

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059594.D
 Acq On : 20 Jul 2018 21:27
 Operator : VA/AP
 Sample : J4016-19
 Misc : 8.11g/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 23:28:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	208296	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	309944	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	306829	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	164017	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	153377	47.35	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	94.70%	
35) Dibromofluoromethane	4.29	113	138760	51.69	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	103.38%	
50) Toluene-d8	7.71	98	314090	46.45	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	11.51	95	144021	40.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.20%	

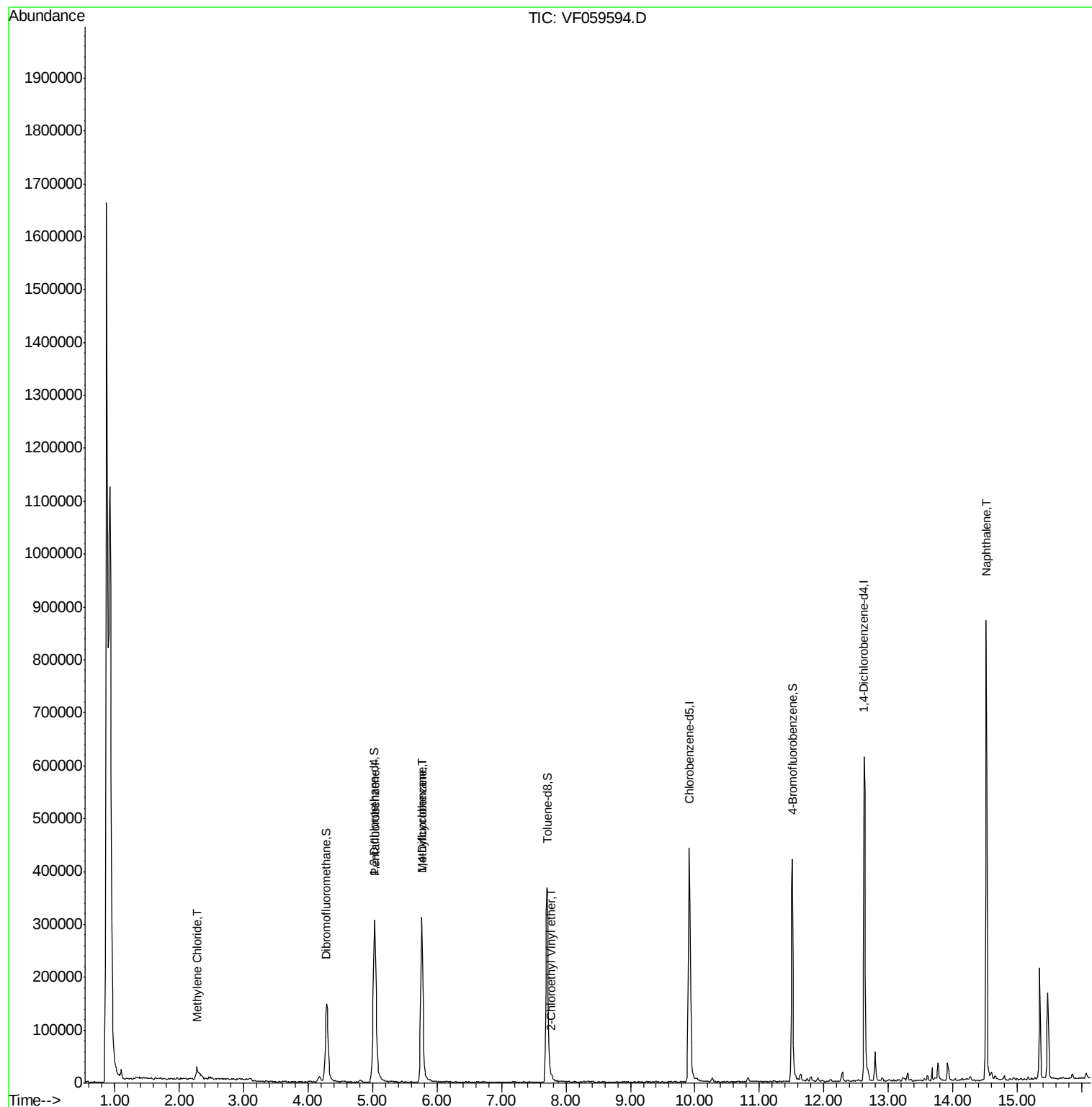
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.69	59	367	Below Cal	#	1
13) Acrolein	2.08	56	312	Below Cal		94
16) Acetone	2.32	43	12029	Below Cal		99
18) Methyl Acetate	2.45	43	1335	Below Cal	#	67
20) Methylene Chloride	2.27	84	11340	3.496	ug/l #	85
29) Tetrahydrofuran	4.28	42	154	Below Cal	#	61
37) Ethyl Acetate	4.31	43	104	Below Cal	#	41
39) Methylcyclohexane	5.75	83	4939	2.098	ug/l #	37
49) 1,4-Dioxane	7.11	88	111	Below Cal	#	25
58) 2-Chloroethyl Vinyl ether	7.79	63	538	2.905	ug/l	100
95) Naphthalene	14.52	128	609168	101.386	ug/l	100

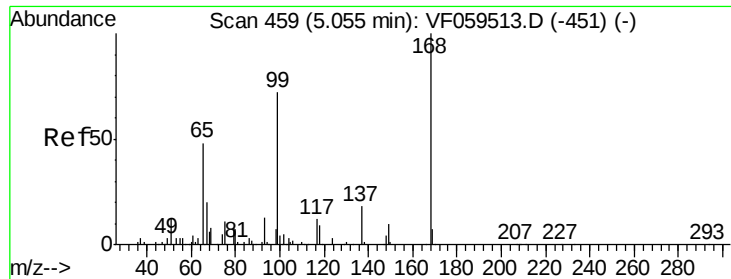
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059594.D

