

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062215.D
 Acq On : 18 Apr 2019 20:04
 Operator : FY/SY
 Sample : K2193-11
 Misc : 6.91g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 19 01:20:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	402372	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	567277	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	389901	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	191217	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	193627	52.48	ug/l	0.02
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	4.31	113	249822	50.35	ug/l	0.02
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	7.71	98	530187	42.21	ug/l	0.02
Spiked Amount			Recovery	=	84.42%	
62) 4-Bromofluorobenzene	11.50	95	214952	44.48	ug/l	0.02
Spiked Amount			Recovery	=	88.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.19	50	2568	0.406	ug/l	99
6) Chloroethane	1.42	64	971	0.428	ug/l	94
8) Diethyl Ether	1.65	74	669	0.466	ug/l	68
11) Tert butyl alcohol	2.66	59	359	1.400	ug/l #	70
13) Acrolein	2.08	56	1934	Below Cal	#	14
14) Allyl chloride	2.21	41	1337	0.260	ug/l #	33
15) Acrylonitrile	3.10	53	1872	2.397	ug/l #	55
16) Acetone	2.36	43	10508	11.915	ug/l	98
18) Methyl Acetate	2.46	43	5844	Below Cal	#	88
20) Methylene Chloride	2.34	84	3685	Below Cal	#	49
25) 2-Butanone	4.52	43	2832	1.606	ug/l #	56
29) Tetrahydrofuran	4.28	42	2490	3.120	ug/l #	55
36) 1,1-Dichloropropene	4.22	75	77285	11.363	ug/l #	44
37) Ethyl Acetate	4.21	43	3453	1.076	ug/l #	92
39) Methylcyclohexane	5.62	83	3905	0.480	ug/l #	55
40) Benzene	4.83	78	3984	0.223	ug/l #	76
41) Methacrylonitrile	4.92	41	848	0.458	ug/l #	48
43) Isopropyl Acetate	7.17	43	850	0.252	ug/l #	71
49) 1,4-Dioxane	6.92	88	63	2.476	ug/l #	1
51) 4-Methyl-2-Pentanone	8.42	43	6890	2.744	ug/l #	85
52) Toluene	7.78	92	6059	0.644	ug/l	97
56) Ethyl methacrylate	8.77	69	7631	2.548	ug/l #	91
58) 2-Chloroethyl Vinyl ether	7.46	63	1156	1.329	ug/l #	48
59) 2-Hexanone	9.83	43	744	0.612	ug/l	89
67) Ethyl Benzene	10.03	91	19494	1.289	ug/l	96
68) m/p-Xylenes	10.25	106	4580	0.823	ug/l	85
69) o-Xylene	10.82	106	40261	6.516	ug/l	96
73) Isopropylbenzene	11.21	105	9770	0.595	ug/l	97
74) N-amyl acetate	11.47	43	4314	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	11.75	83	4448	1.575	ug/l #	24
76) 1,2,3-Trichloropropane	11.89	75	2174	1.119	ug/l #	1
78) n-propylbenzene	11.67	91	30972	1.787	ug/l	95
79) 2-Chlorotoluene	11.79	91	16545	1.574	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.89	105	196549	14.367	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041819\
 Data File : VF062215.D
 Acq On : 18 Apr 2019 20:04
 Operator : FY/SY
 Sample : K2193-11
 Misc : 6.91a/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

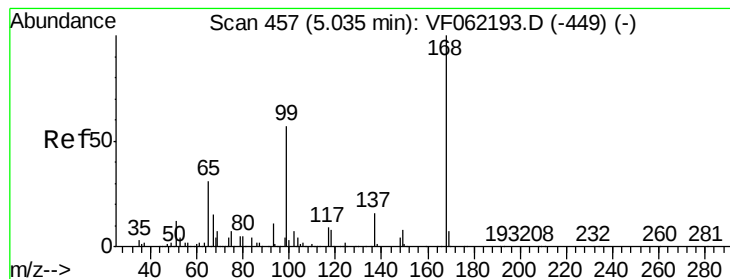
Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 19 01:20:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 07:43:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

81) trans-1,4-Dichloro-2-buten	11.89	75	2174	2.193	ug/l #	1
82) 4-Chlorotoluene	12.20	91	2530	0.249	ug/l	94
83) tert-Butylbenzene	12.20	119	3466	0.245	ug/l	72
84) 1,2,4-Trimethylbenzene	12.27	105	14878	1.124	ug/l	97
85) sec-Butylbenzene	12.36	105	19276	1.049	ug/l	84
86) p-Isopropyltoluene	12.49	119	105146	6.749	ug/l	98
90) Hexachloroethane	12.99	117	5124	1.281	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	13.66	75	556	1.002	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.24	180	1277	0.242	ug/l #	45
95) Naphthalene	14.49	128	12312	1.335	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.67	180	2607	0.515	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.03 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :

MSVOA_F

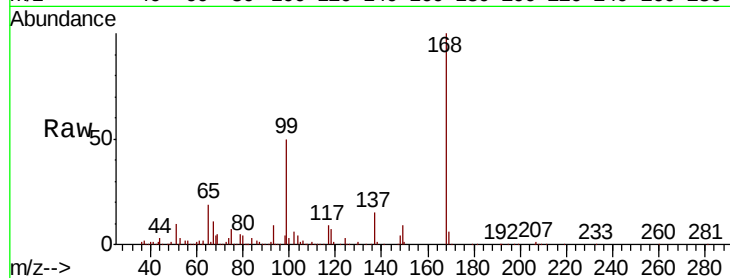
ClientSampleId :

Tot Ion:168 Resp: 402372

Ion Ratio Lower Upper

168 100

99 50.1 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

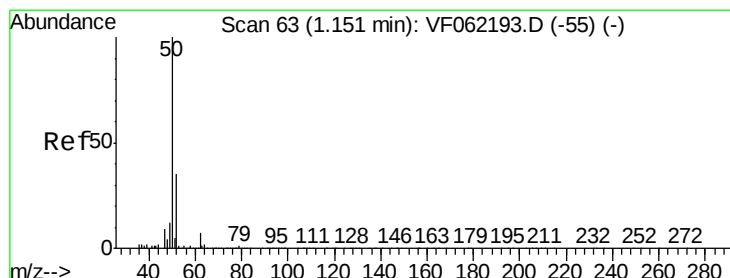
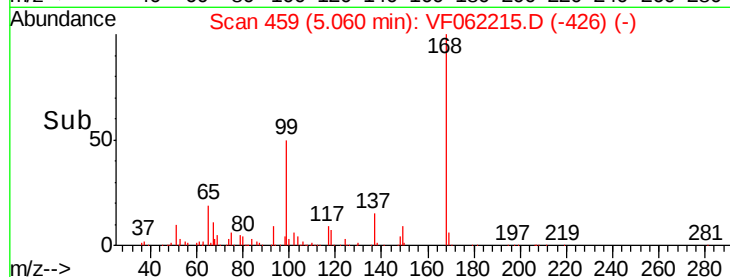
100000

50000

0

Time-->

5.00 5.20 5.40



#3

Chloromethane

Concen: 0.406 ug/l

RT: 1.19 min Scan# 66

Delta R.T. 0.04 min

Lab File: VF062215.D

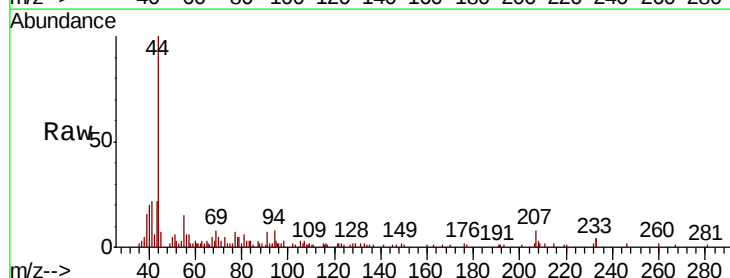
Acq: 18 Apr 2019 20:04

Tgt Ion: 50 Resp: 2568

Ion Ratio Lower Upper

50 100

52 34.1 27.0 40.4



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

1.19

600

500

400

300

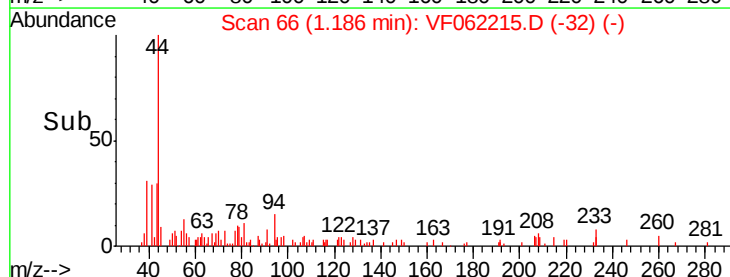
200

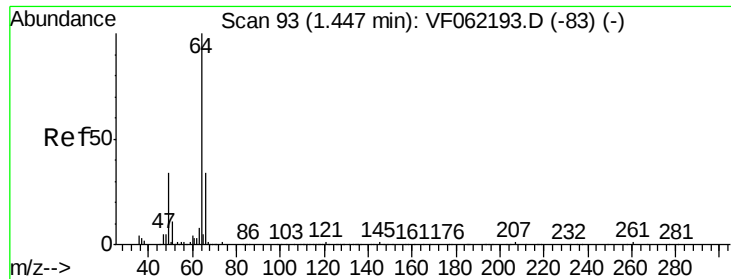
100

0

Time-->

1.10 1.20





#6

Chloroethane

Concen: 0.428 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

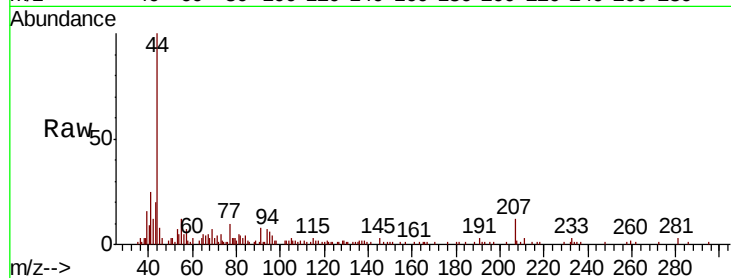
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 64 Resp: 971

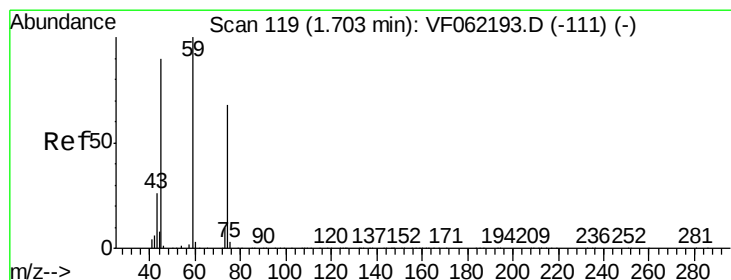
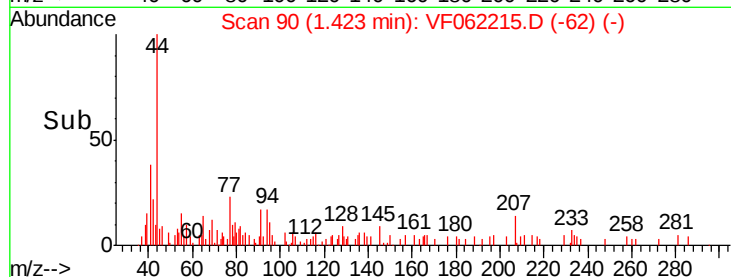
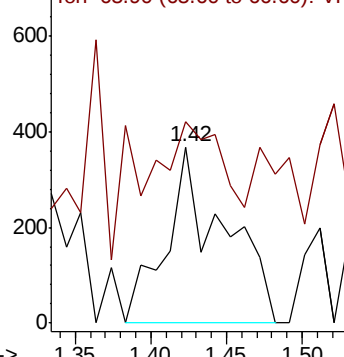
Ion Ratio Lower Upper

64 100

66 30.4 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VF0
Ion 65.90 (65.60 to 66.60): VF0



#8

Diethyl Ether

Concen: 0.466 ug/l

RT: 1.65 min Scan# 113

Delta R.T. -0.05 min

Lab File: VF062215.D

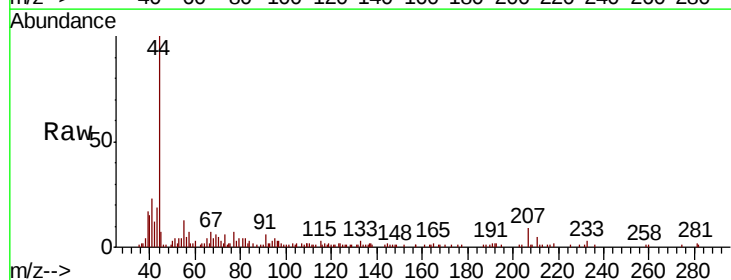
Acq: 18 Apr 2019 20:04

Tgt Ion: 74 Resp: 669

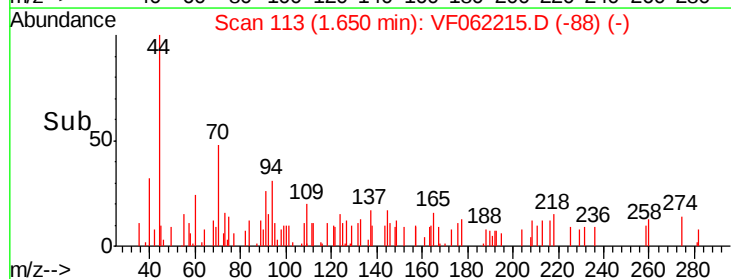
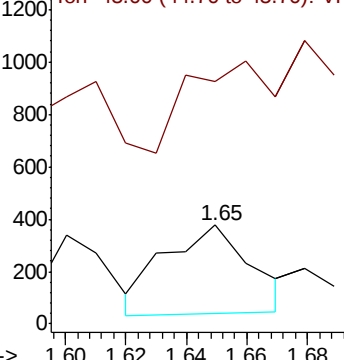
Ion Ratio Lower Upper

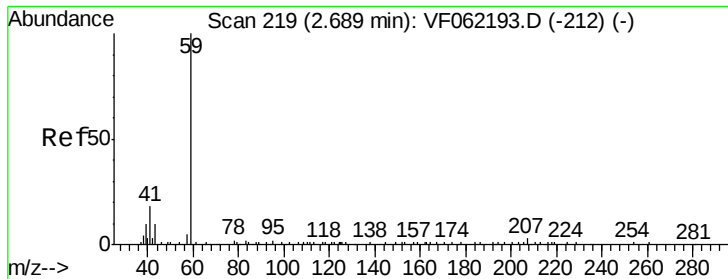
74 100

45 101.3 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0



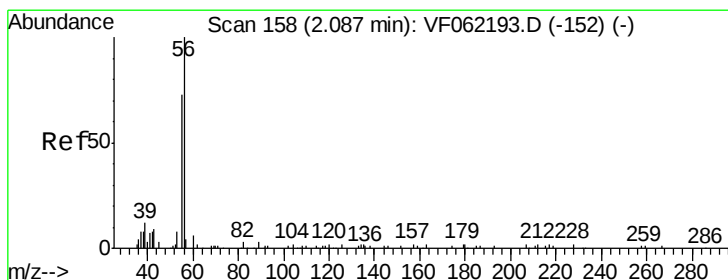
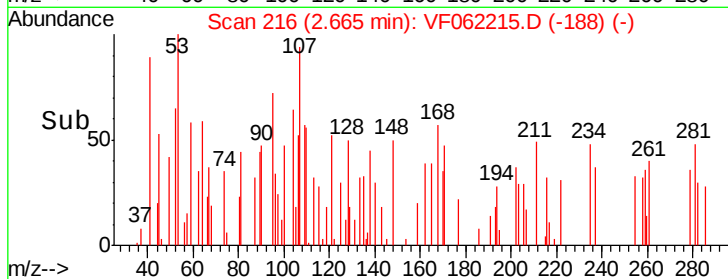
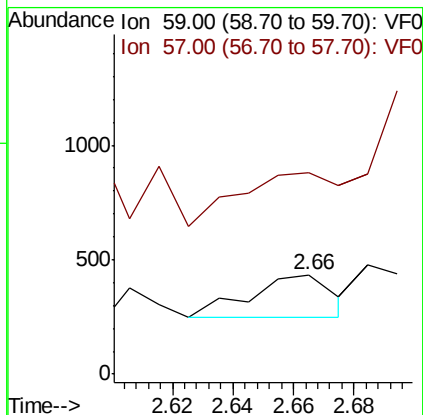
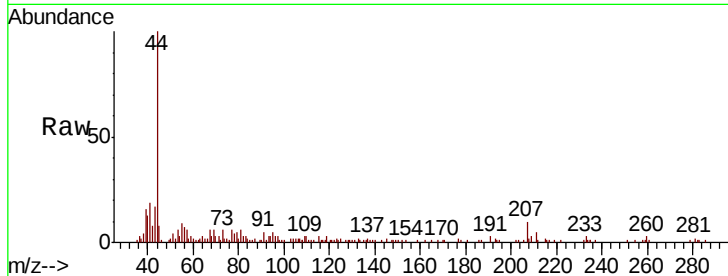


#11

Tert butyl alcohol
Concen: 1.400 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Instrument :
MSVOA_F
ClientSampleId :

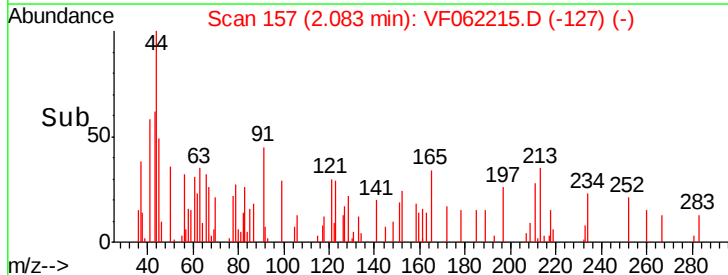
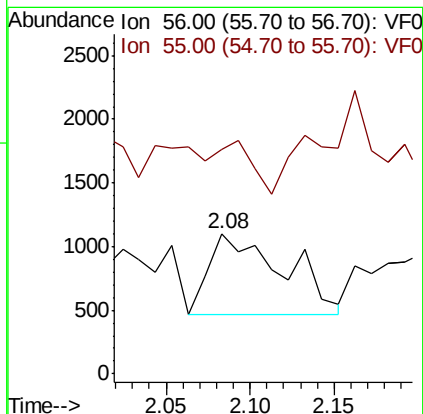
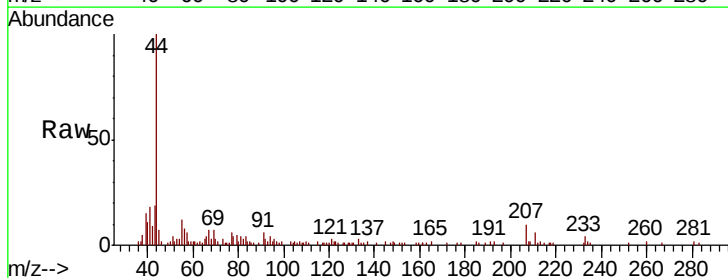
Tot Ion: 59 Resp: 359
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

