

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080818\
 Data File : VF059935.D
 Acq On : 8 Aug 2018 17:01
 Operator : VA/AP
 Sample : J4275-07
 Misc : 4.27g/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-080718-D

Quant Time: Aug 09 05:22:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	83697	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	120455	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	112287	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	64427	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	77367	51.27	ug/l	0.01
Spiked Amount 50.000			Recovery =	102.54%		
35) Dibromofluoromethane	4.31	113	55656	46.44	ug/l	0.01
Spiked Amount 50.000			Recovery =	92.88%		
50) Toluene-d8	7.72	98	95674	37.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	75.04%		
62) 4-Bromofluorobenzene	11.52	95	53012	37.00	ug/l	0.01
Spiked Amount 50.000			Recovery =	74.00%		

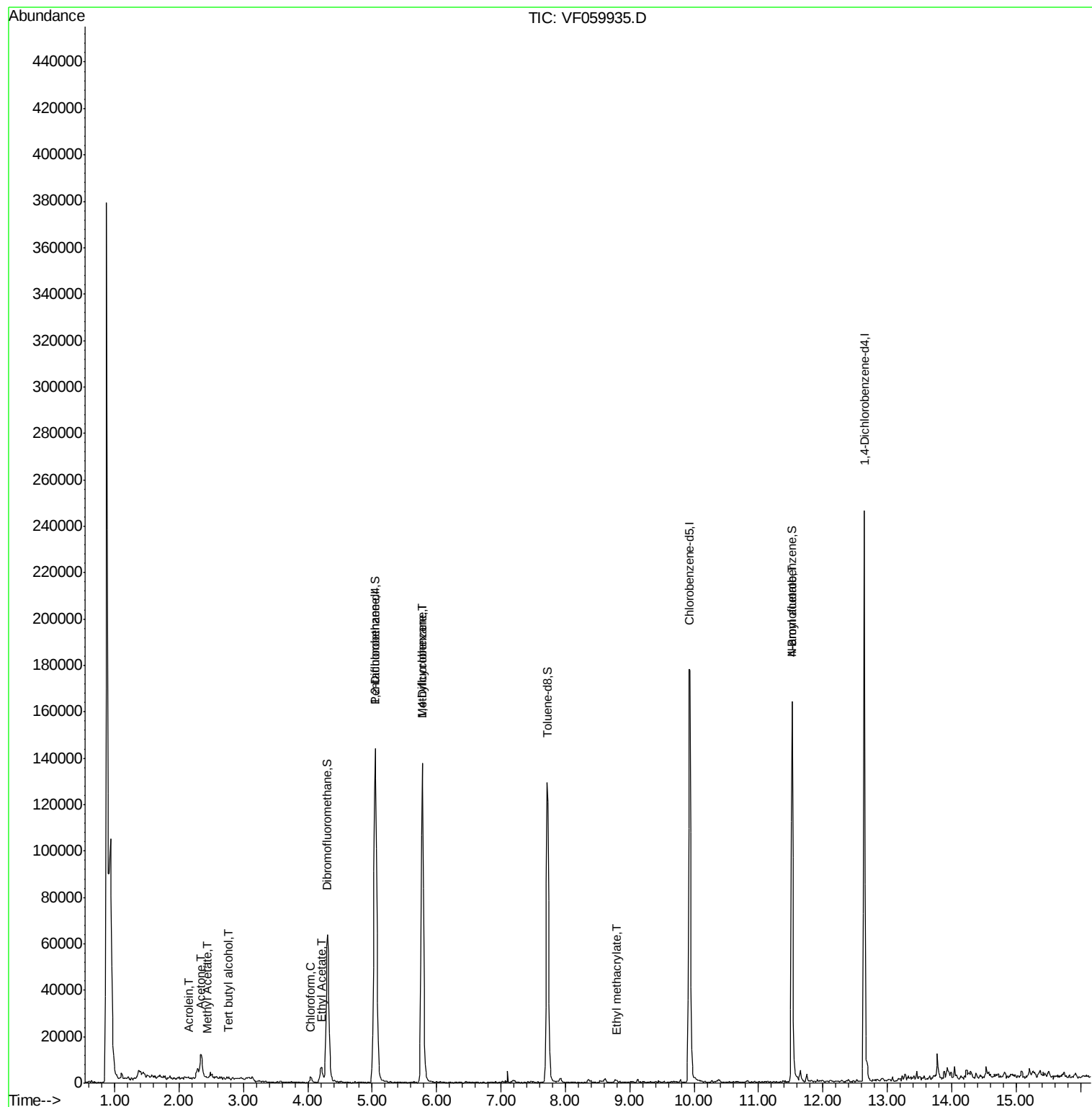
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.77	59	80	1.31	ug/l #	74
13) Acrolein	2.14	56	111	3.04	ug/l #	9
16) Acetone	2.34	43	9336	33.52	ug/l #	90
18) Methyl Acetate	2.44	43	664	1.41	ug/l #	56
20) Methylene Chloride	2.33	84	3211	Below Cal		84
30) Chloroform	4.05	83	2510	1.06	ug/l #	80
37) Ethyl Acetate	4.22	43	737	1.23	ug/l #	8
39) Methylcyclohexane	5.77	83	2408	2.30	ug/l #	43
40) Benzene	4.83	78	86	Below Cal	#	1
56) Ethyl methacrylate	8.79	69	366	3.85	ug/l #	41
74) N-amyl acetate	11.53	43	61	3.02	ug/l #	1

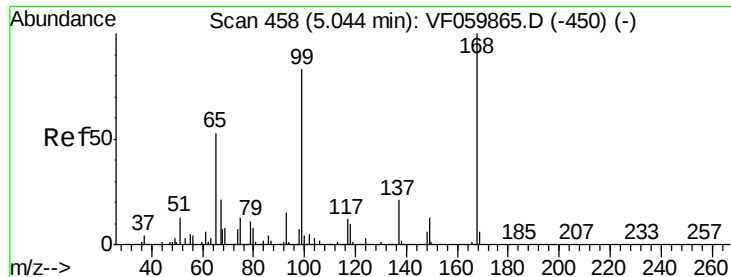
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 04 07:08:36 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059935.D

Acq: 8 Aug 2018 17:01

Instrument :

MSVOA_F

ClientSampleId :