Acq: 20 Jul 2018 21:27

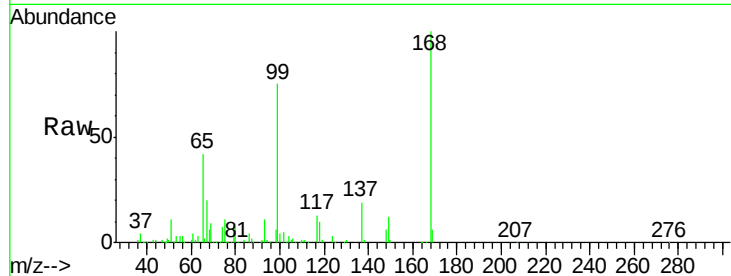
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 208296

Ion Ratio Lower Upper

168 100

99 75.4 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

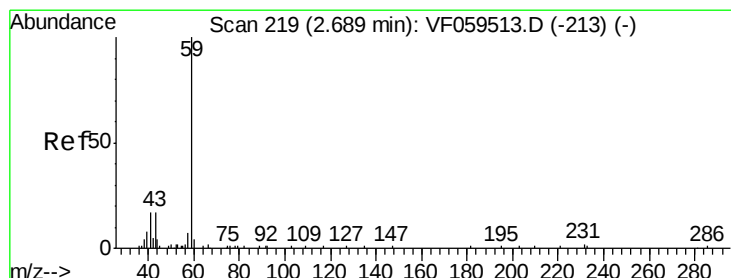
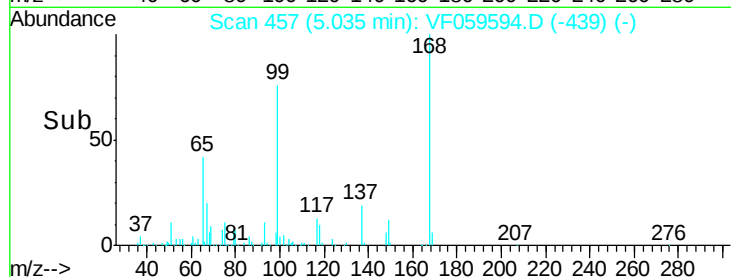
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.69 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF059594.D