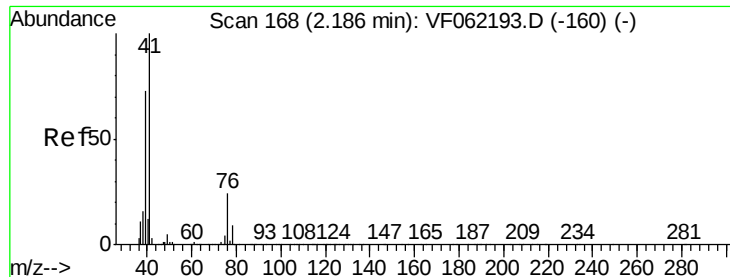


#13

Acrolein
Concen: Below Cal
RT: 2.08 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Tgt Ion: 56 Resp: 1934
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

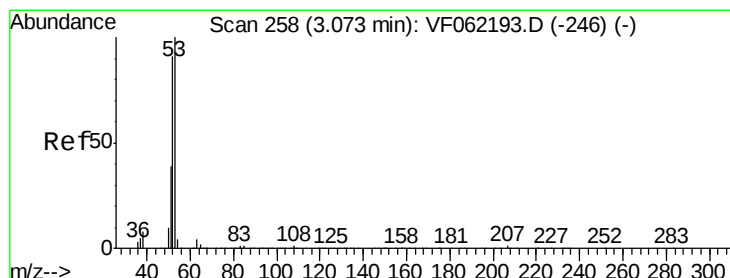
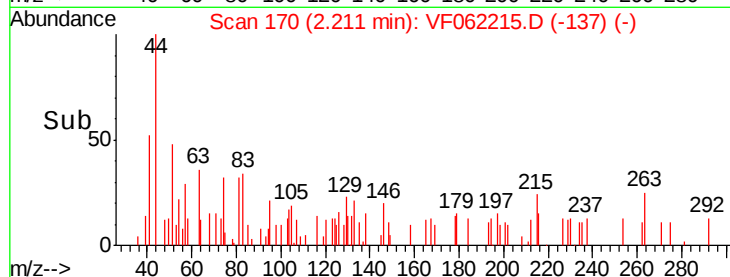
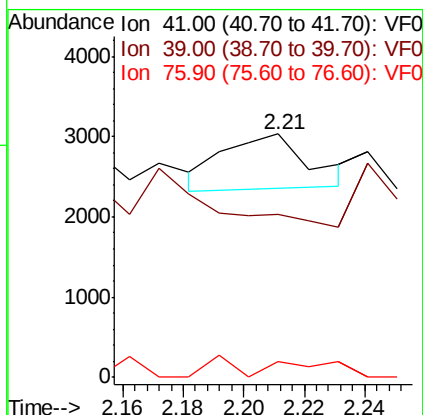
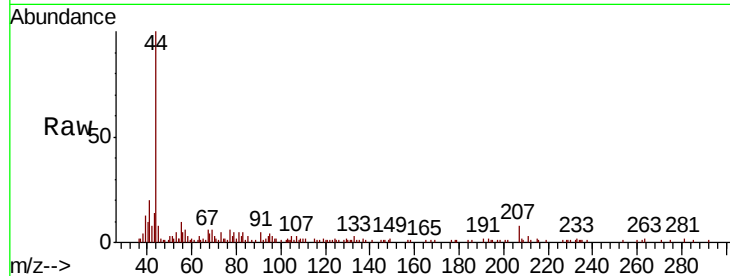




#14
Allvl chloride
Concen: 0.260 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.03 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

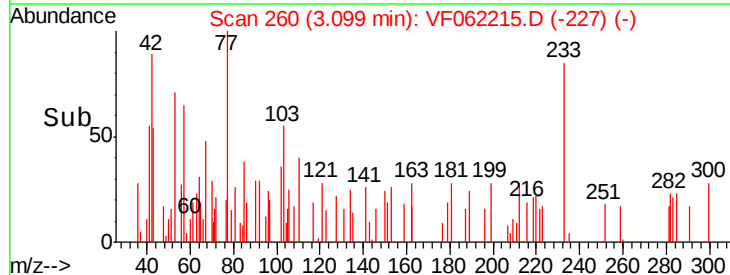
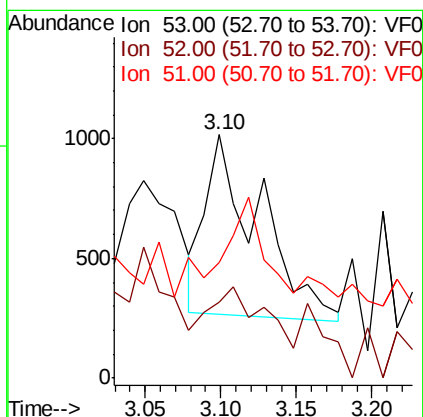
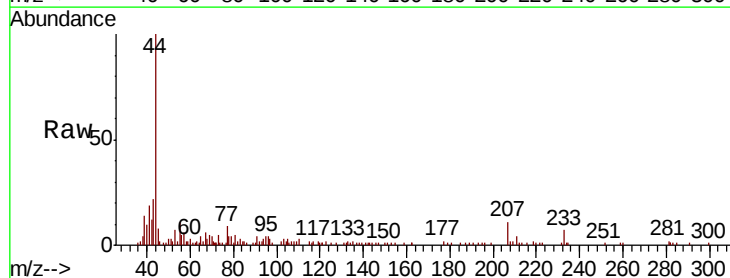
Instrument :
MSVOA_F
ClientSampleId :

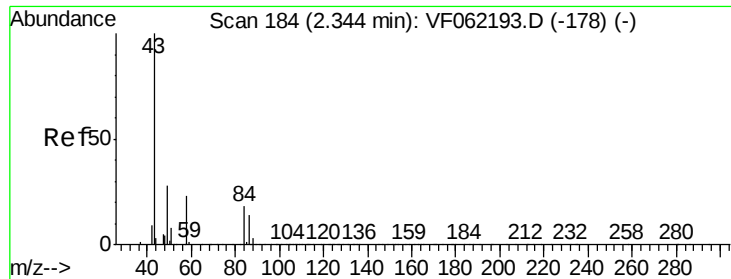
Tot Ion: 41 Resp: 1337
Ion Ratio Lower Upper
41 100
39 0.0 60.0 90.0#
76 23.1 20.6 30.8



#15
Acrylonitrile
Concen: 2.397 ug/l
RT: 3.10 min Scan# 260
Delta R.T. 0.03 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Tgt Ion: 53 Resp: 1872
Ion Ratio Lower Upper
53 100
52 32.7 69.5 104.3#
51 31.3 31.8 47.8#





#16

Acetone

Concen: 11.915 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.02 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

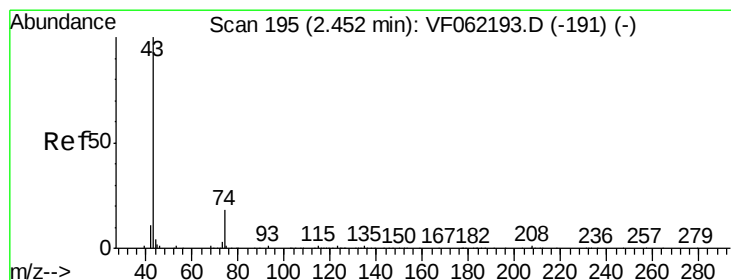
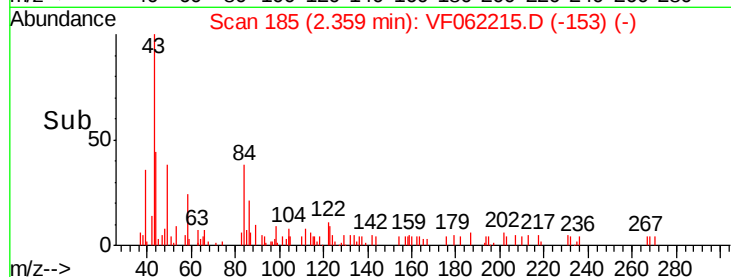
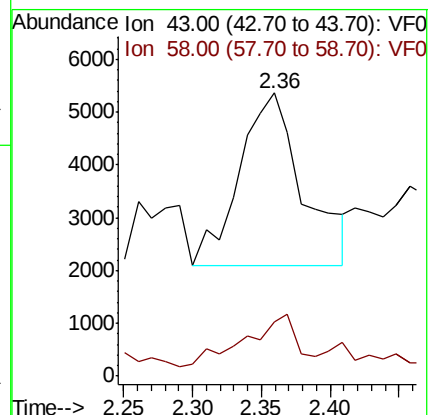
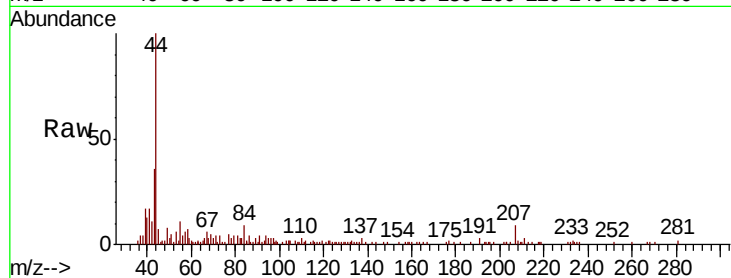
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 10508

Ion Ratio Lower Upper

43 100

58 24.3 18.8 28.2



#18

Methyl Acetate

Concen: Below Cal

RT: 2.46 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF062215.D

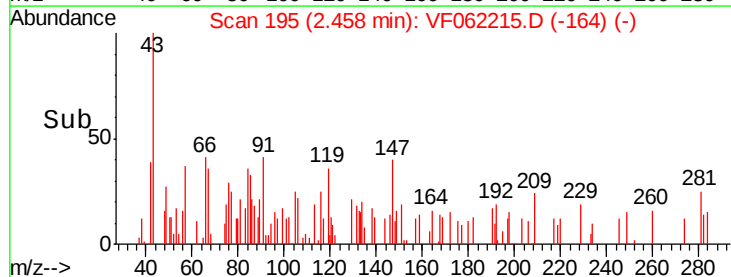
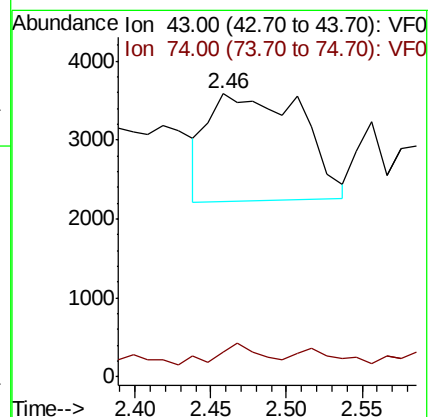
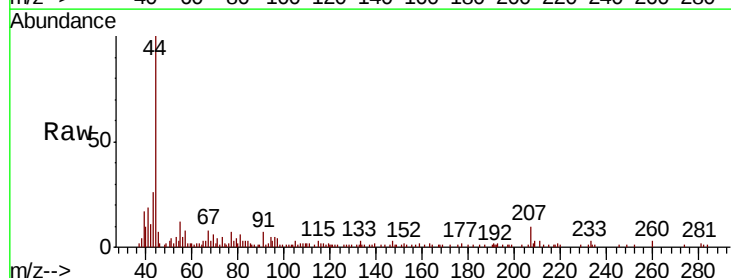
Acq: 18 Apr 2019 20:04

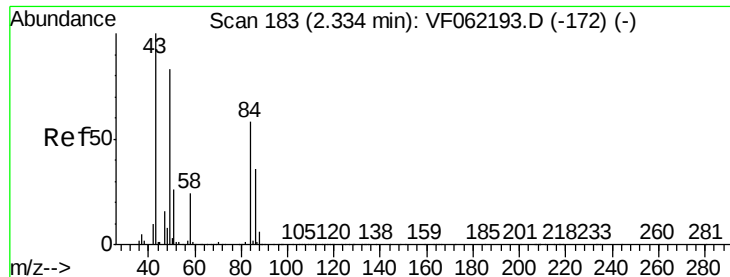
Tgt Ion: 43 Resp: 5844

Ion Ratio Lower Upper

43 100

74 12.6 14.5 21.7#

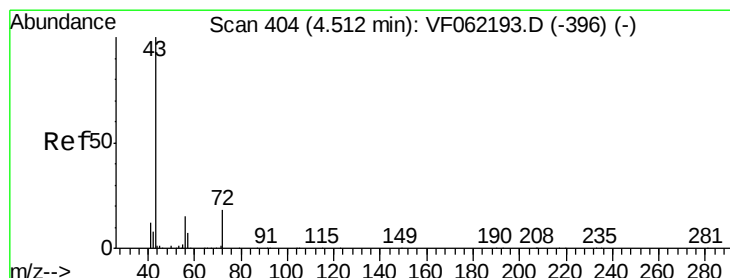
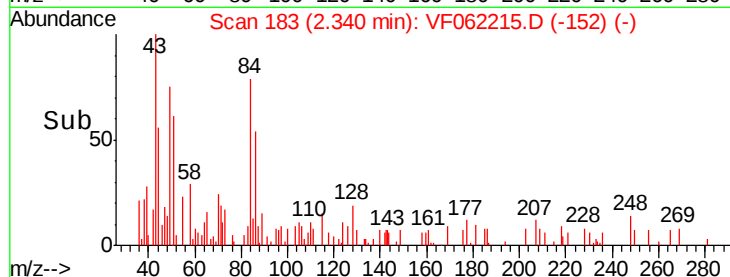
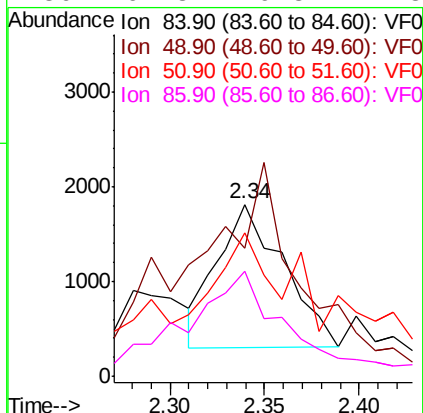
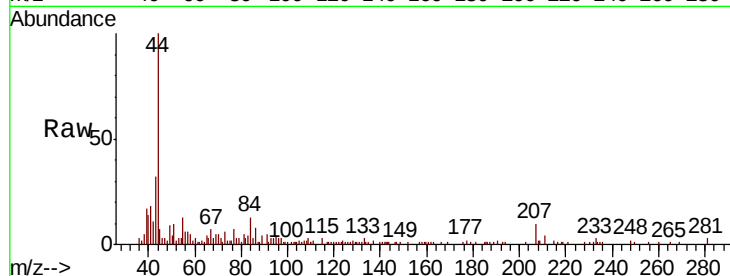




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

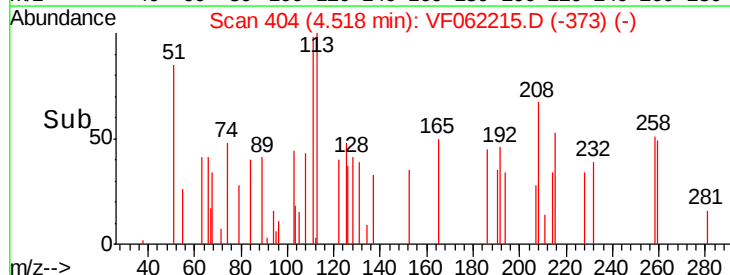
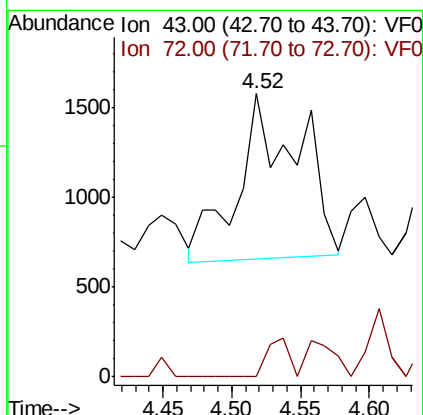
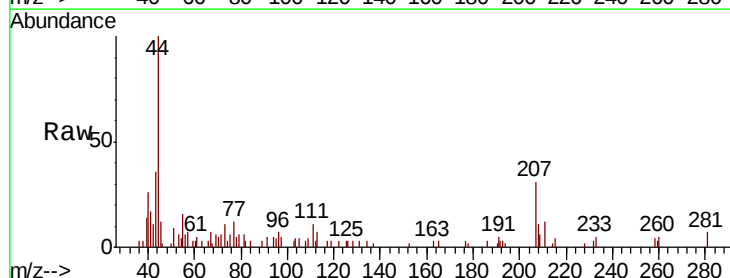
Instrument :
MSVOA_F
ClientSampleId :

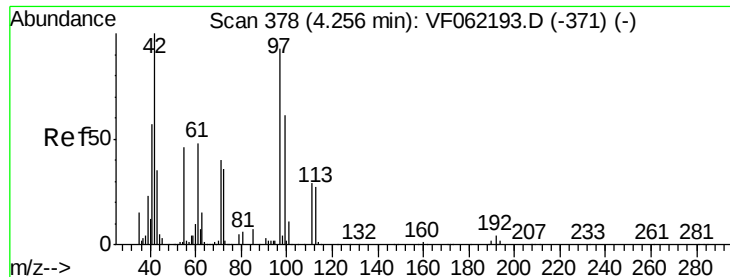
Tot Ion: 84 Resp: 3685
Ion Ratio Lower Upper
84 100
49 40.0 114.0 171.0#
51 58.4 37.0 55.4#
86 61.3 49.8 74.8



