

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060083.D
 Acq On : 24 Aug 2018 6:54
 Operator : VA/AP
 Sample : J4581-10
 Misc : 5.98g/5mL/MSVOA F/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 24 08:48:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	154379	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	239122	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	268447	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	161730	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	126802	60.01	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	120.02%	
35) Dibromofluoromethane	4.29	113	114714	61.09	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	122.18%	
50) Toluene-d8	7.71	98	281632	52.81	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	11.51	95	148472	52.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.26%	

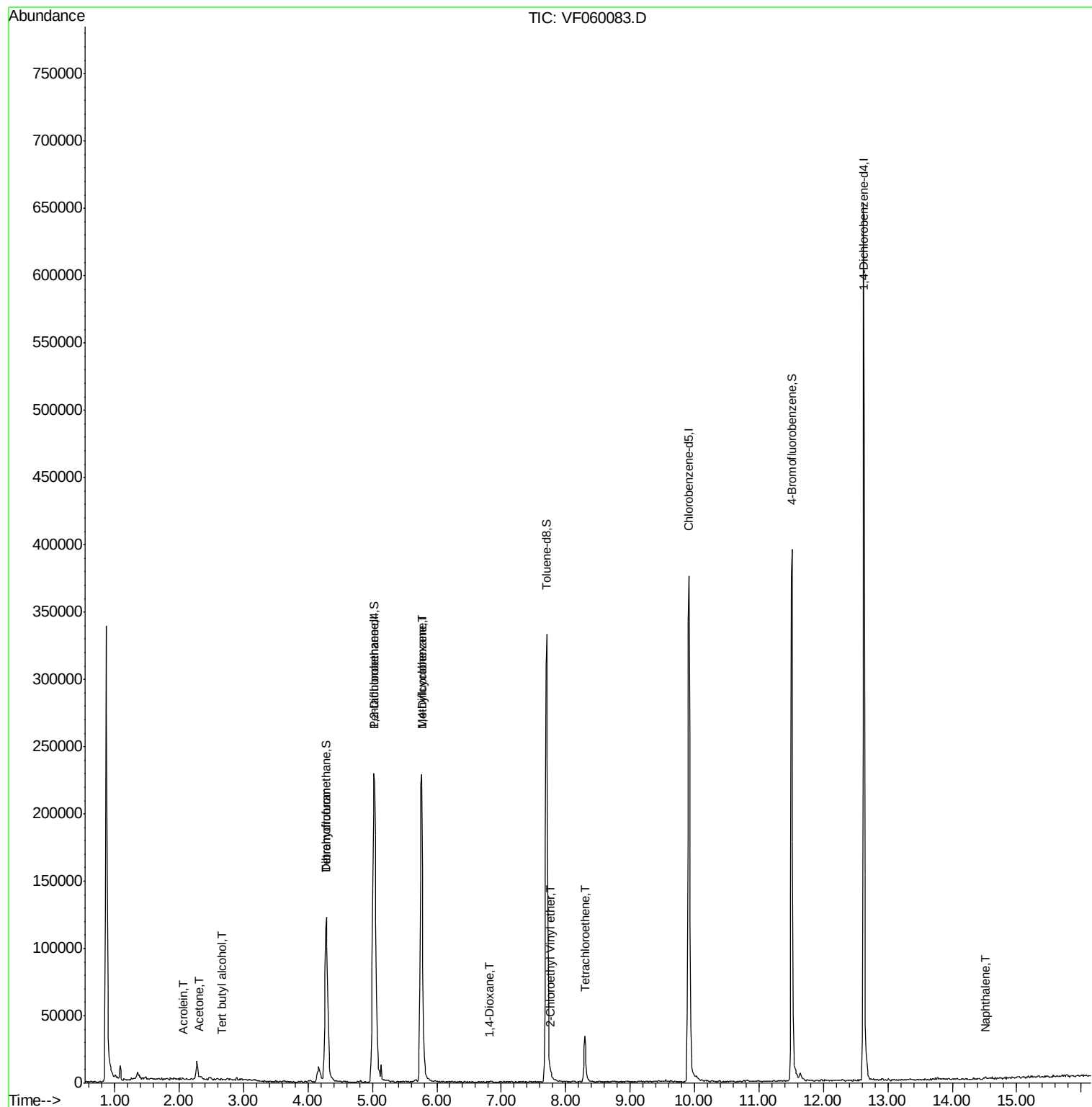
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	900	Below Cal	#	86
11) Tert butyl alcohol	2.67	59	156	1.39	ug/l #	80
13) Acrolein	2.08	56	64	27.16	ug/l #	1
16) Acetone	2.32	43	2143	3.86	ug/l #	63
18) Methyl Acetate	2.46	43	618	Below Cal	#	60
29) Tetrahydrofuran	4.28	42	411	1.51	ug/l #	37
39) Methylcyclohexane	5.75	83	4265	2.02	ug/l #	40
49) 1,4-Dioxane	6.82	88	67	6.24	ug/l #	18
52) Toluene	7.78	92	684	Below Cal		84
58) 2-Chloroethyl Vinyl ether	7.78	63	134	1.05	ug/l	100
64) Tetrachloroethene	8.30	164	9299	5.14	ug/l	92
68) m/p-Xylenes	10.25	106	219	Below Cal	#	48
95) Naphthalene	14.52	128	608	2.38	ug/l #	69

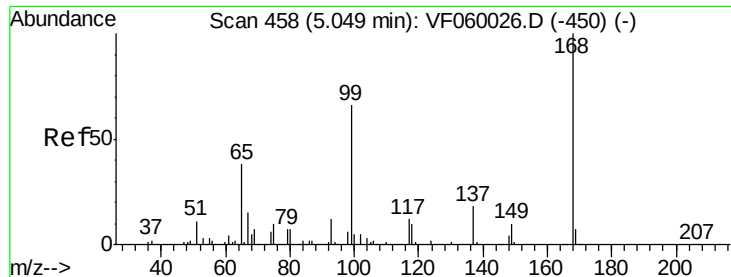
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060083.D

Acq: 24 Aug 2018 6:54

Instrument :

MSVOA_F

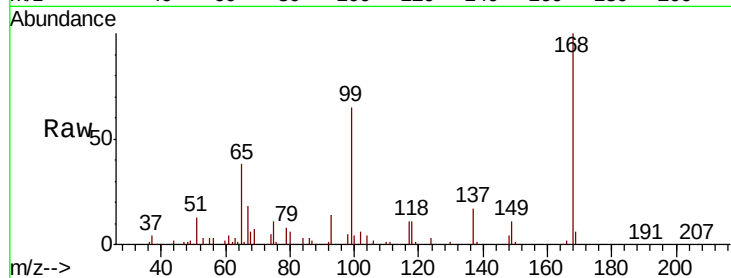
ClientSampled :

Tot Ion:168 Resp: 154379

Ion Ratio Lower Upper

168 100

99 64.7 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

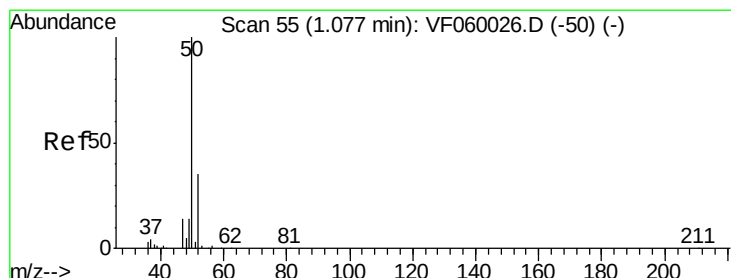
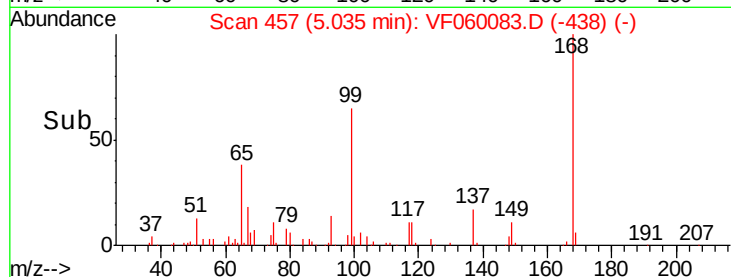
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#3