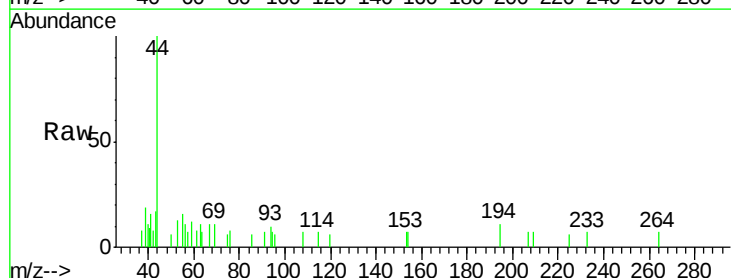
Acq: 20 Jul 2018 21:27

Tgt Ion: 59 Resp: 367

Ion Ratio Lower Upper

59 100

57 57.7 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.69

250

200

150

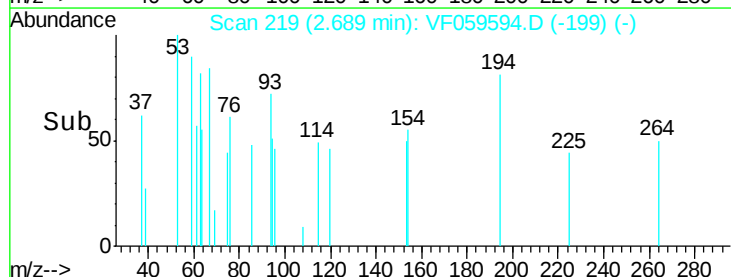
100

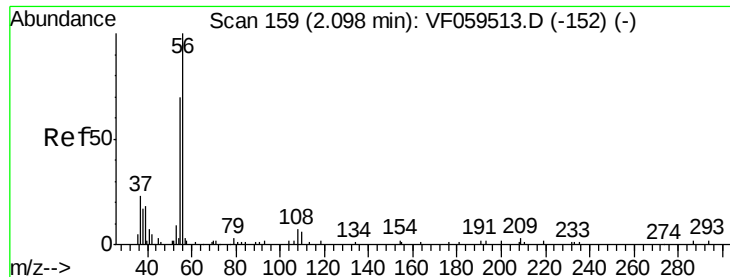
50

0

Time-->

2.64 2.66 2.68 2.70

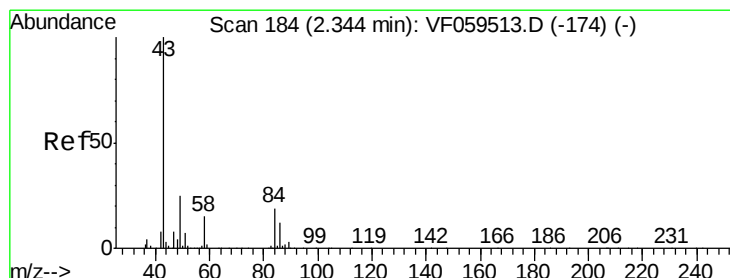
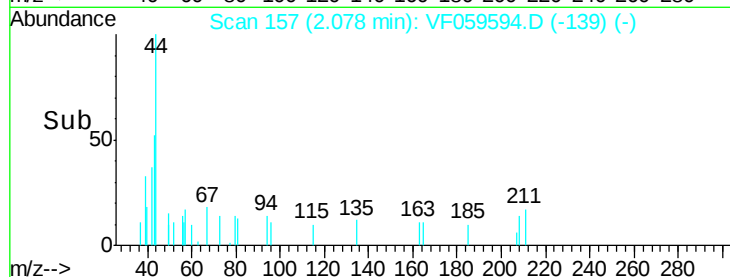
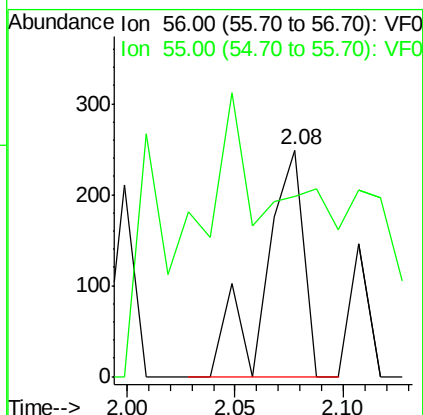
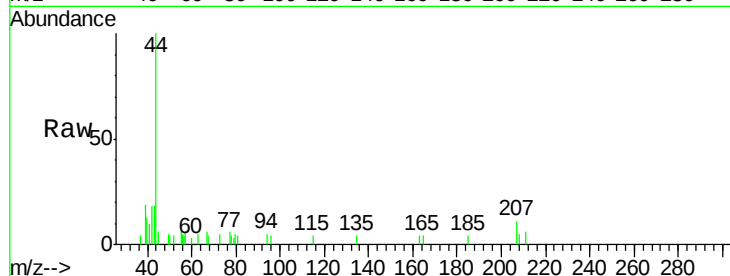




#13
Acrolein
Concen: Below Cal
RT: 2.08 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

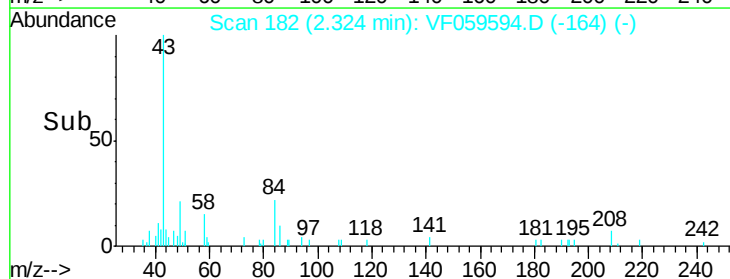
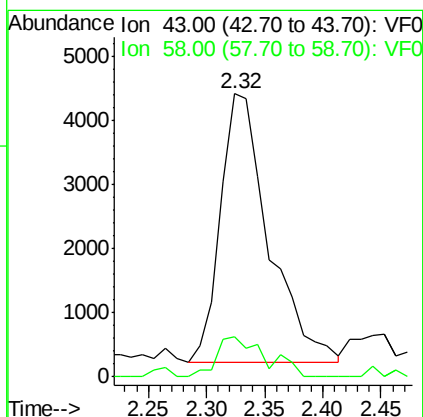
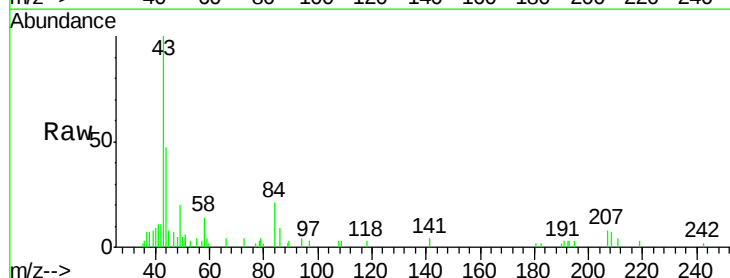
Instrument :
MSVOA_F
ClientSampleId :

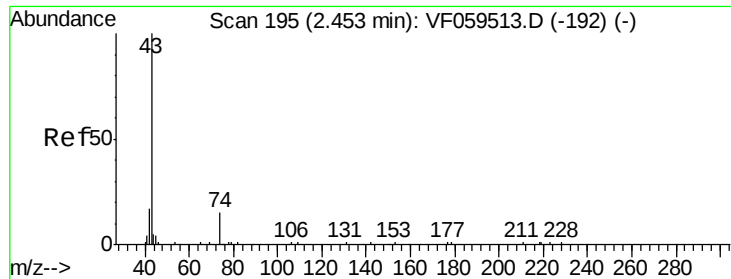
Tot Ion: 56 Resp: 312
Ion Ratio Lower Upper
56 100
55 79.5 59.4 89.2



#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

Tgt Ion: 43 Resp: 12029
Ion Ratio Lower Upper
43 100
58 14.2 11.8 17.6

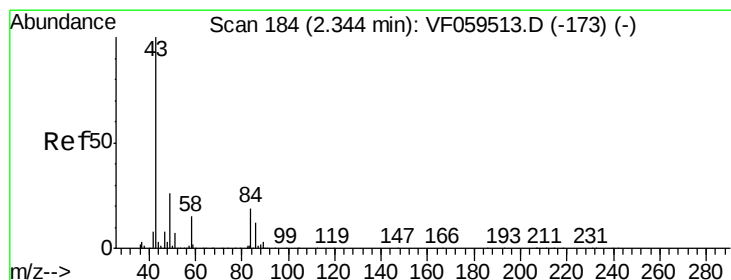
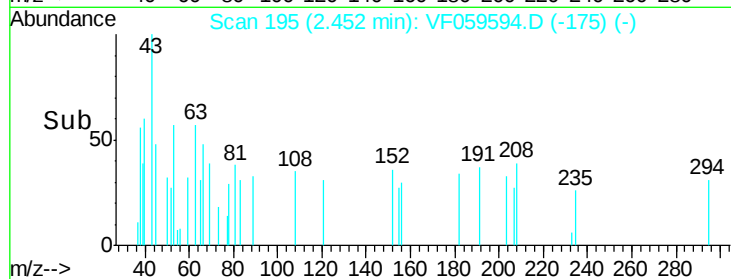
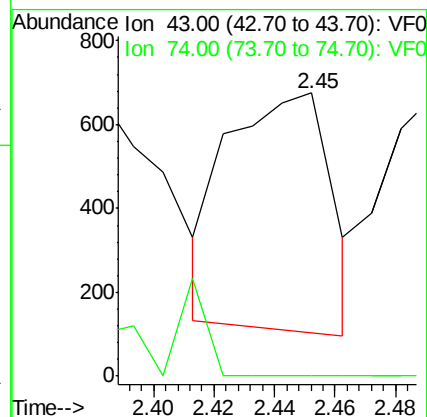
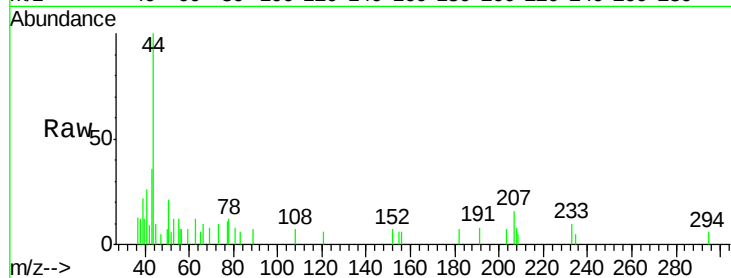




