

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062934.D
 Acq On : 12 Jun 2019 18:16
 Operator : FY/SY
 Sample : K3156-03
 Misc : 6.75u/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:32:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	525489	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	876577	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	637446	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	228399	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	189738	52.21	ug/l	-0.03
Spiked Amount			Recovery	=	104.42%	
35) Dibromofluoromethane	4.31	113	347234	52.42	ug/l	-0.03
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	7.71	98	642189	38.34	ug/l	-0.03
Spiked Amount			Recovery	=	76.68%	
62) 4-Bromofluorobenzene	11.49	95	218502	36.26	ug/l	-0.02
Spiked Amount			Recovery	=	72.52%	

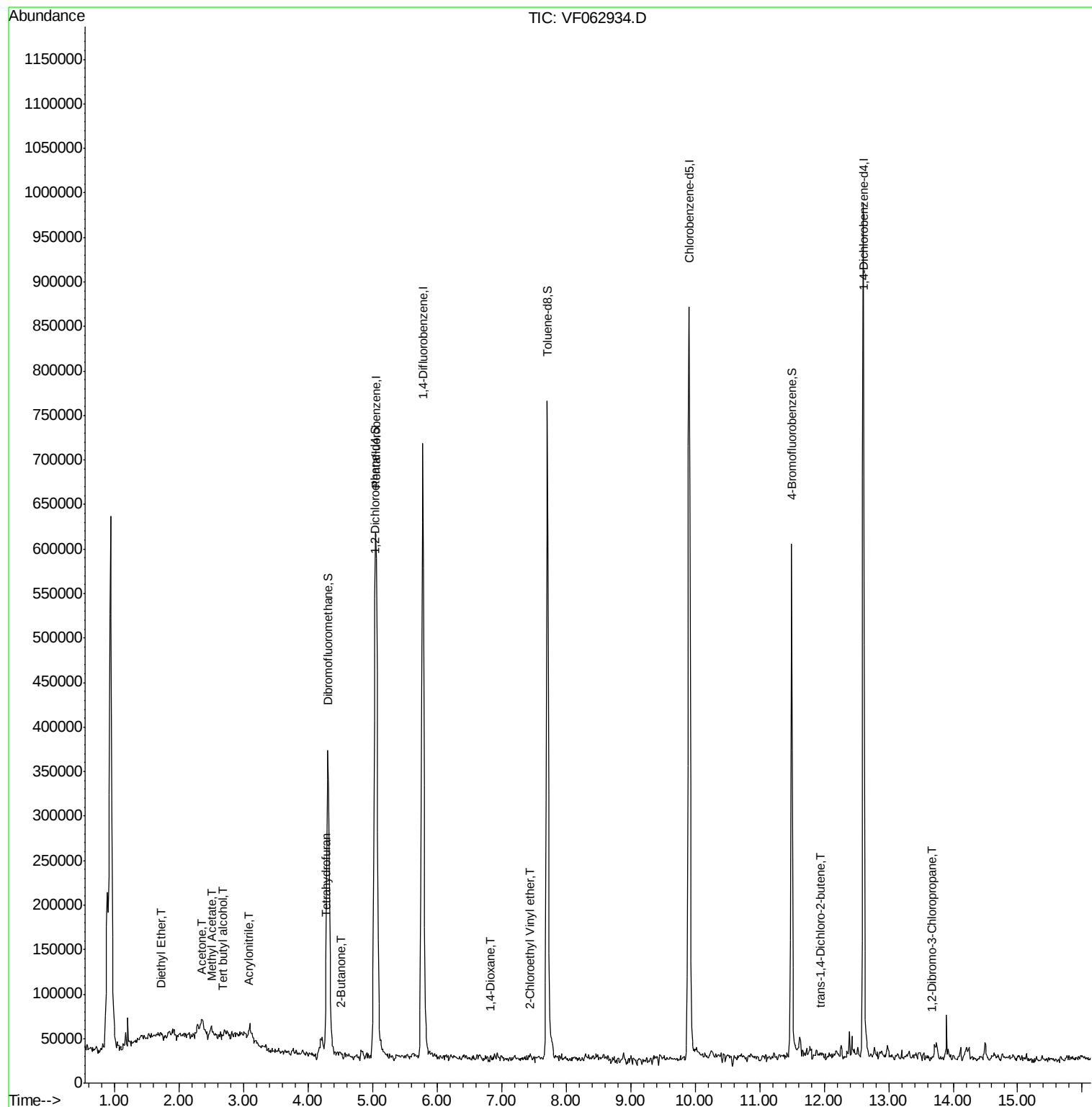
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	1205	Below Cal		92
8) Diethyl Ether	1.72	74	3014	2.003	ug/l	87
11) Tert butyl alcohol	2.68	59	3055	13.878	ug/l #	72
13) Acrolein	2.23	56	671	Below Cal		96
15) Acrylonitrile	3.08	53	1817	2.197	ug/l #	18
16) Acetone	2.36	43	11012	13.240	ug/l #	89
18) Methyl Acetate	2.50	43	5102	3.510	ug/l	92
25) 2-Butanone	4.51	43	2697	1.392	ug/l #	78
29) Tetrahydrofuran	4.27	42	1302	1.758	ug/l #	57
49) 1,4-Dioxane	6.82	88	341	12.319	ug/l #	20
58) 2-Chloroethyl Vinyl ether	7.44	63	2113	1.491	ug/l #	75
81) trans-1,4-Dichloro-2-buten	11.94	75	1060	1.110	ug/l #	61
92) 1,2-Dibromo-3-Chloropropan	13.67	75	449	1.211	ug/l #	14

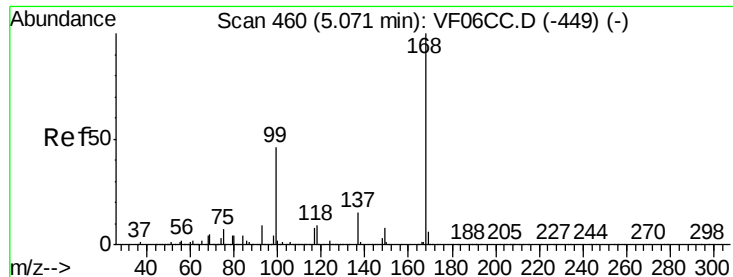
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062934.D

Acq: 12 Jun 2019 18:16

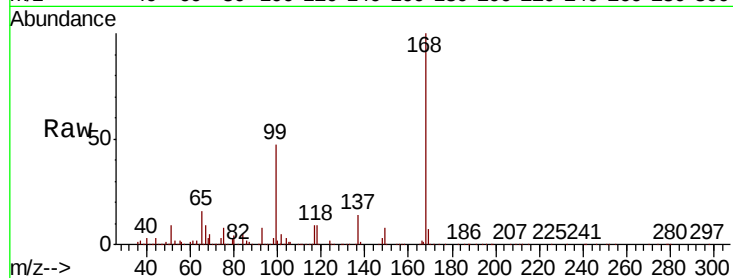
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 525489