#25
2-Butanone
Concen: 1.606 ug/l
RT: 4.52 min Scan# 404
Delta R.T. 0.01 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Tgt Ion: 43 Resp: 2832
Ion Ratio Lower Upper
43 100
72 0.0 16.1 24.1#





#29

Tetrahydrofuran

Concen: 3.120 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.03 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :
MSVOA_F
ClientSampled :

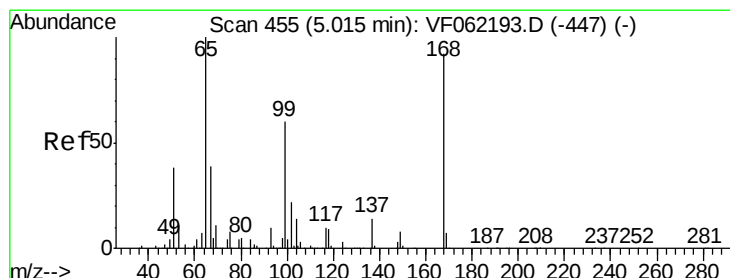
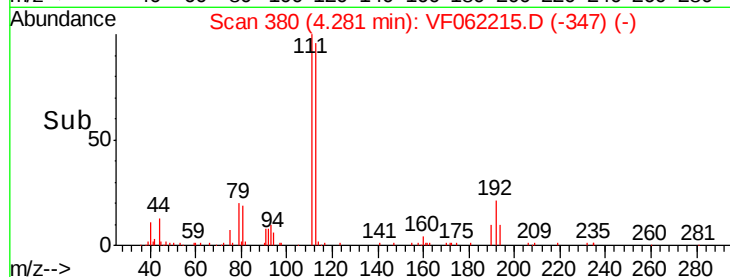
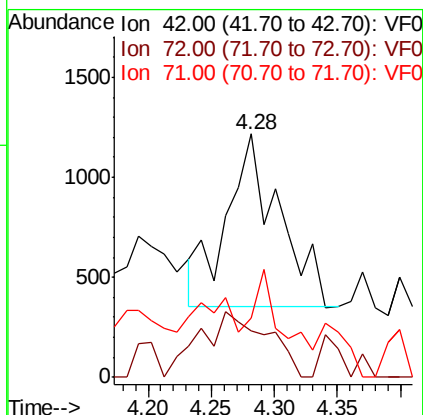
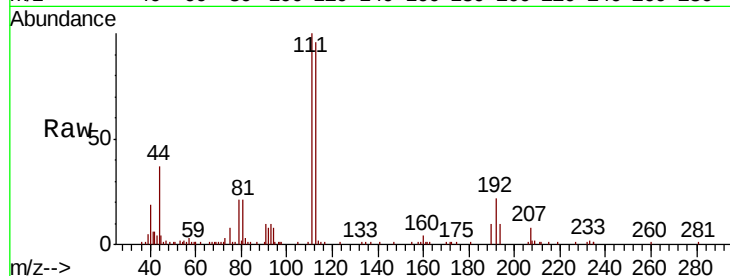
Tot Ion: 42 Resp: 2490

Ion Ratio Lower Upper

42 100

72 0.0 28.6 43.0#

71 19.2 29.2 43.8#



#33

1,2-Dichloroethane-d4

Concen: 52.480 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.02 min

Lab File: VF062215.D

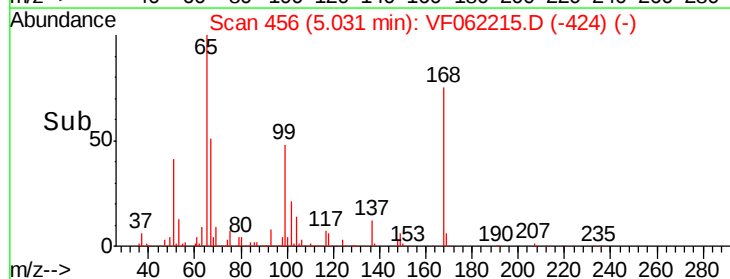
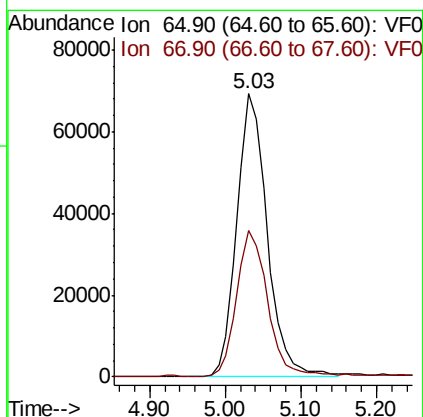
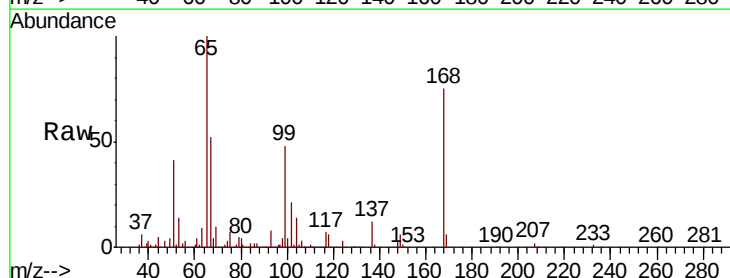
Acq: 18 Apr 2019 20:04

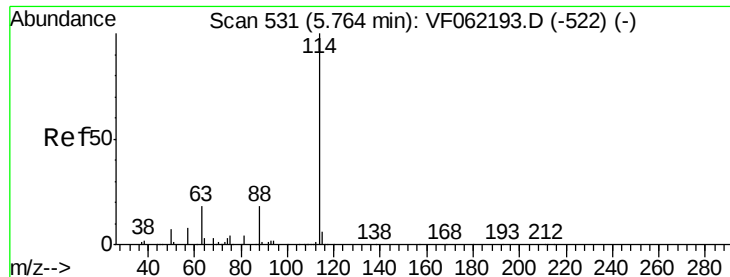
Tgt Ion: 65 Resp: 193627

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.02 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :

MSVOA_F

ClientSampled :

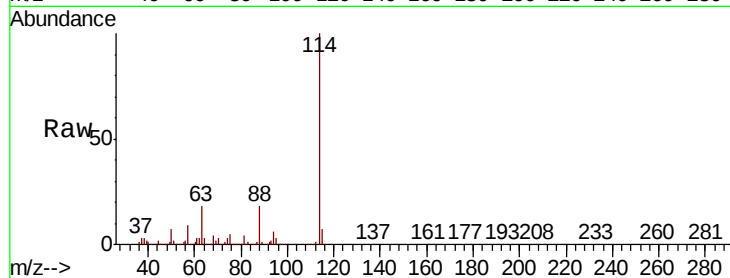
Tot Ion:114 Resp: 567277

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.6

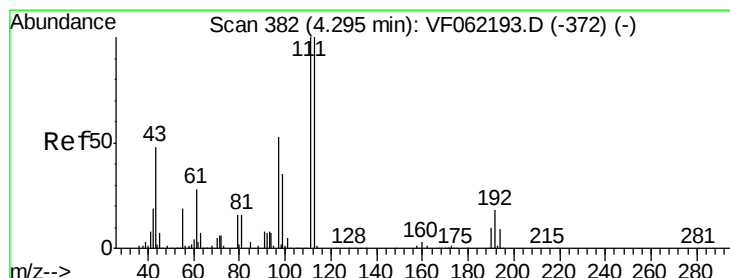
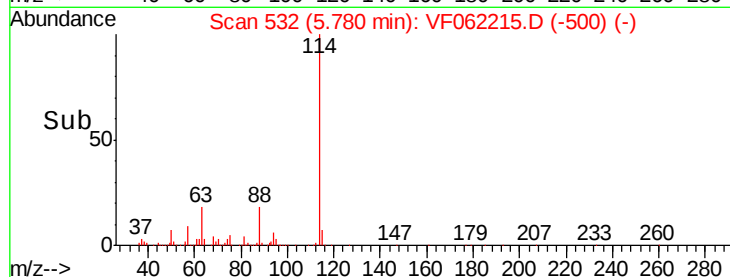
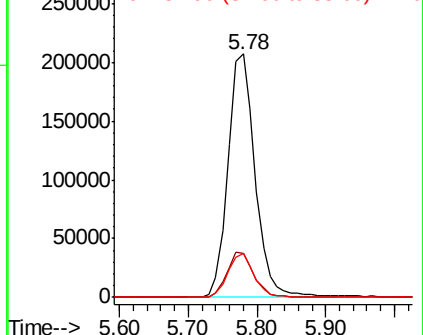
88 18.1 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 50.345 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.02 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

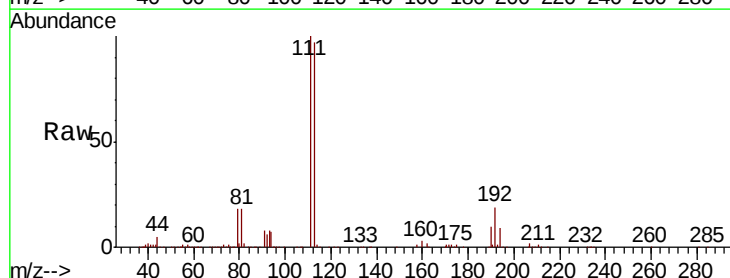
Tgt Ion:113 Resp: 249822

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

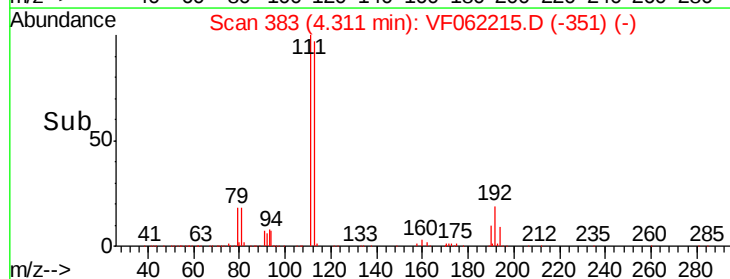
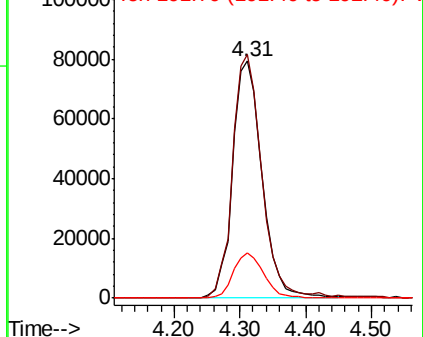
192 19.8 14.7 22.1

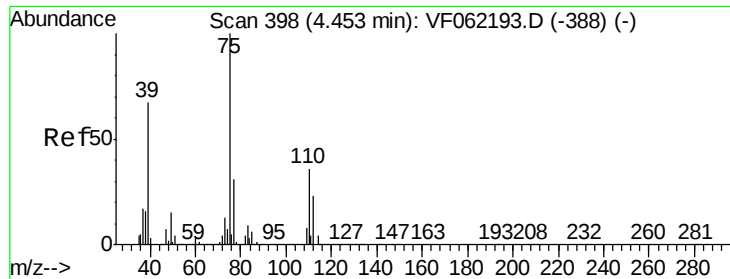


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 11.363 ug/l

RT: 4.22 min Scan# 374

Delta R.T. -0.23 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :
MSVOA_F
ClientSampleId :

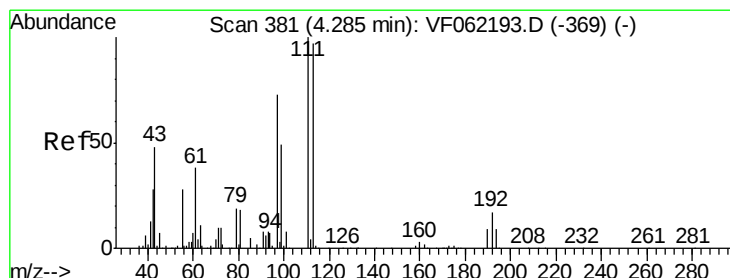
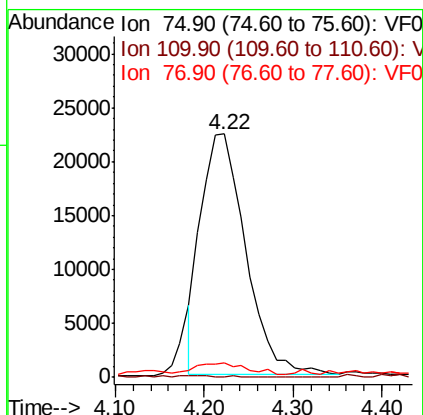
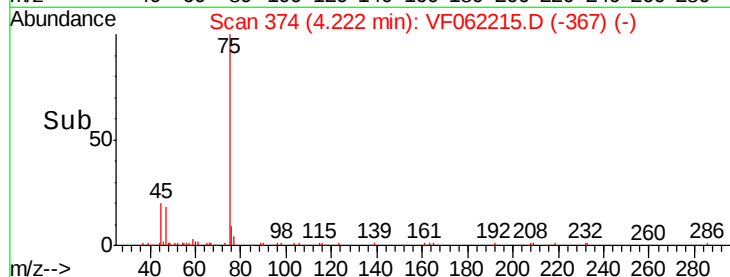
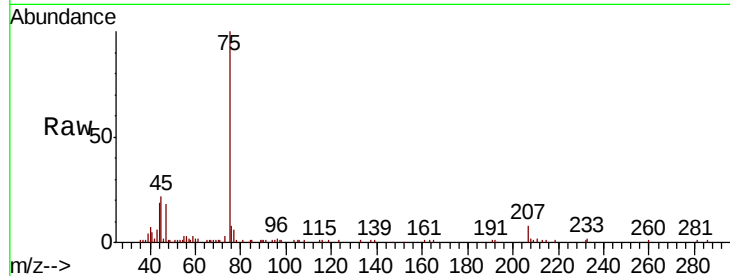
Tot Ion: 75 Resp: 77285

Ion Ratio Lower Upper

75 100

110 0.1 18.4 55.2#

77 4.9 25.4 38.2#



#37

Ethyl Acetate

Concen: 1.076 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.07 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

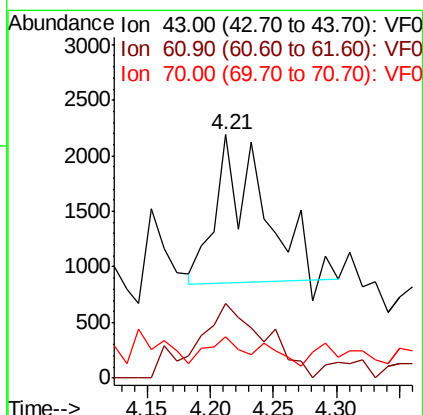
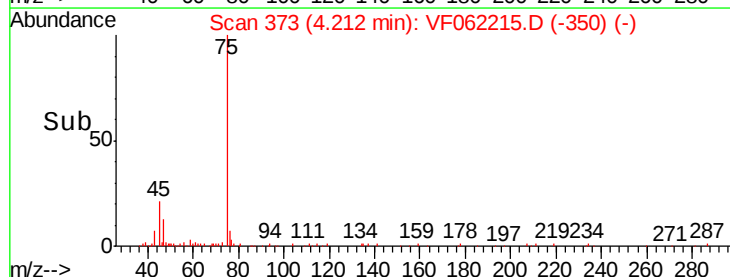
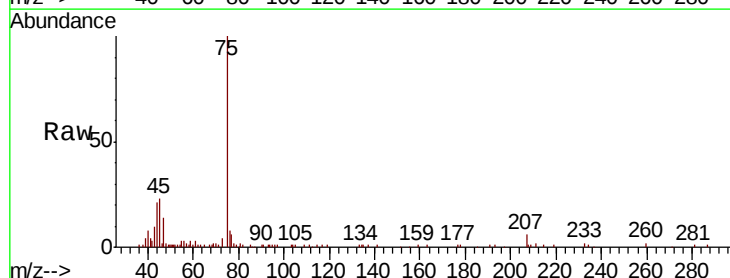
Tgt Ion: 43 Resp: 3453

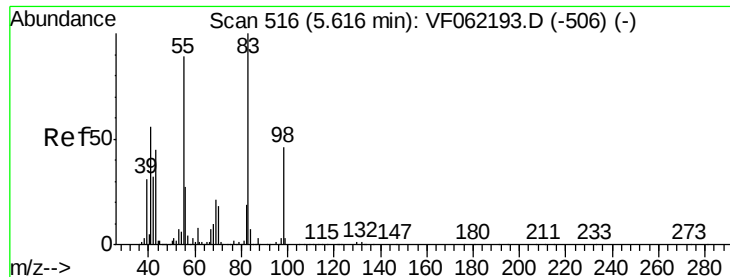
Ion Ratio Lower Upper

43 100

61 73.0 0.0 0.0#

70 12.7 7.8 11.6#

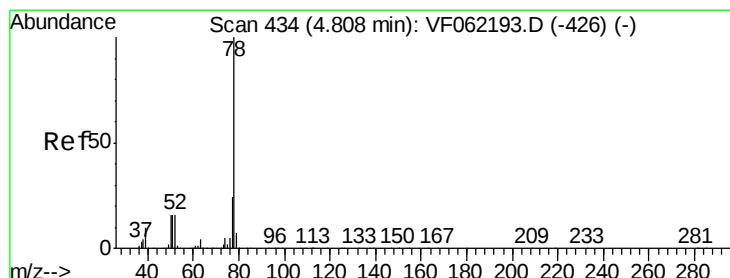
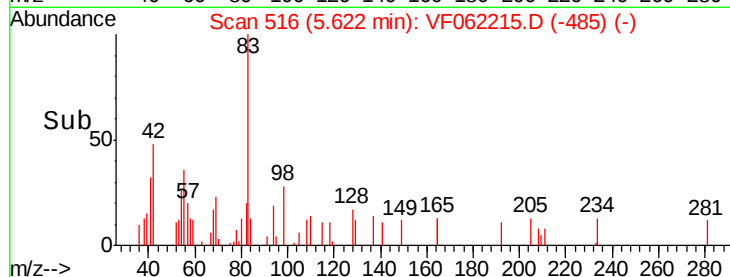
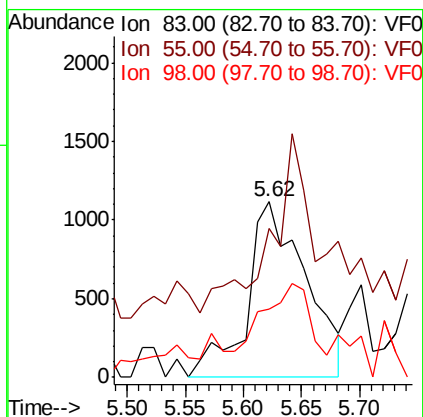
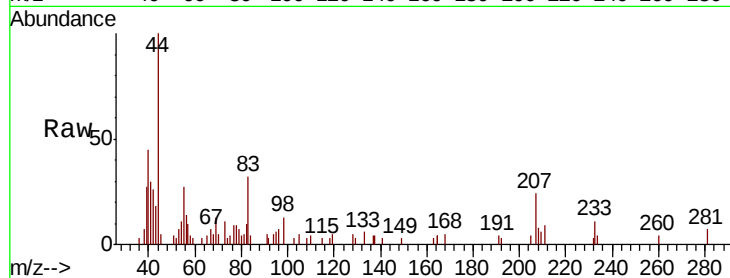




