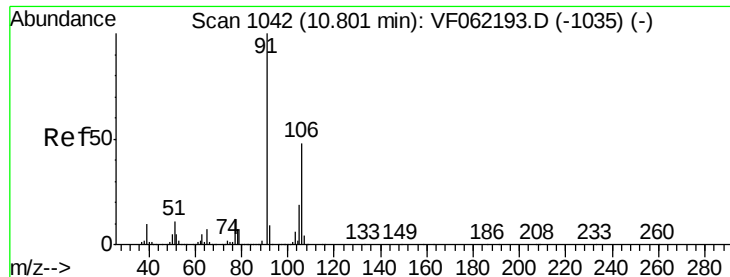
Tgt Ion:106 Resp: 287138

Ion Ratio Lower Upper

106 100

91 198.8 159.1 238.7

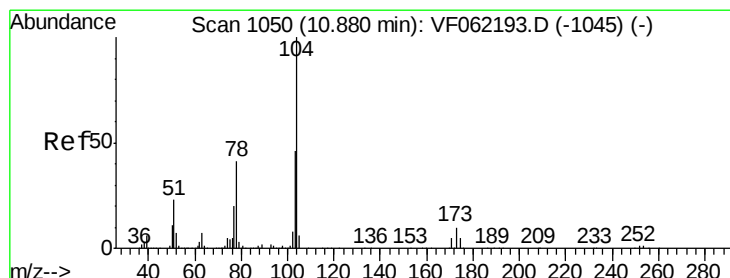
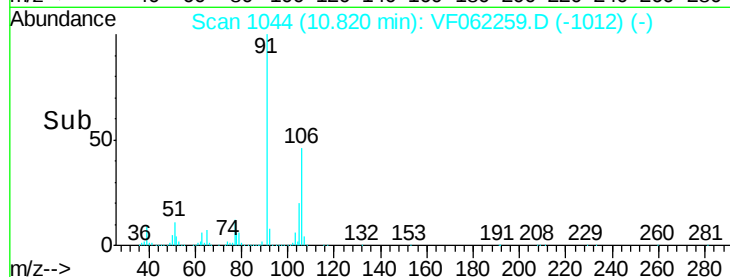
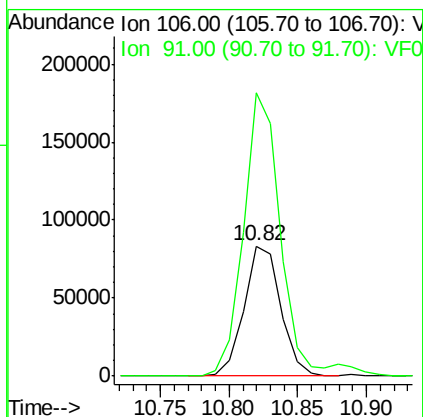
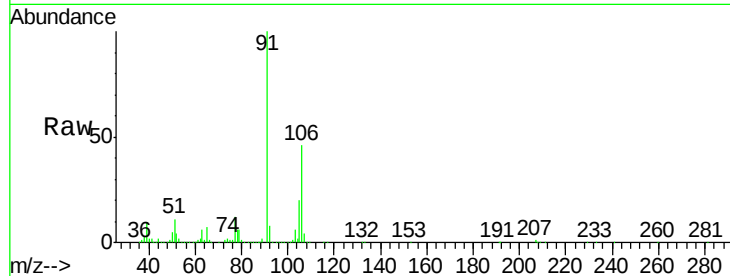




#69
o-Xylene
Concen: 22.295 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

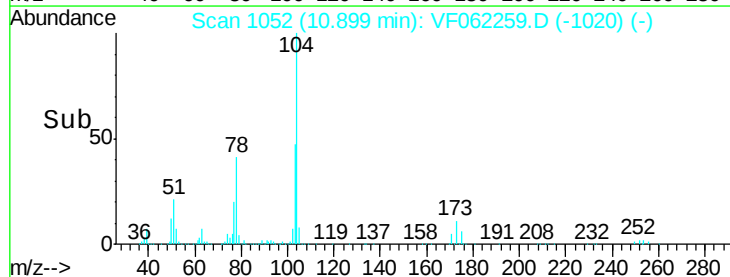
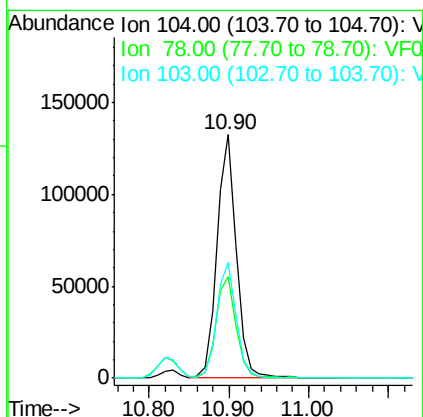
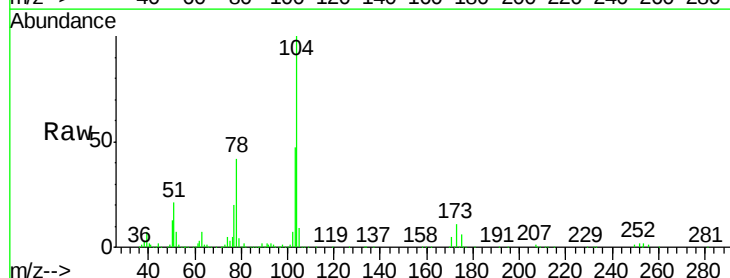
Instrument :
MSVOA_F
ClientSampleId :

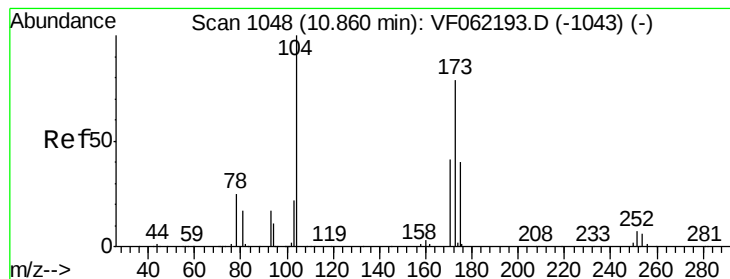
Tot Ion:106 Resp: 156104
Ion Ratio Lower Upper
106 100
91 214.1 107.5 322.4



#70
Styrene
Concen: 22.906 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion:104 Resp: 226335
Ion Ratio Lower Upper
104 100
78 42.9 34.5 51.7
103 48.1 37.2 55.8





#71

Bromoform

Concen: 24.500 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

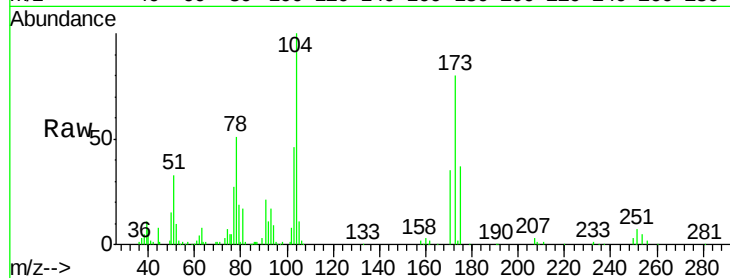
Tot Ion:173 Resp: 57071

Ion Ratio Lower Upper

173 100

175 48.3 24.5 73.5

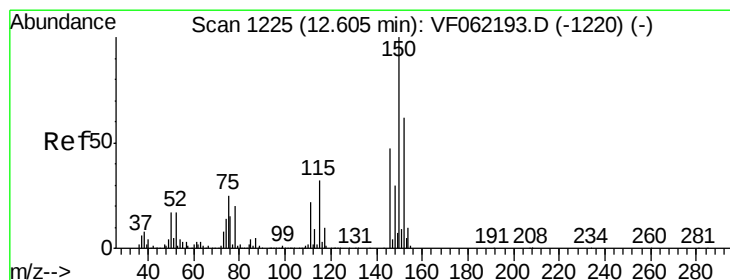
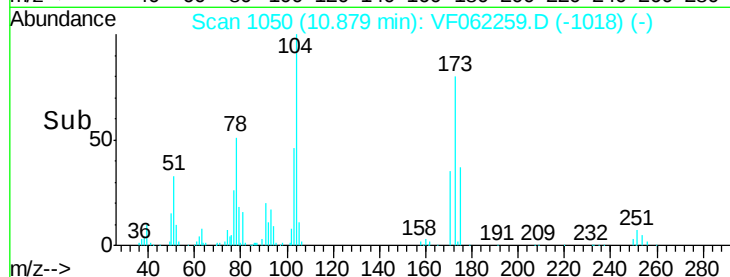
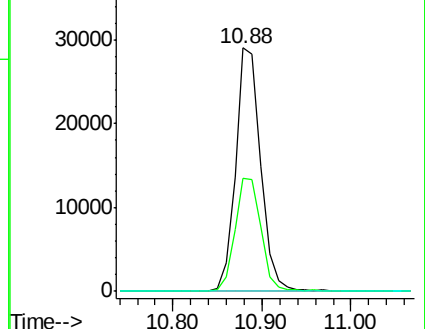
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