Ion Ratio Lower Upper

168 100

99 47.3 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

200000

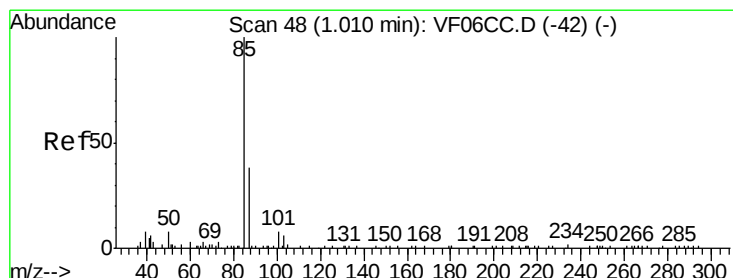
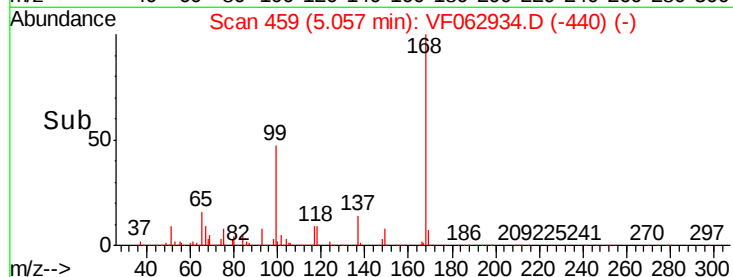
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062934.D

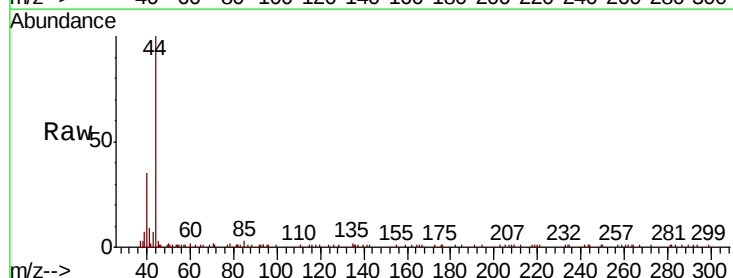
Acq: 12 Jun 2019 18:16

Tgt Ion: 85 Resp: 1205

Ion Ratio Lower Upper

85 100

87 30.9 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

600

500

400

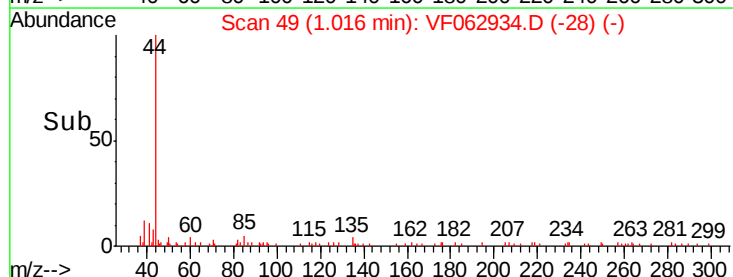
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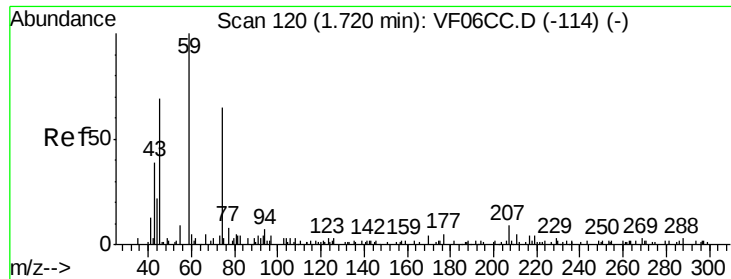
200

100

0

Time-->

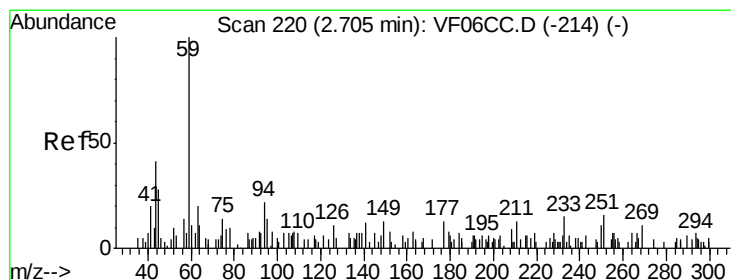
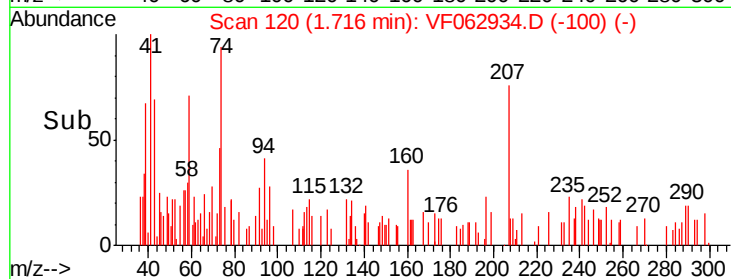
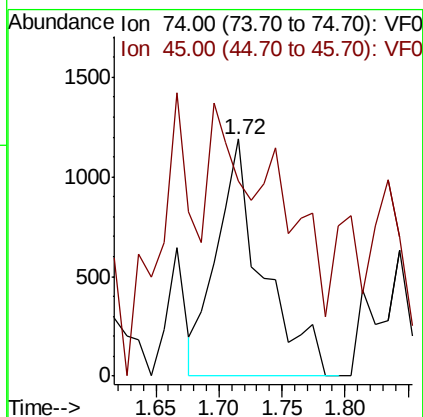
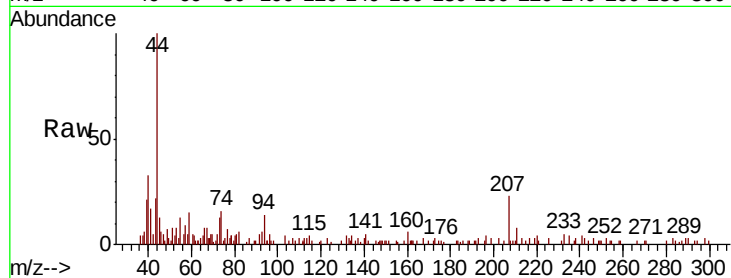




#8
Diethyl Ether
Concen: 2.003 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

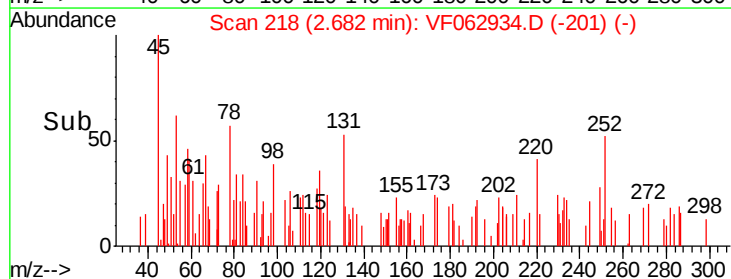
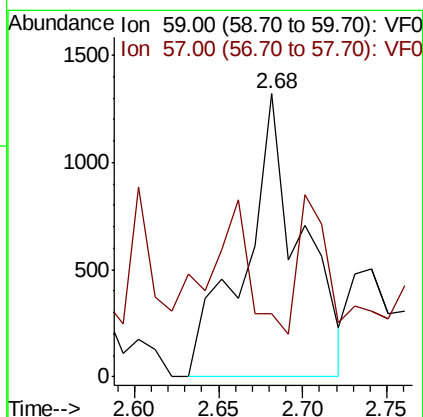
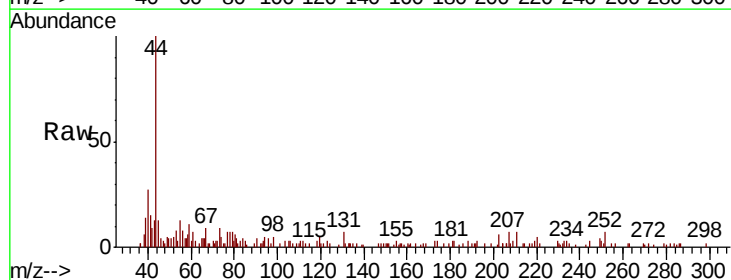
Instrument :
MSVOA_F
ClientSampleId :