Chloromethane

Concen: Below Cal

RT: 1.08 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060083.D

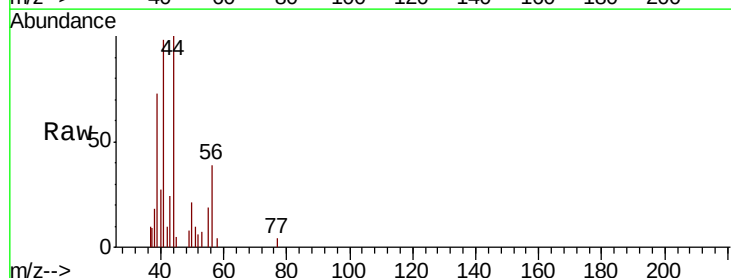
Acq: 24 Aug 2018 6:54

Tgt Ion: 50 Resp: 900

Ion Ratio Lower Upper

50 100

52 26.4 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.08

600

500

400

300

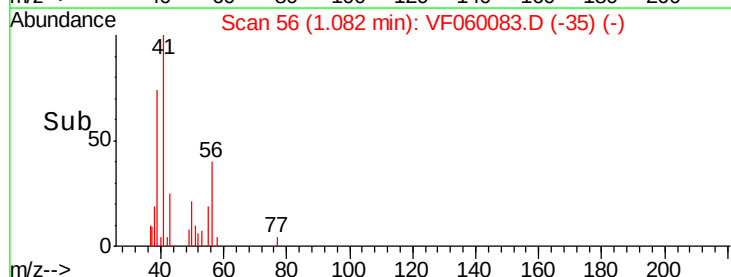
200

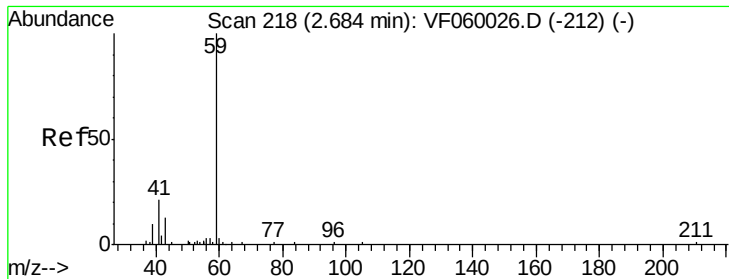
100

0

Time-->

1.05 1.10 1.15

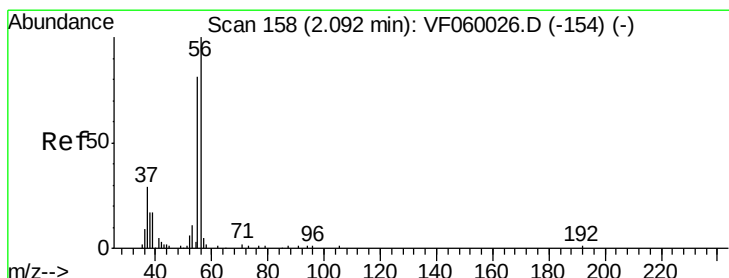
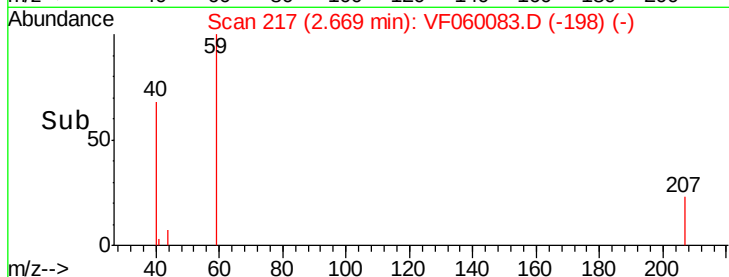
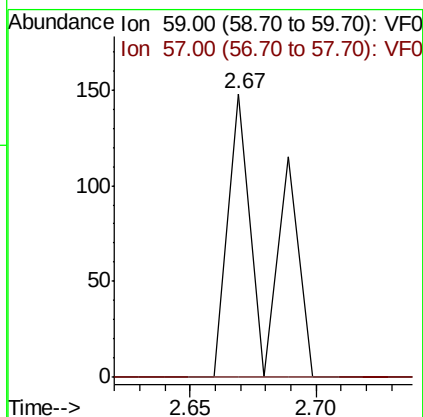
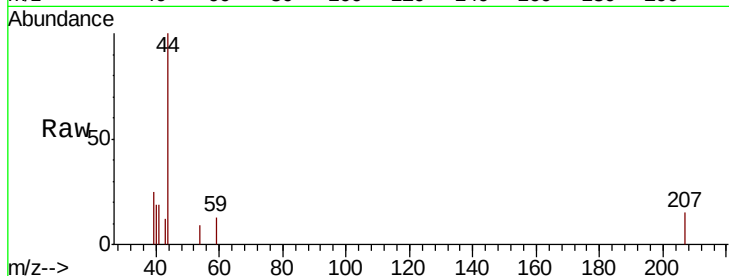




#11
Tert butyl alcohol
Concen: 1.39 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF060083.D
Acq: 24 Aug 2018 6:54

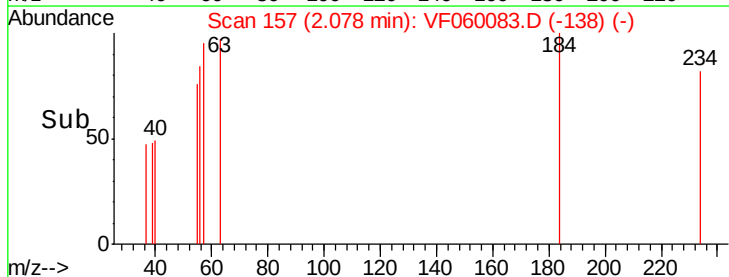
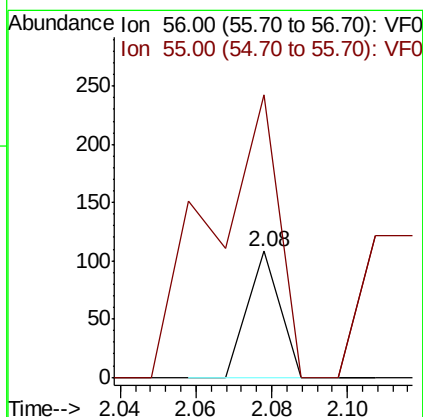
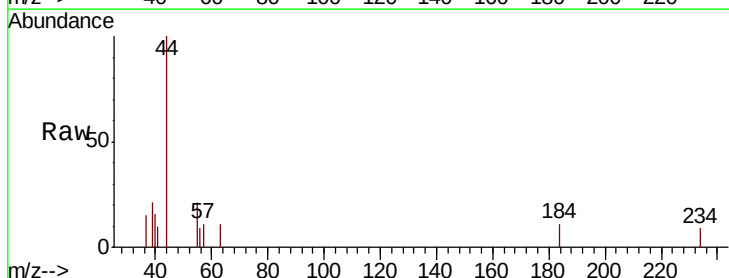
Instrument :
MSVOA_F
ClientSampleId :