#18
Methvl Acetate
Concen: Below Cal
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

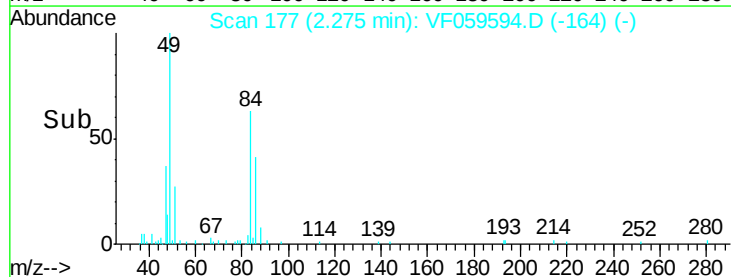
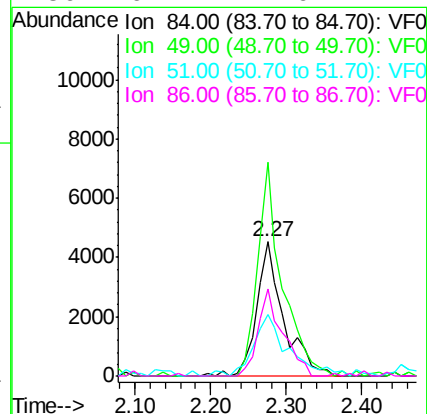
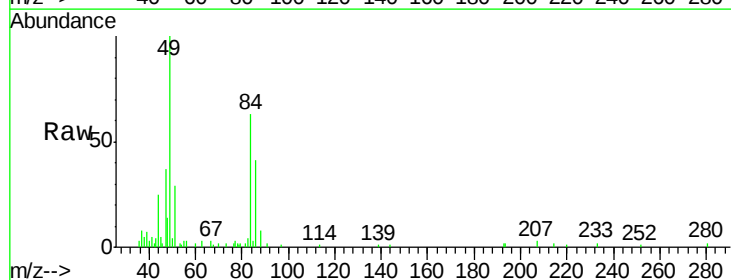
Instrument :
MSVOA_F
ClientSampleId :

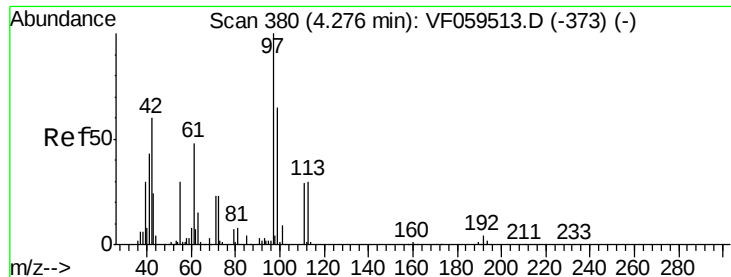
Tot Ion: 43 Resp: 1335
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#20
Methylene Chloride
Concen: 3.496 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

Tgt Ion: 84 Resp: 11340
Ion Ratio Lower Upper
84 100
49 159.6 109.4 164.2
51 46.2 30.5 45.7#
86 64.7 47.6 71.4





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.28 min Scan# 380

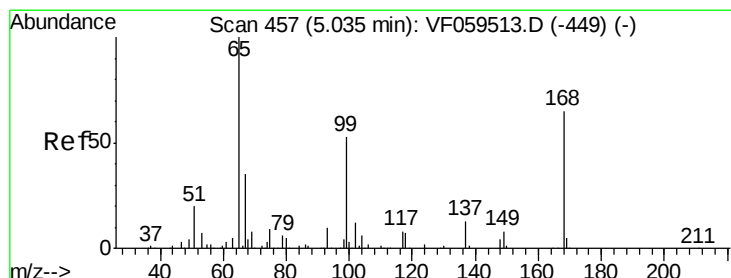
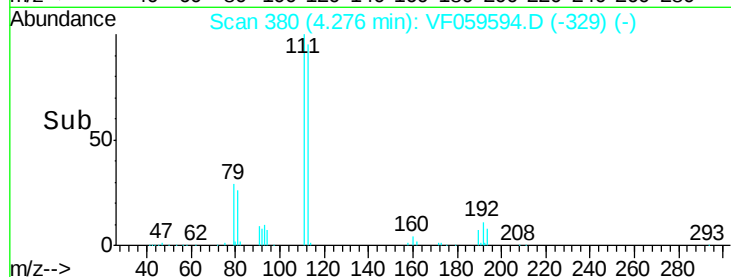
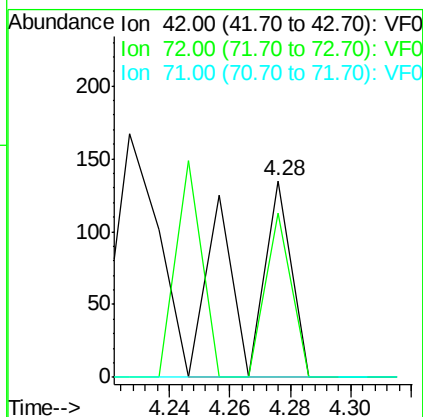
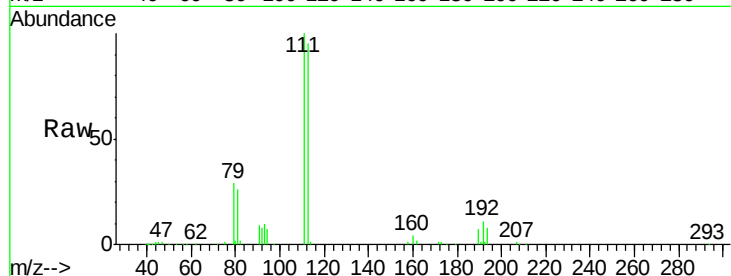
Delta R.T. 0.00 min