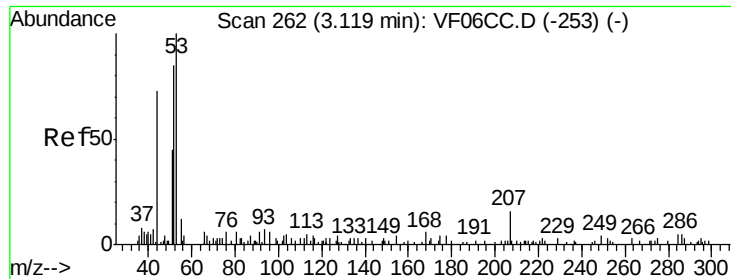
Tot Ion: 74 Resp: 3014
Ion Ratio Lower Upper
74 100
45 82.3 47.5 142.5



#11
Tert butyl alcohol
Concen: 13.878 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.04 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

Tgt Ion: 59 Resp: 3055
Ion Ratio Lower Upper
59 100
57 22.3 9.2 13.8#





#15

Acrylonitrile

Concen: 2.197 ug/l

RT: 3.08 min Scan# 258

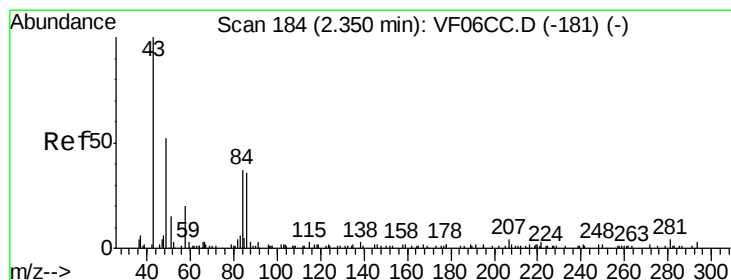
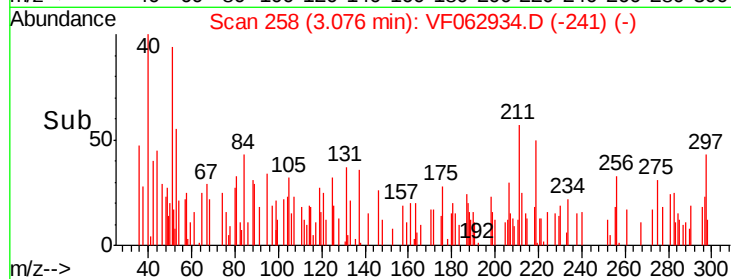
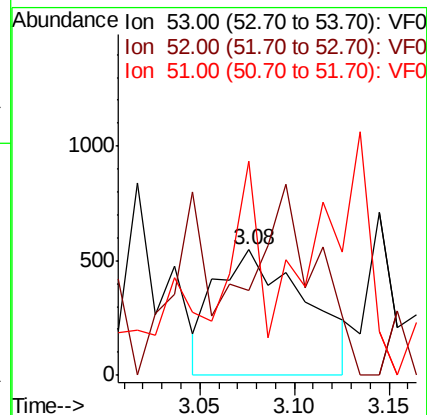
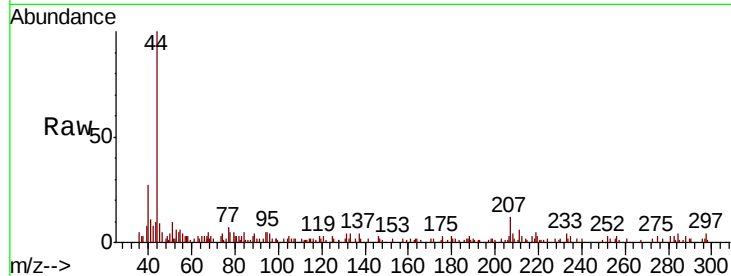
Delta R.T. -0.04 min

Lab File: VF062934.D

Acq: 12 Jun 2019 18:16

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 1817
Ion Ratio Lower Upper
53 100
52 67.3 68.1 102.1#
51 170.4 27.7 41.5#



#16

Acetone

Concen: 13.240 ug/l

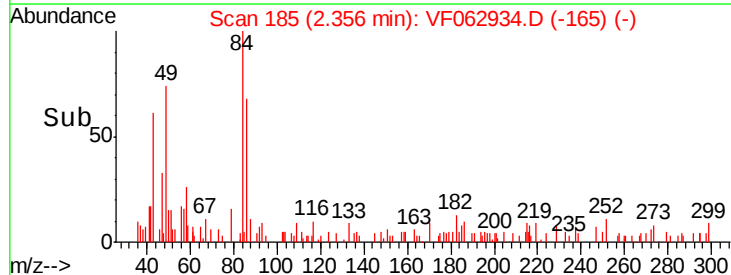
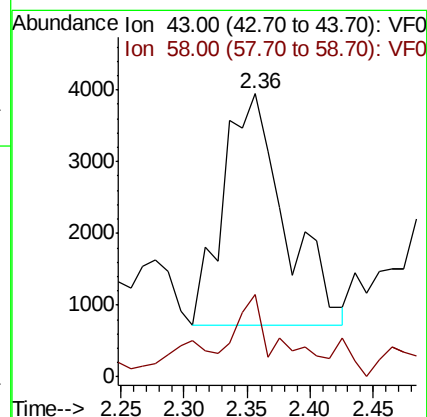
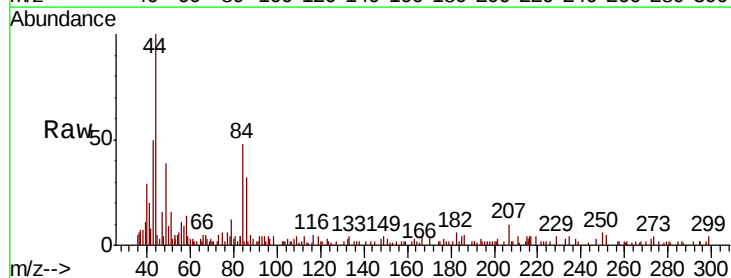
RT: 2.36 min Scan# 185