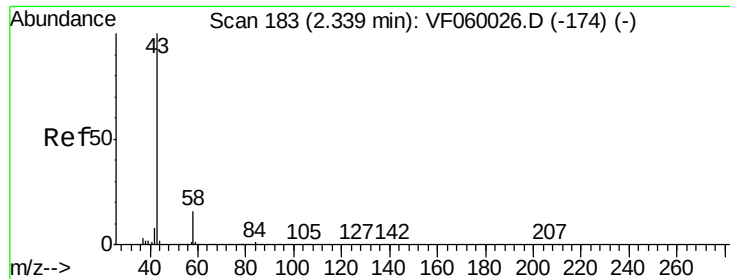
Tot Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 5.4 8.2#



#13
Acrolein
Concen: 27.16 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060083.D
Acq: 24 Aug 2018 6:54

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 225.0 65.6 98.4#





#16

Acetone

Concen: 3.86 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF060083.D

Acq: 24 Aug 2018 6:54

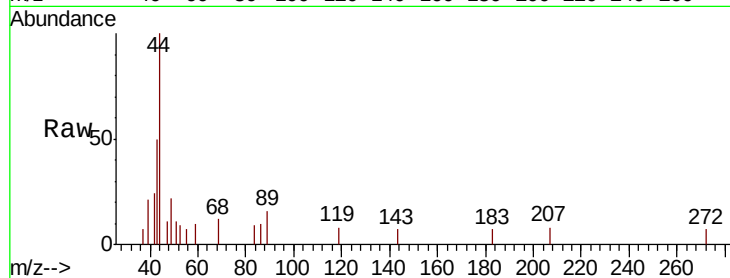
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2143

Ion Ratio Lower Upper

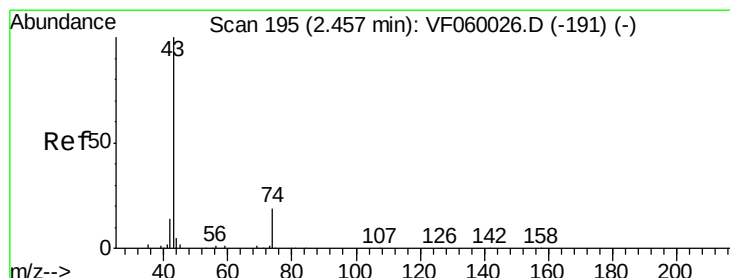
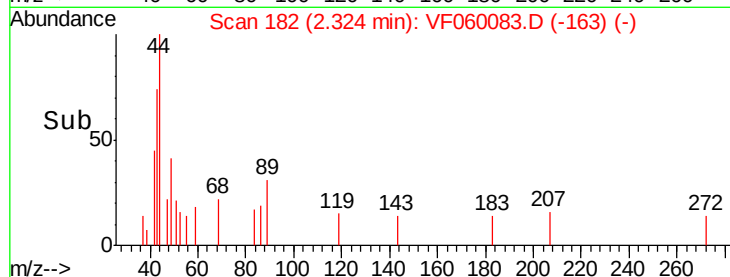
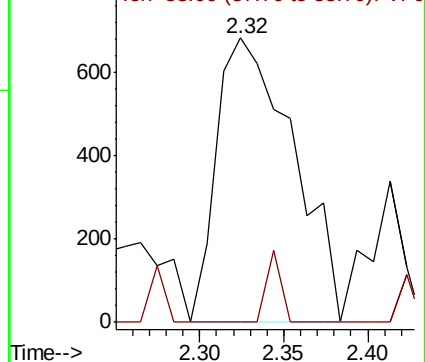
43 100

58 0.0 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF060083.D

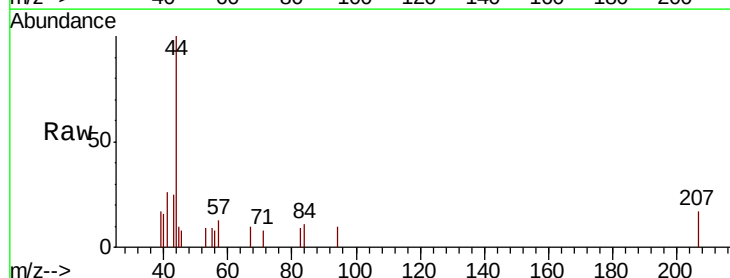
Acq: 24 Aug 2018 6:54

Tgt Ion: 43 Resp: 618

Ion Ratio Lower Upper

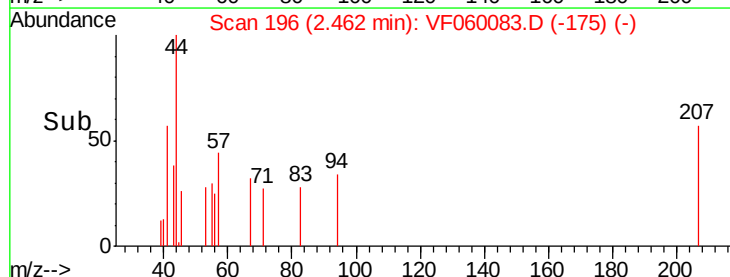
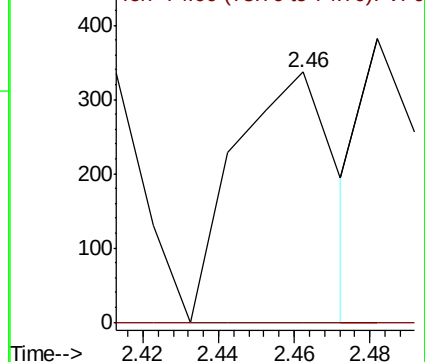
43 100

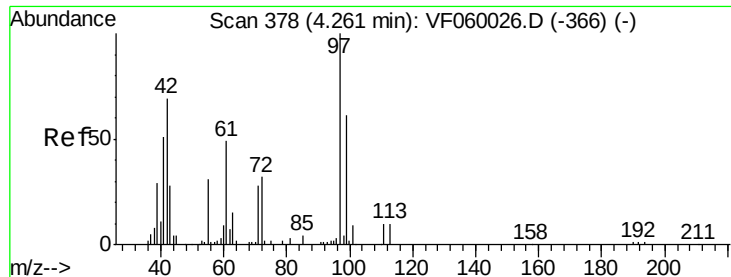
74 0.0 13.8 20.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#29

Tetrahydrofuran

Concen: 1.51 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF060083.D

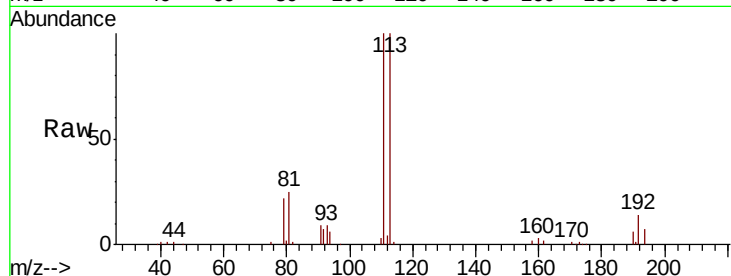
Acq: 24 Aug 2018 6:54

Instrument :