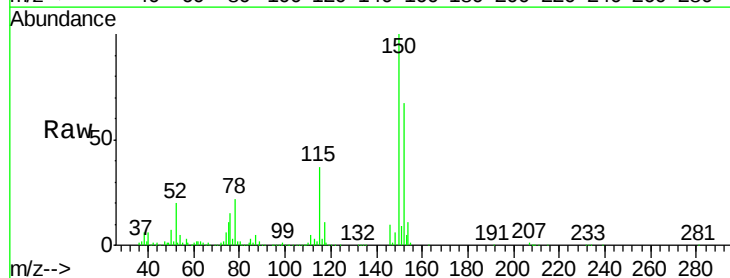
Tgt Ion:152 Resp: 271384

Ion Ratio Lower Upper

152 100

115 52.8 27.8 83.3

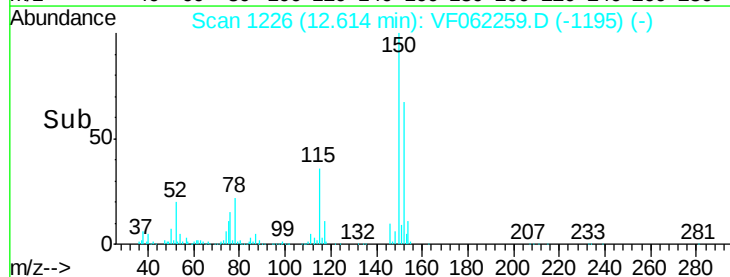
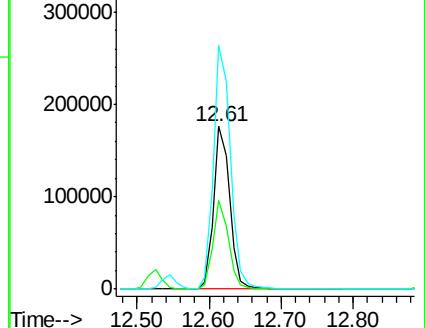
150 157.7 0.0 341.8

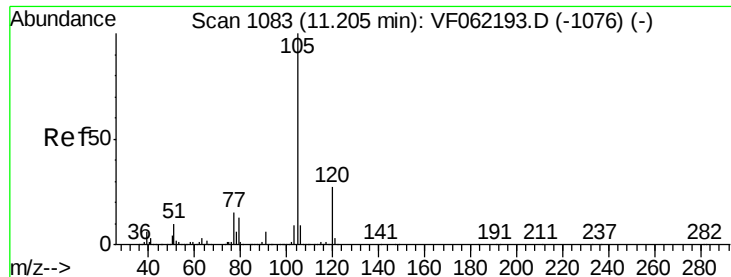


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.144 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

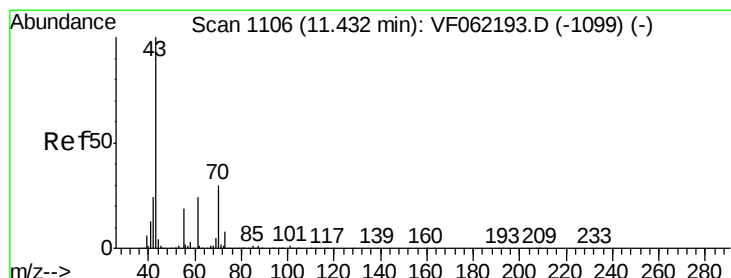
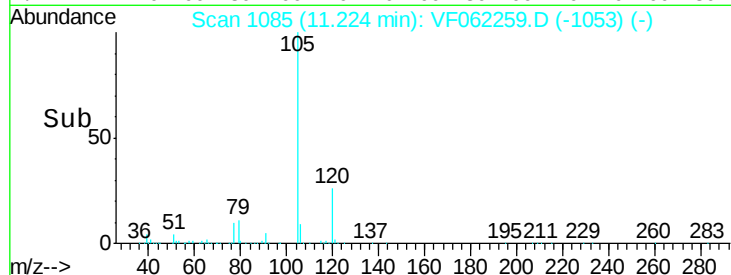
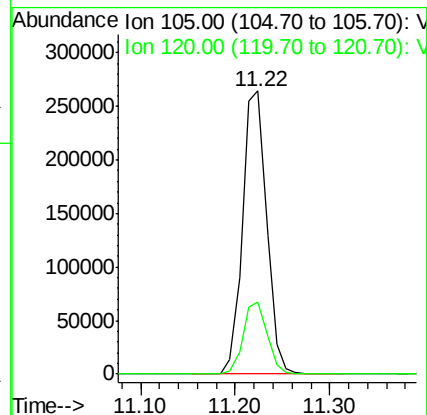
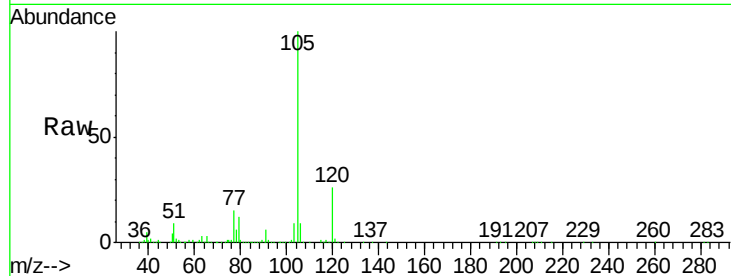
ClientSampleId :

Tot Ion:105 Resp: 469587

Ion Ratio Lower Upper

105 100

120 25.5 13.0 38.9



#74

N-ethyl acetate

Concen: 16.449 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Tgt Ion: 43 Resp: 99135

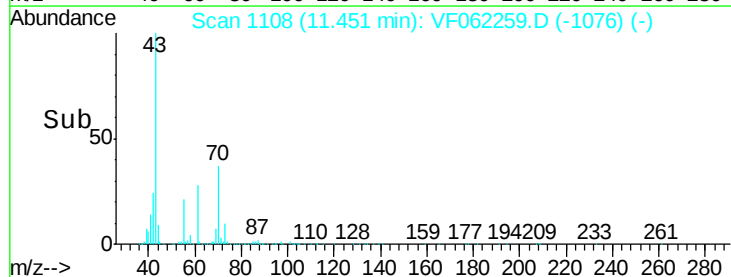
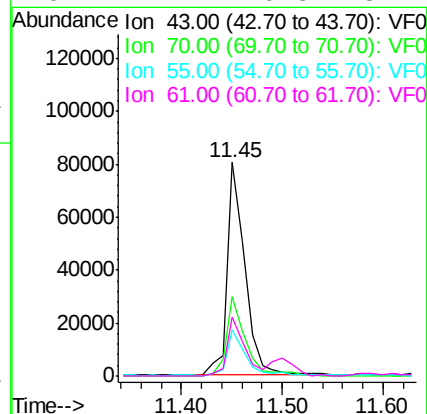
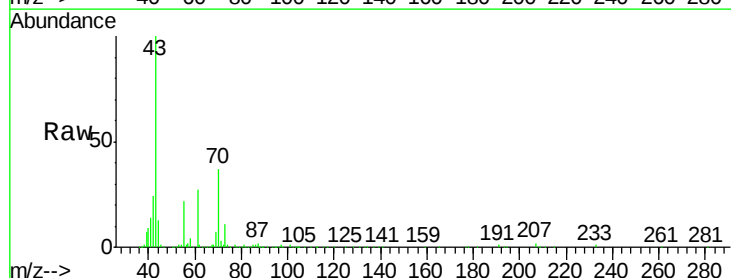
Ion Ratio Lower Upper

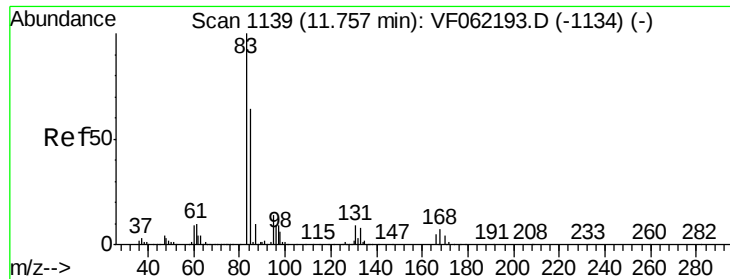
43 100

70 40.8 27.0 40.4#

55 23.5 15.7 23.5

61 27.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.925 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