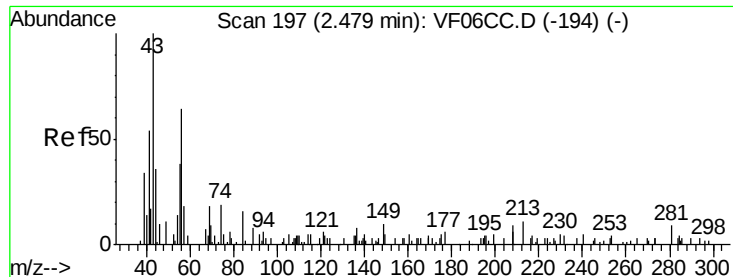
Delta R.T. -0.01 min

Lab File: VF062934.D

Acq: 12 Jun 2019 18:16

Tgt Ion: 43 Resp: 11012
Ion Ratio Lower Upper
43 100
58 28.9 19.0 28.4#

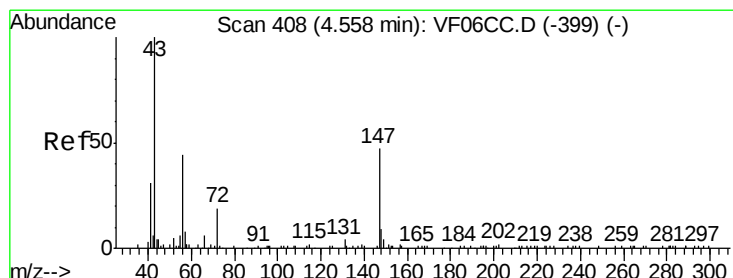
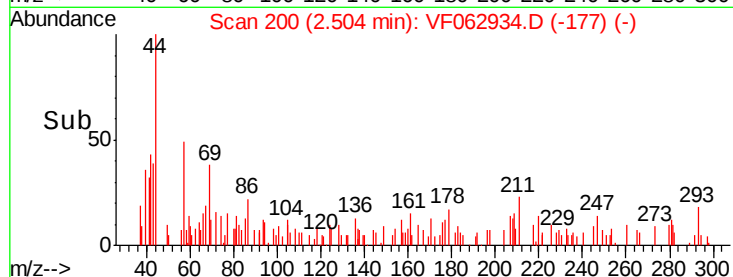
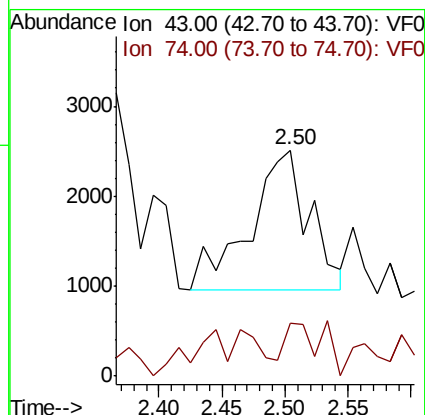
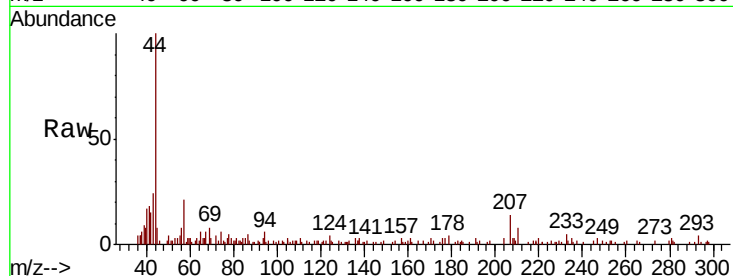




#18
Methyl Acetate
Concen: 3.510 ug/l
RT: 2.50 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

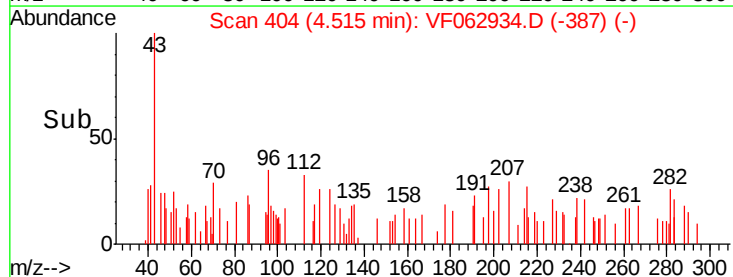
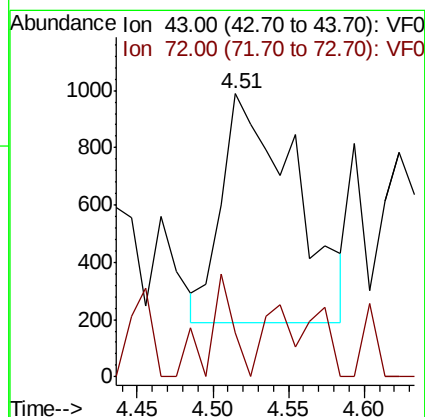
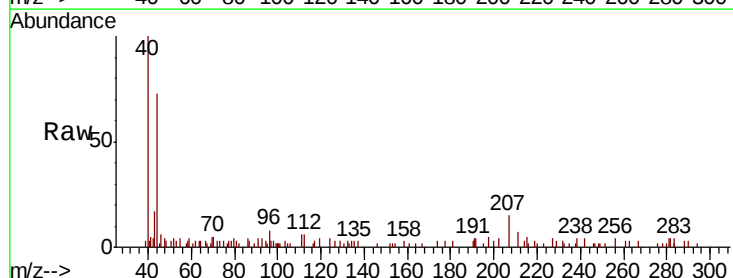
Instrument :
MSVOA_F
ClientSampled :

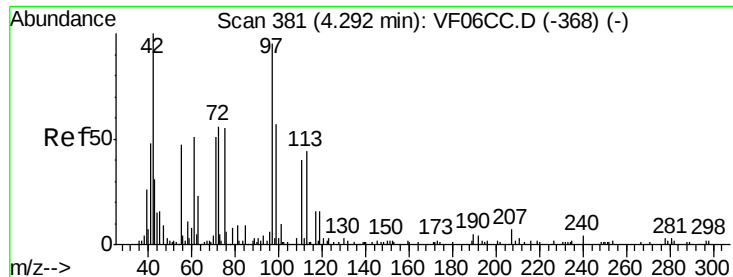
Tot Ion: 43 Resp: 5102
Ion Ratio Lower Upper
43 100
74 23.5 22.1 33.1



#25
2-Butanone
Concen: 1.392 ug/l
RT: 4.51 min Scan# 404
Delta R.T. -0.04 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

Tgt Ion: 43 Resp: 2697
Ion Ratio Lower Upper
43 100
72 15.4 21.4 32.0#

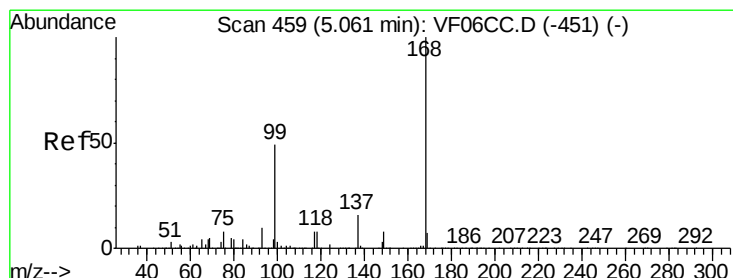
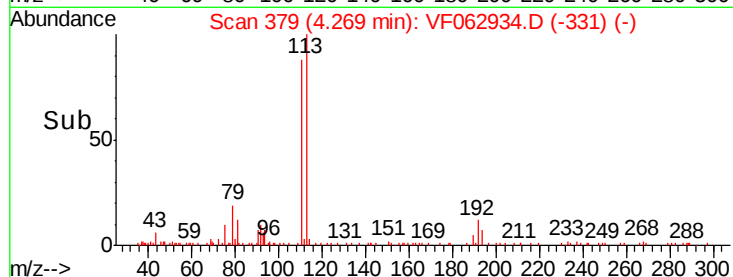
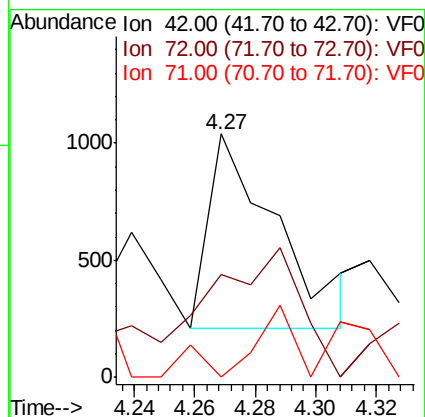
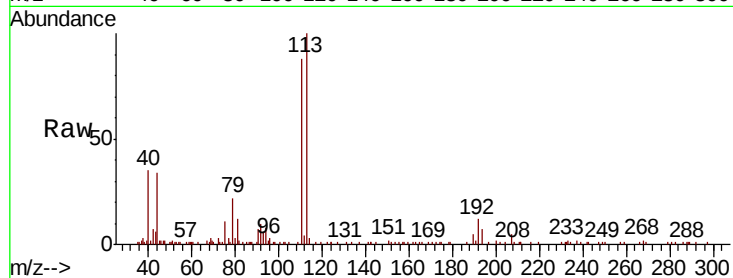