Lab File: VF059594.D

Acq: 20 Jul 2018 21:27

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	42	Resp:	154
Ion	Ratio	Lower	Upper
42	100		
72	43.5	28.7	43.1#
71	0.0	30.8	46.2#



#33

1,2-Dichloroethane-d4

Concen: 47.346 ug/l

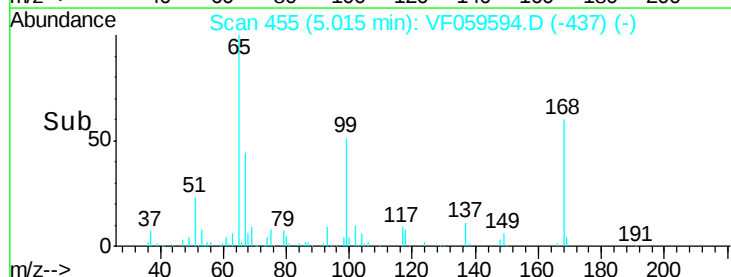
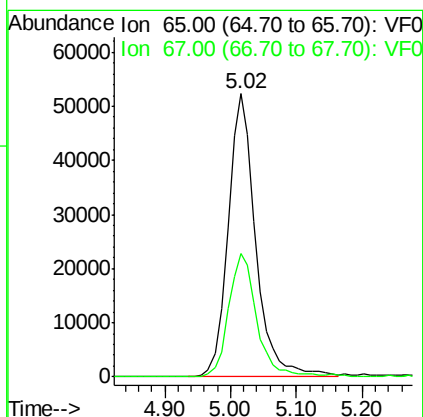
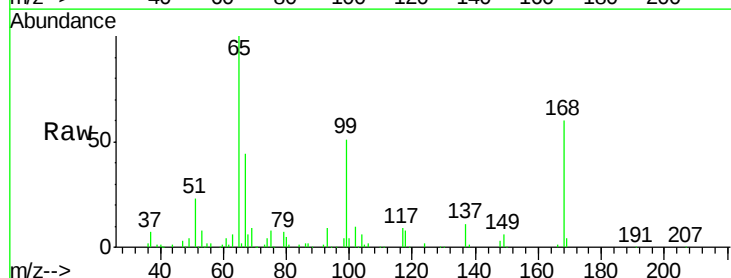
RT: 5.02 min Scan# 455

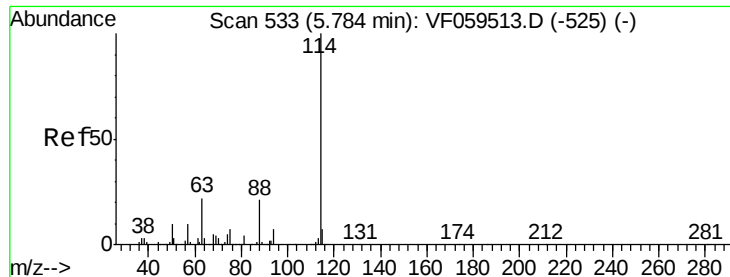
Delta R.T. -0.02 min

Lab File: VF059594.D

Acq: 20 Jul 2018 21:27

Tgt Ion:	65	Resp:	153377
Ion	Ratio	Lower	Upper
65	100		
67	43.6	0.0	91.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059594.D

Acq: 20 Jul 2018 21:27

Instrument :

MSVOA_F

ClientSampleId :