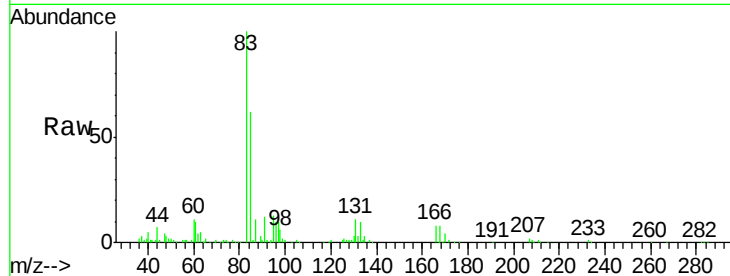
Tot Ion: 83 Resp: 75872

Ion	Ratio	Lower	Upper
83	100		
131	11.2	4.5	13.5
85	69.4	34.7	104.1

83 100

131 11.2 4.5 13.5

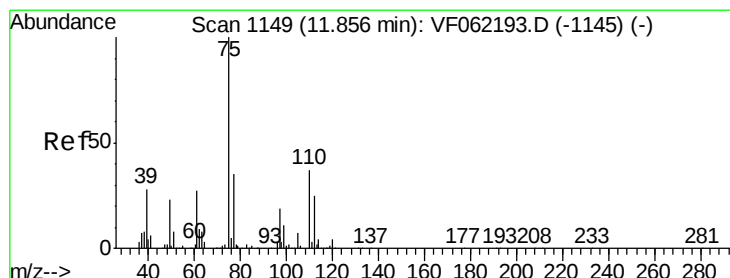
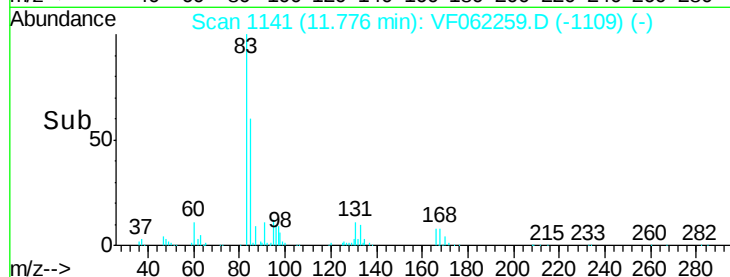
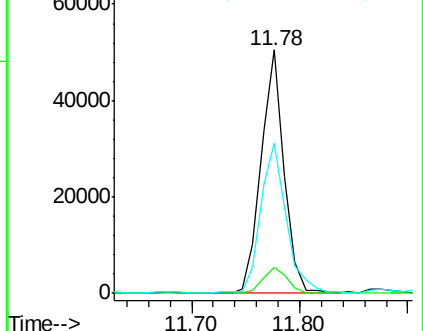
85 69.4 34.7 104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 18.647 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF062259.D

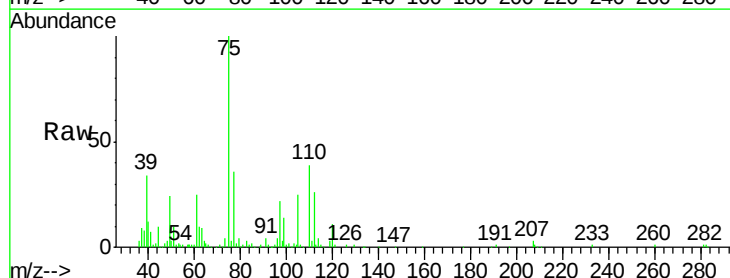
Acq: 23 Apr 2019 13:01

Tgt Ion: 75 Resp: 51433

Ion	Ratio	Lower	Upper
75	100		
77	128.5	7.4	22.2

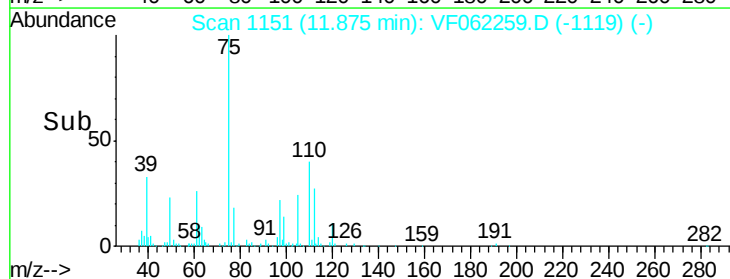
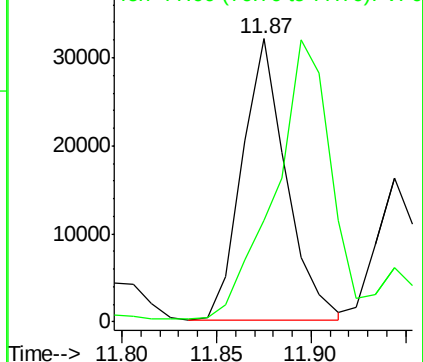
75 100

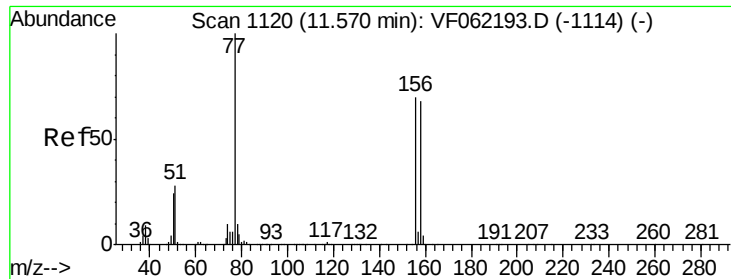
77 128.5 7.4 22.2



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.380 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

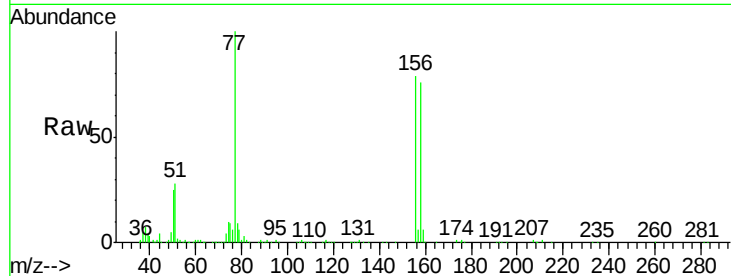
Tot Ion:156 Resp: 111765

Ion Ratio Lower Upper

156 100

77 141.9 80.9 242.7

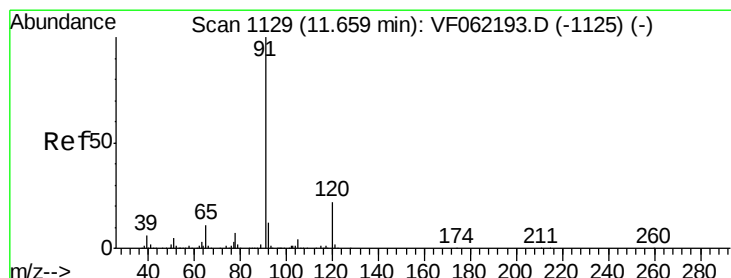
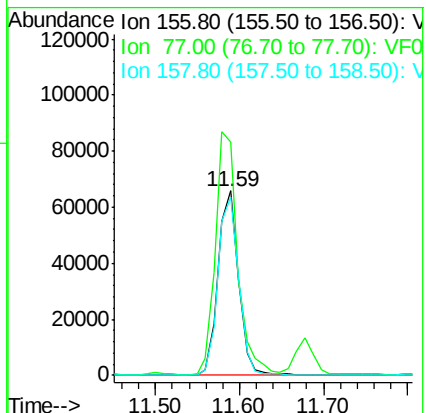
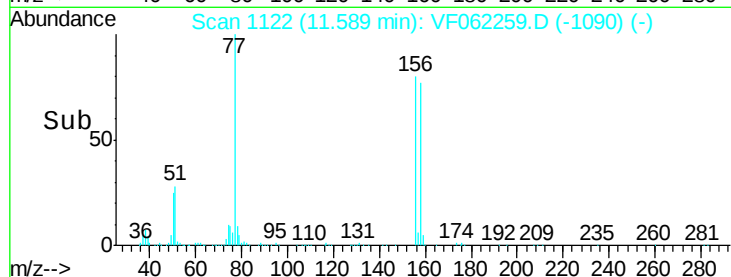
158 98.5 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.904 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062259.D

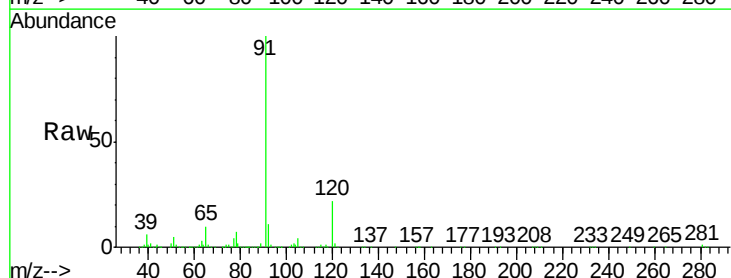
Acq: 23 Apr 2019 13:01

Tgt Ion: 91 Resp: 489474

Ion Ratio Lower Upper

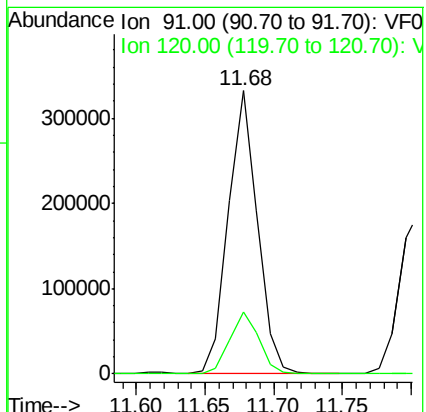
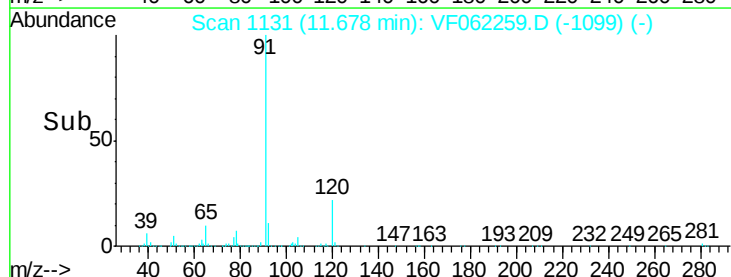
91 100