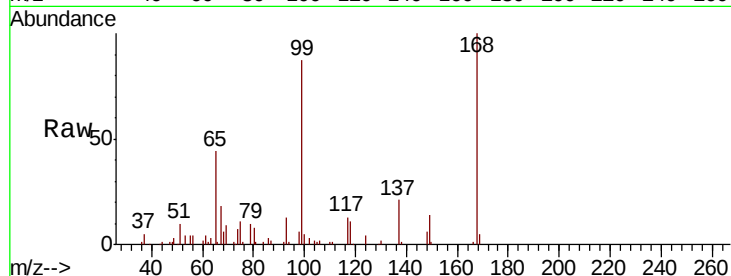
CL-02-080718-D

Tot Ion:168 Resp: 83697

Ion Ratio Lower Upper

168 100

99 86.7 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

30000

25000

20000

15000

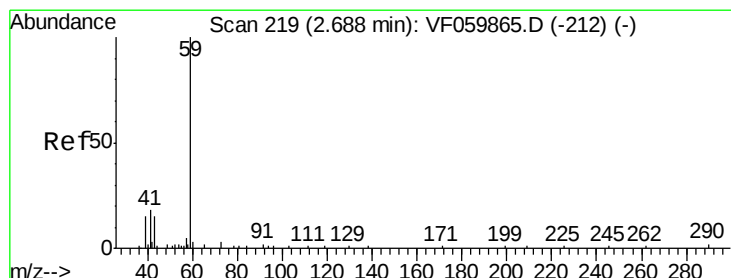
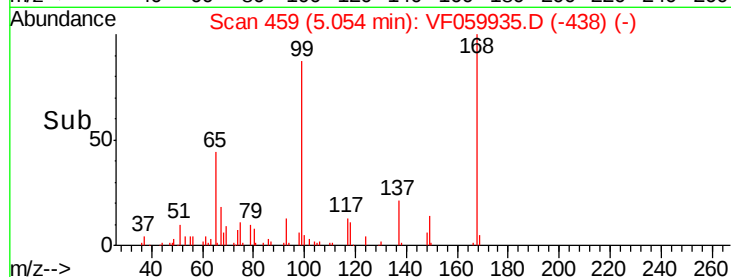
10000

5000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 1.31 ug/l

RT: 2.77 min Scan# 227

Delta R.T. 0.08 min

Lab File: VF059935.D

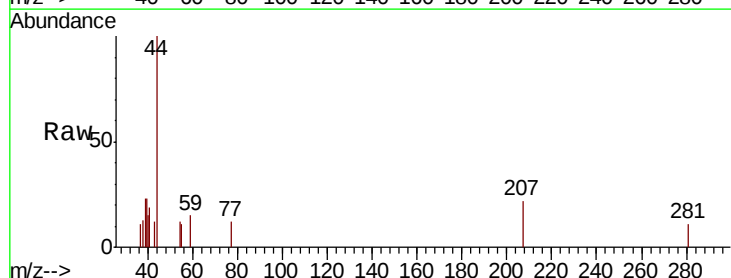
Acq: 8 Aug 2018 17:01

Tgt Ion: 59 Resp: 80

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.77

150

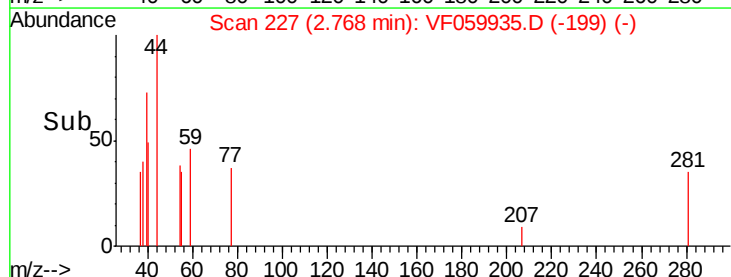
100

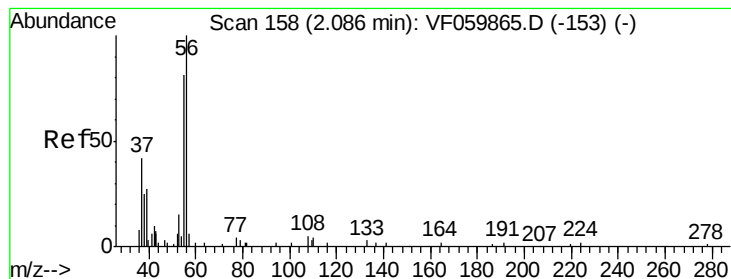
50

0

Time-->

2.74 2.76 2.78 2.80





#13

Acrolein

Concen: 3.04 ug/l

RT: 2.14 min Scan# 163

Delta R.T. 0.05 min

Lab File: VF059935.D

Acq: 8 Aug 2018 17:01

Instrument :

MSVOA_F

ClientSampleId :

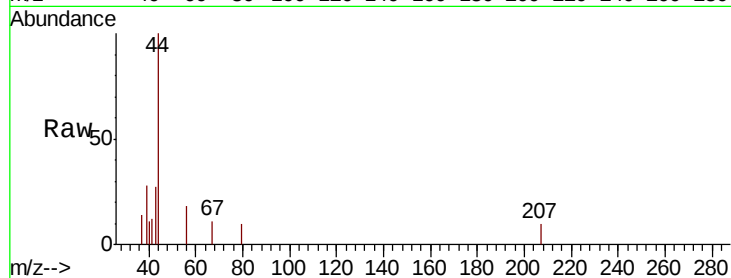
CL-02-080718-D

Tot Ion: 56 Resp: 111

Ion Ratio Lower Upper

56 100

55 0.0 64.6 96.8#



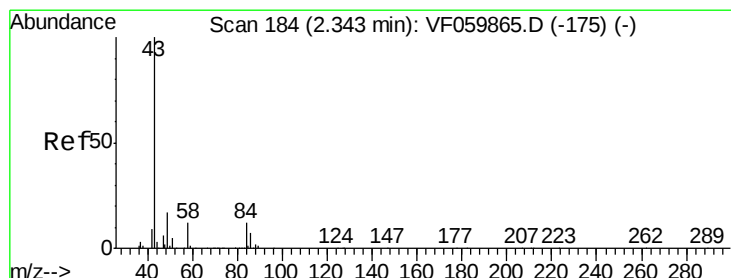
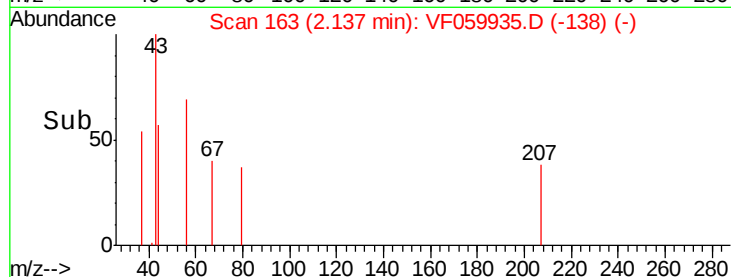
Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.14