#39
Methylcyclohexane
Concen: 0.480 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

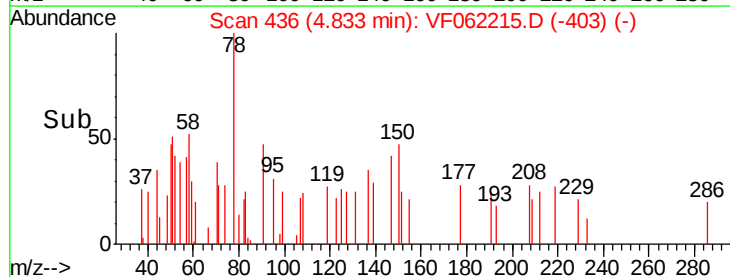
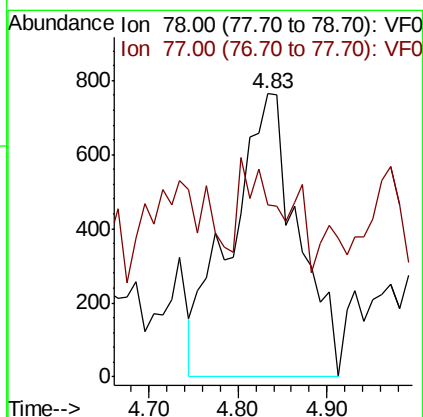
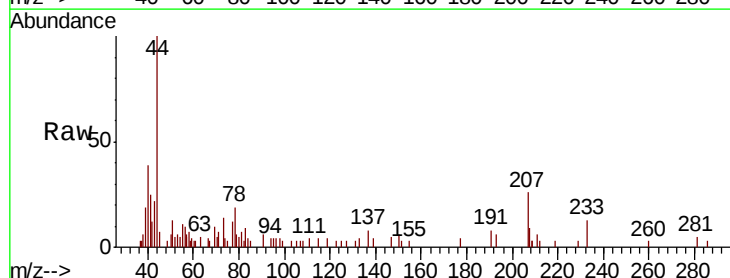
Instrument :
MSVOA_F
ClientSampleId :

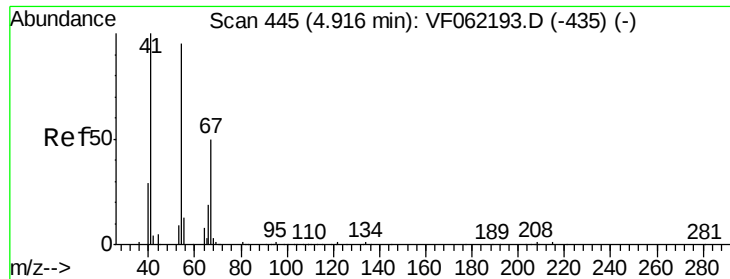
Tot Ion: 83 Resp: 3905
Ion Ratio Lower Upper
83 100
55 37.8 71.0 106.6#
98 28.3 36.7 55.1#



#40
Benzene
Concen: 0.223 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.03 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Tgt Ion: 78 Resp: 3984
Ion Ratio Lower Upper
78 100
77 11.9 18.9 28.3#

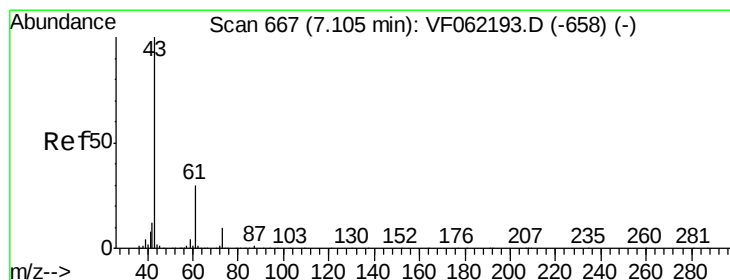
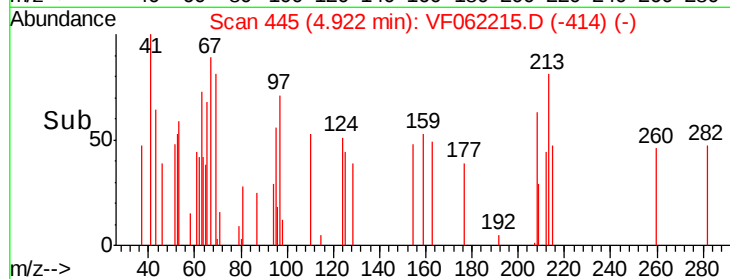
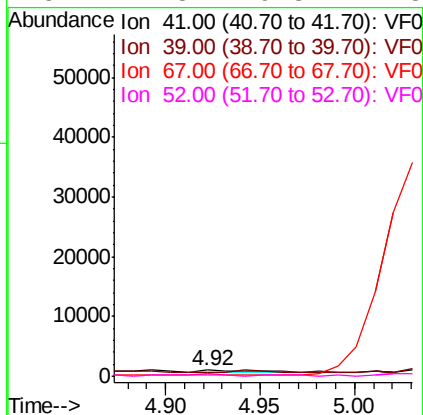
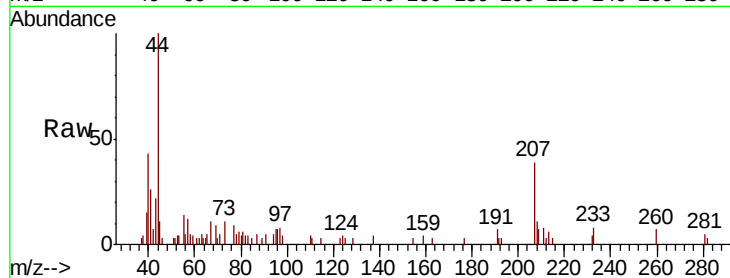




#41
Methacrylonitrile
Concen: 0.458 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

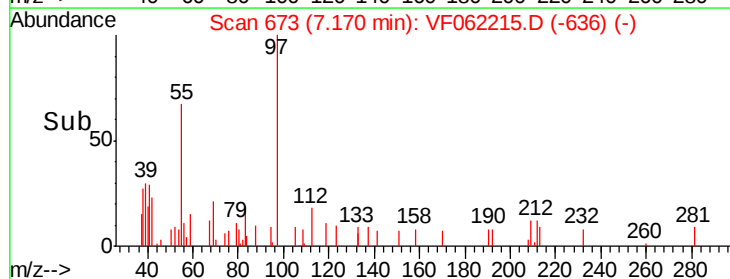
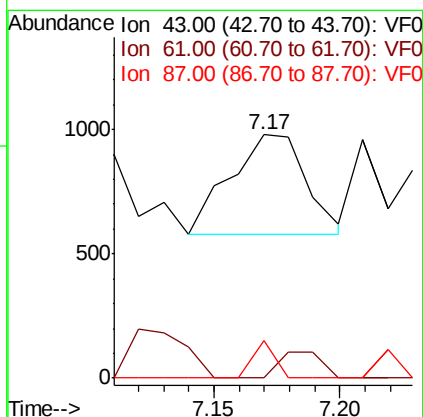
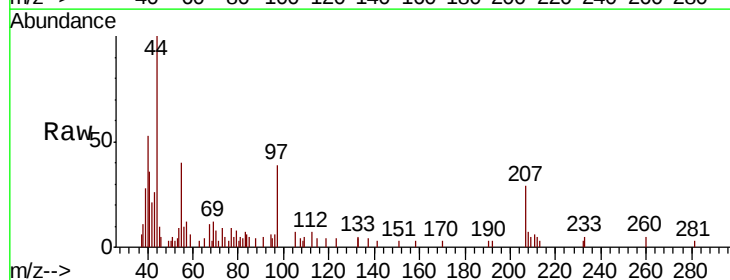
Instrument :
MSVOA_F
ClientSampleId :

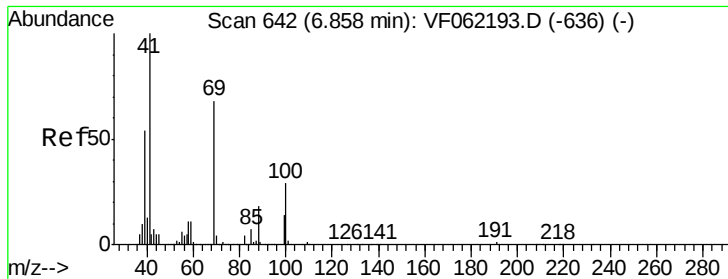
Tot Ion:	41	Resp:	848
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.7	67.1#
67	0.0	39.1	58.7#
52	72.8	49.8	74.8



#43
Isopropyl Acetate
Concen: 0.252 ug/l
RT: 7.17 min Scan# 673
Delta R.T. 0.07 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Tgt Ion:	43	Resp:	850
Ion	Ratio	Lower	Upper
43	100		
61	14.6	24.4	36.6#
87	10.6	0.4	0.6#

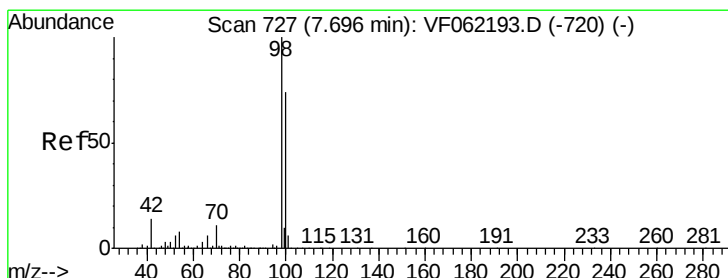
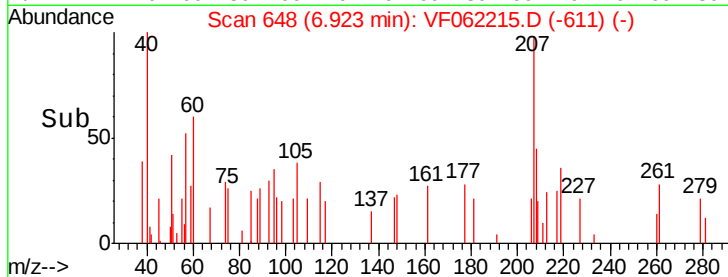
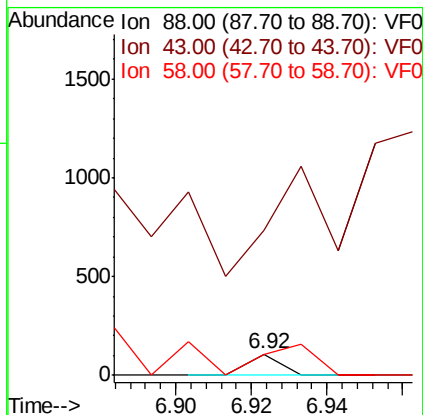
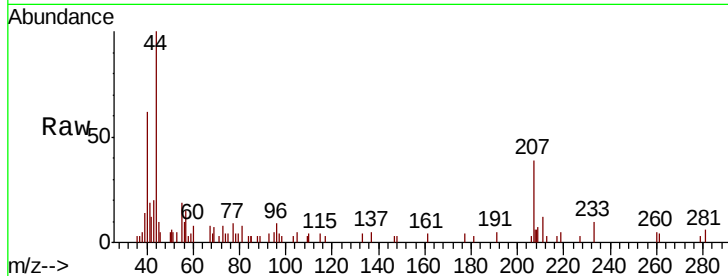




#49
1,4-Dioxane
Concen: 2.476 ug/l
RT: 6.92 min Scan# 648
Delta R.T. 0.07 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

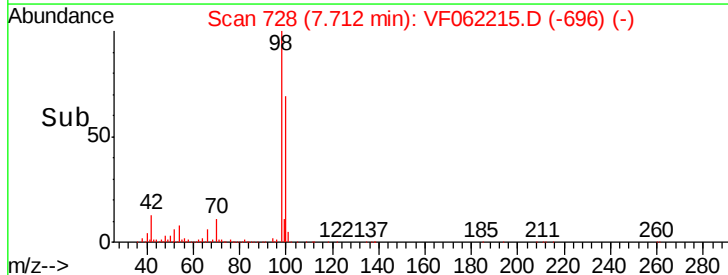
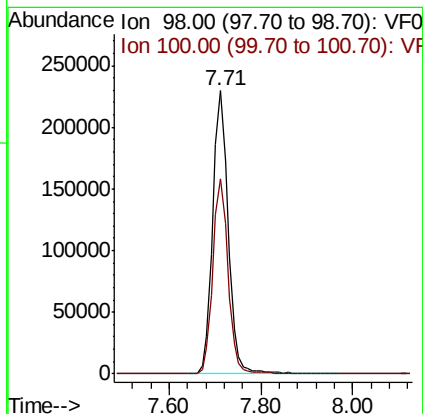
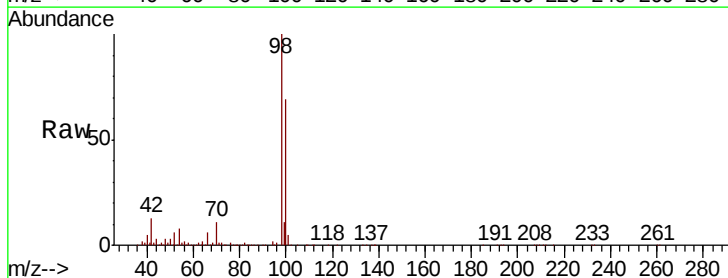
Instrument :
MSVOA_F
ClientSampleId :

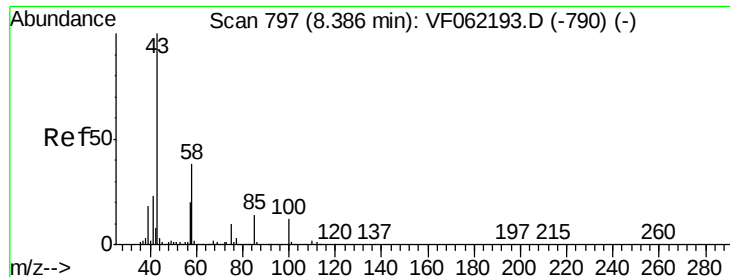
Tot Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 36.9 55.3#
58 247.6 56.8 85.2#



#50
Toluene-d8
Concen: 42.209 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.02 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Tgt Ion: 98 Resp: 530187
Ion Ratio Lower Upper
98 100
100 67.8 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 2.744 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.04 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

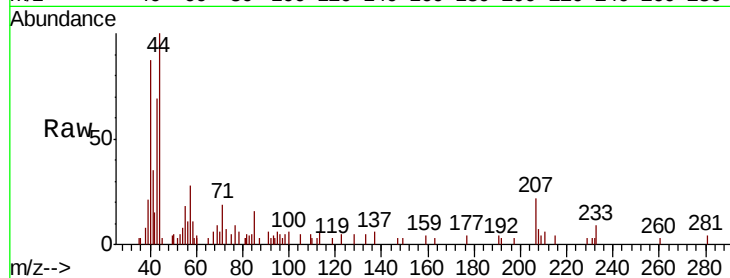
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 6890

Ion Ratio Lower Upper

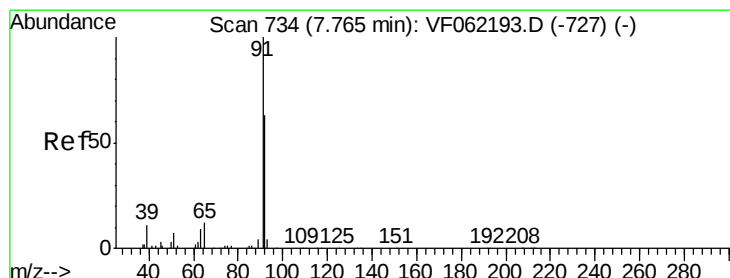
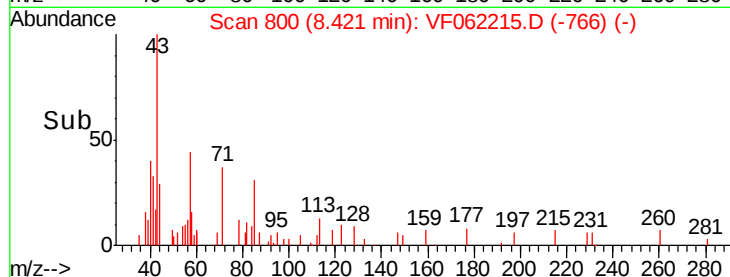
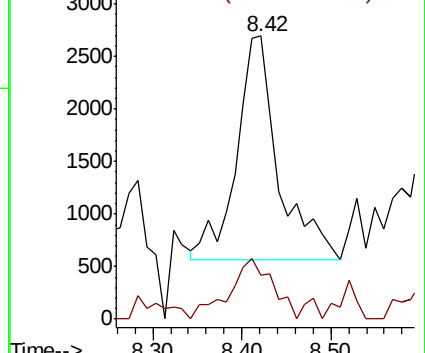
43 100

58 28.0 29.3 43.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 0.644 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.02 min