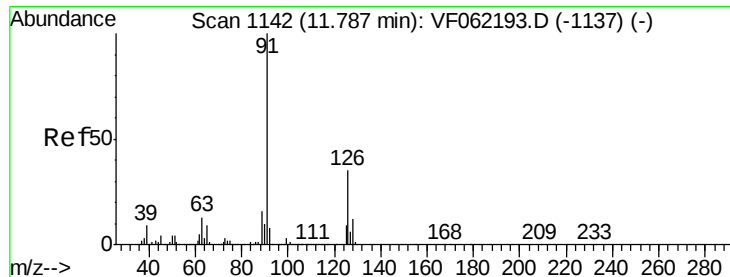
120 22.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

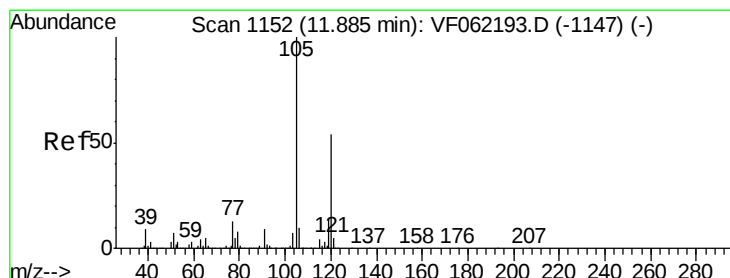
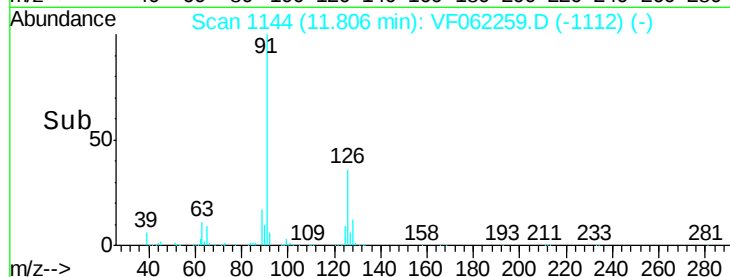
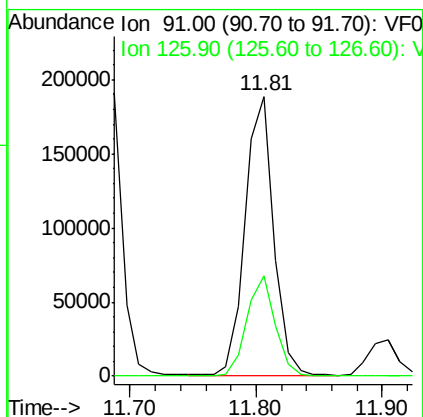
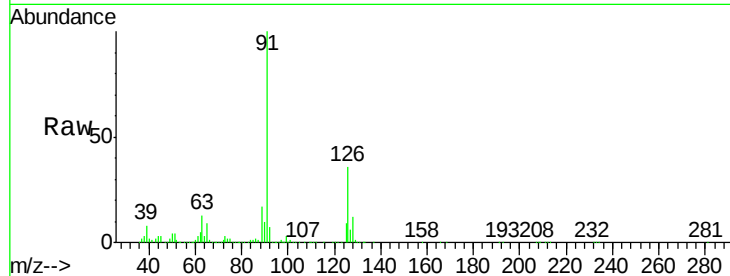




#79
 2-Chlorotoluene
 Concen: 19.837 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.02 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

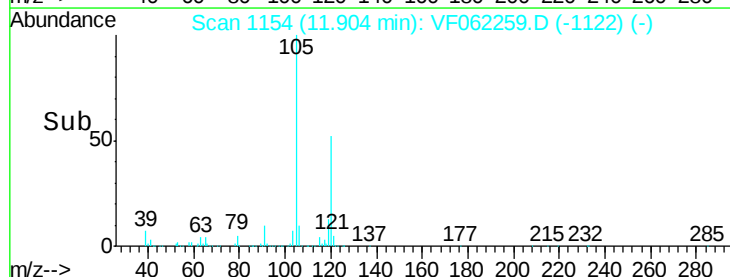
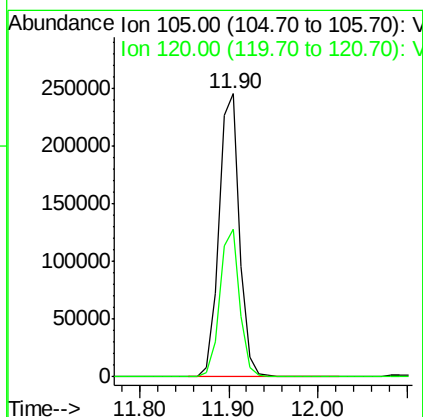
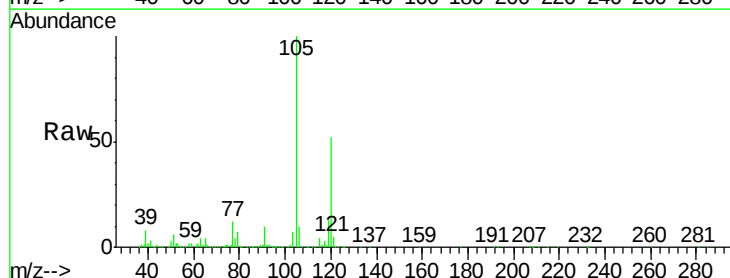
Instrument :
 MSVOA_F
 ClientSampled :

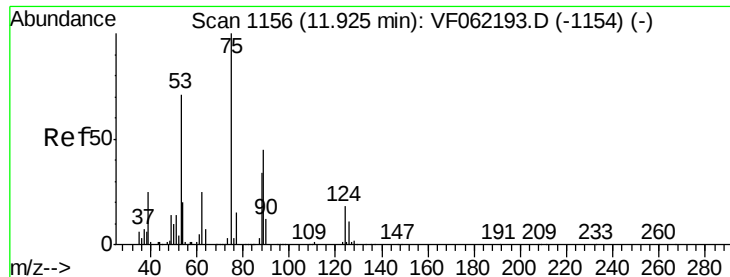
Tot Ion: 91 Resp: 295917
 Ion Ratio Lower Upper
 91 100
 126 35.7 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.560 ug/l
 RT: 11.90 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Tgt Ion:105 Resp: 399191
 Ion Ratio Lower Upper
 105 100
 120 50.5 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 23.356 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

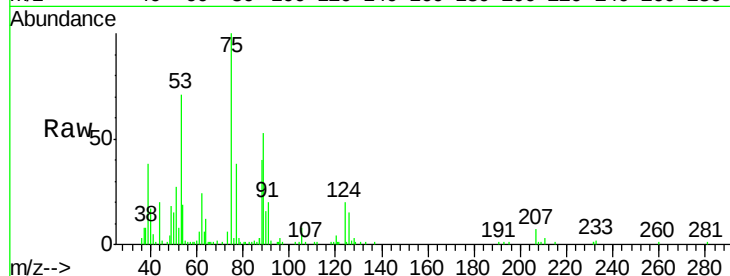
Tot Ion: 75 Resp: 32855

Ion Ratio Lower Upper

75 100

53 54.3 50.2 75.4

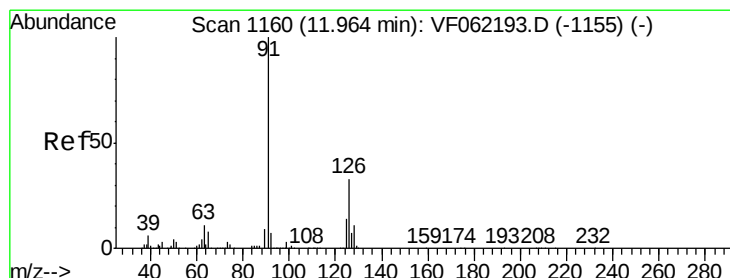
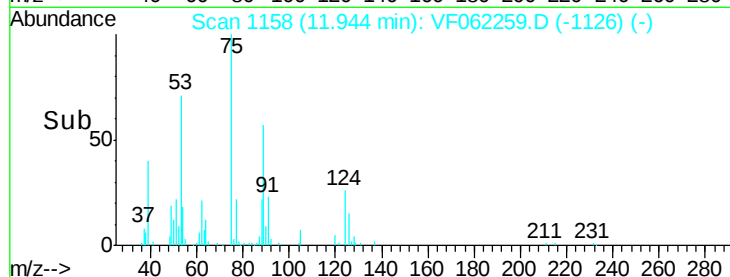
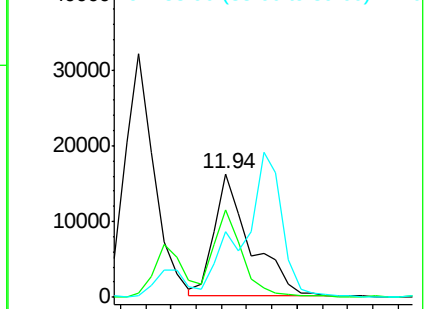
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 20.308 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062259.D