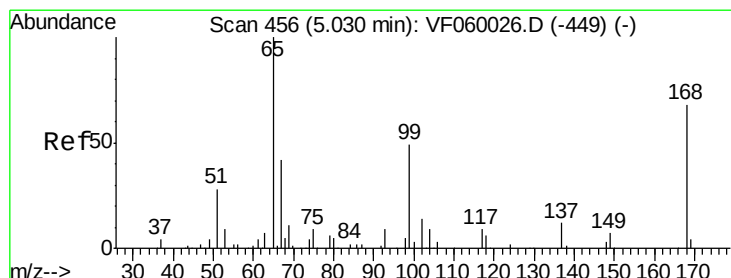
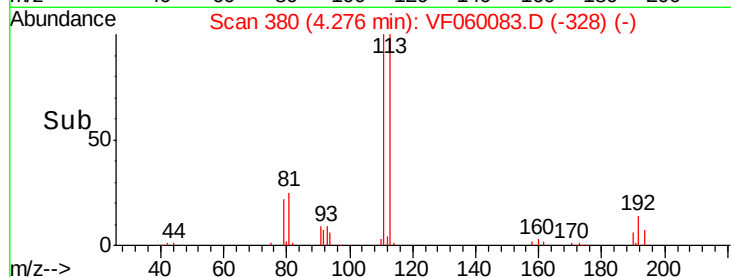
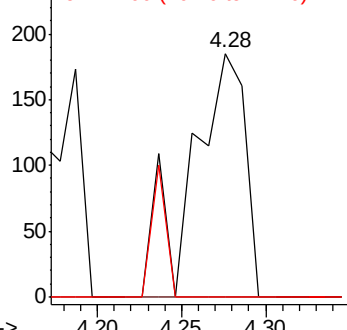
MSVOA_F

ClientSampled :

Tot Ion:	42	Resp:	411
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	0.0	29.7	44.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 60.01 ug/l

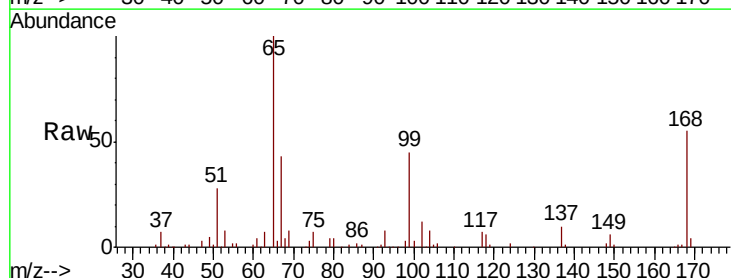
RT: 5.02 min Scan# 455

Delta R.T. -0.01 min

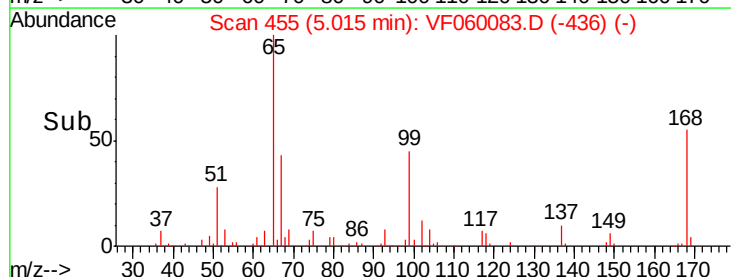
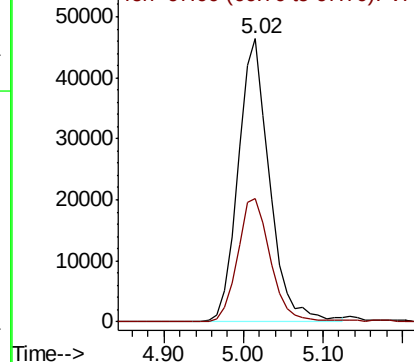
Lab File: VF060083.D

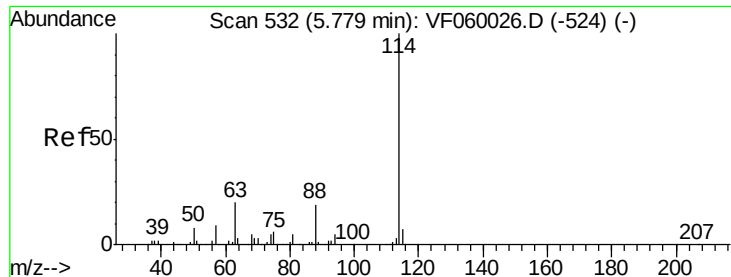
Acq: 24 Aug 2018 6:54

Tgt Ion:	65	Resp:	126802
Ion	Ratio	Lower	Upper
65	100		
67	43.4	0.0	92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060083.D

Acq: 24 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

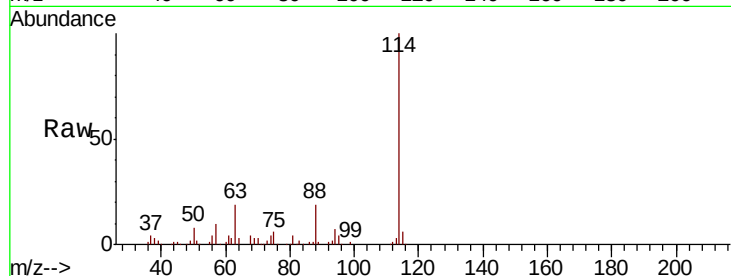
Tot Ion:114 Resp: 239122

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.4

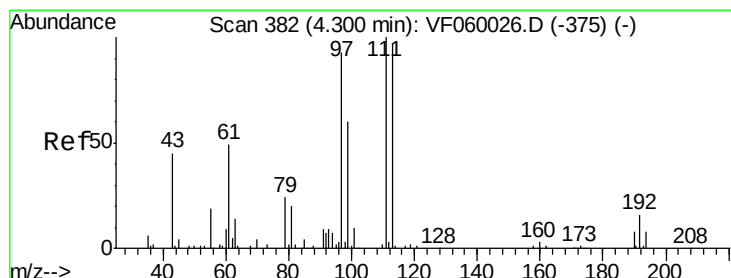
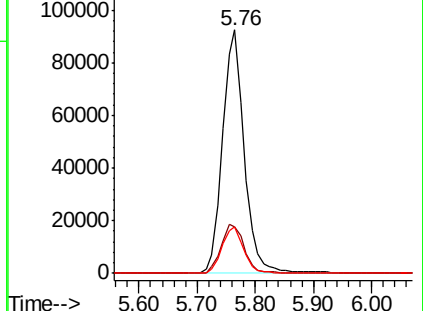
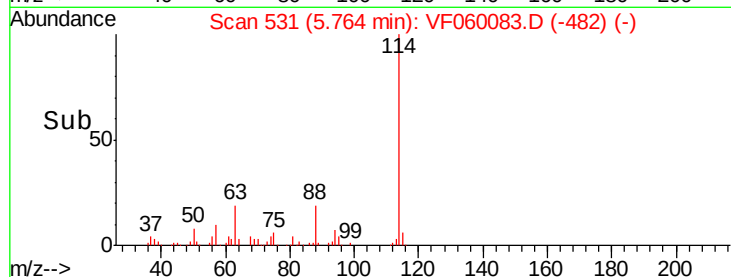
88 19.2 0.0 38.6



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: 61.09 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060083.D

Acq: 24 Aug 2018 6:54

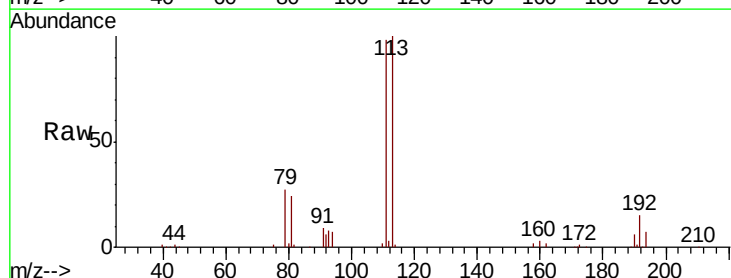
Tgt Ion:113 Resp: 114714

Ion Ratio Lower Upper

113 100

111 98.1 82.7 124.1

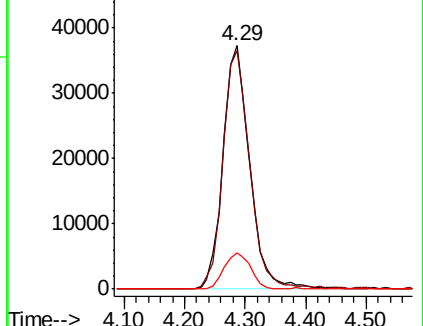
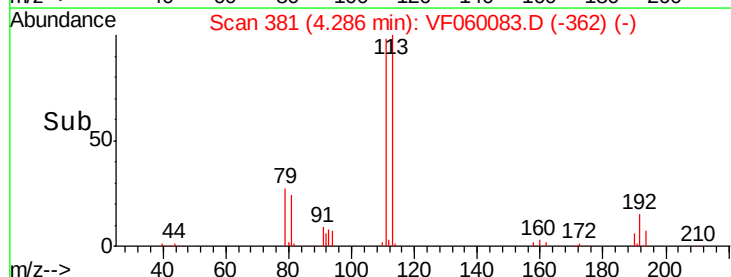
192 15.1 13.0 19.4