Lab File: VF062215.D

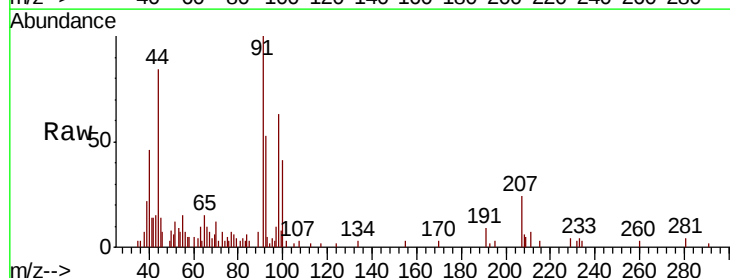
Acq: 18 Apr 2019 20:04

Tgt Ion: 92 Resp: 6059

Ion Ratio Lower Upper

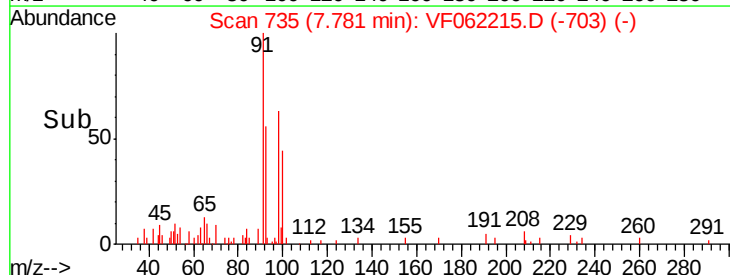
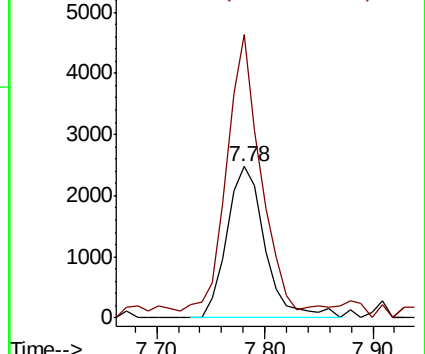
92 100

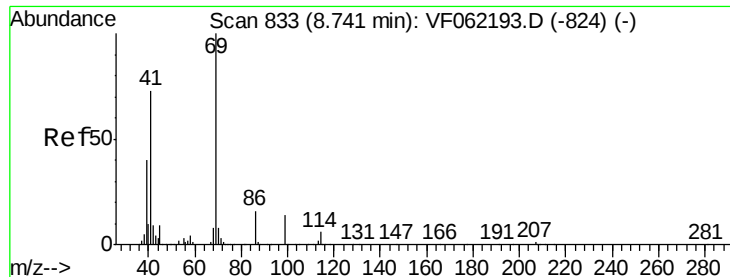
91 159.2 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#56

Ethyl methacrylate

Concen: 2.548 ug/l

RT: 8.77 min Scan# 835

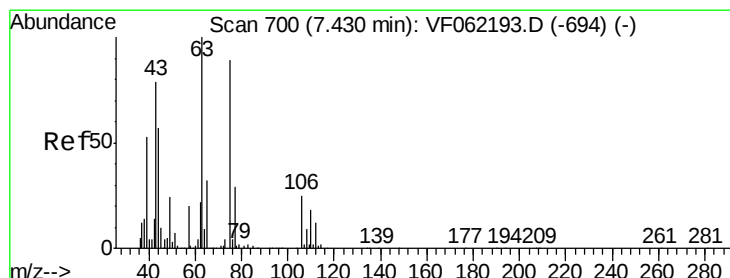
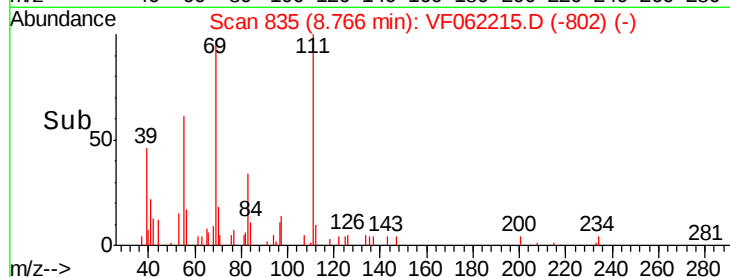
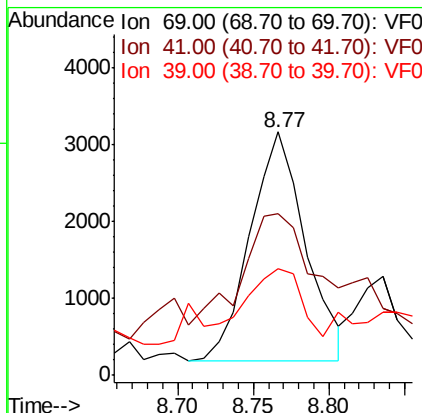
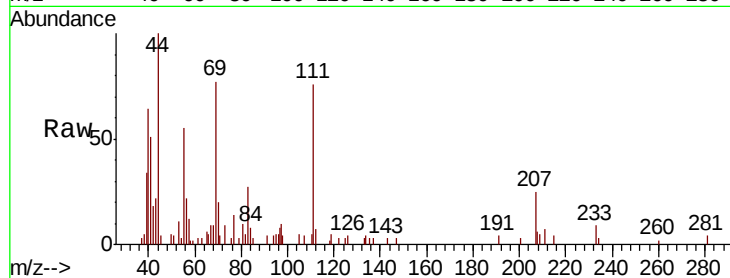
Delta R.T. 0.03 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	69	Resp:	7631
Ion	Ratio	Lower	Upper
69	100		
41	77.5	61.5	92.3
39	26.7	33.3	49.9#



#58

2-Chloroethyl Vinyl ether

Concen: 1.329 ug/l

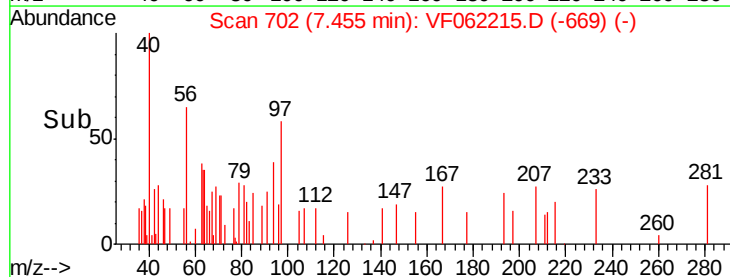
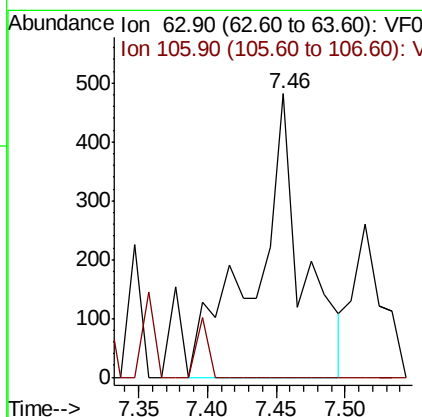
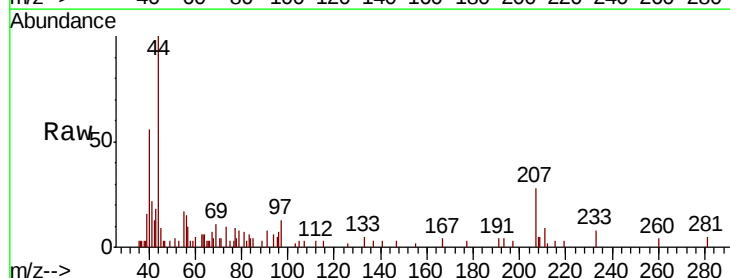
RT: 7.46 min Scan# 702

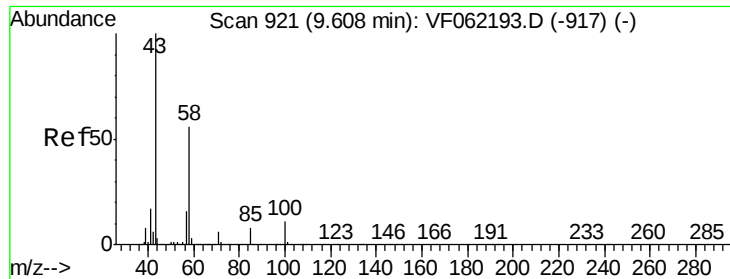
Delta R.T. 0.03 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Tgt Ion:	63	Resp:	1156
Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.4	32.0#

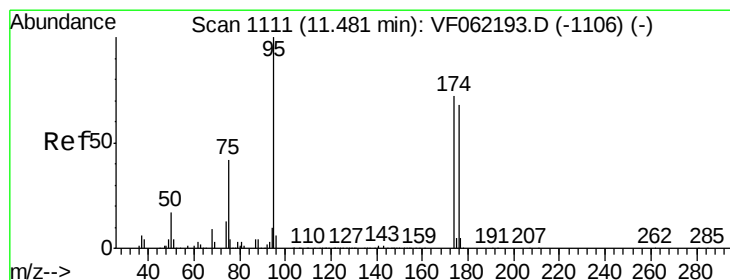
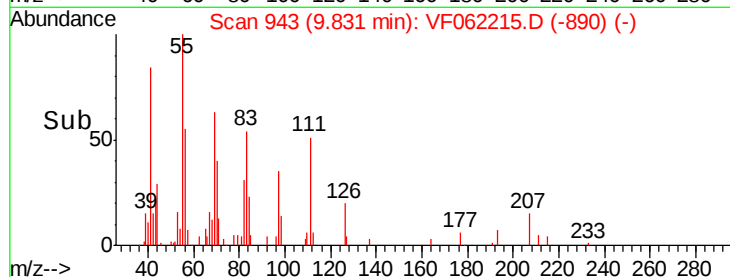
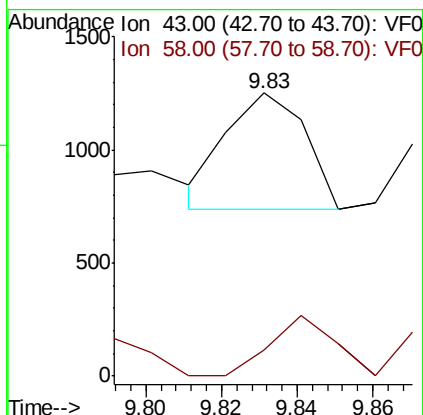
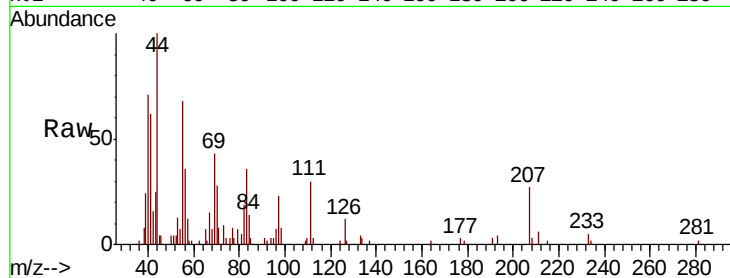




#59
2-Hexanone
Concen: 0.612 ug/l
RT: 9.83 min Scan# 943
Delta R.T. 0.22 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

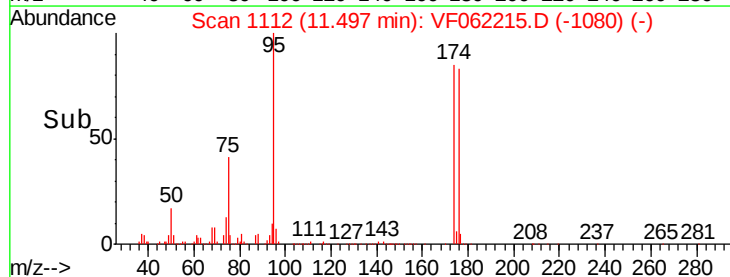
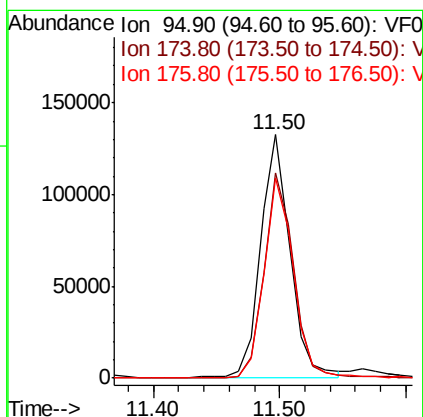
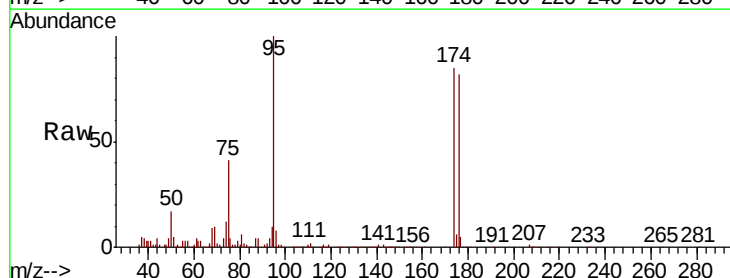
Instrument :
MSVOA_F
ClientSampled :

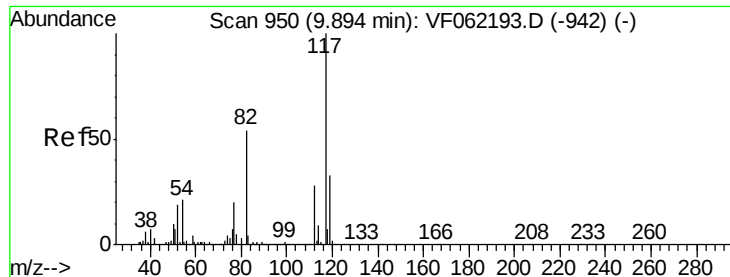
Tot Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
58 41.7 24.6 74.0



#62
4-Bromofluorobenzene
Concen: 44.484 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Tgt Ion: 95 Resp: 214952
Ion Ratio Lower Upper
95 100
174 85.5 0.0 159.4
176 83.6 0.0 155.4

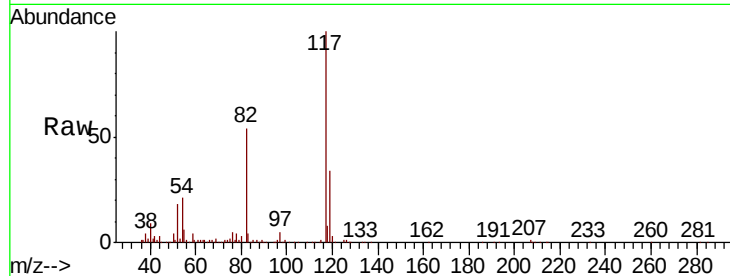




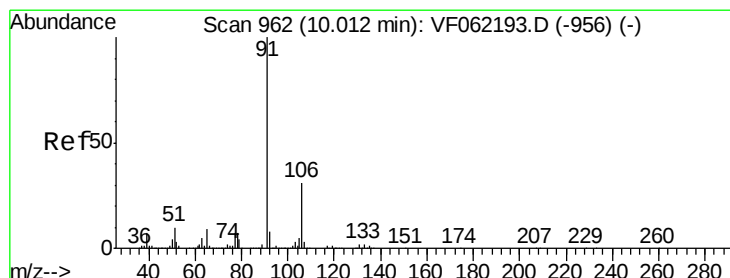
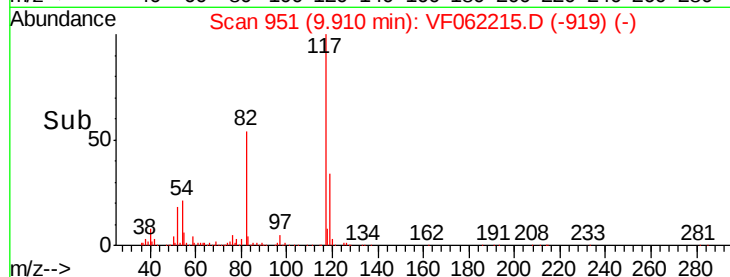
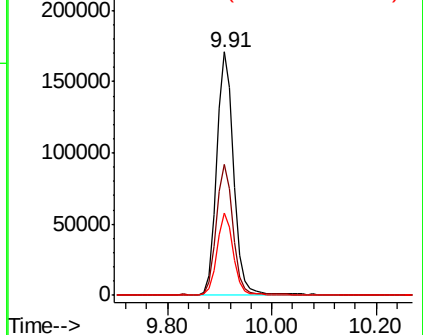
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.02 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 389901
Ion Ratio Lower Upper
117 100
82 53.6 43.2 64.8
119 33.5 26.2 39.4

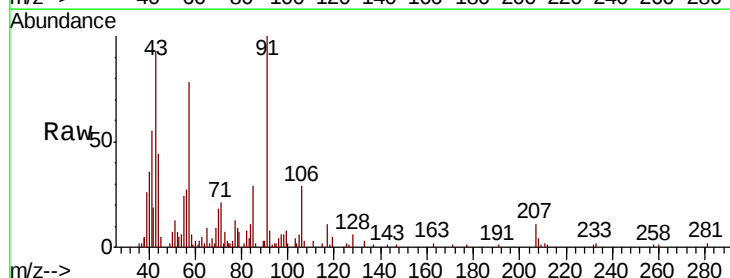


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

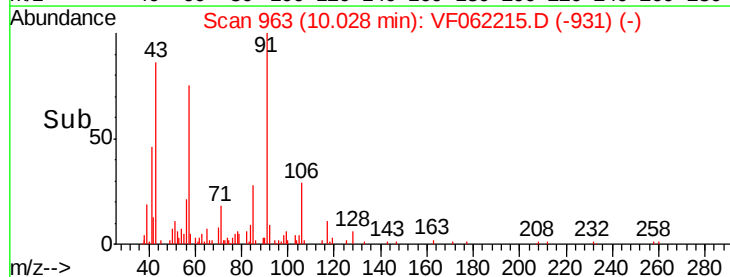
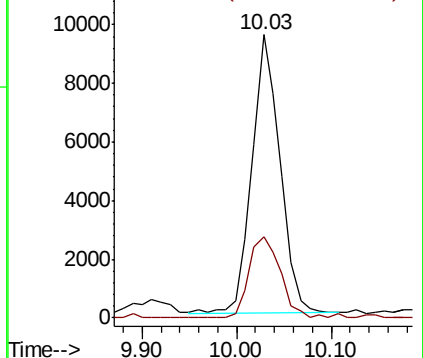