2.12 2.14 2.16

Time-->



#16

Acetone

Concen: 33.52 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF059935.D

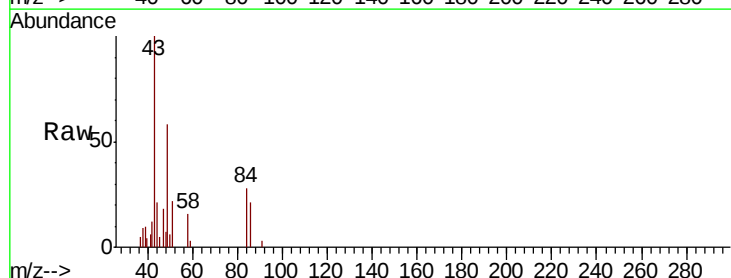
Acq: 8 Aug 2018 17:01

Tgt Ion: 43 Resp: 9336

Ion Ratio Lower Upper

43 100

58 15.6 9.4 14.0#



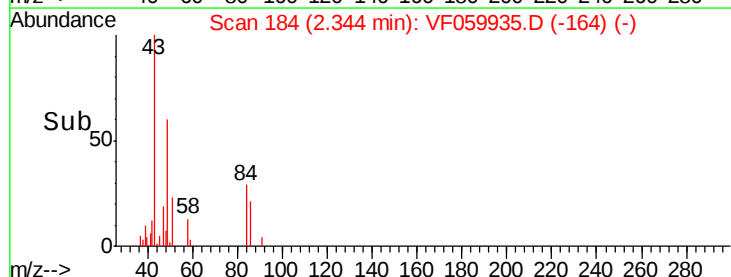
Abundance Ion 43.00 (42.70 to 43.70): VF0

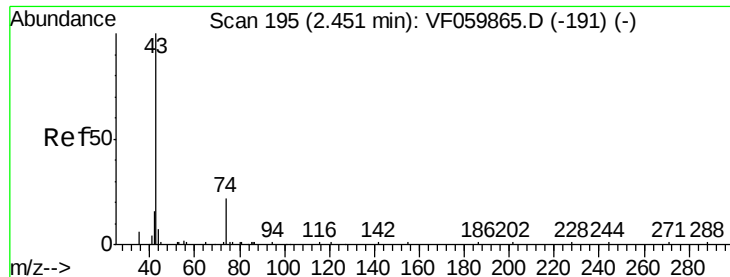
Ion 58.00 (57.70 to 58.70): VF0

2.34

2.30 2.40

Time-->

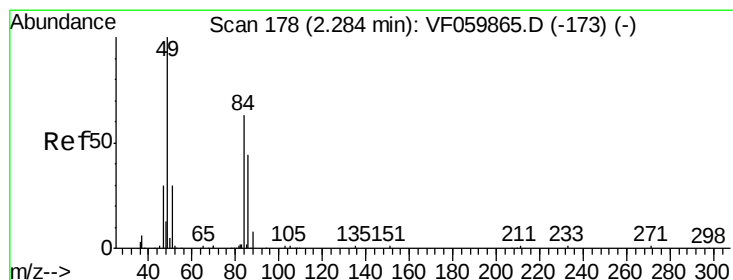
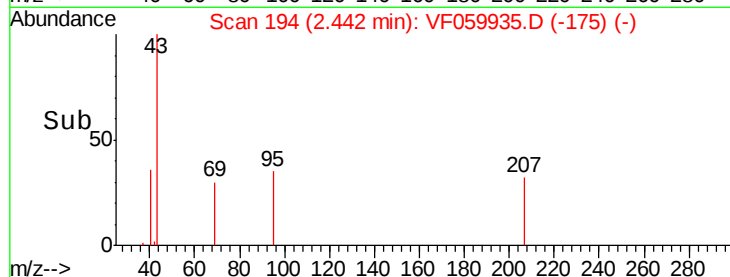
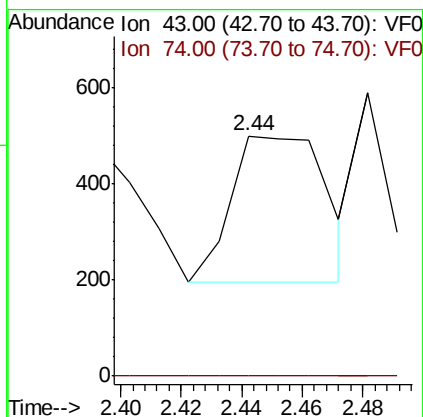
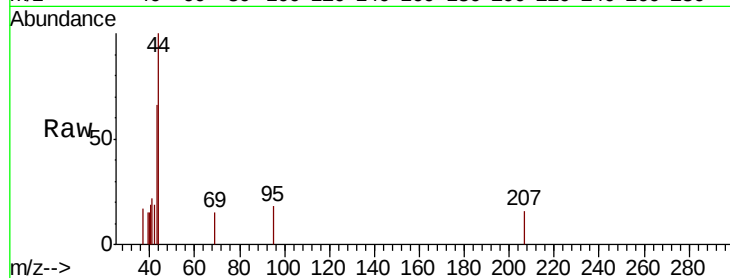




#18
Methyl Acetate
Concen: 1.41 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

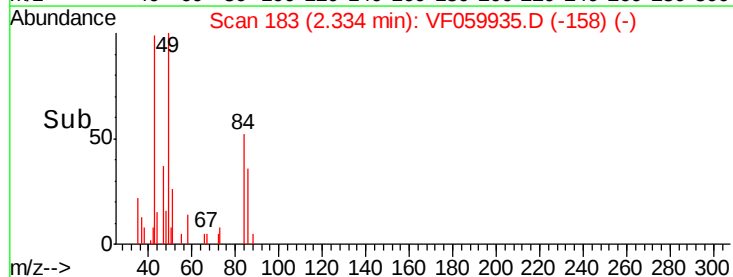
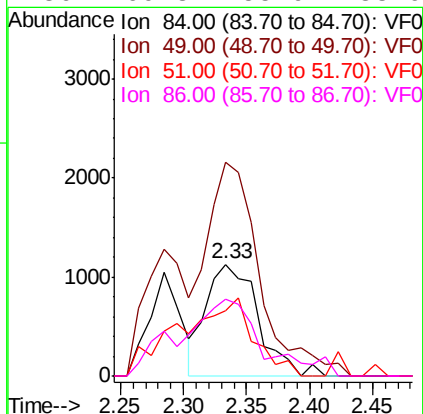
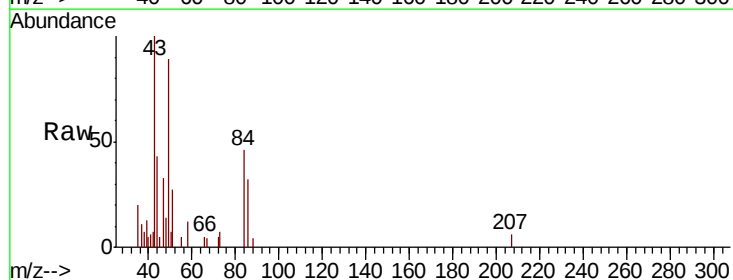
Instrument :
MSVOA_F
ClientSampleId :
CL-02-080718-D

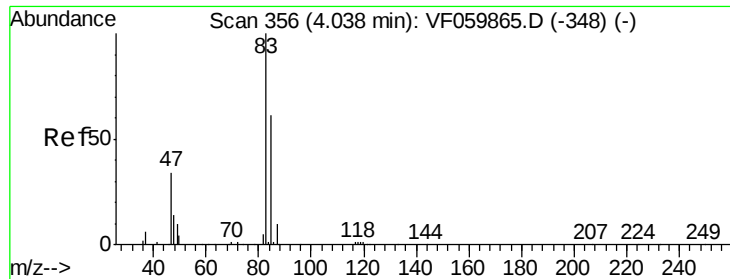
Tot Ion: 43 Resp: 664
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.33 min Scan# 183
Delta R.T. 0.05 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