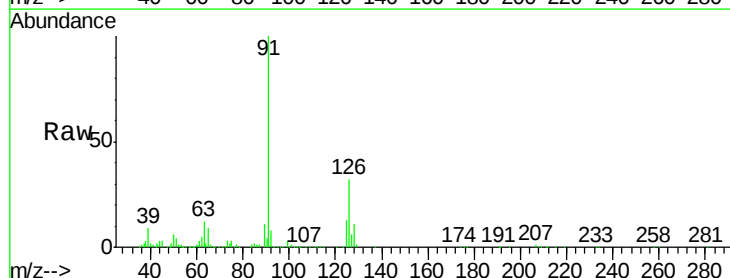
Acq: 23 Apr 2019 13:01

Tgt Ion: 91 Resp: 292780

Ion Ratio Lower Upper

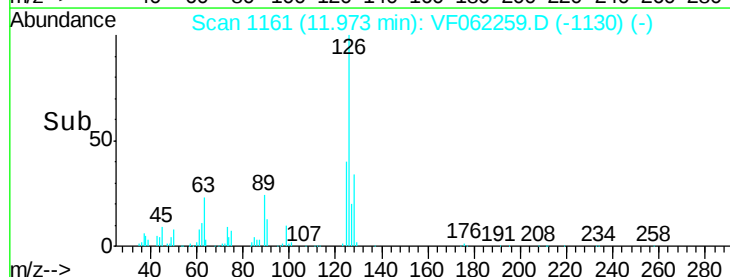
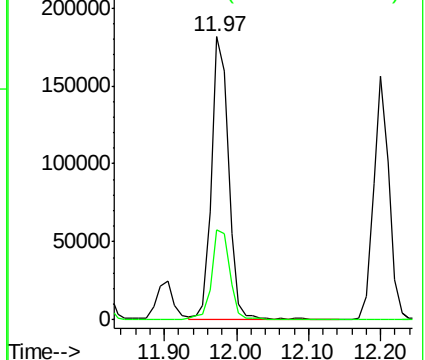
91 100

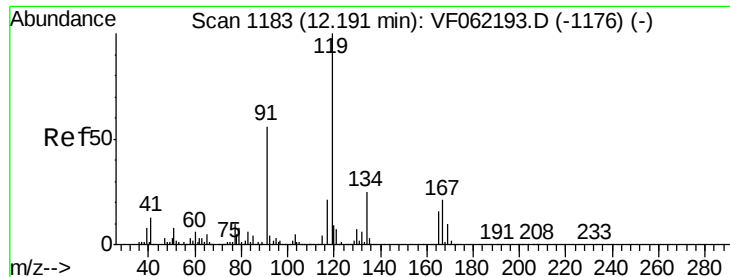
126 34.5 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

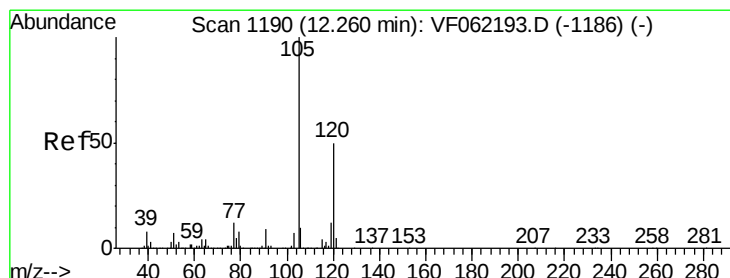
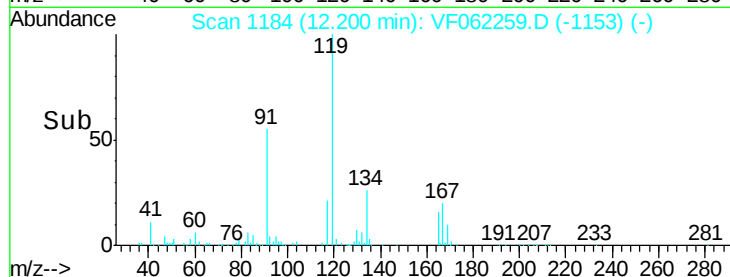
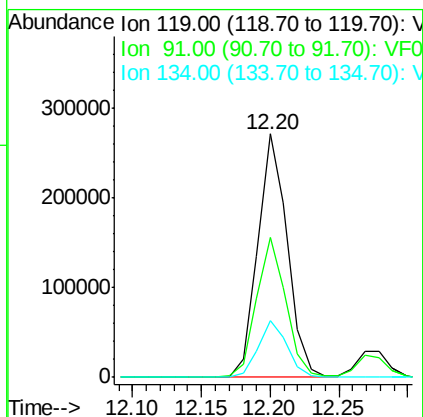
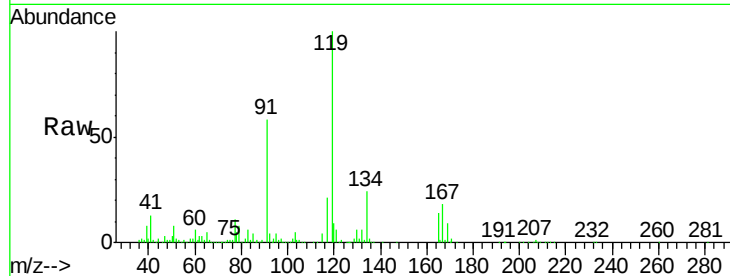




#83
 tert-Butylbenzene
 Concen: 20.231 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

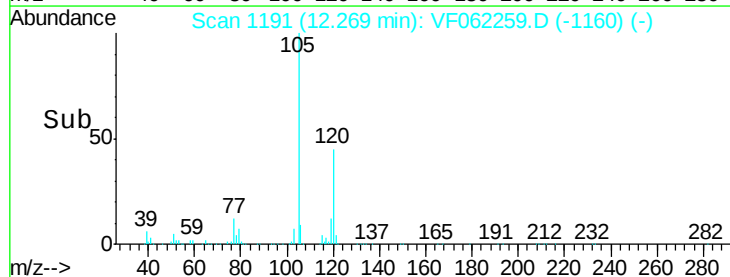
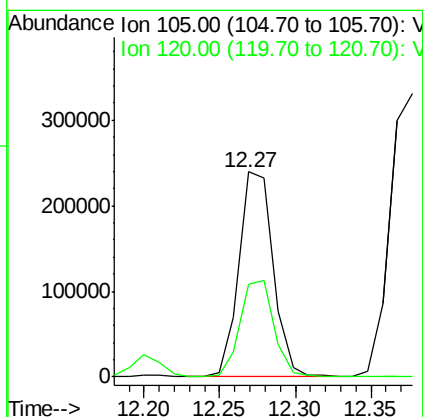
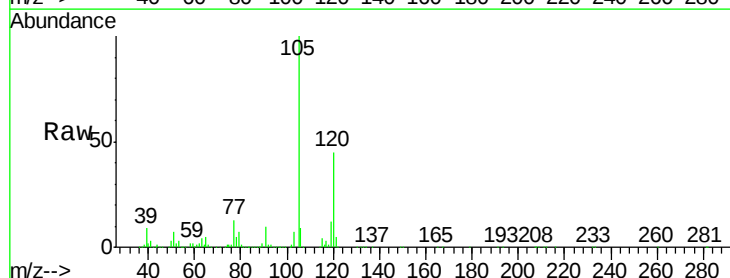
Instrument :
 MSVOA_F
 ClientSampleId :

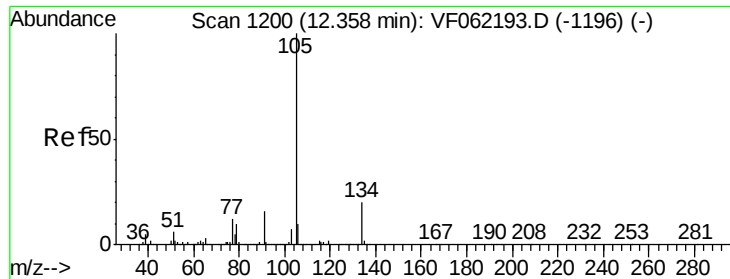
Tot Ion:119 Resp: 406204
 Ion Ratio Lower Upper
 119 100
 91 56.8 29.4 88.2
 134 23.0 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.175 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Tgt Ion:105 Resp: 379064
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.0 72.0





#85

sec-Butylbenzene

Concen: 20.089 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

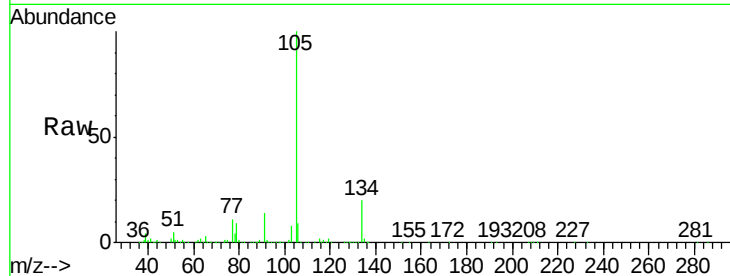
ClientSampleId :