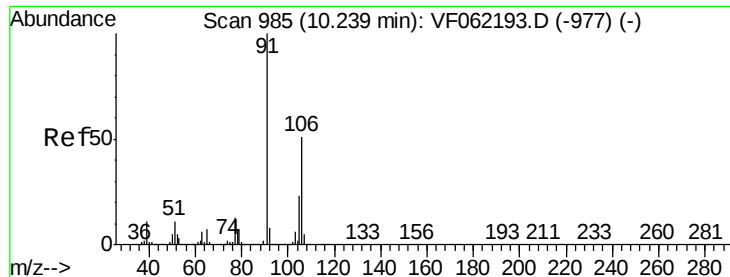
#67
Ethyl Benzene
Concen: 1.289 ug/l
RT: 10.03 min Scan# 963
Delta R.T. 0.02 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Tgt Ion: 91 Resp: 19494
Ion Ratio Lower Upper
91 100
106 29.1 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 106.00 (105.70 to 106.70): V

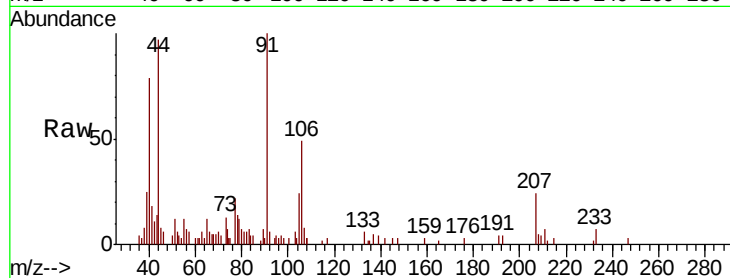




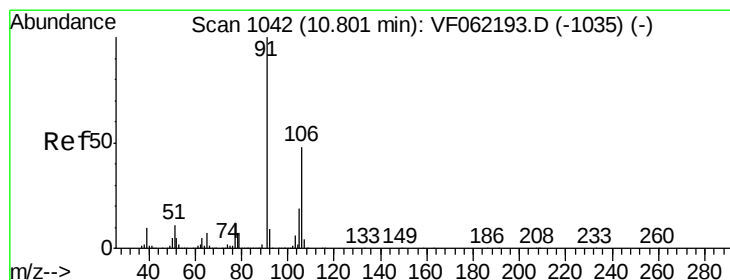
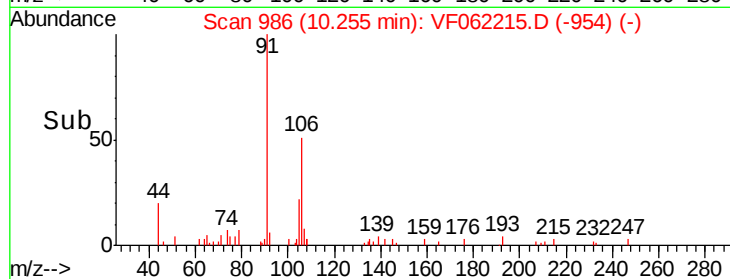
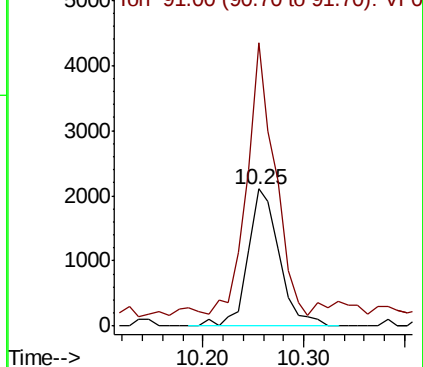
#68
m/p-Xylenes
Concen: 0.823 ug/l
RT: 10.25 min Scan# 986
Delta R.T. 0.02 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 4580
Ion Ratio Lower Upper
106 100
91 176.0 159.1 238.7

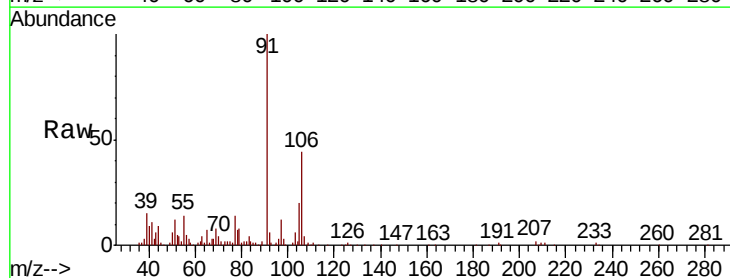


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

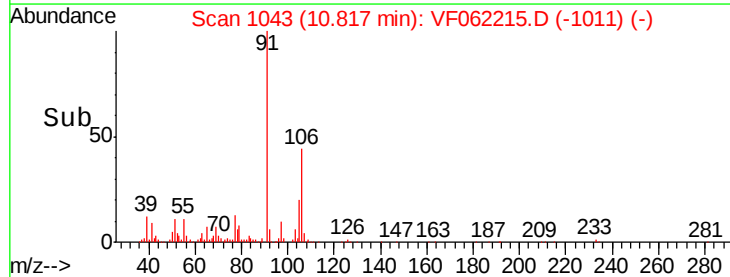
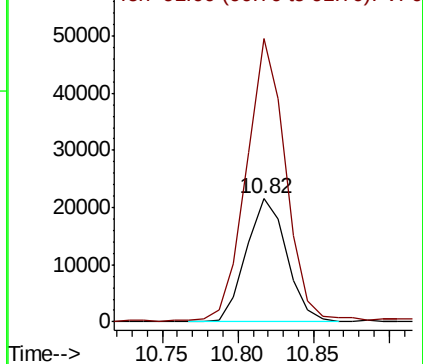


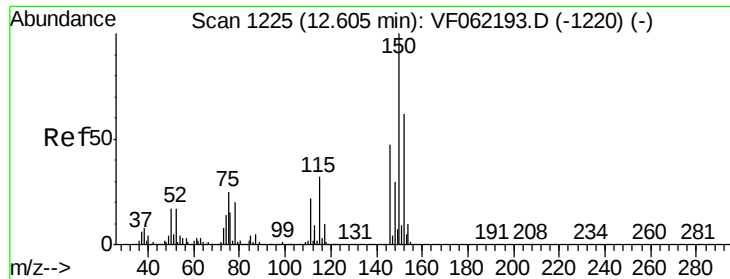
#69
o-Xylene
Concen: 6.516 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Tgt Ion:106 Resp: 40261
Ion Ratio Lower Upper
106 100
91 221.5 107.5 322.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0



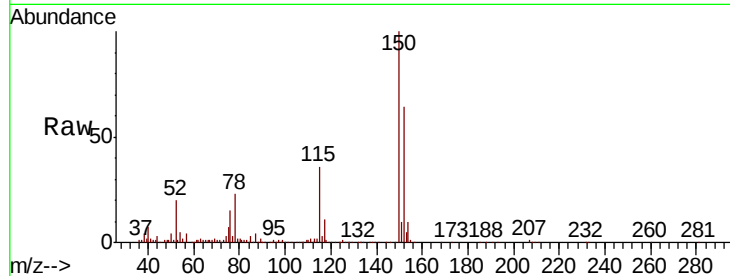


#72

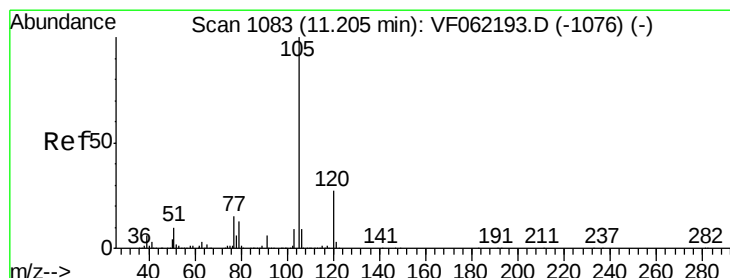
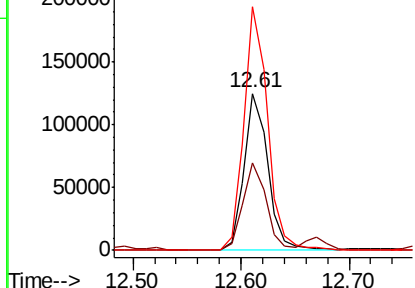
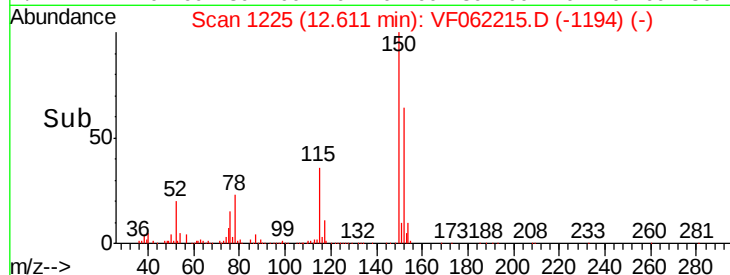
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.8	83.3
150	154.9	0.0	341.8



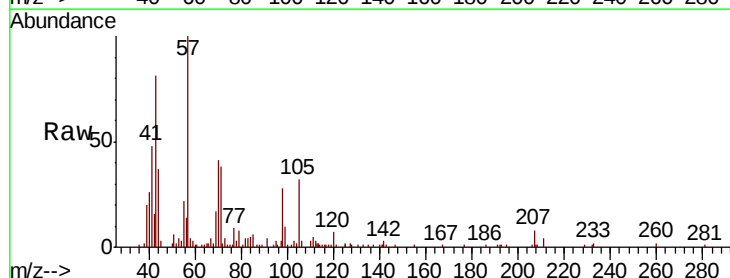
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



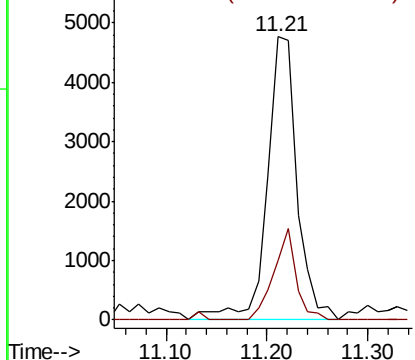
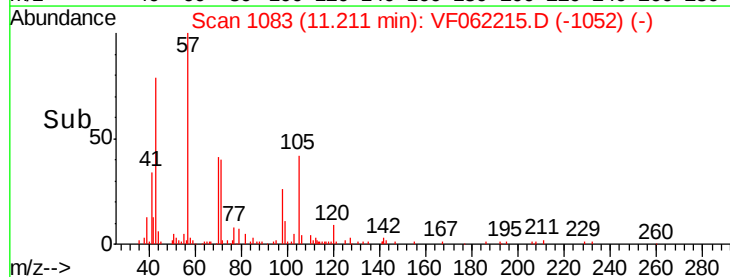
#73

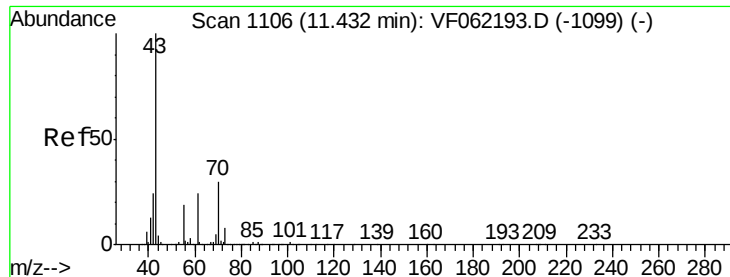
Isopropylbenzene
Concen: 0.595 ug/l
RT: 11.21 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VF062215.D
Acq: 18 Apr 2019 20:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.2	13.0	38.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 11.47 min Scan# 1109

Delta R.T. 0.04 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 4314

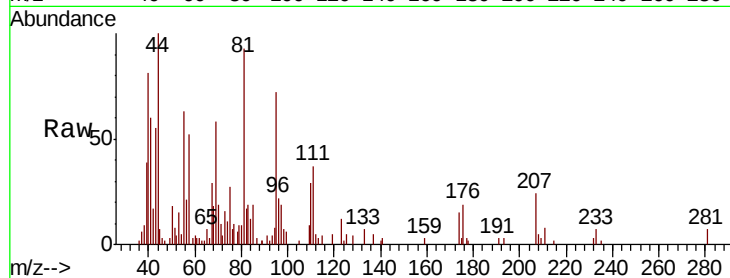
Ion Ratio Lower Upper

43 100

70 0.0 27.0 40.4#

55 0.0 15.7 23.5#

61 0.0 20.8 31.2#

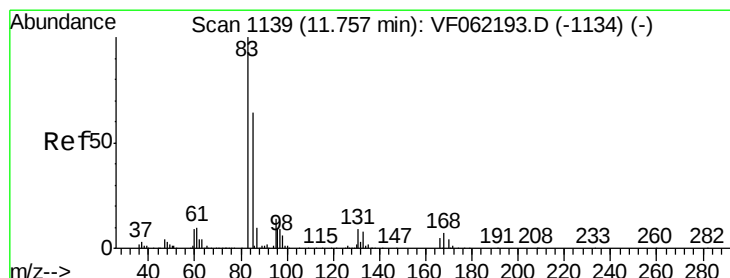
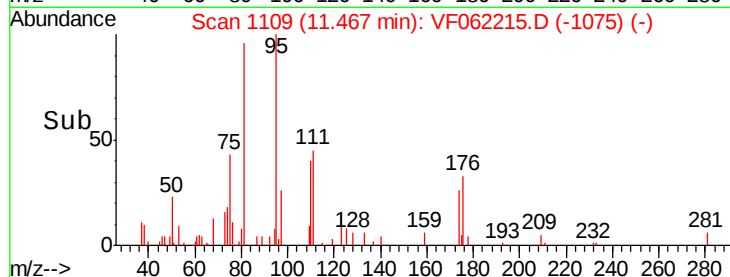
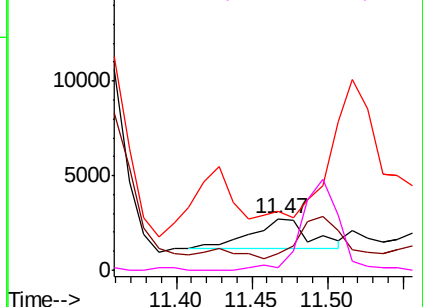


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.575 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

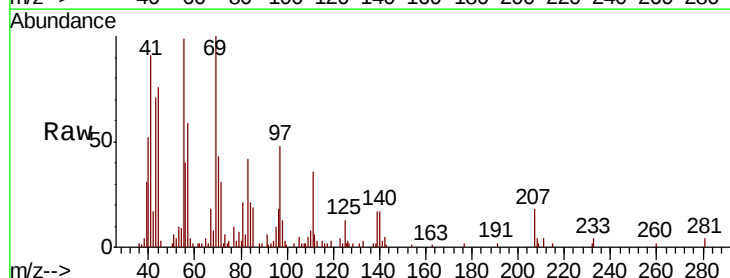
Tgt Ion: 83 Resp: 4448

Ion Ratio Lower Upper

83 100

131 6.8 4.5 13.5

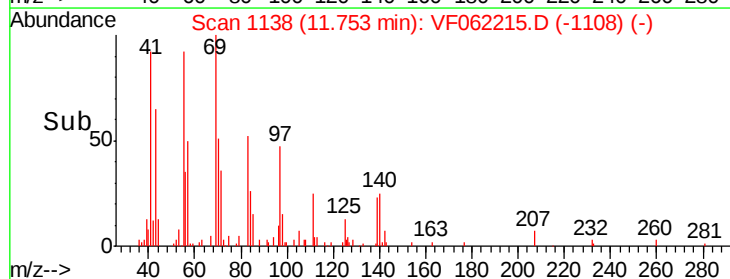
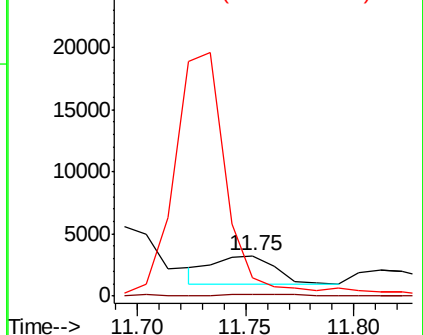
85 0.0 34.7 104.1#

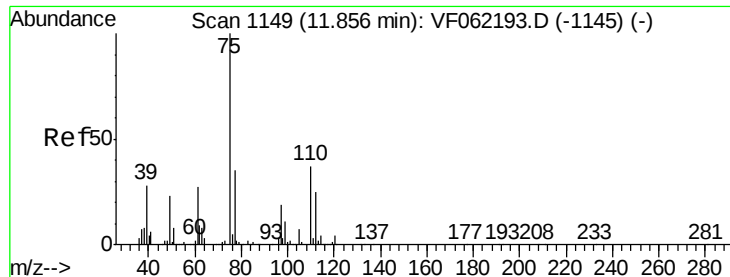


Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0





#76

1,2,3-Trichloropropane

Concen: 1.119 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.04 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :

MSVOA_F

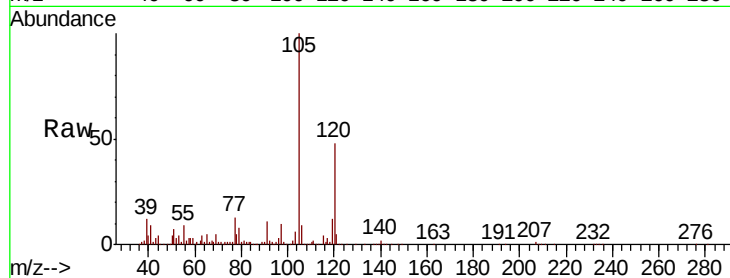
ClientSampleId :