Tgt Ion: 84 Resp: 3211
Ion Ratio Lower Upper
84 100
49 191.2 128.7 193.1
51 58.2 39.3 58.9
86 69.3 55.9 83.9

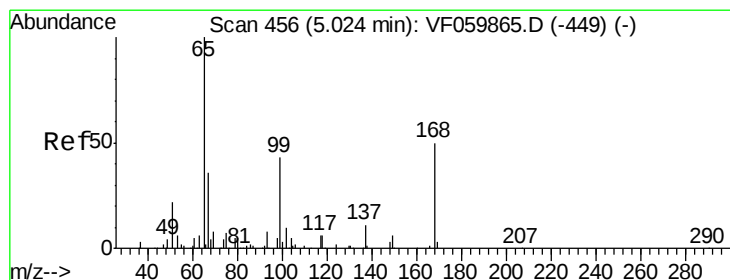
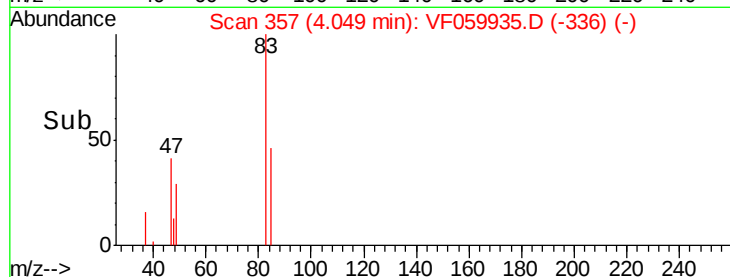
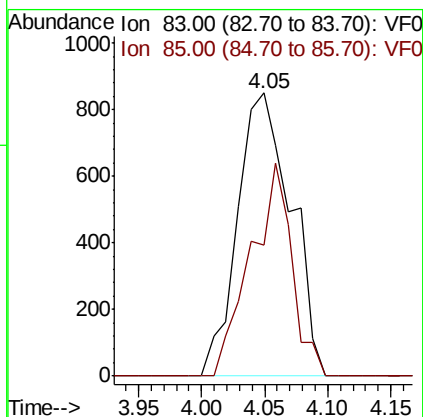
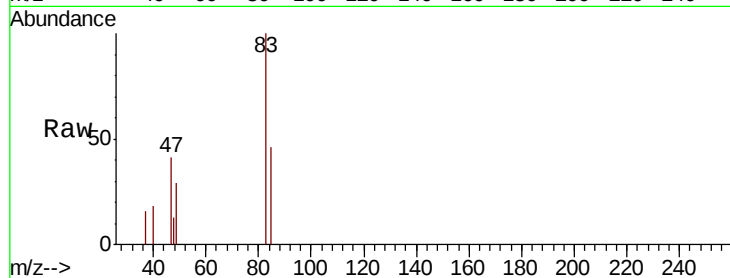




#30
Chloroform
Concen: 1.06 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

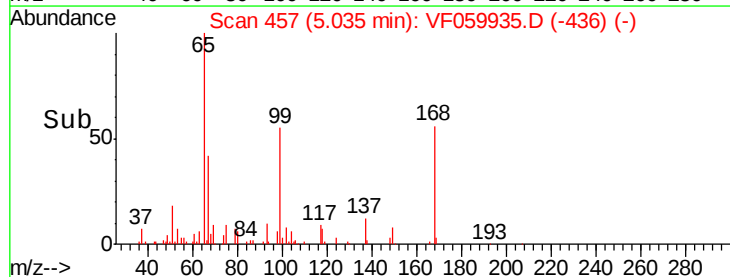
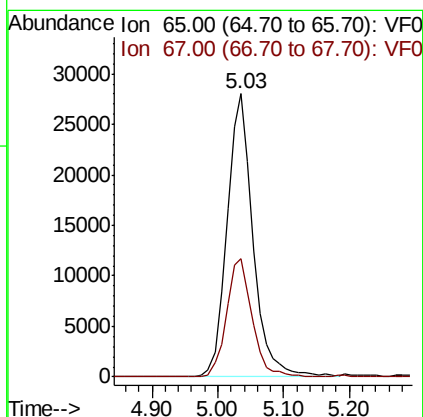
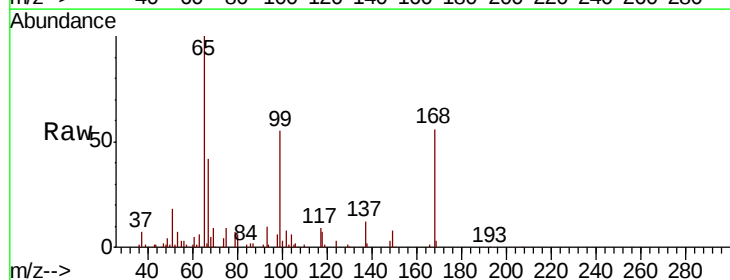
Instrument :
MSVOA_F
ClientSampleId :
CL-02-080718-D

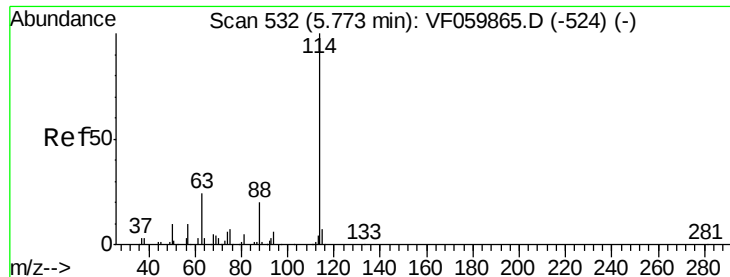
Tot Ion: 83 Resp: 2510
Ion Ratio Lower Upper
83 100
85 46.2 49.3 73.9#



#33
1,2-Dichloroethane-d4
Concen: 51.27 ug/l
RT: 5.03 min Scan# 457
Delta R.T. 0.01 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

Tgt Ion: 65 Resp: 77367
Ion Ratio Lower Upper
65 100
67 41.7 0.0 77.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059935.D

Acq: 8 Aug 2018 17:01

Instrument :

MSVOA_F

ClientSampleId :