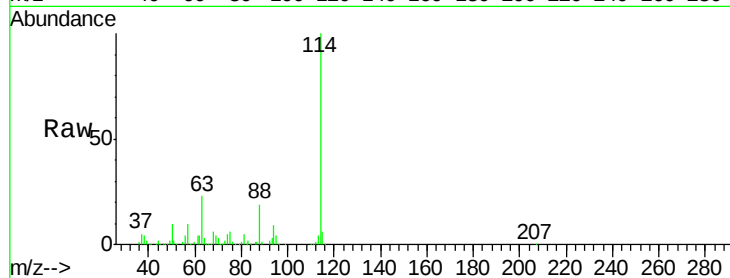
Tot Ion:114 Resp: 309944

Ion Ratio Lower Upper

114 100

63 23.3 0.0 44.8

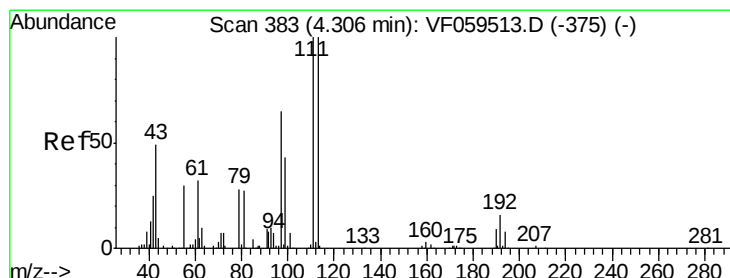
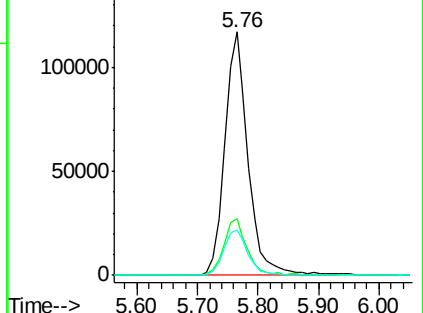
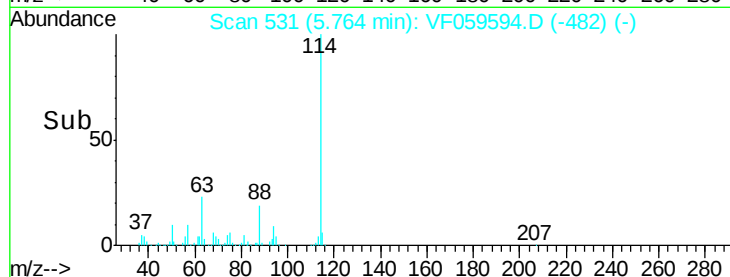
88 18.5 0.0 42.6



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: 51.692 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059594.D

Acq: 20 Jul 2018 21:27

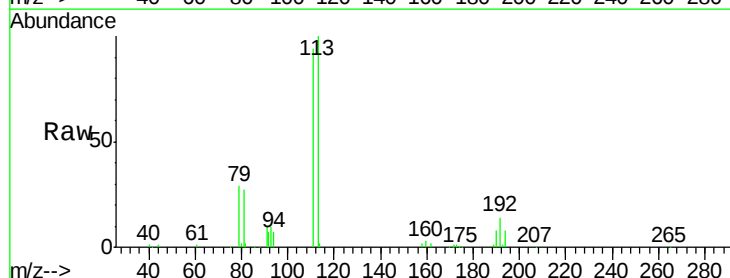
Tgt Ion:113 Resp: 138760

Ion Ratio Lower Upper

113 100

111 93.8 80.3 120.5

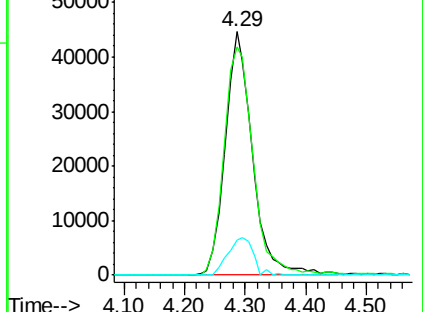
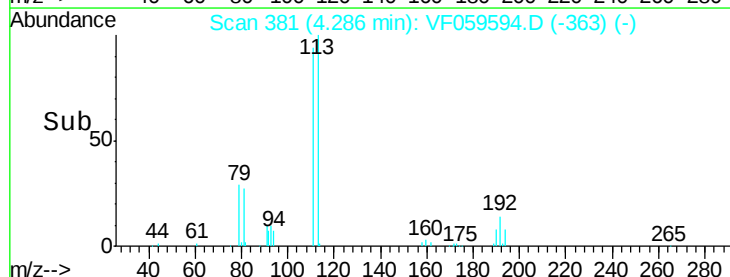
192 14.3 13.1 19.7

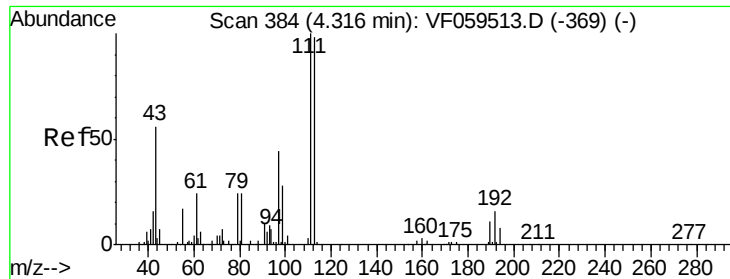


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

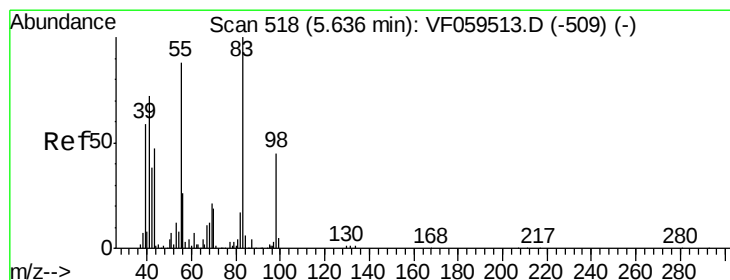
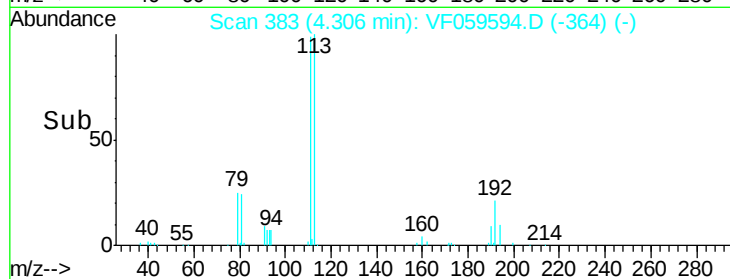
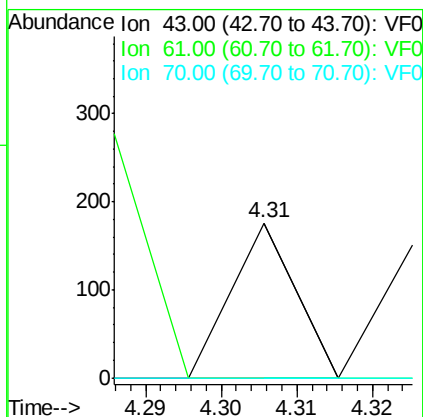
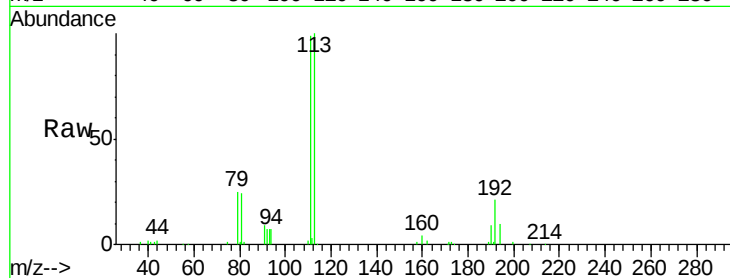