Tot Ion: 75 Resp: 2174

Ion Ratio Lower Upper

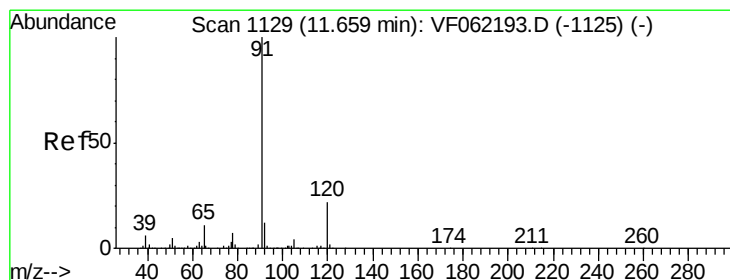
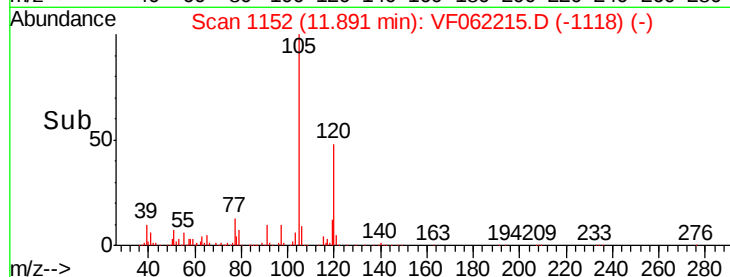
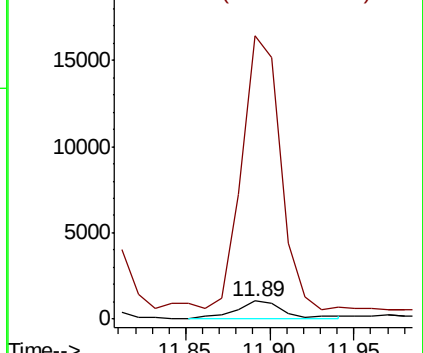
75 100

77 1166.4 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0



#78

n-propylbenzene

Concen: 1.787 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VF062215.D

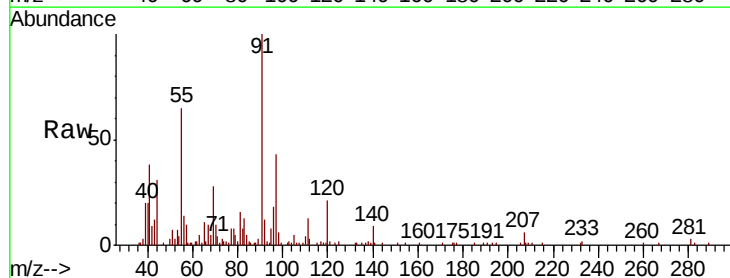
Acq: 18 Apr 2019 20:04

Tgt Ion: 91 Resp: 30972

Ion Ratio Lower Upper

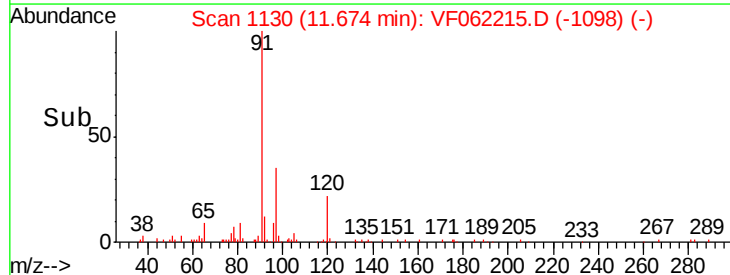
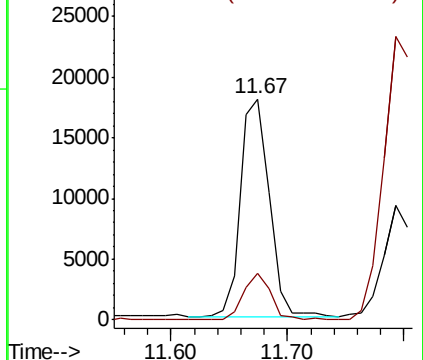
91 100

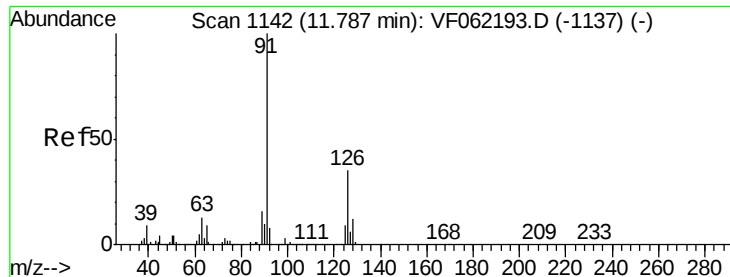
120 20.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

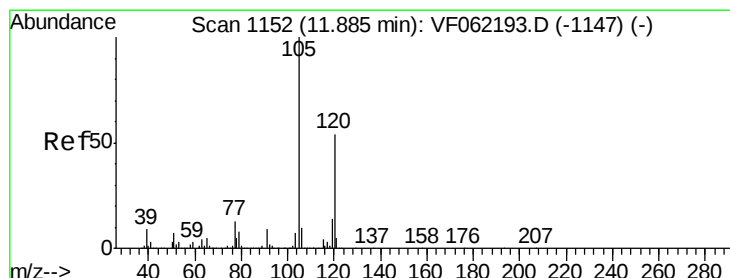
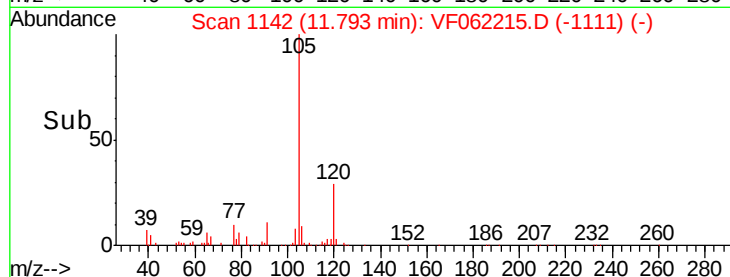
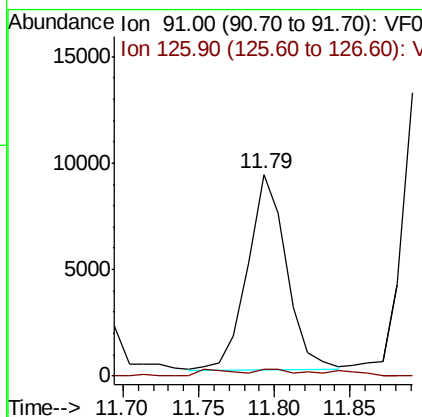
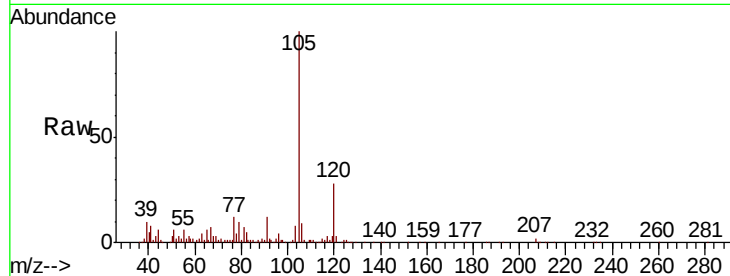




#79
 2-Chlorotoluene
 Concen: 1.574 ug/l
 RT: 11.79 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VF062215.D
 Acq: 18 Apr 2019 20:04

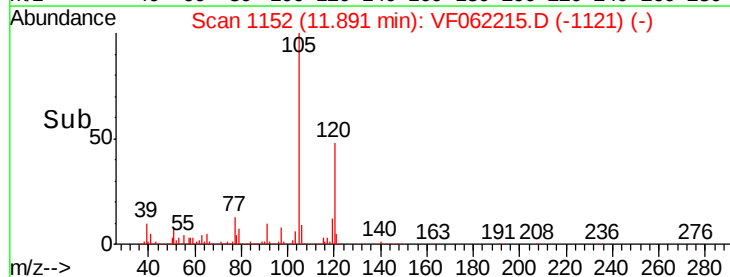
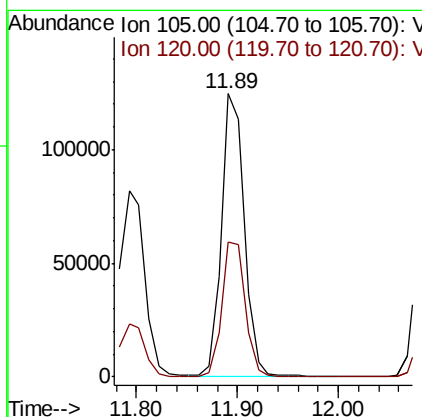
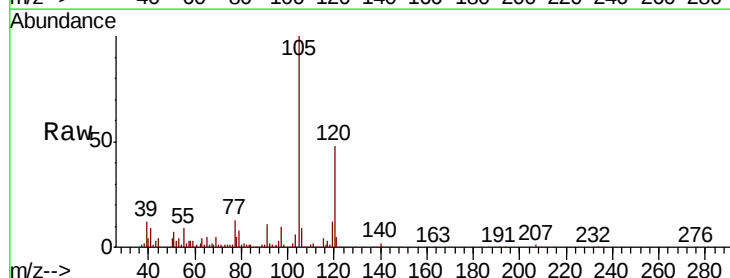
Instrument :
 MSVOA_F
 ClientSampled :

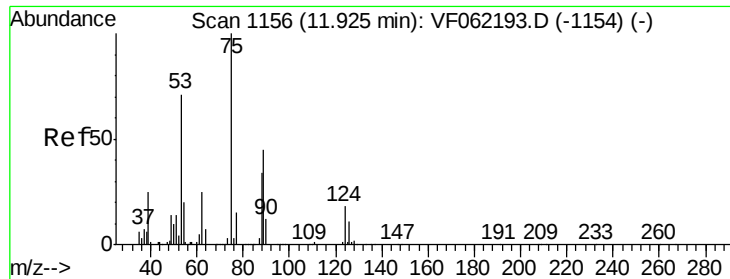
Tot Ion: 91 Resp: 16545
 Ion Ratio Lower Upper
 91 100
 126 1.4 16.9 50.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 14.367 ug/l
 RT: 11.89 min Scan# 1152
 Delta R.T. 0.01 min
 Lab File: VF062215.D
 Acq: 18 Apr 2019 20:04

Tgt Ion:105 Resp: 196549
 Ion Ratio Lower Upper
 105 100
 120 49.1 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 2.193 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.03 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :

MSVOA_F

ClientSampled :

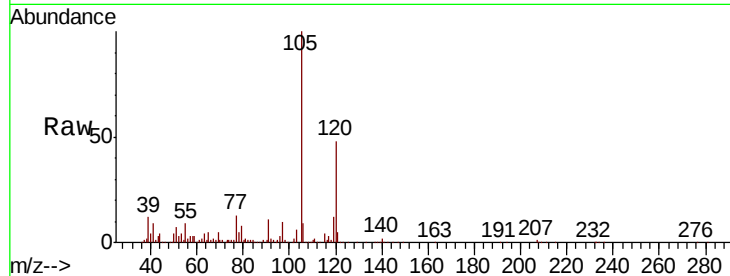
Tot Ion: 75 Resp: 2174

Ion Ratio Lower Upper

75 100

53 270.4 50.2 75.4#

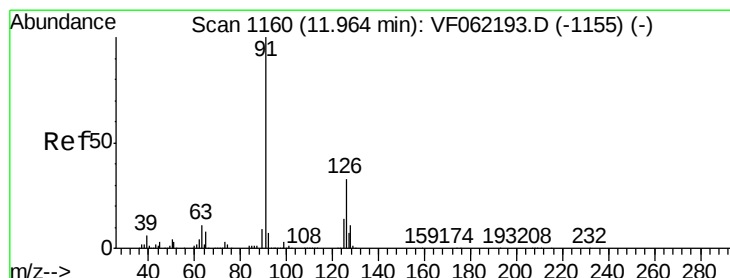
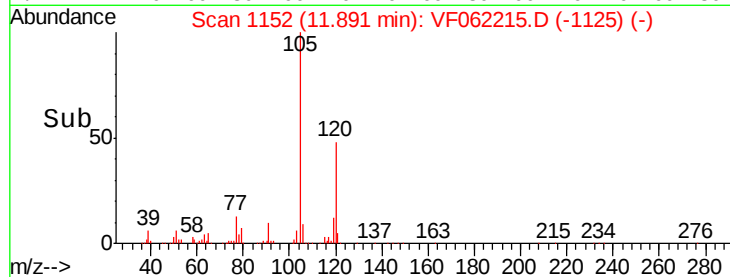
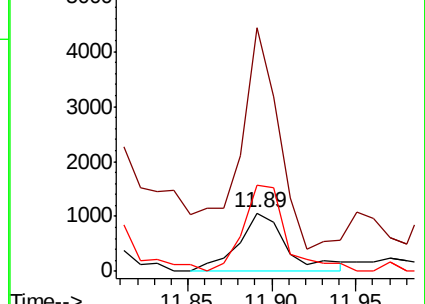
89 128.0 0.0 0.0#



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: 0.249 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. 0.23 min

Lab File: VF062215.D

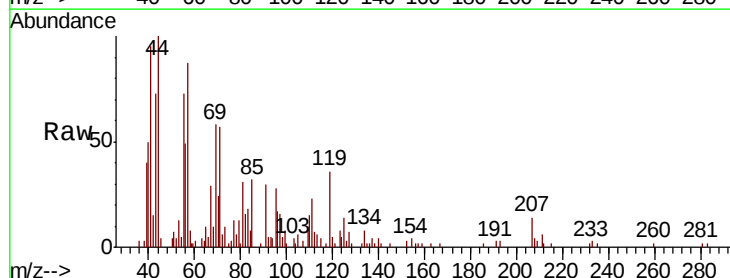
Acq: 18 Apr 2019 20:04

Tgt Ion: 91 Resp: 2530

Ion Ratio Lower Upper

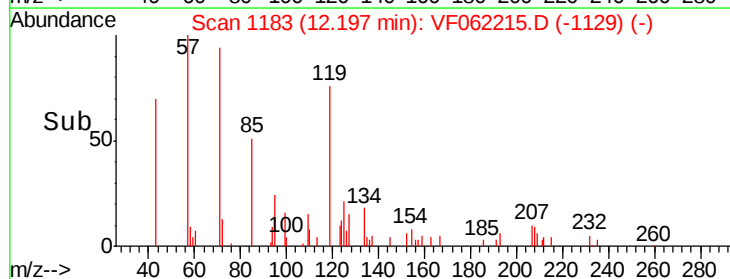
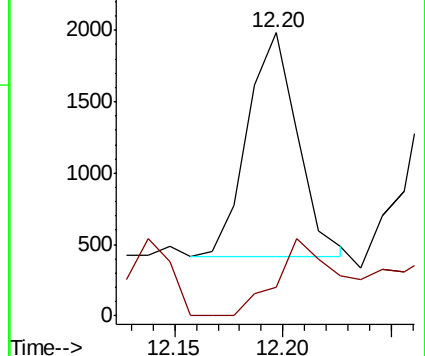
91 100

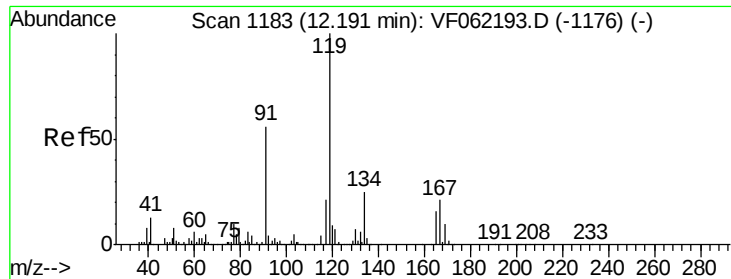
126 37.0 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.245 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :

MSVOA_F

ClientSampleId :

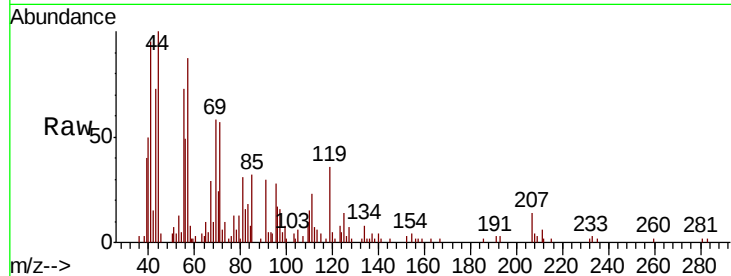
Tot Ion:119 Resp: 3466

Ion Ratio Lower Upper

119 100

91 82.8 29.4 88.2

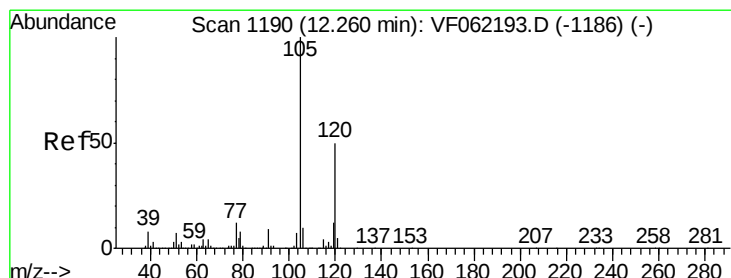
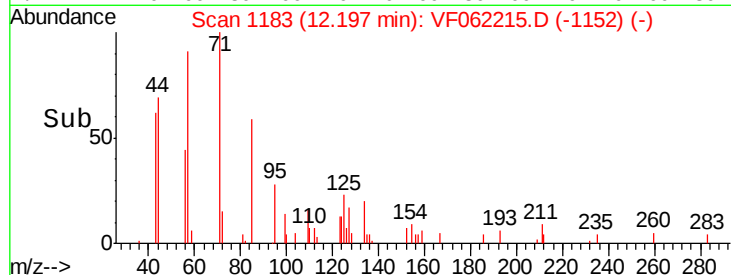
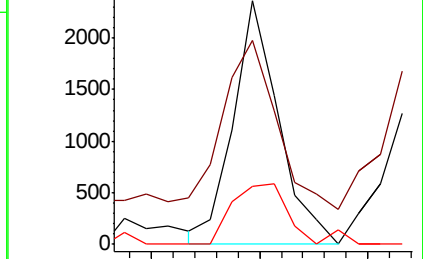
134 31.9 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.124 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VF062215.D