CL-02-080718-D

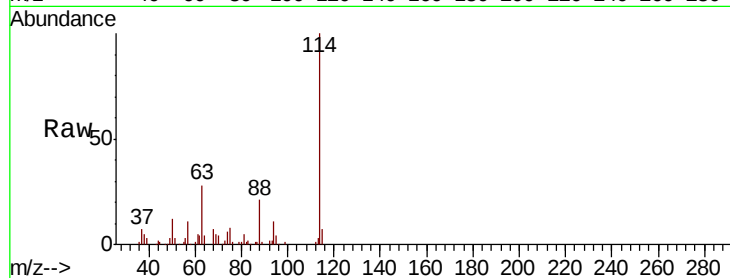
Tot Ion:114 Resp: 120455

Ion Ratio Lower Upper

114 100

63 28.0 0.0 48.0

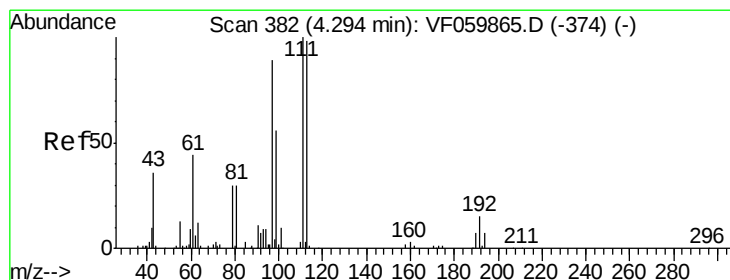
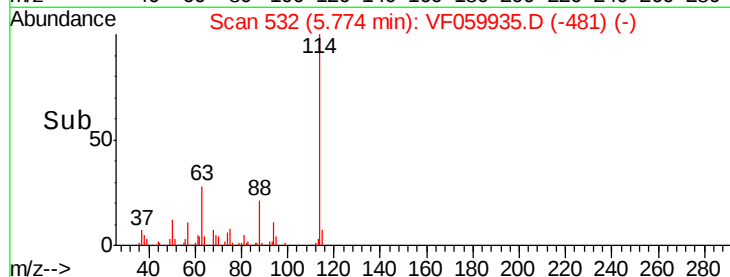
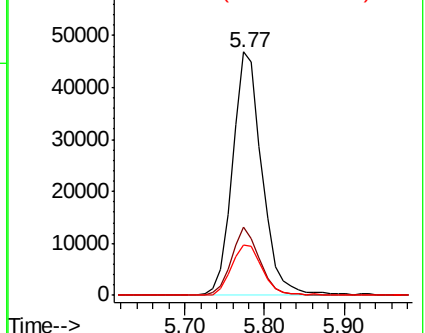
88 20.6 0.0 39.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 46.44 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059935.D

Acq: 8 Aug 2018 17:01

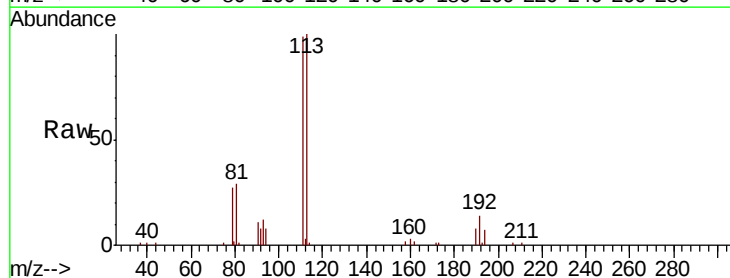
Tgt Ion:113 Resp: 55656

Ion Ratio Lower Upper

113 100

111 98.8 81.8 122.8

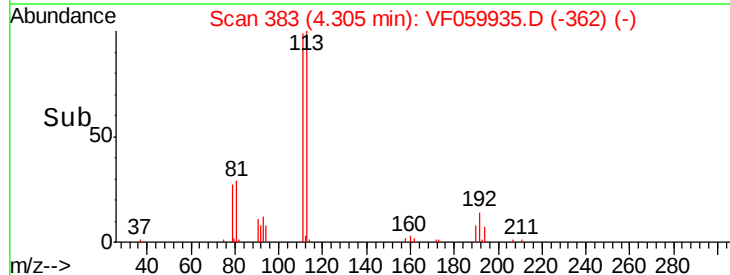
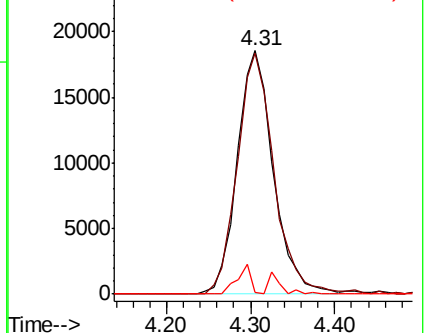
192 0.8 12.4 18.6#

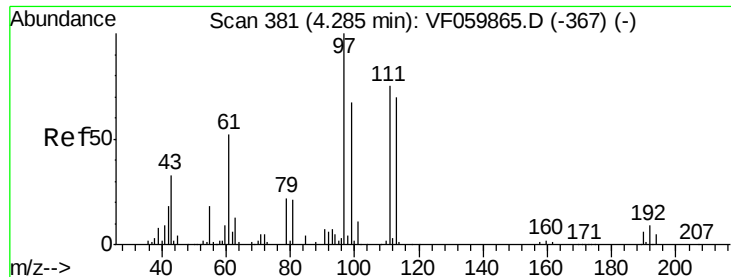


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

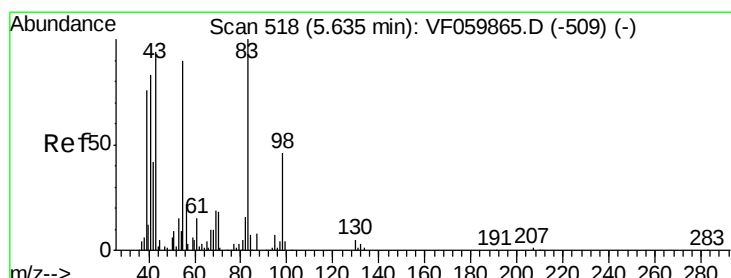
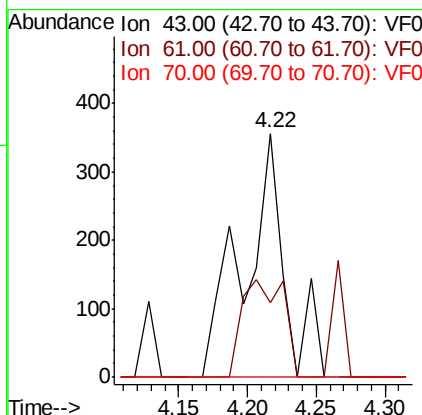
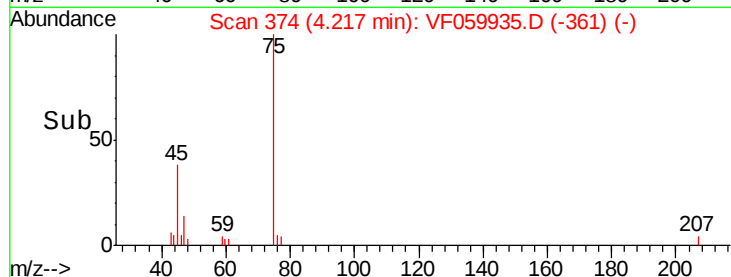
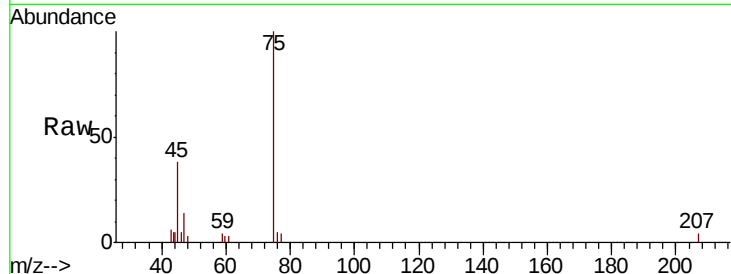