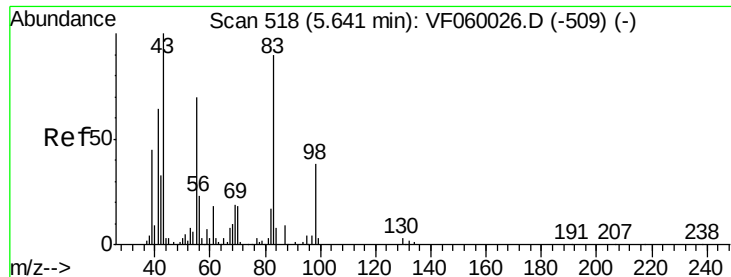


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

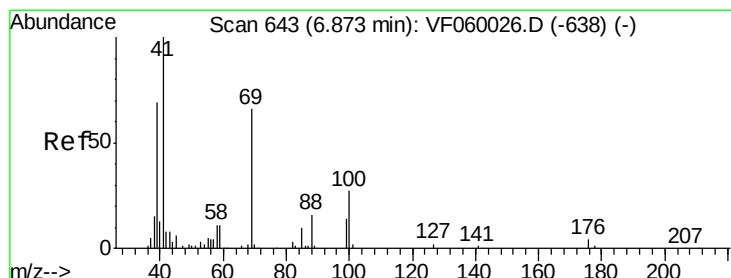
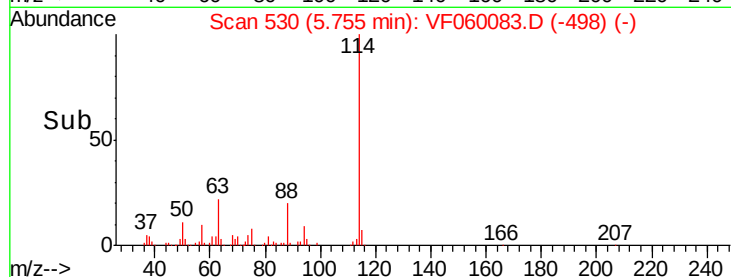
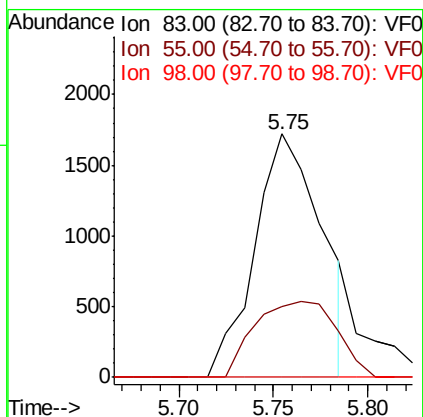
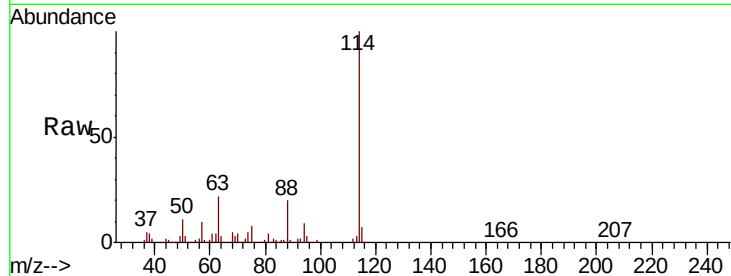




#39
Methylcyclohexane
Concen: 2.02 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.11 min
Lab File: VF060083.D
Acq: 24 Aug 2018 6:54

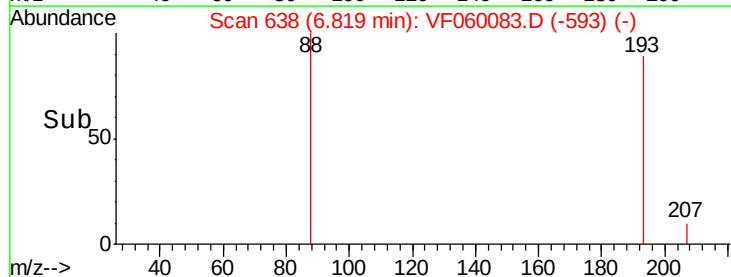
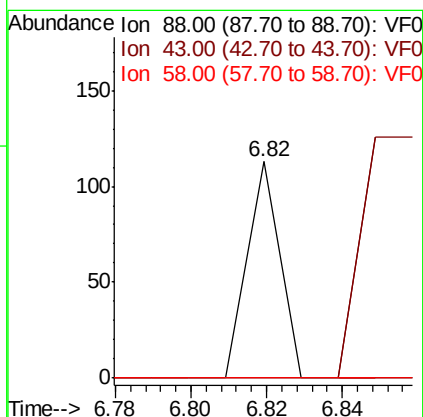
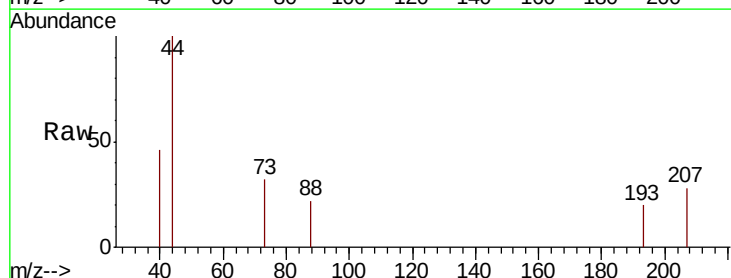
Instrument :
MSVOA_F
ClientSampleId :

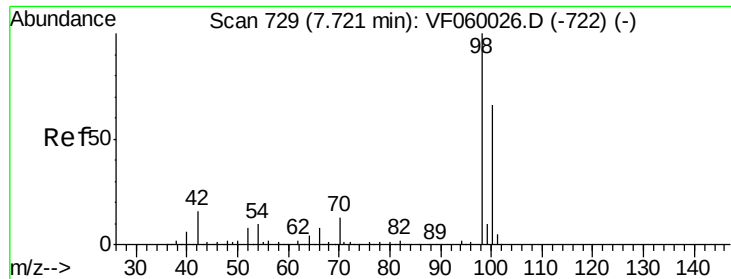
Tot Ion: 83 Resp: 4265
Ion Ratio Lower Upper
83 100
55 29.3 62.7 94.1#
98 0.0 33.8 50.8#



#49
1,4-Dioxane
Concen: 6.24 ug/l
RT: 6.82 min Scan# 638
Delta R.T. -0.05 min
Lab File: VF060083.D
Acq: 24 Aug 2018 6:54

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 0.0 46.5 69.7#
58 0.0 54.8 82.2#