#29
Tetrahydrofuran
Concen: 1.758 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.03 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

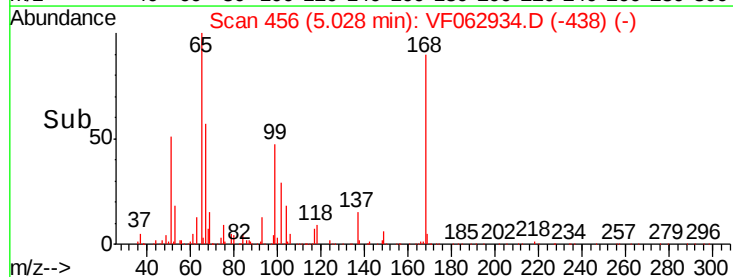
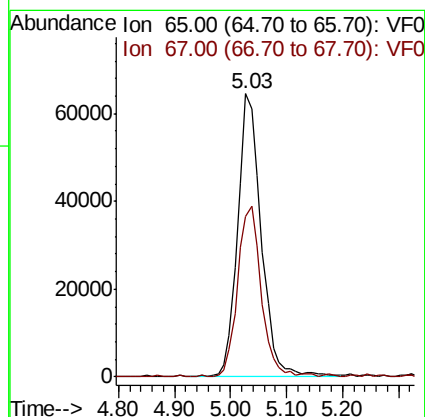
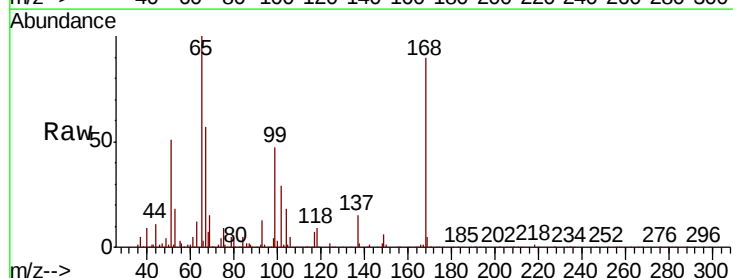
Instrument :
MSVOA_F
ClientSampleId :

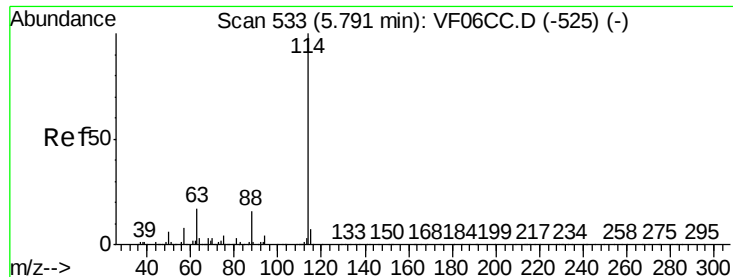
Tot Ion: 42 Resp: 1302
Ion Ratio Lower Upper
42 100
72 85.9 39.0 58.6#
71 25.0 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 52.215 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.03 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

Tgt Ion: 65 Resp: 189738
Ion Ratio Lower Upper
65 100
67 56.5 0.0 121.2

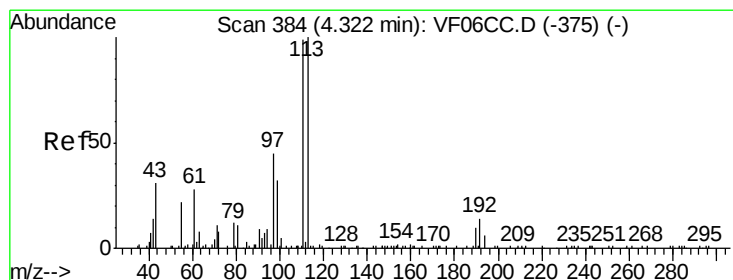
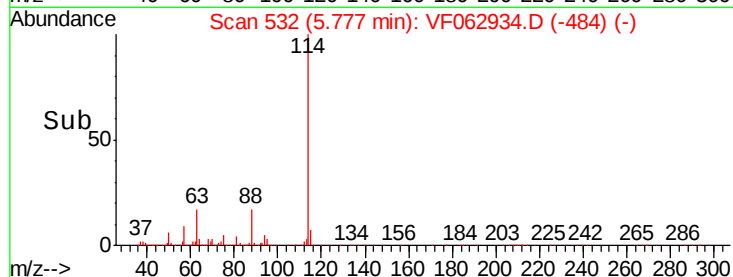
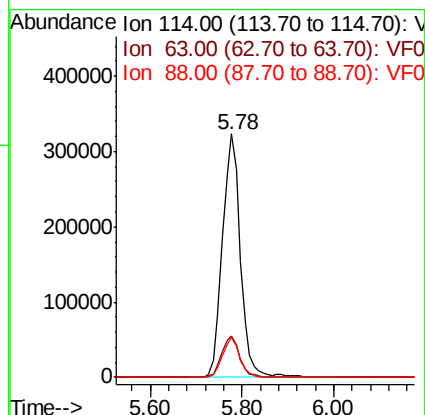
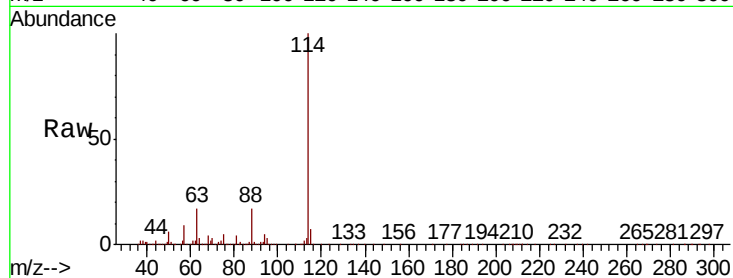




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 532
Delta R.T. -0.03 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