#37
Ethyl Acetate
Concen: 1.23 ug/l
RT: 4.22 min Scan# 374
Delta R.T. -0.07 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

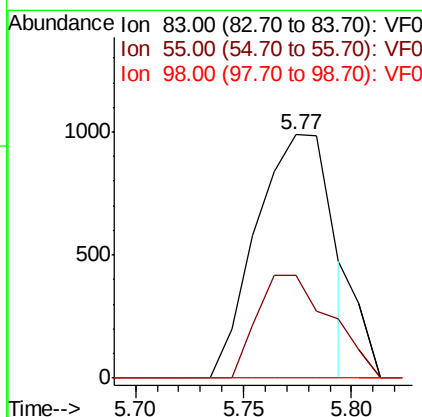
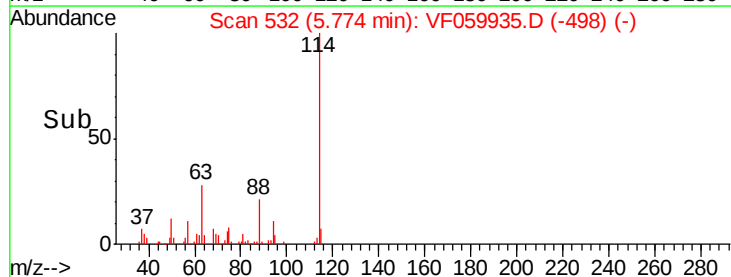
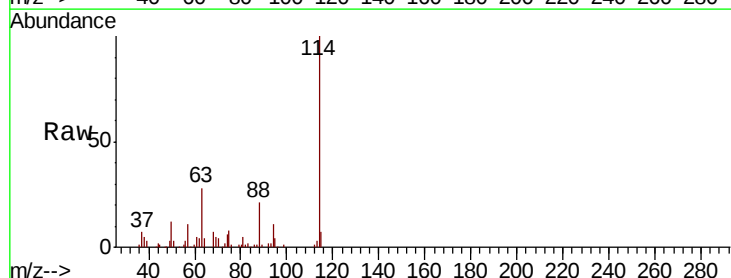
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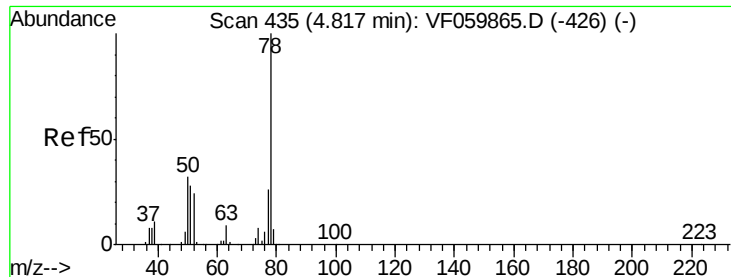
Tot Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
61 30.6 123.7 185.5#
70 0.0 7.8 11.8#



#39
Methylcyclohexane
Concen: 2.30 ug/l
RT: 5.77 min Scan# 532
Delta R.T. 0.14 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

Tgt Ion: 83 Resp: 2408
Ion Ratio Lower Upper
83 100
55 42.5 72.0 108.0#
98 0.0 36.6 54.8#

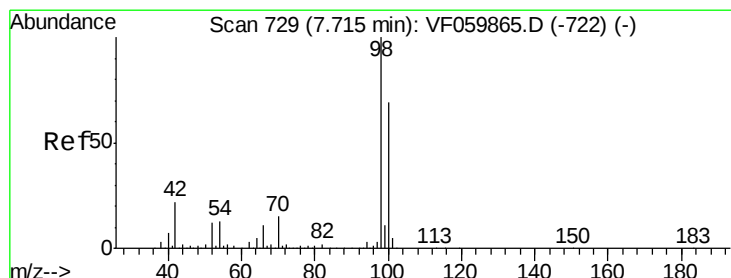
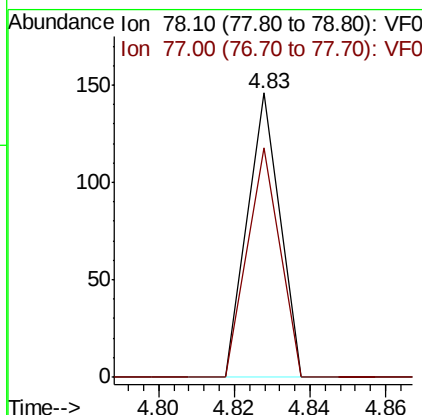
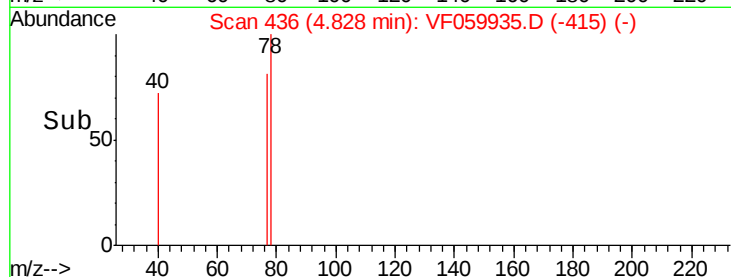
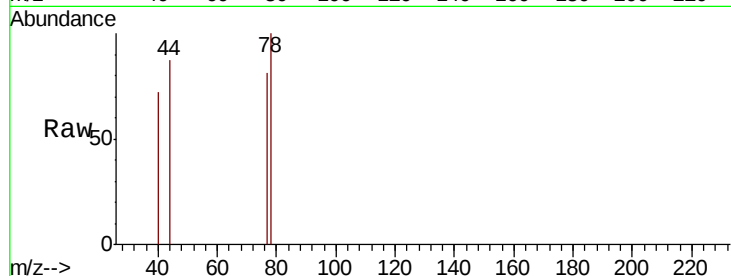




#40
Benzene
Concen: Below Cal
RT: 4.83 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