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

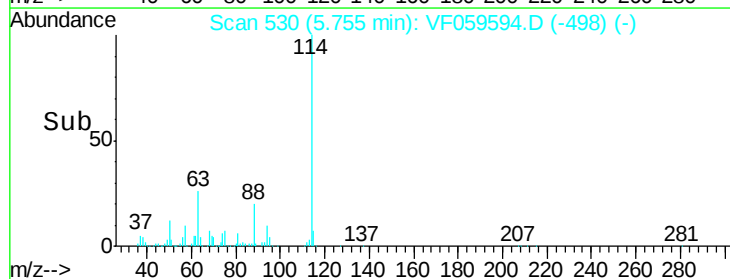
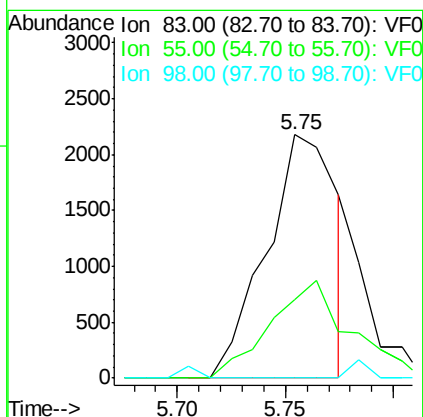
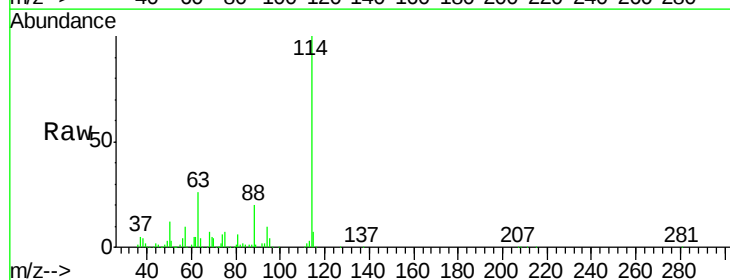
Instrument :
MSVOA_F
ClientSampleId :

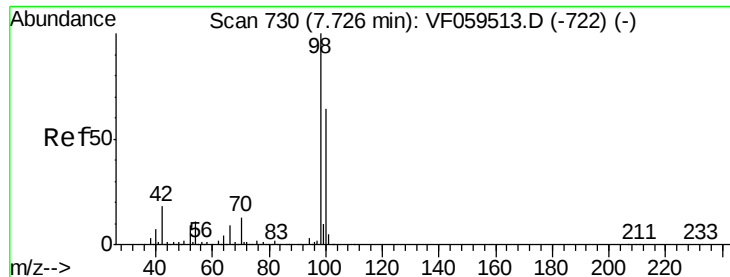
Tot Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
61 0.0 33.7 50.5#
70 0.0 7.4 11.0#



#39
Methylcyclohexane
Concen: 2.098 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.12 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

Tgt Ion: 83 Resp: 4939
Ion Ratio Lower Upper
83 100
55 32.3 70.2 105.4#
98 0.0 36.2 54.2#





#50

Toluene-d8

Concen: 46.451 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF059594.D

Acq: 20 Jul 2018 21:27

Instrument :

MSVOA_F

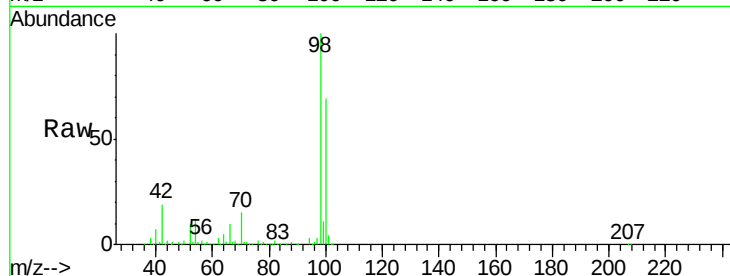
ClientSampleId :