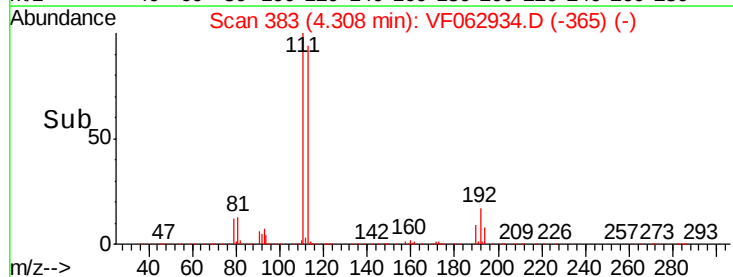
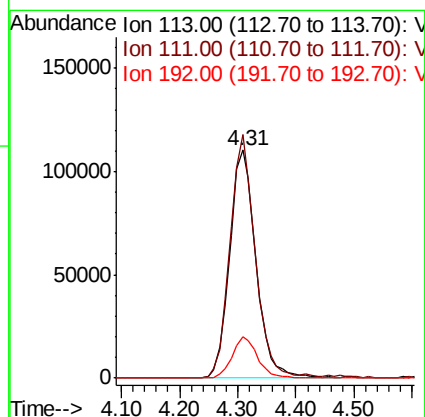
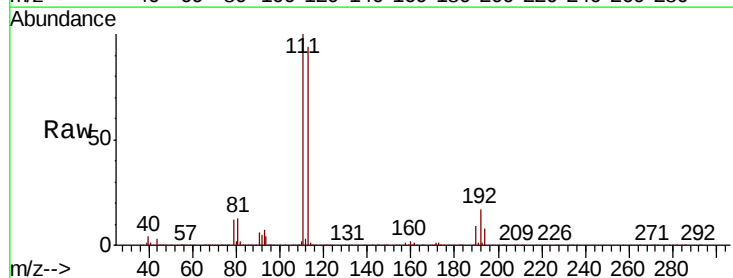
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MSVOA_F
ClientSampleId :

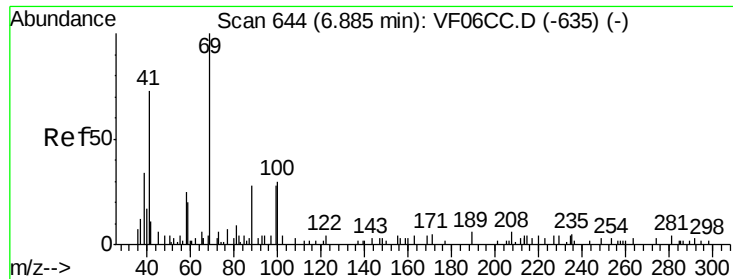
Tot Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	34.2
88	16.6	0.0	31.2



#35
Dibromofluoromethane
Concen: 52.422 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.8	81.9	122.9
192	18.3	15.1	22.7

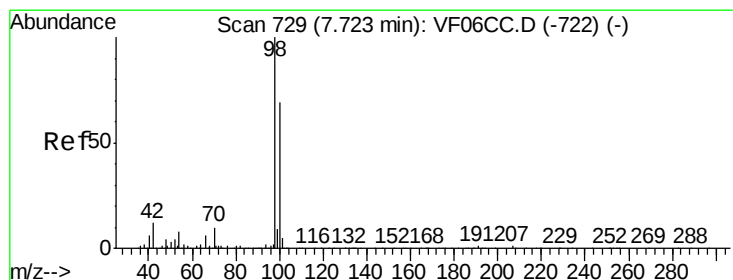
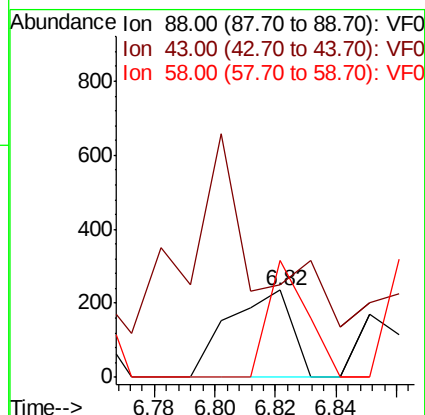
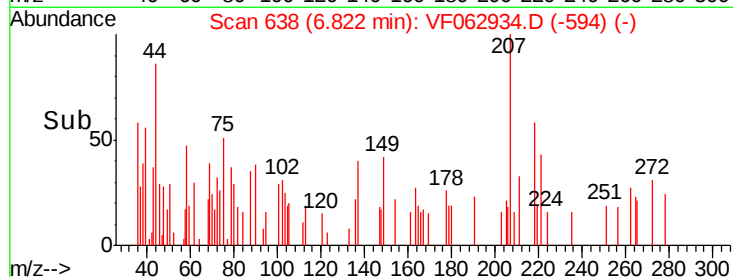
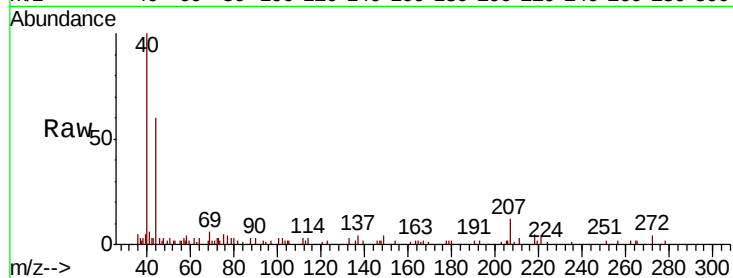




#49
1,4-Dioxane
Concen: 12.319 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.07 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

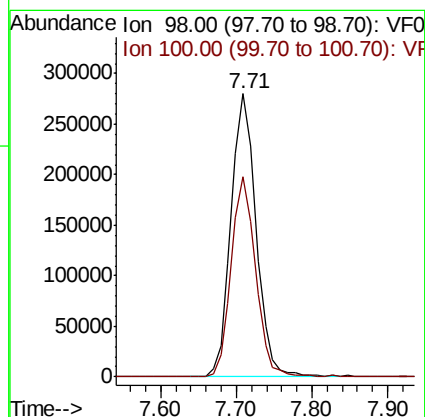
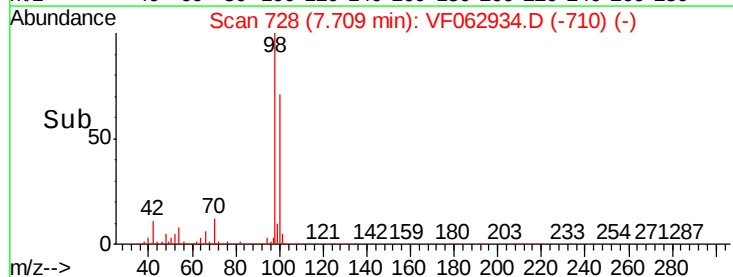
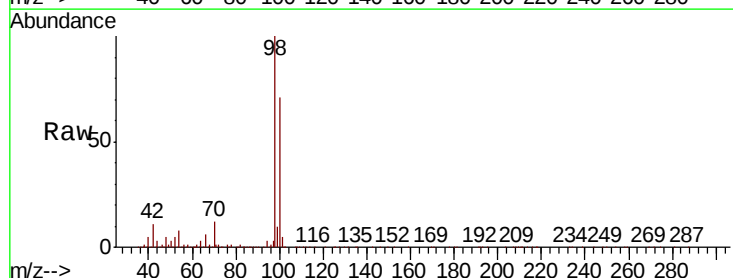
Instrument :
MSVOA_F
ClientSampled :

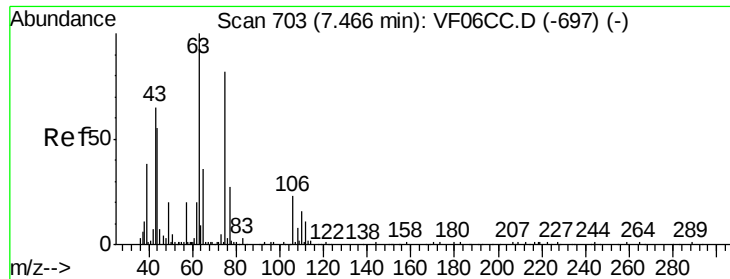
Tot Ion: 88 Resp: 341
Ion Ratio Lower Upper
88 100
43 106.8 34.8 52.2#
58 134.5 59.9 89.9#