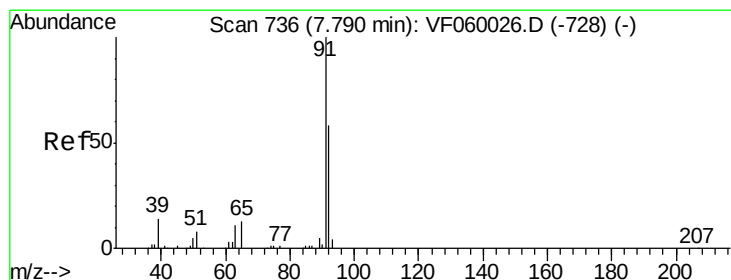
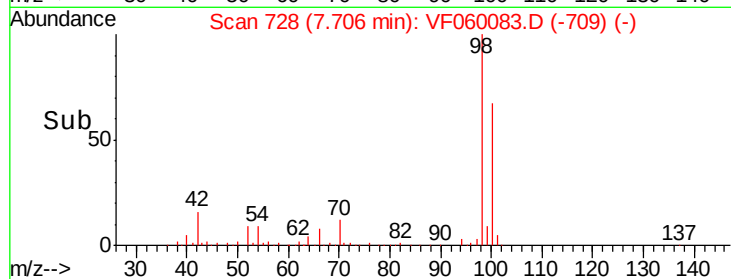
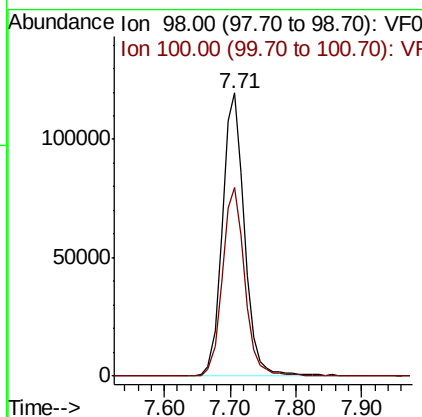
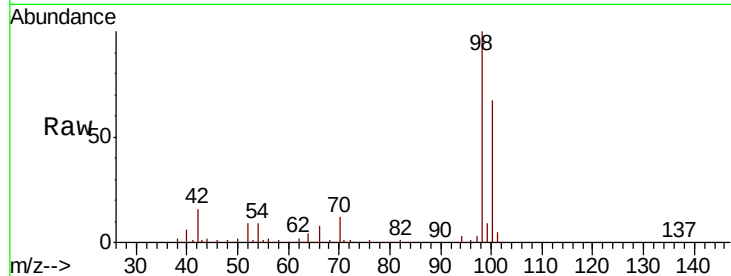




#50
Toluene-d8
Concen: 52.81 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060083.D
Acq: 24 Aug 2018 6:54

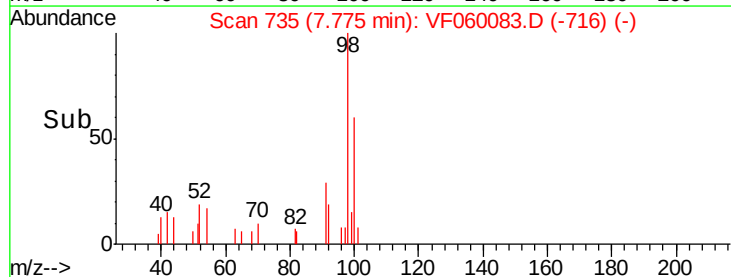
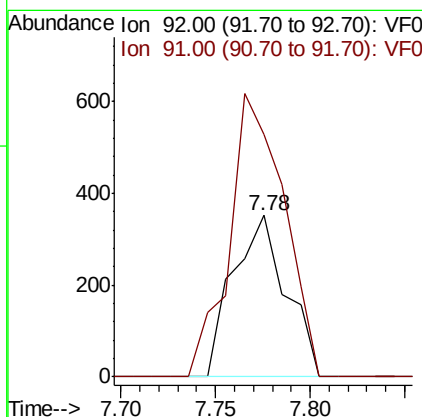
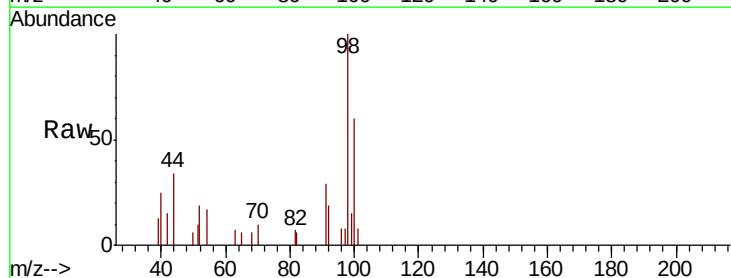
Instrument :
MSVOA_F
ClientSampleId :

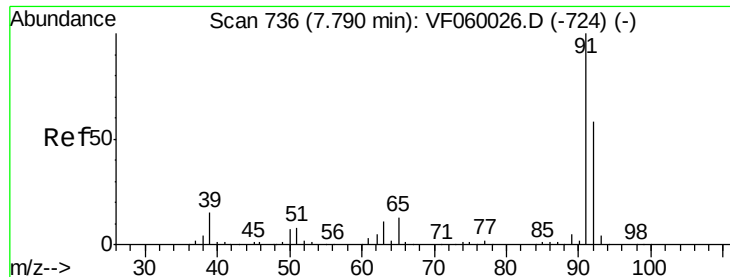
Tot Ion: 98 Resp: 281632
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8



#52
Toluene
Concen: Below Cal
RT: 7.78 min Scan# 735
Delta R.T. -0.01 min
Lab File: VF060083.D
Acq: 24 Aug 2018 6:54

Tgt Ion: 92 Resp: 684
Ion Ratio Lower Upper
92 100
91 150.0 137.7 206.5

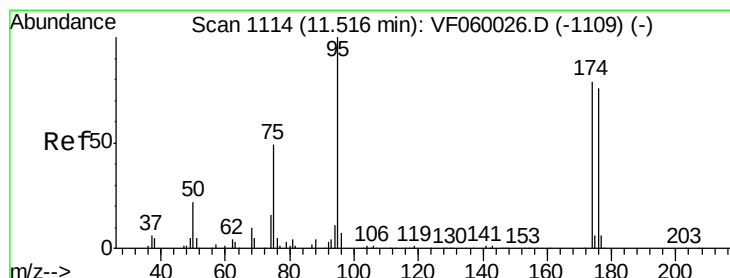
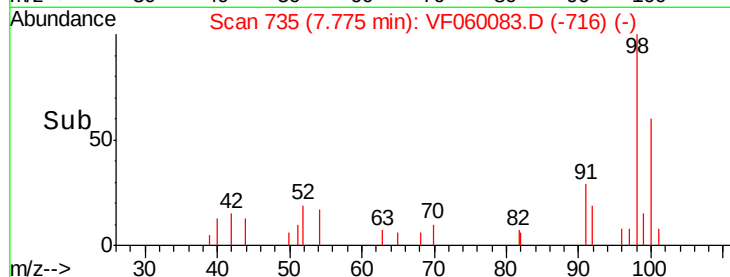
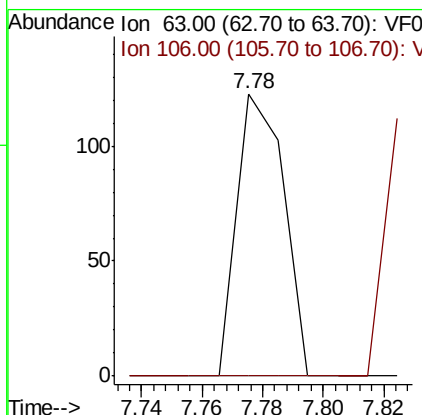
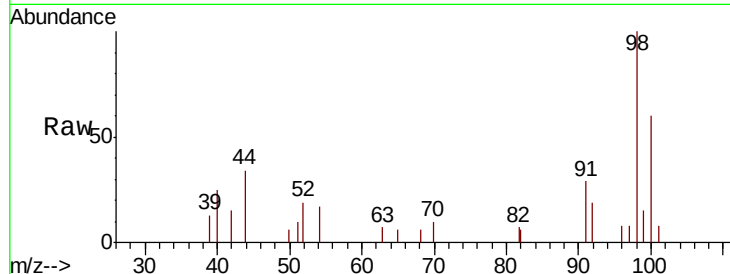