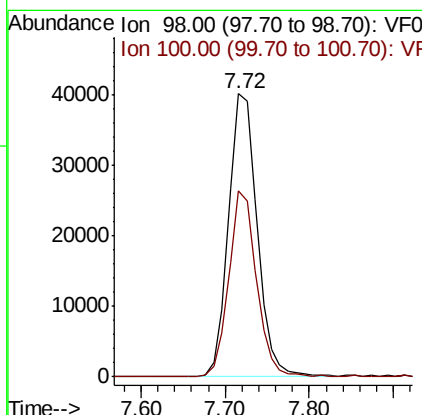
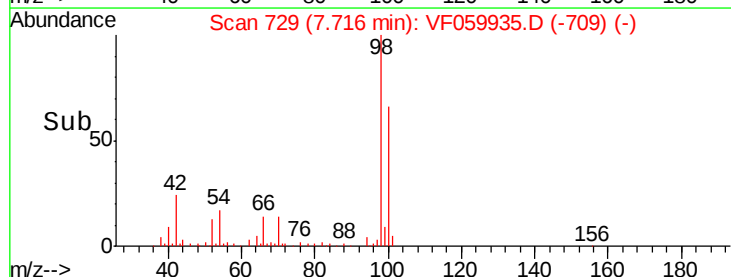
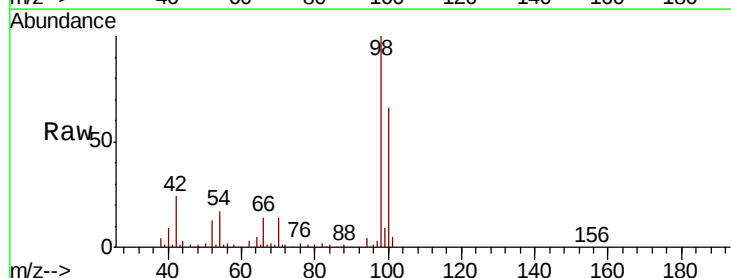
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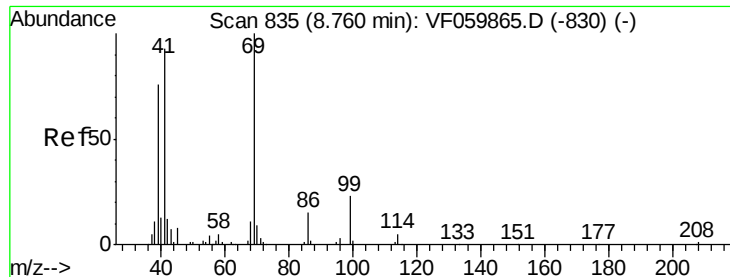
Tot Ion: 78 Resp: 86
Ion Ratio Lower Upper
78 100
77 80.8 20.7 31.1#



#50
Toluene-d8
Concen: 37.52 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

Tgt Ion: 98 Resp: 95674
Ion Ratio Lower Upper
98 100
100 65.8 55.0 82.6

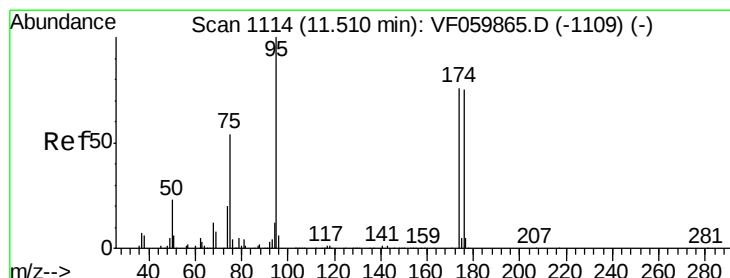
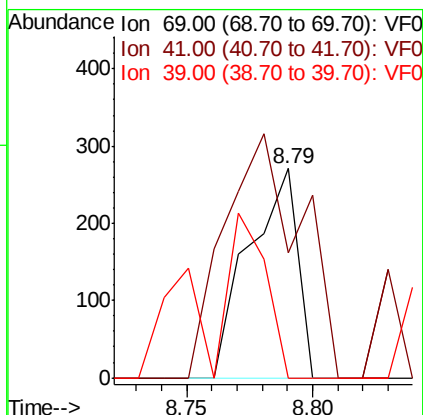
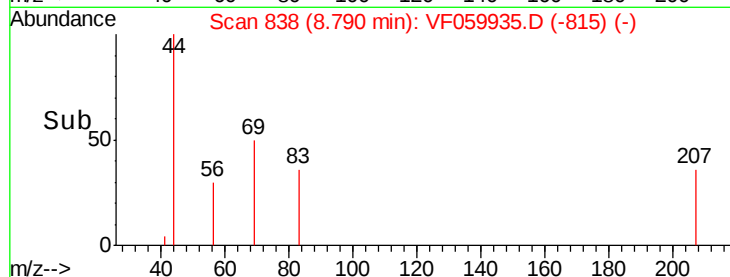
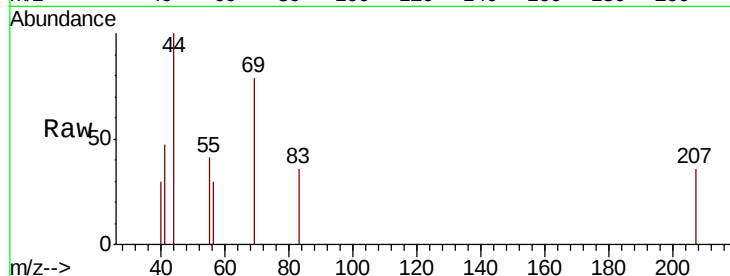




#56
Ethyl methacrylate
Concen: 3.85 ug/l
RT: 8.79 min Scan# 838
Delta R.T. 0.03 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

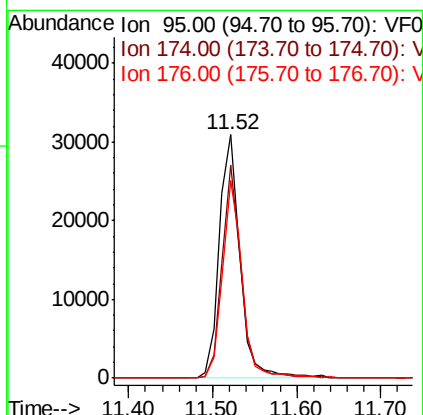
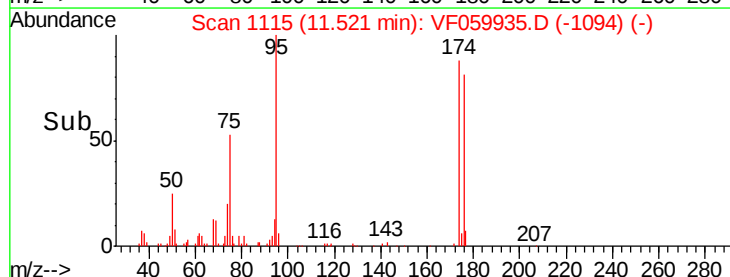
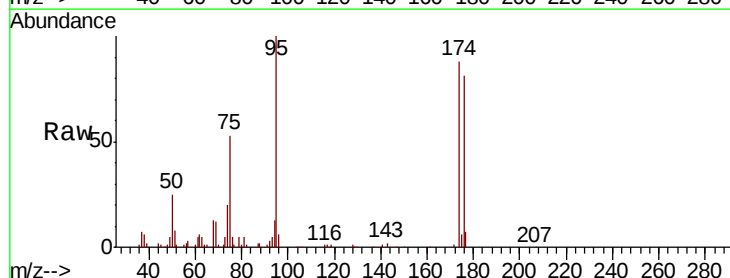
Instrument :
MSVOA_F
ClientSampleId :
CL-02-080718-D