Tot Ion:105 Resp: 523679

Ion Ratio Lower Upper

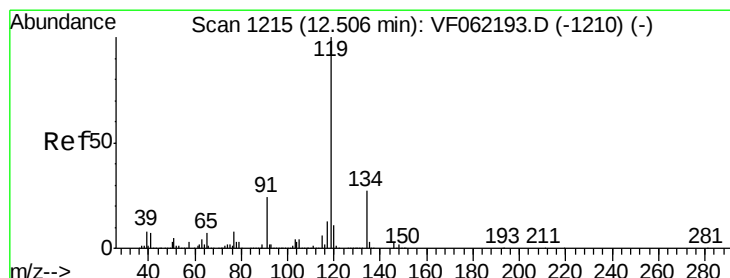
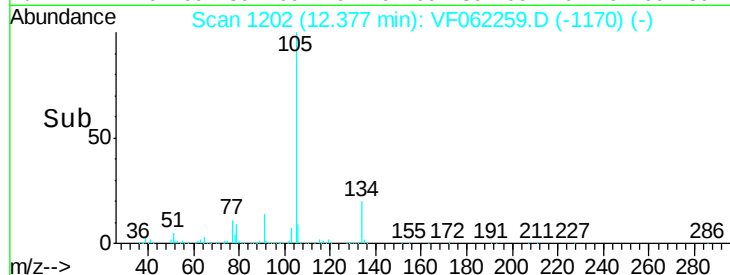
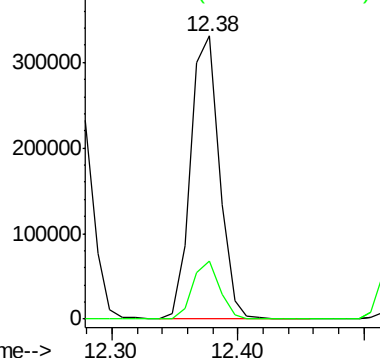
105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.877 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

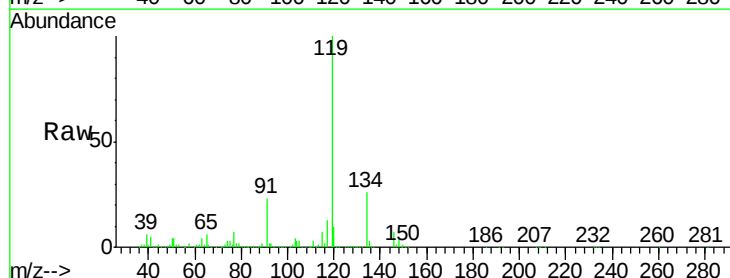
Tgt Ion:119 Resp: 461641

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

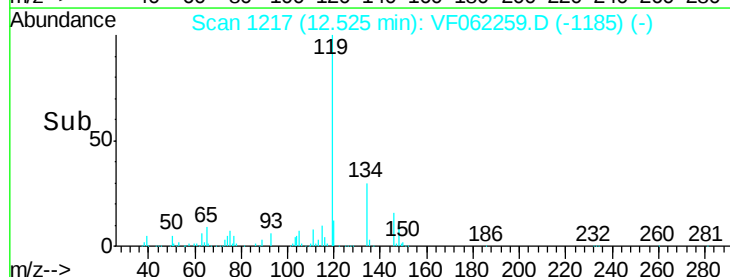
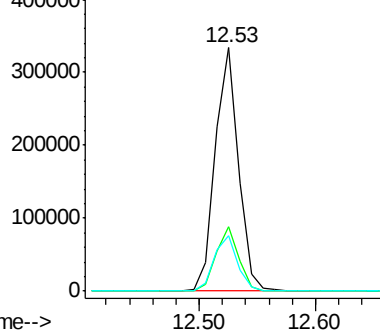
91 22.5 11.7 35.1

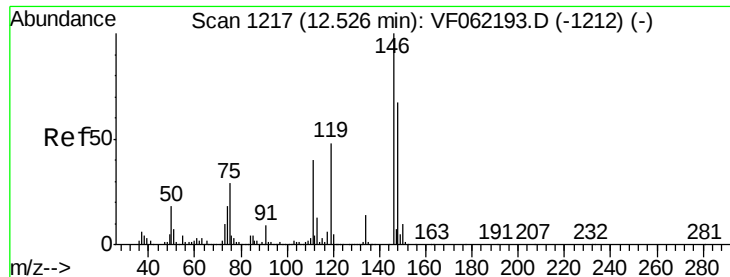


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

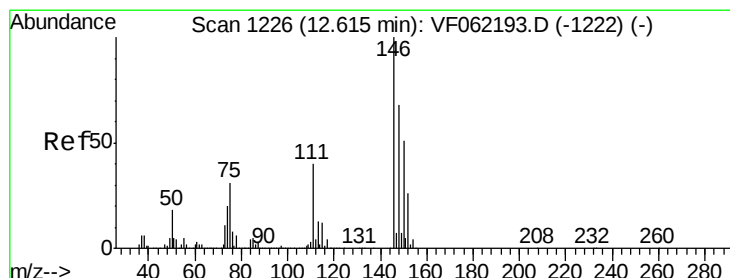
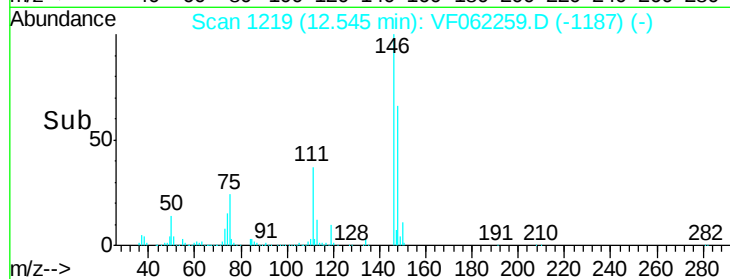
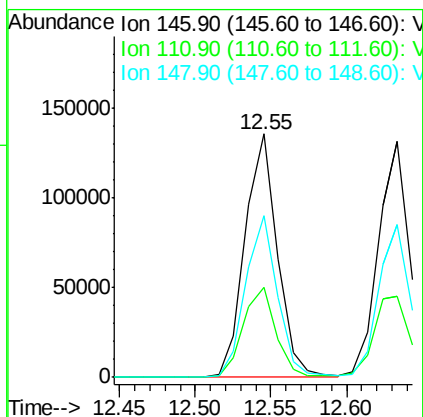
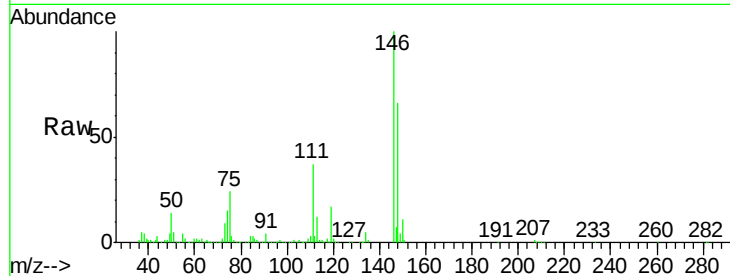




#87
 1,3-Dichlorobenzene
 Concen: 21.924 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

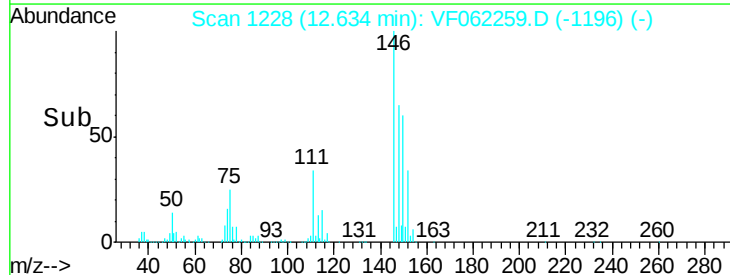
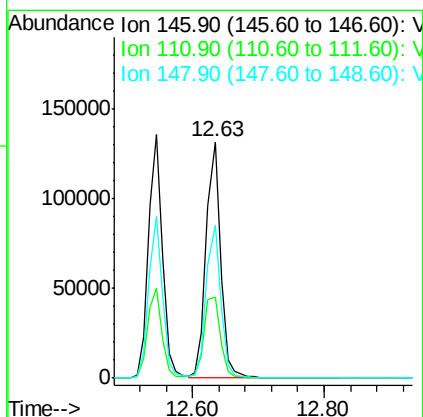
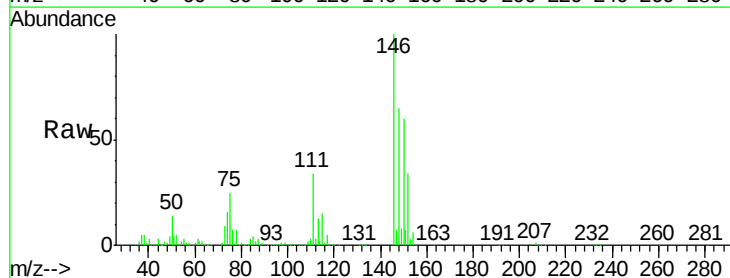
Instrument :
 MSVOA_F
 ClientSampleId :

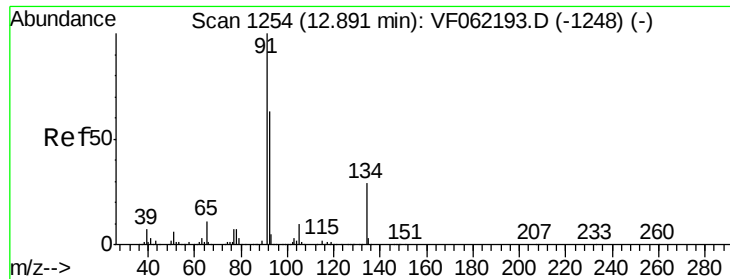
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.7	59.0
148	65.4	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.945 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	60.0
148	64.7	33.6	100.8





#89

n-Butylbenzene

Concen: 20.924 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062259.D

Acq: 23 Apr 2019 13:01

Instrument :

MSVOA_F

ClientSampleId :