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.05 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VF060083.D
 Acq: 24 Aug 2018 6:54

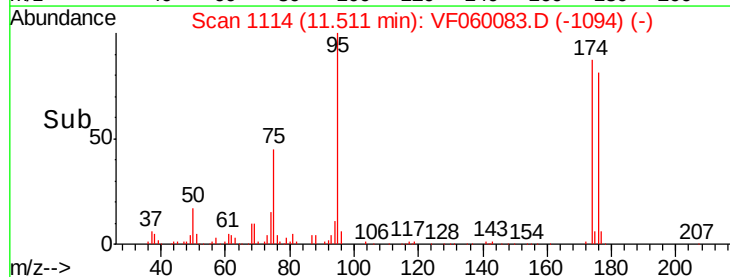
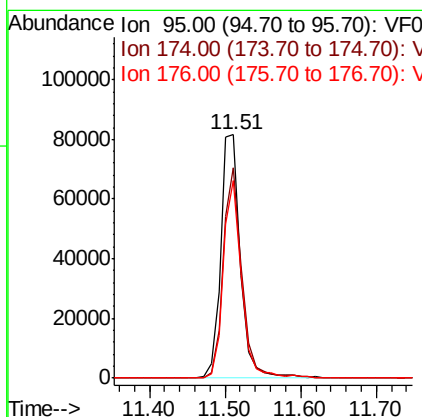
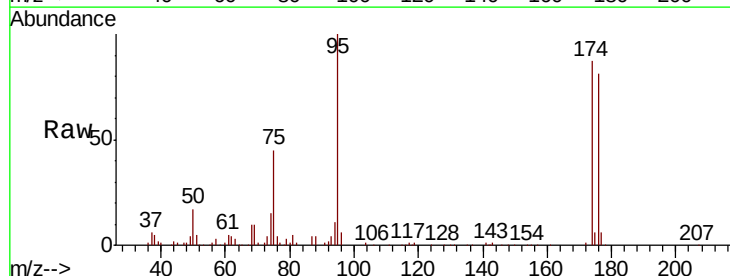
Instrument :
 MSVOA_F
 ClientSampled :

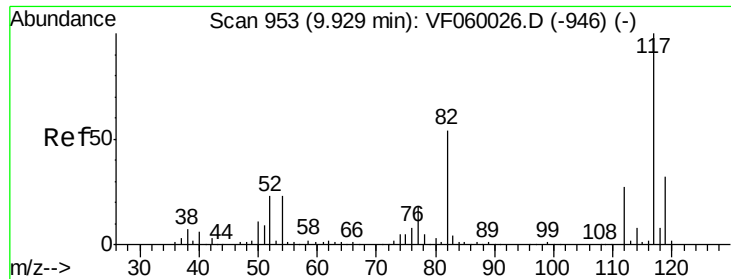
Tot Ion: 63 Resp: 134
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 52.63 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: VF060083.D
 Acq: 24 Aug 2018 6:54

Tgt Ion: 95 Resp: 148472
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 158.4
 176 81.4 0.0 153.0

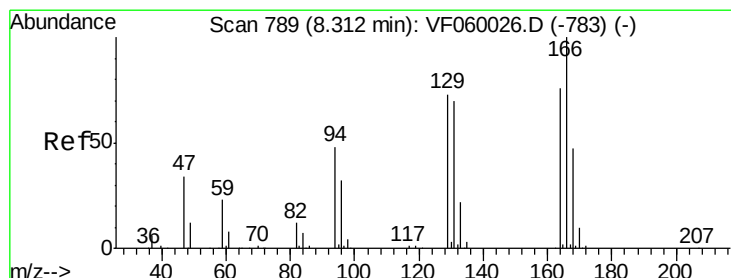
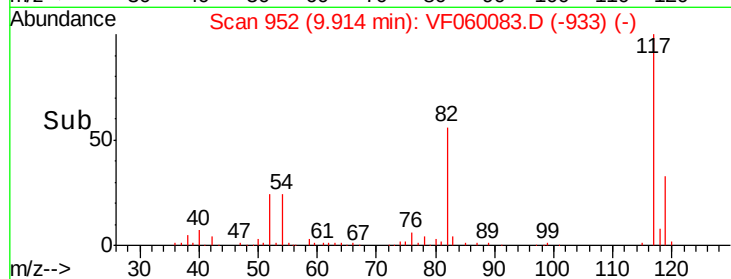
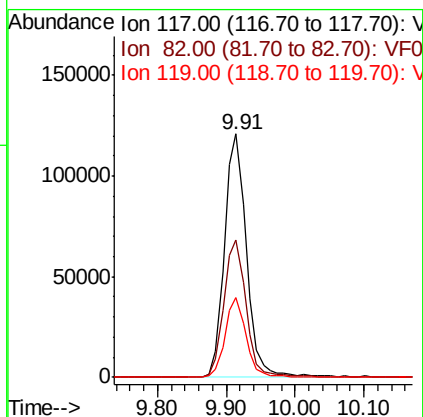
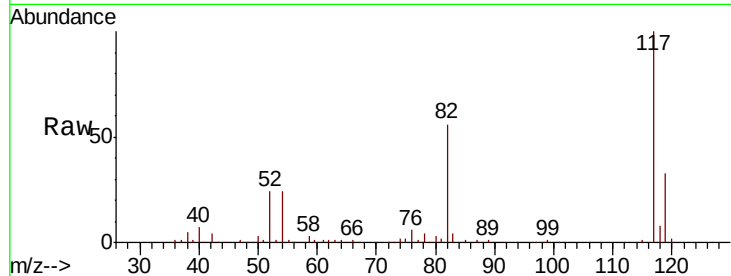




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060083.D
Acq: 24 Aug 2018 6:54

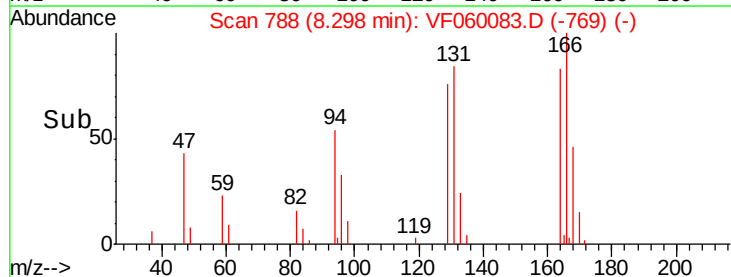
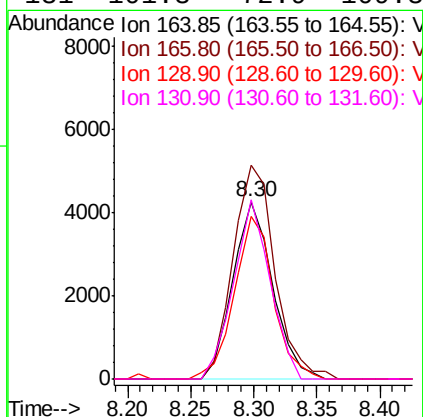
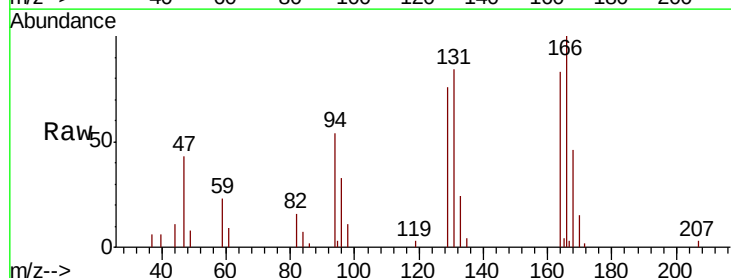
Instrument :
MSVOA_F
ClientSampleId :