#50
Toluene-d8
Concen: 38.339 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.03 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

Tgt Ion: 98 Resp: 642189
Ion Ratio Lower Upper
98 100
100 70.9 59.8 89.8

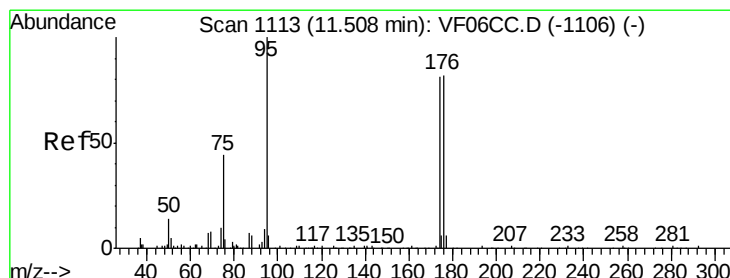
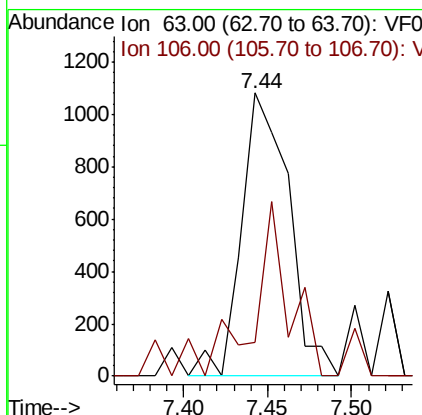
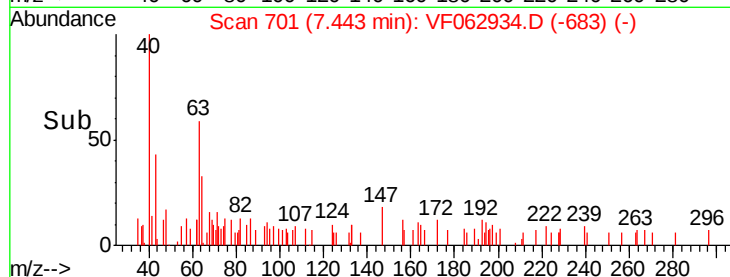
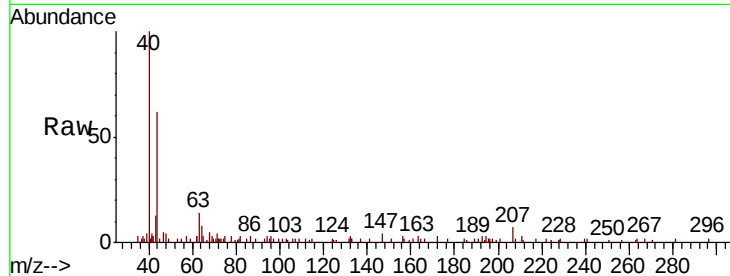




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.491 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.03 min
 Lab File: VF062934.D
 Acq: 12 Jun 2019 18:16

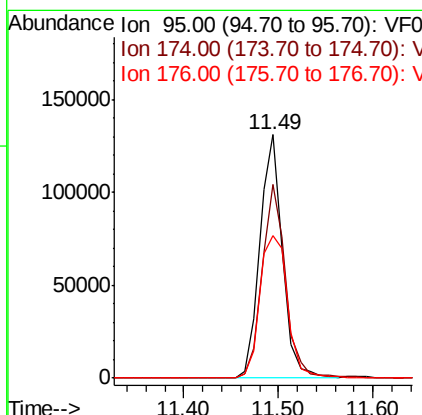
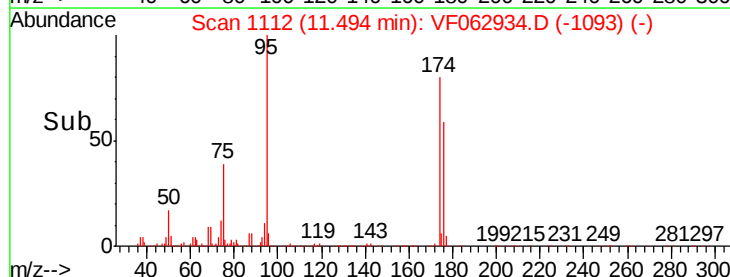
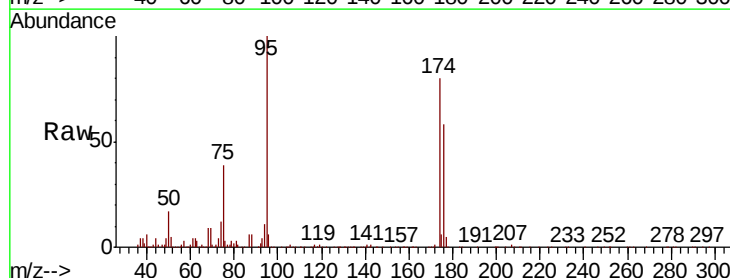
Instrument :
 MSVOA_F
 ClientSampleId :

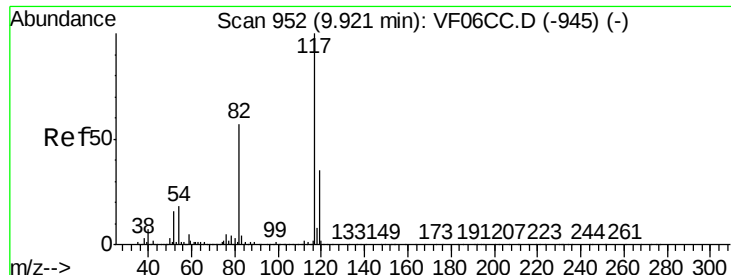
Tot Ion: 63 Resp: 2113
 Ion Ratio Lower Upper
 63 100
 106 11.8 19.5 29.3#



#62
 4-Bromofluorobenzene
 Concen: 36.264 ug/l
 RT: 11.49 min Scan# 1112
 Delta R.T. -0.02 min
 Lab File: VF062934.D
 Acq: 12 Jun 2019 18:16

Tgt Ion: 95 Resp: 218502
 Ion Ratio Lower Upper
 95 100
 174 79.6 0.0 170.6
 176 58.4 0.0 170.6