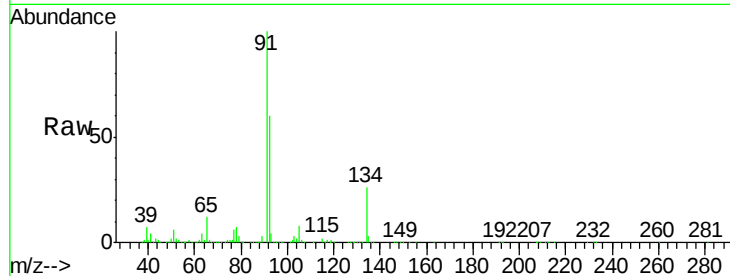
Tot Ion: 91 Resp: 435398

Ion Ratio Lower Upper

91 100

92 59.7 31.2 93.6

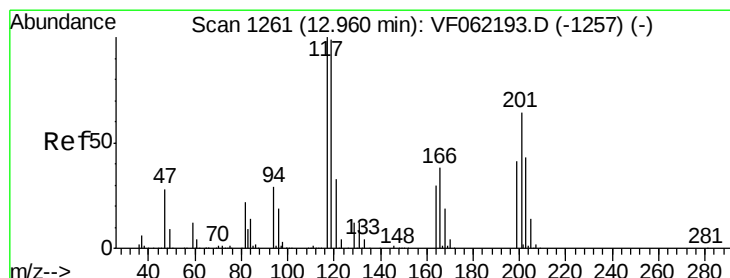
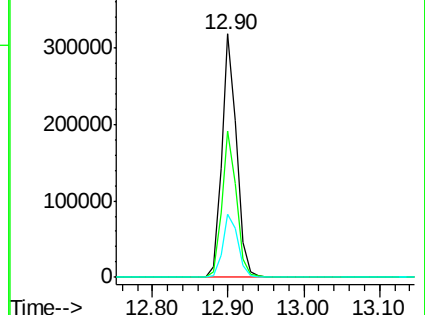
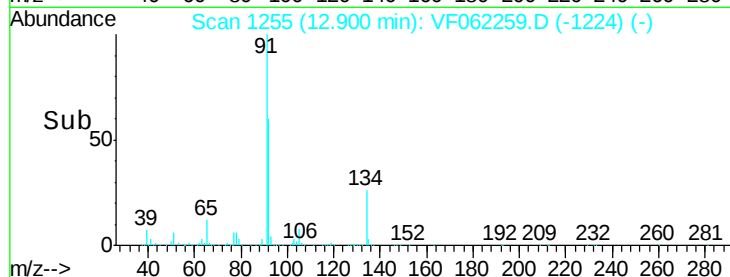
134 26.8 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.881 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VF062259.D

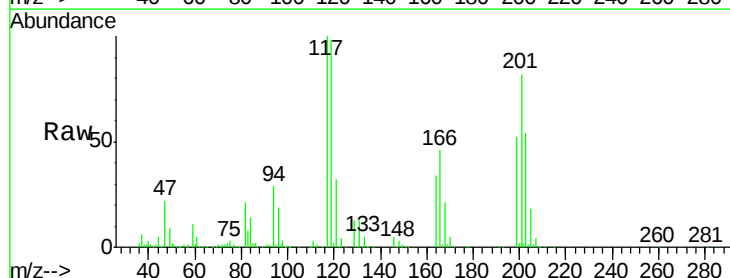
Acq: 23 Apr 2019 13:01

Tgt Ion: 117 Resp: 112891

Ion Ratio Lower Upper

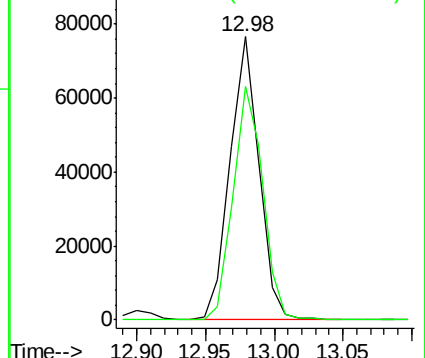
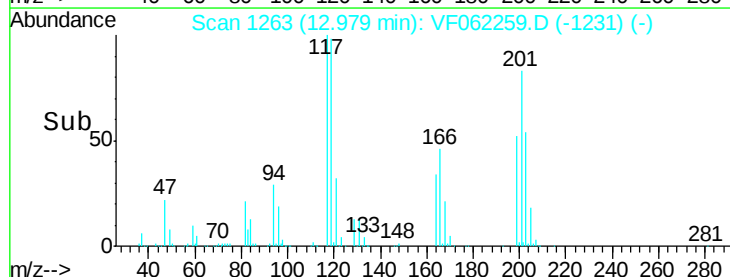
117 100

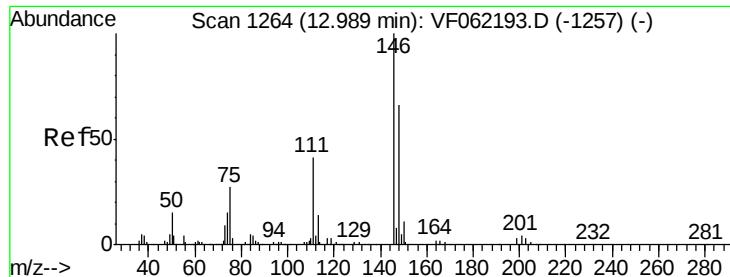
201 84.1 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

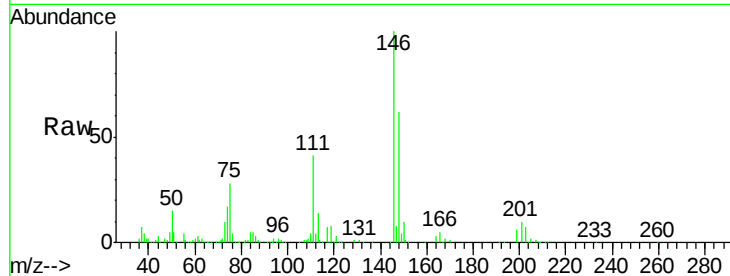




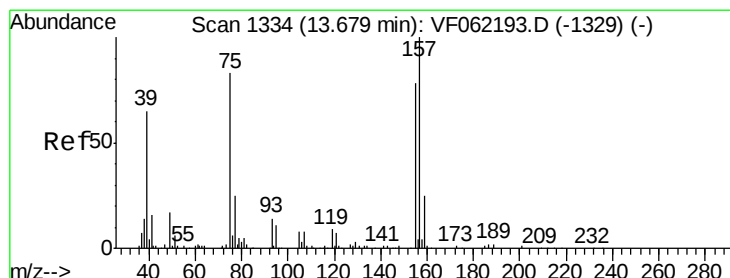
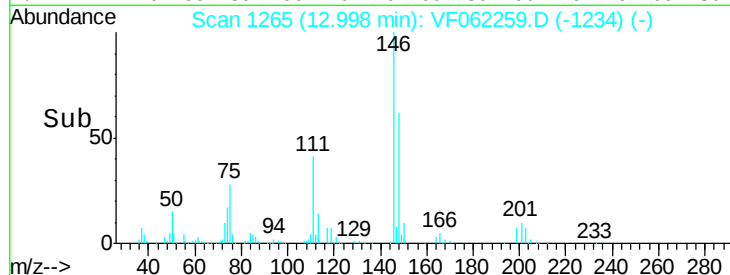
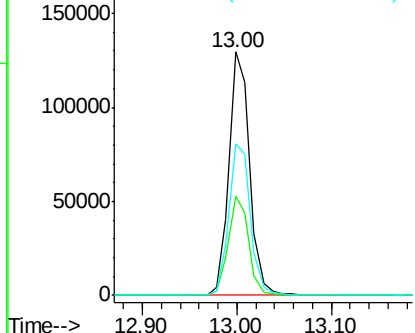
#91
 1,2-Dichlorobenzene
 Concen: 21.941 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.8	62.5
148	64.9	33.0	99.0

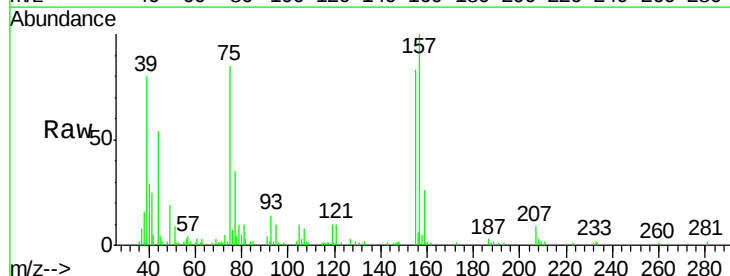


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

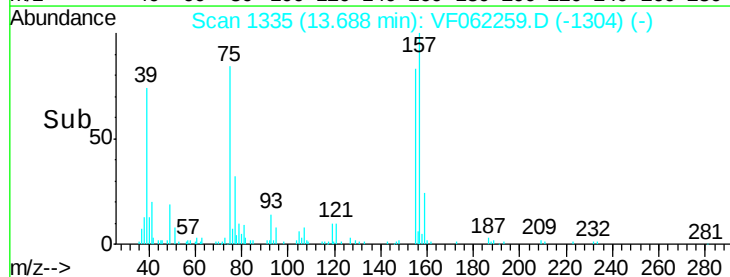
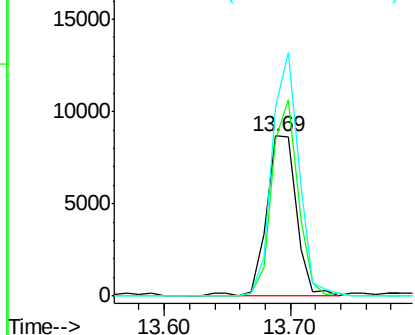