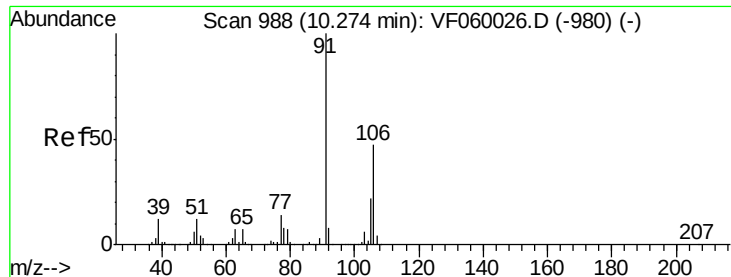
Tot Ion:117 Resp: 268447
Ion Ratio Lower Upper
117 100
82 56.3 43.6 65.4
119 32.8 25.6 38.4



#64
Tetrachloroethene
Concen: 5.14 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060083.D
Acq: 24 Aug 2018 6:54

Tgt Ion:164 Resp: 9299
Ion Ratio Lower Upper
164 100
166 120.9 104.7 157.1
129 91.9 77.0 115.4
131 101.3 72.9 109.3





#68

m/p-Xylenes

Concen: Below Cal

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF060083.D

Acq: 24 Aug 2018 6:54

Instrument :

MSVOA_F

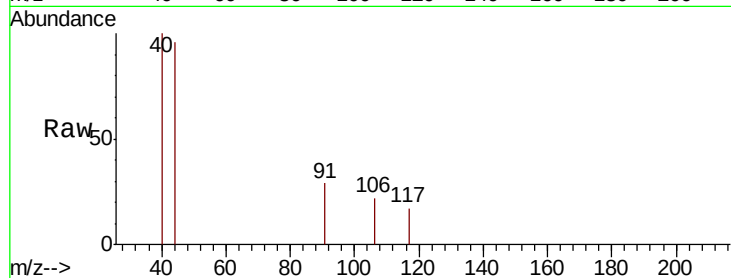
ClientSampled :

Tot Ion:106 Resp: 219

Ion Ratio Lower Upper

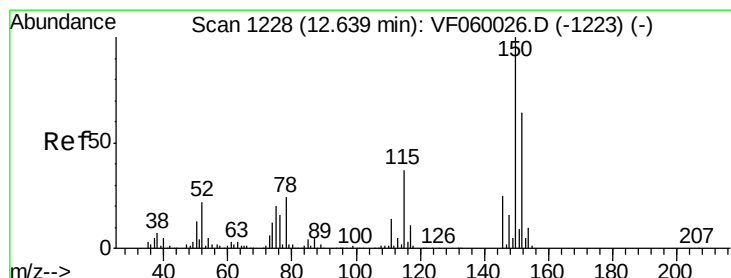
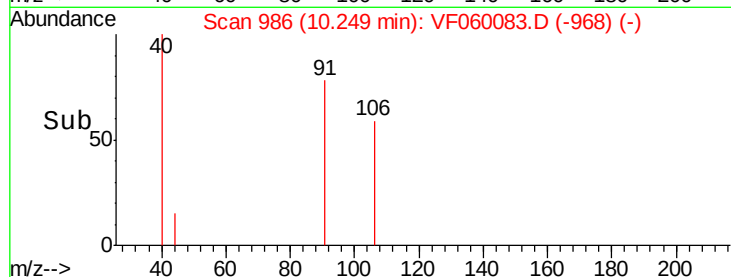
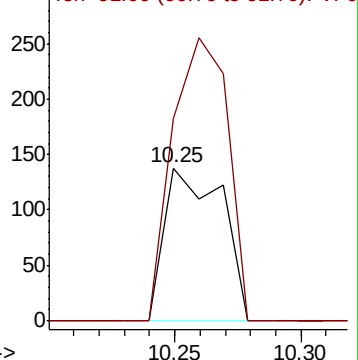
106 100

91 131.9 171.8 257.8#



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: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060083.D

Acq: 24 Aug 2018 6:54

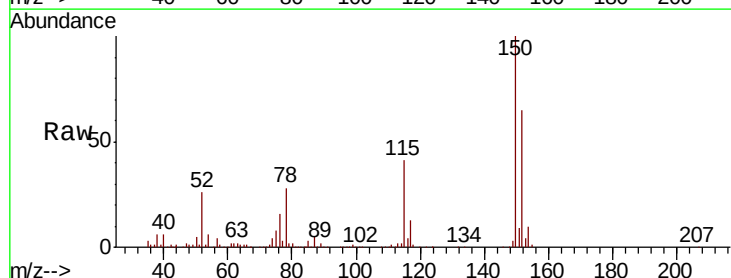
Tgt Ion:152 Resp: 161730

Ion Ratio Lower Upper

152 100

115 62.0 28.6 85.9

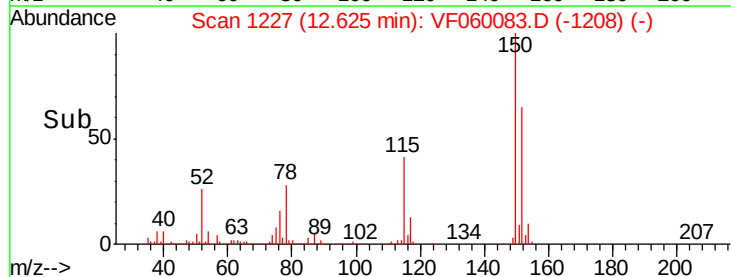
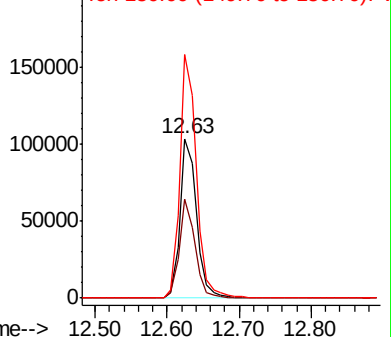
150 152.7 0.0 312.0

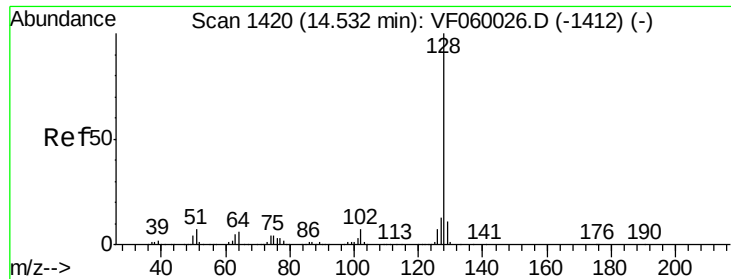


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

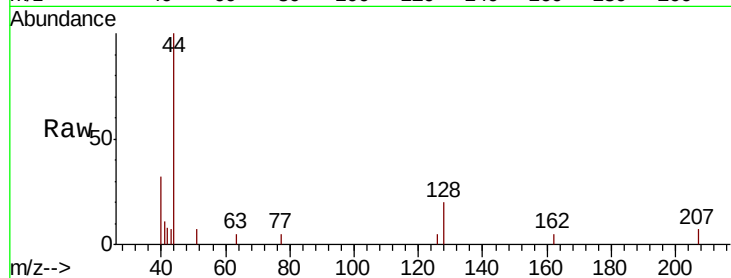




#95
 Naphthalene
 Concen: 2.38 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VF060083.D
 Acq: 24 Aug 2018 6:54

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.5	12.7#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