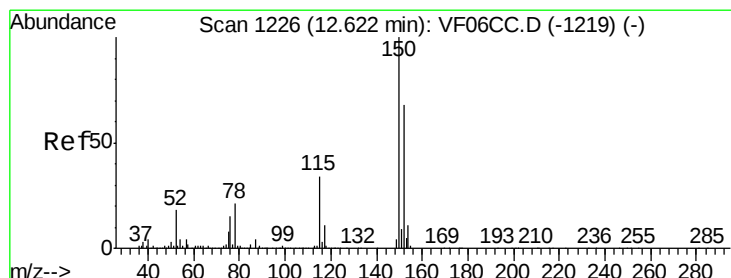
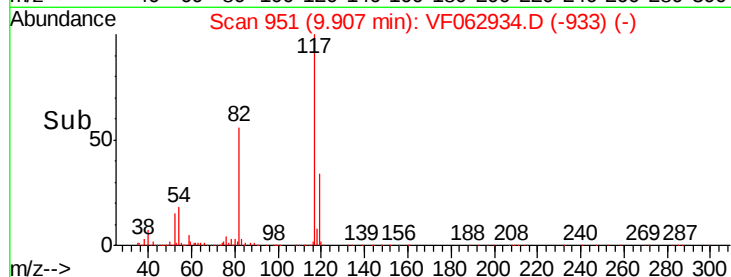
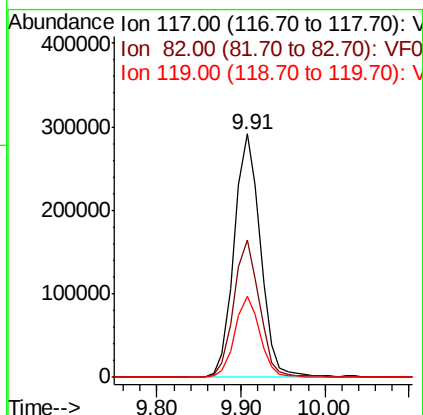
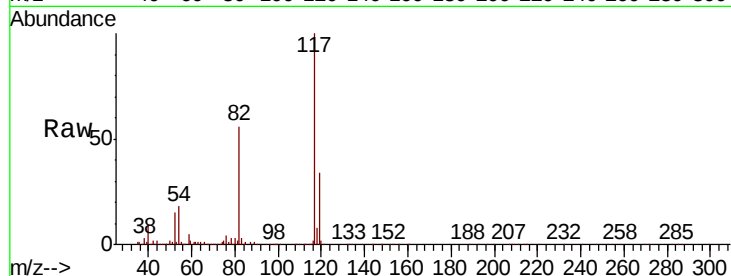




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.03 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

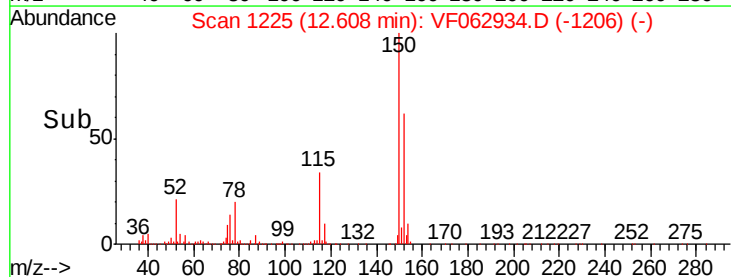
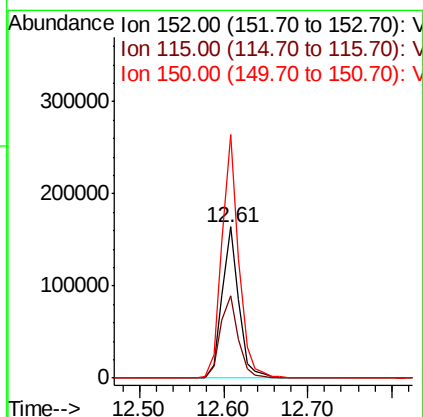
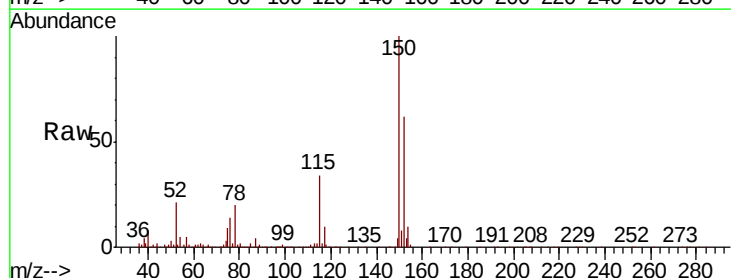
Instrument :
MSVOA_F
ClientSampleId :

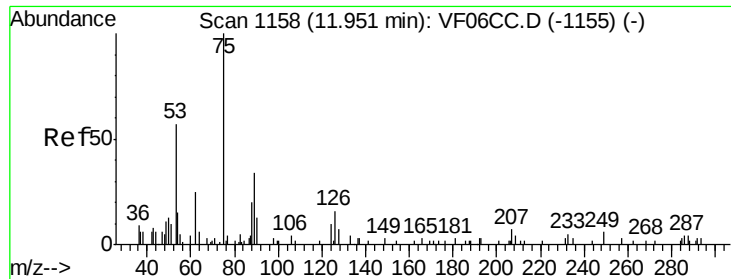
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	42.4	63.6
119	33.5	27.1	40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062934.D
Acq: 12 Jun 2019 18:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	24.6	74.0
150	161.3	0.0	290.6





#81

trans-1,4-Dichloro-2-butene

Concen: 1.110 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062934.D

Acq: 12 Jun 2019 18:16

Instrument :

MSVOA_F

ClientSampleId :

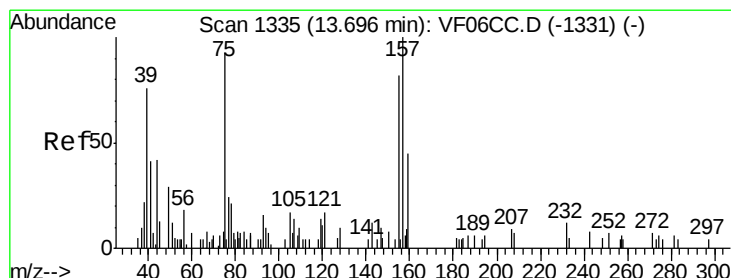
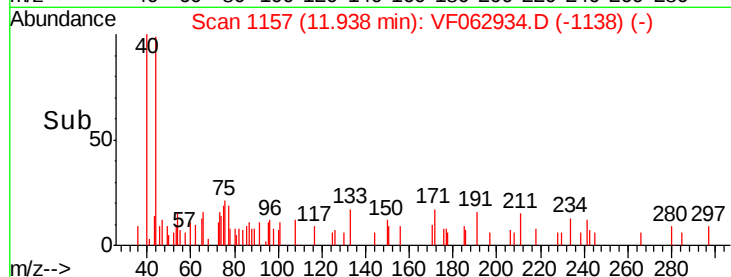
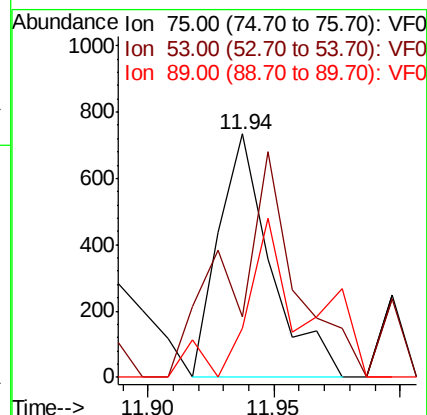
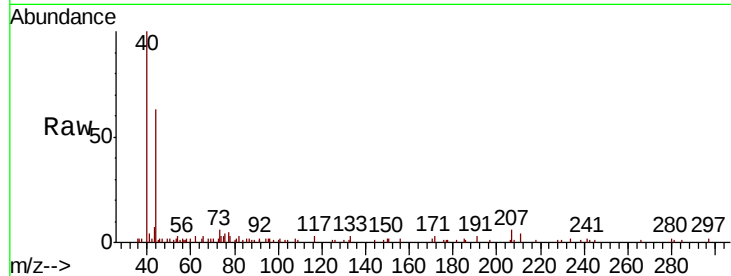
Tot Ion: 75 Resp: 1060

Ion Ratio Lower Upper

75 100

53 24.8 43.5 65.3#

89 20.3 34.3 51.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.211 ug/l

RT: 13.67 min Scan# 1333

Delta R.T. -0.03 min

Lab File: VF062934.D

Acq: 12 Jun 2019 18:16

Tgt Ion: 75 Resp: 449

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.1#

157 45.4 66.8 200.6#