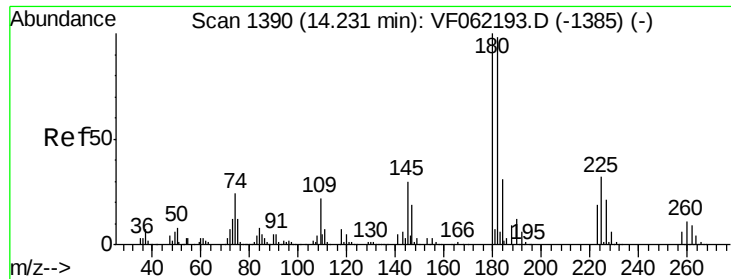
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.204 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.0	47.6	142.8
157	135.2	61.3	183.9



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

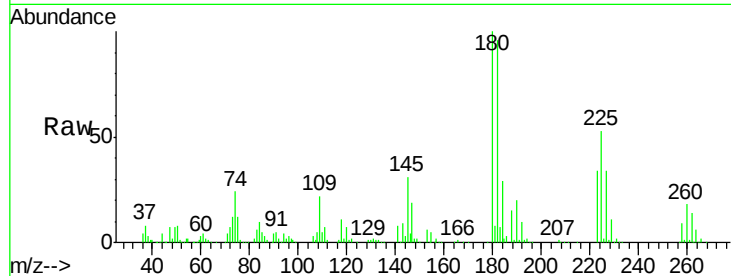




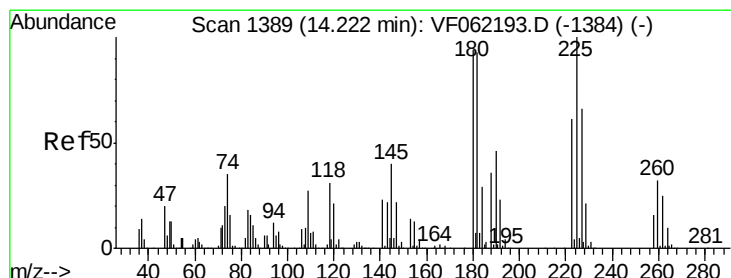
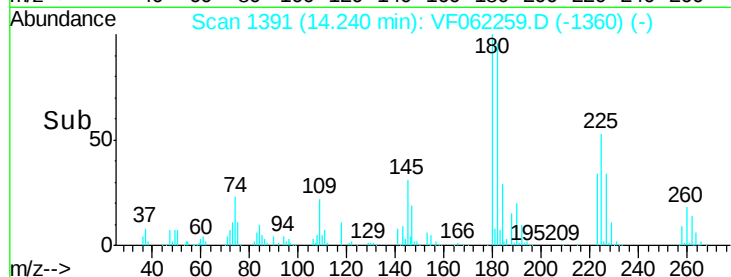
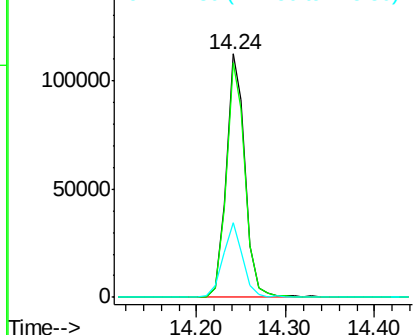
#93
 1,2,4-Trichlorobenzene
 Concen: 22.499 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 168451
 Ion Ratio Lower Upper
 180 100
 182 96.7 49.3 147.9
 145 32.4 18.1 54.4

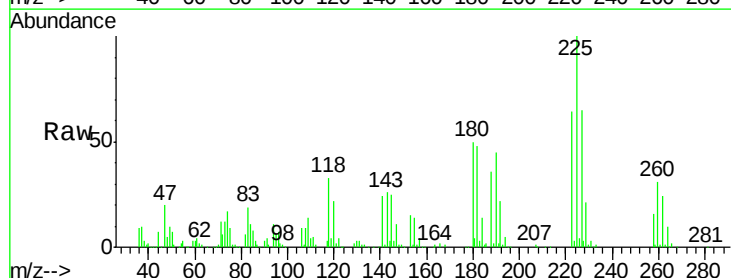


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

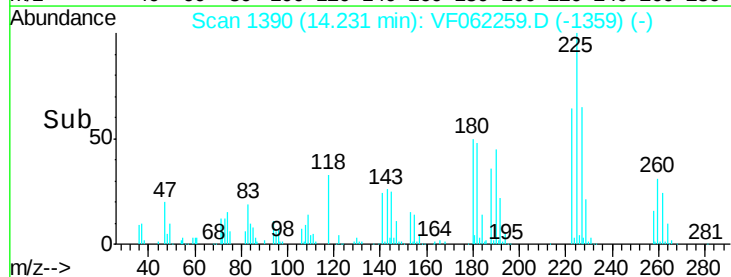
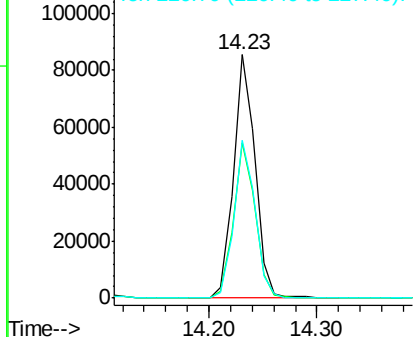


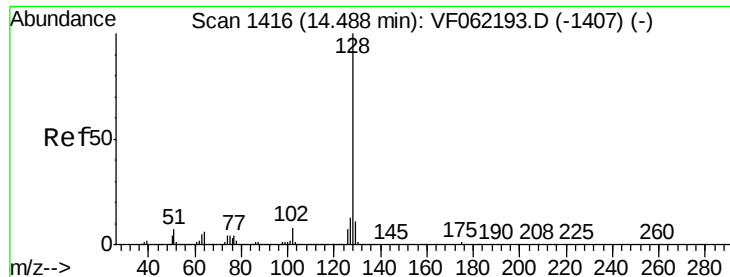
#94
 Hexachlorobutadiene
 Concen: 23.101 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062259.D
 Acq: 23 Apr 2019 13:01

Tgt Ion:225 Resp: 118593
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.0 93.0
 227 64.0 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

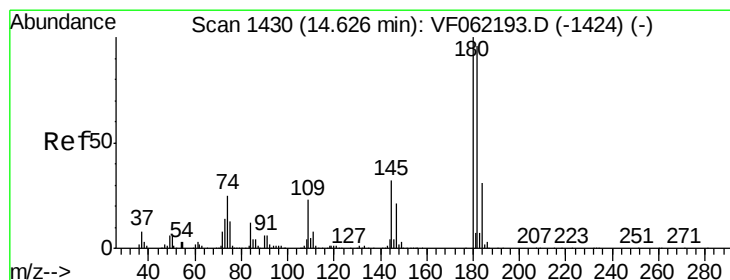
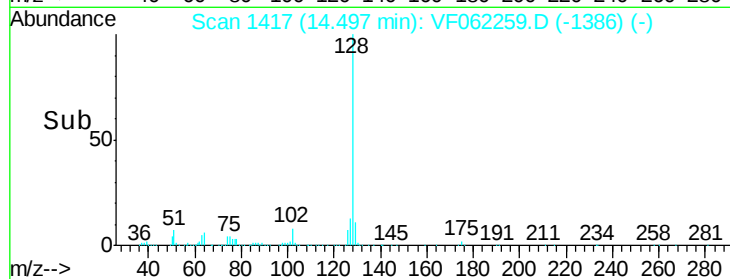
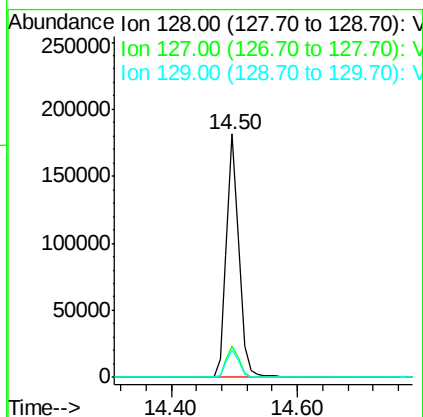
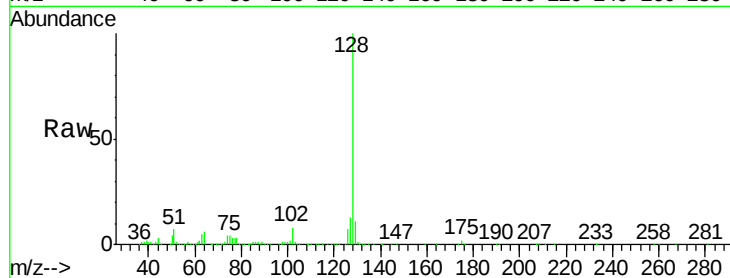




#95
Naphthalene
Concen: 19.373 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 253614
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.6 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 22.704 ug/l
RT: 14.64 min Scan# 1432
Delta R.T. 0.02 min
Lab File: VF062259.D
Acq: 23 Apr 2019 13:01

Tgt Ion:180 Resp: 163190
Ion Ratio Lower Upper
180 100
182 96.8 48.4 145.3
145 29.2 15.6 46.8