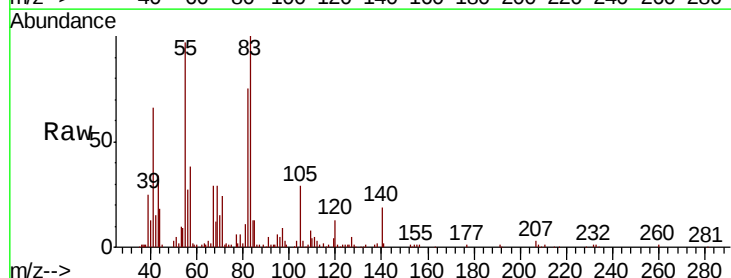
Acq: 18 Apr 2019 20:04

Tgt Ion:105 Resp: 14878

Ion Ratio Lower Upper

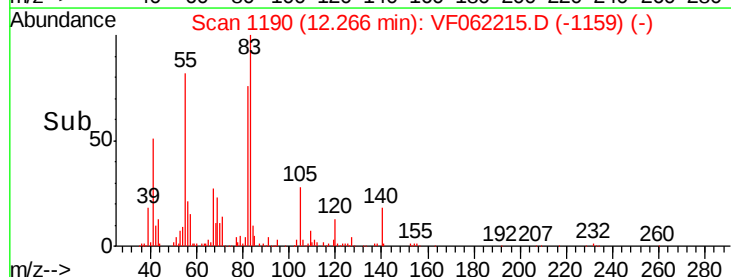
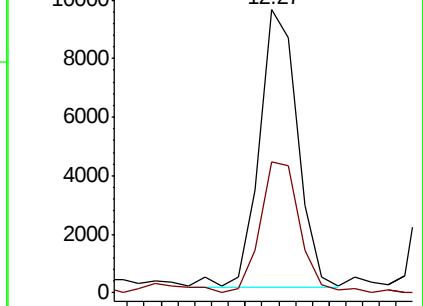
105 100

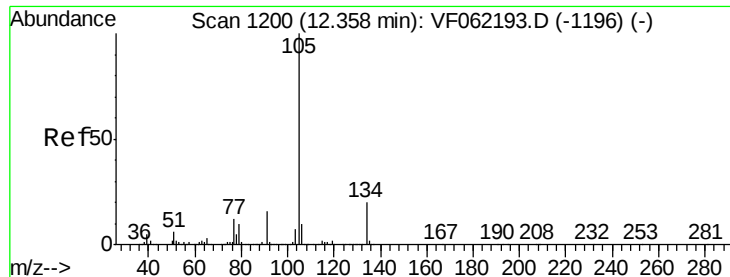
120 49.8 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.049 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :

MSVOA_F

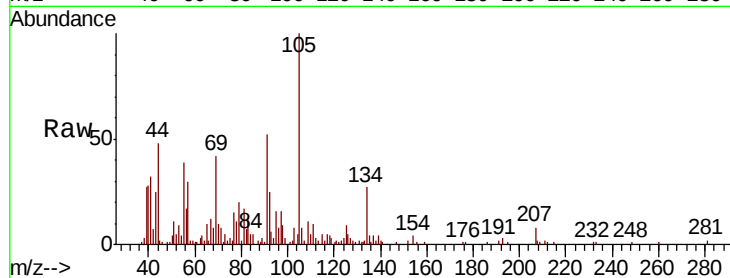
ClientSampled :

Tot Ion:105 Resp: 19276

Ion Ratio Lower Upper

105 100

134 26.8 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

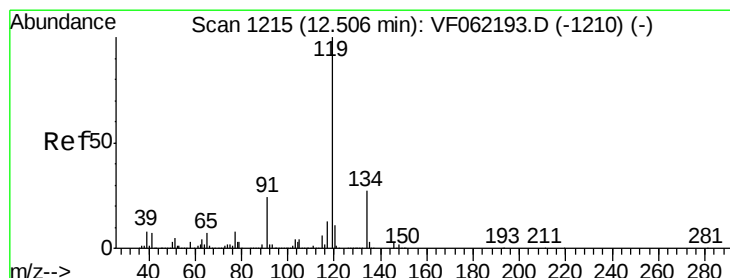
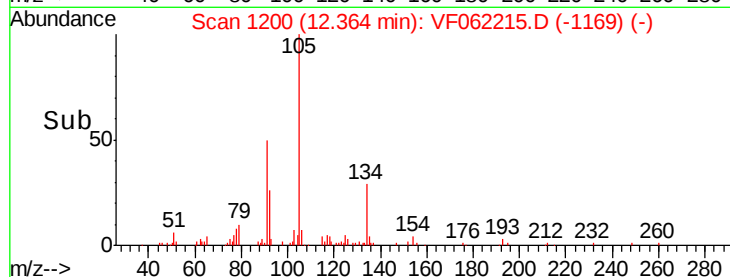
12.36

10000

5000

0

Time-->



#86

p-Isopropyltoluene

Concen: 6.749 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

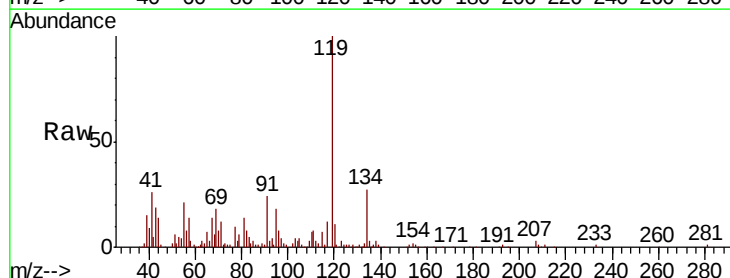
Tgt Ion:119 Resp: 105146

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 25.4 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): V

12.49

60000

50000

40000

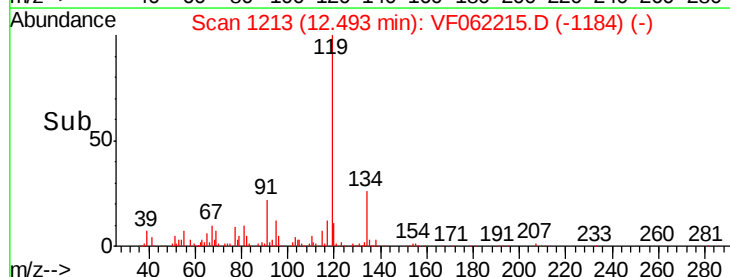
30000

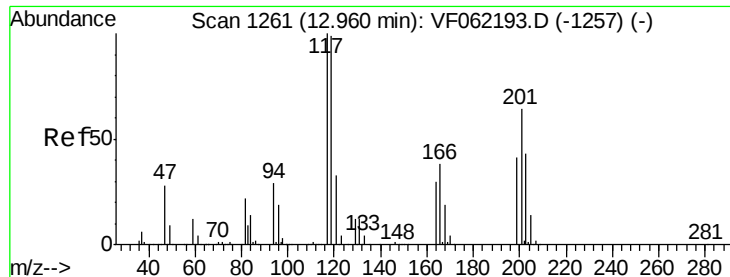
20000

10000

0

Time-->





#90

Hexachloroethane

Concen: 1.281 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. 0.03 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

Instrument :

MSVOA_F

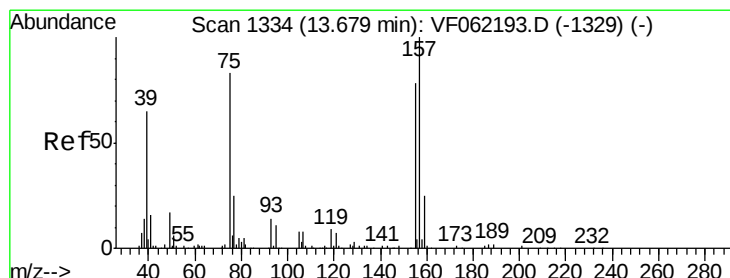
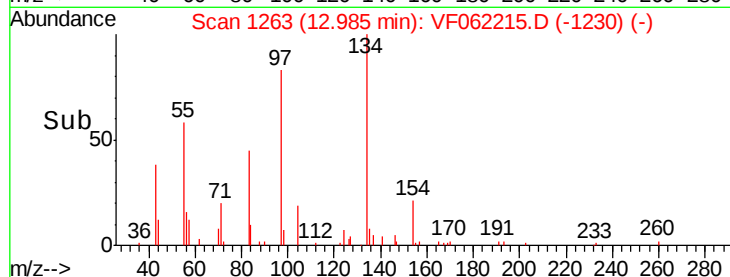
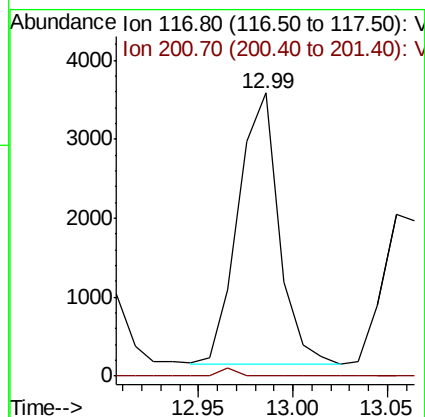
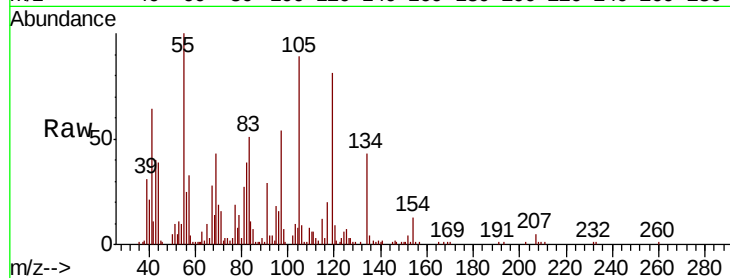
ClientSampleId :

Tot Ion:117 Resp: 5124

Ion Ratio Lower Upper

117 100

201 1.2 37.7 113.1#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.002 ug/l

RT: 13.66 min Scan# 1331

Delta R.T. -0.02 min

Lab File: VF062215.D

Acq: 18 Apr 2019 20:04

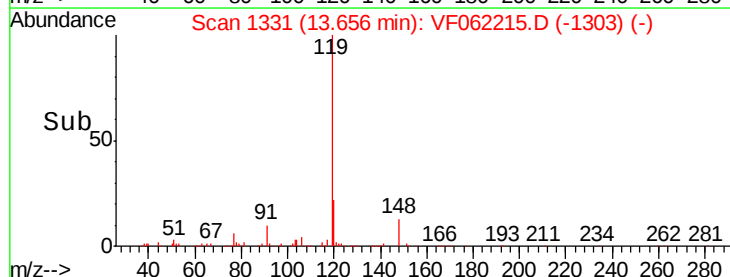
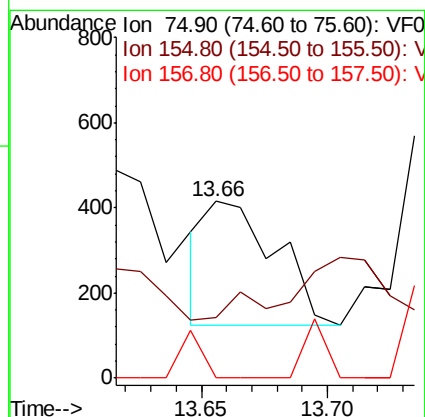
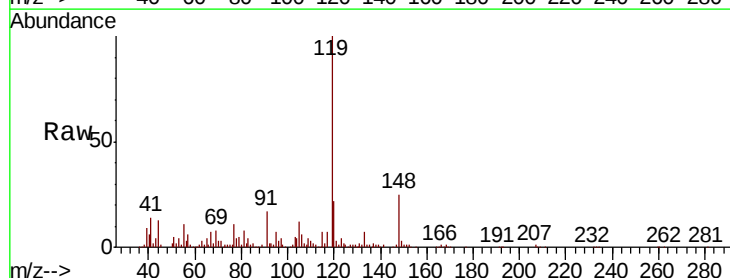
Tgt Ion: 75 Resp: 556

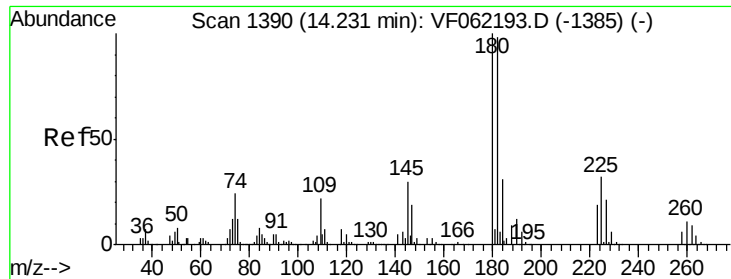
Ion Ratio Lower Upper

75 100

155 0.0 47.6 142.8#

157 11.9 61.3 183.9#

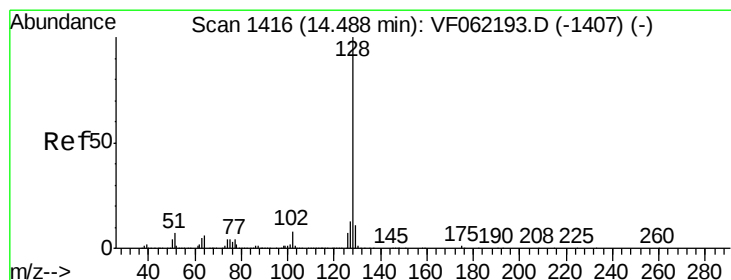
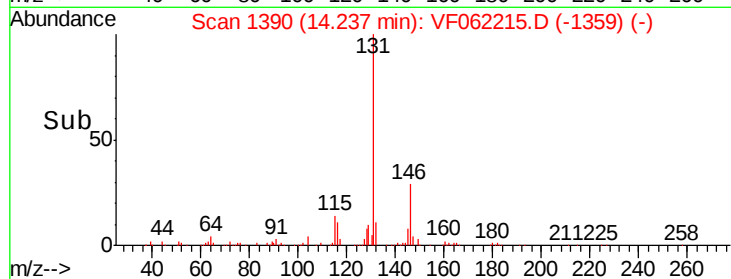
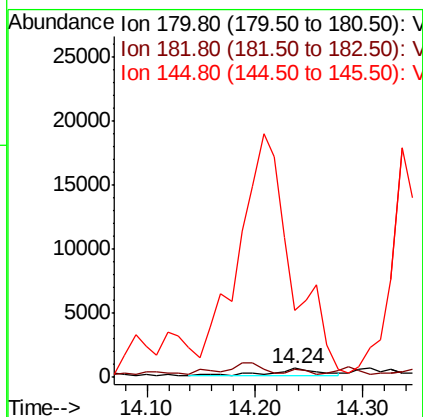
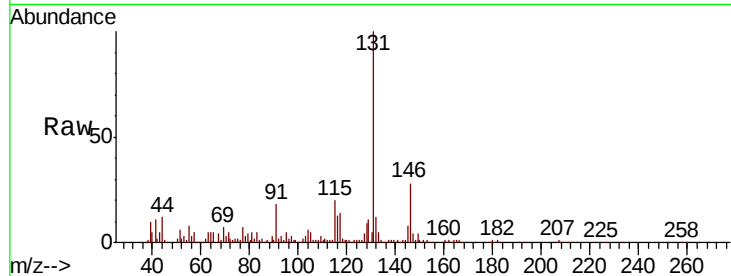




#93
 1,2,4-Trichlorobenzene
 Concen: 0.242 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062215.D
 Acq: 18 Apr 2019 20:04

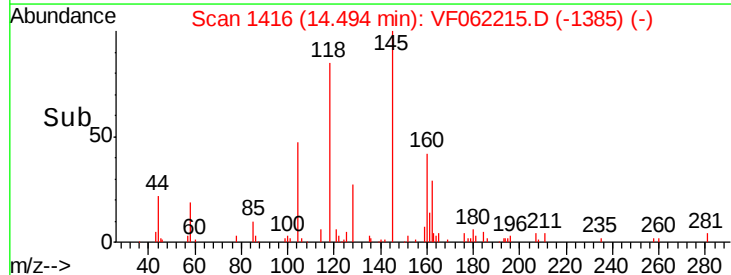
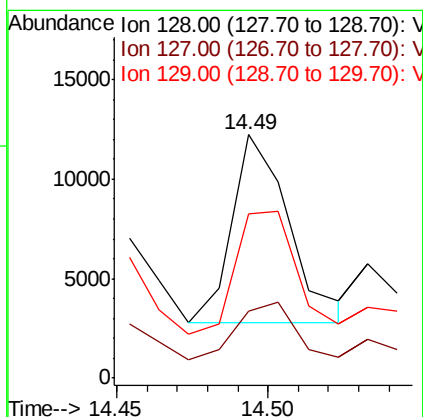
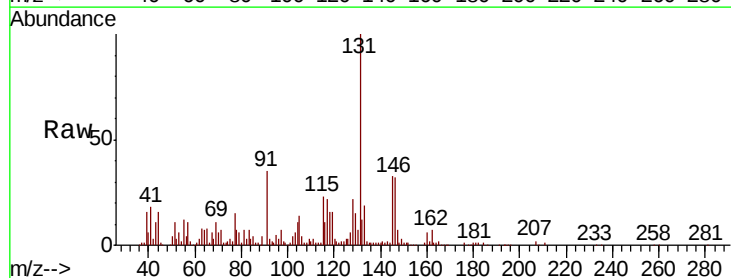
Instrument :
 MSVOA_F
 ClientSampled :

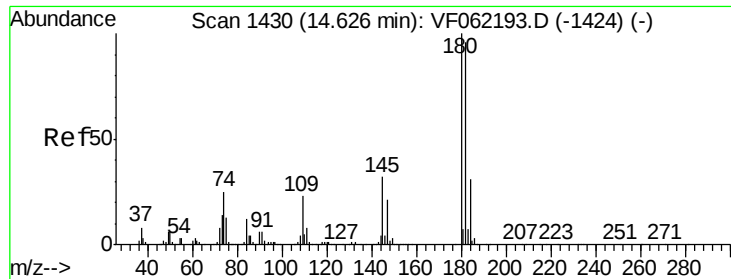
Tot Ion:180 Resp: 1277
 Ion Ratio Lower Upper
 180 100
 182 45.8 49.3 147.9#
 145 0.0 18.1 54.4#



#95
 Naphthalene
 Concen: 1.335 ug/l
 RT: 14.49 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VF062215.D
 Acq: 18 Apr 2019 20:04

Tgt Ion:128 Resp: 12312
 Ion Ratio Lower Upper
 128 100
 127 46.3 10.4 15.6#
 129 152.0 9.2 13.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.515 ug/l
 RT: 14.67 min Scan# 1434
 Delta R.T. 0.05 min
 Lab File: VF062215.D
 Acq: 18 Apr 2019 20:04

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.4	145.3#
145	310.0	15.6	46.8#