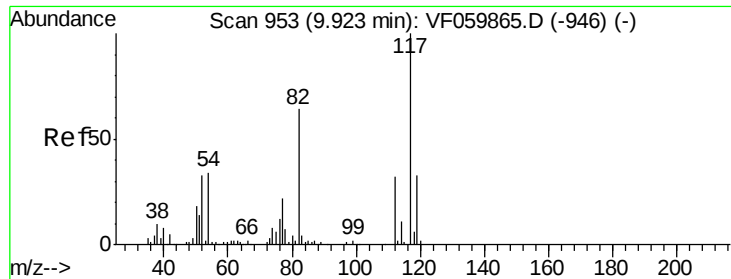
Tot Ion: 69 Resp: 366
Ion Ratio Lower Upper
69 100
41 59.8 74.7 112.1#
39 0.0 61.1 91.7#



#62
4-Bromofluorobenzene
Concen: 37.00 ug/l
RT: 11.52 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

Tgt Ion: 95 Resp: 53012
Ion Ratio Lower Upper
95 100
174 87.6 0.0 151.6
176 81.2 0.0 149.8

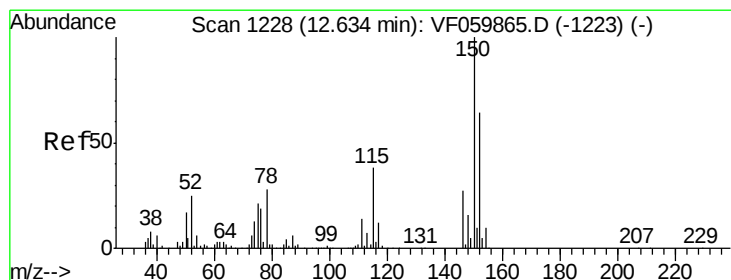
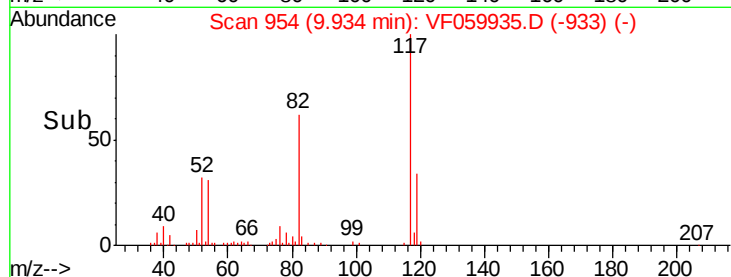
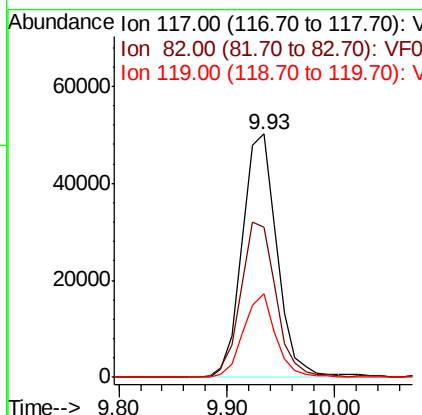
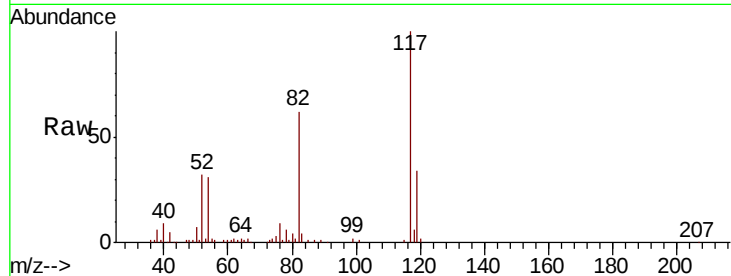




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

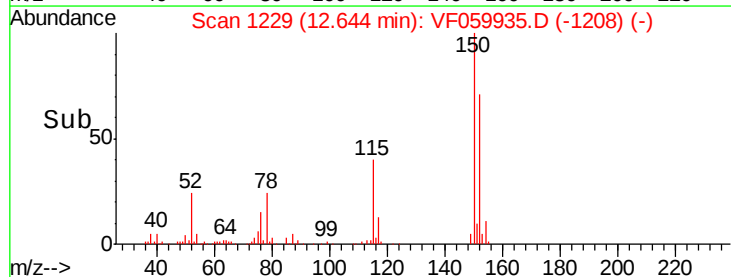
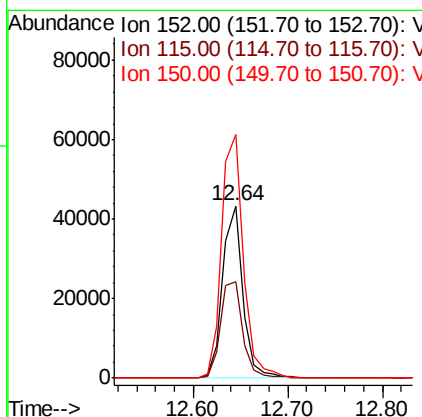
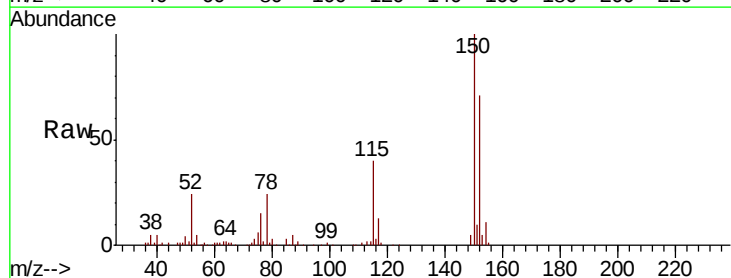
Instrument :
MSVOA_F
ClientSampleId :
CL-02-080718-D

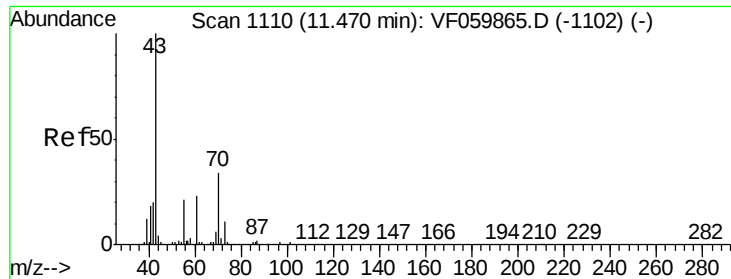
Tot Ion:117 Resp: 112287
Ion Ratio Lower Upper
117 100
82 61.7 51.3 76.9
119 34.4 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VF059935.D
Acq: 8 Aug 2018 17:01

Tgt Ion:152 Resp: 64427
Ion Ratio Lower Upper
152 100
115 55.9 29.8 89.4
150 141.3 0.0 315.6





#74
 N-amvl acetate
 Concen: 3.02 ug/l
 RT: 11.53 min Scan# 1116
 Delta R.T. 0.06 min
 Lab File: VF059935.D
 Acq: 8 Aug 2018 17:01

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-080718-D

Tot Ion	Ratio	Lower	Upper
43	100		
70	116.5	27.5	41.3#
55	0.0	16.6	25.0#
61	1126.2	18.2	27.4#