Tot Ion: 98 Resp: 314090

Ion Ratio Lower Upper

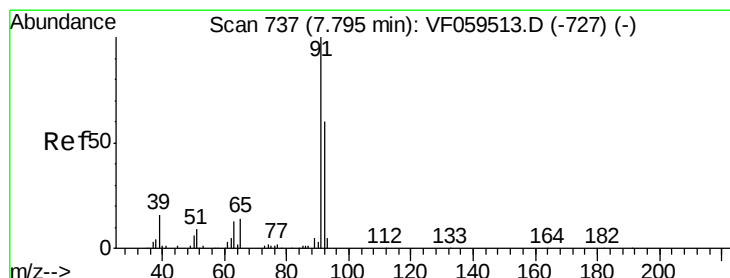
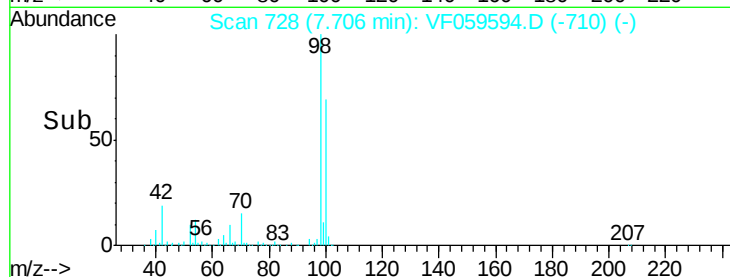
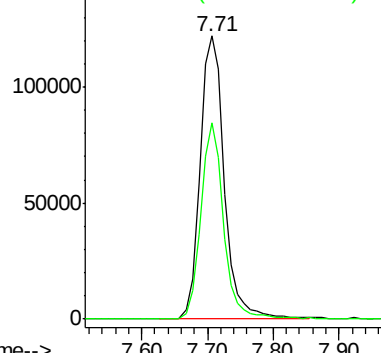
98 100

100 69.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 2.905 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059594.D

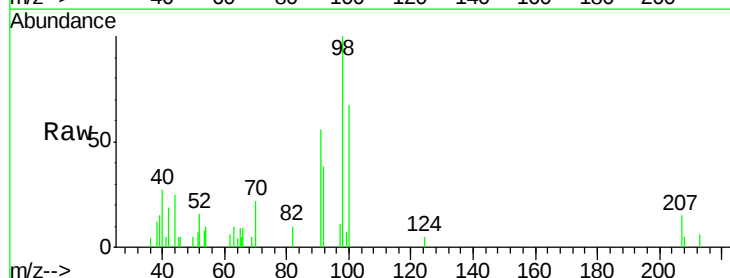
Acq: 20 Jul 2018 21:27

Tgt Ion: 63 Resp: 538

Ion Ratio Lower Upper

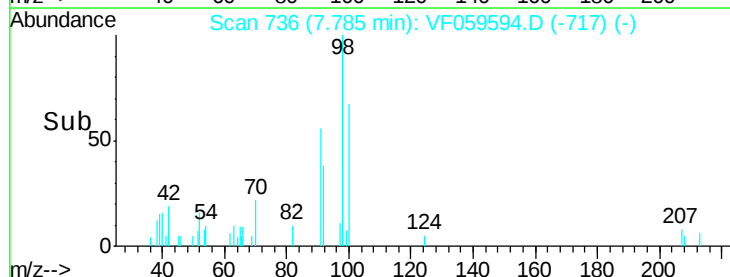
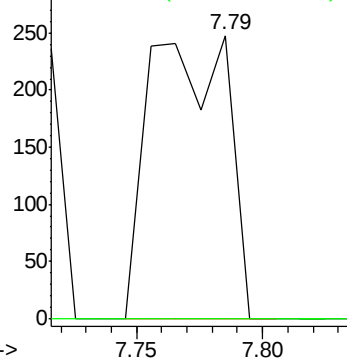
63 100

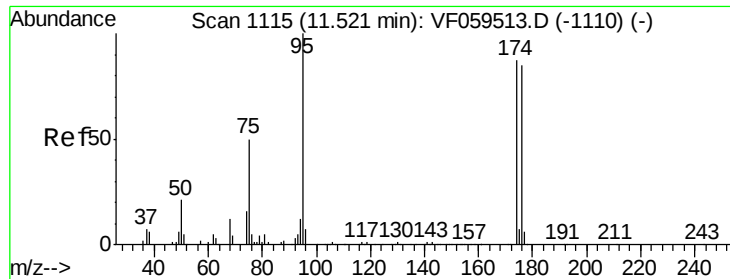
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

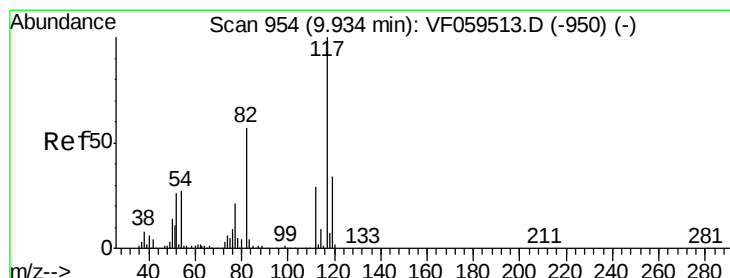
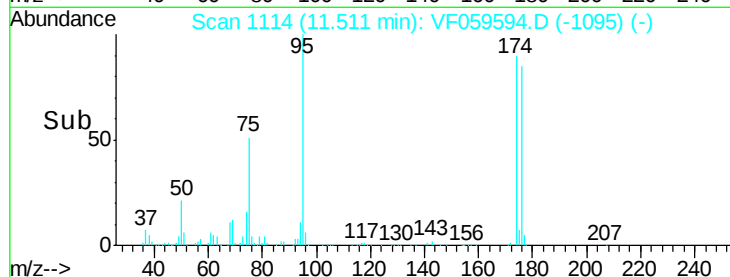
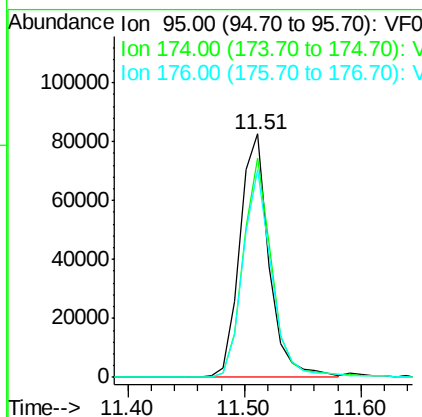
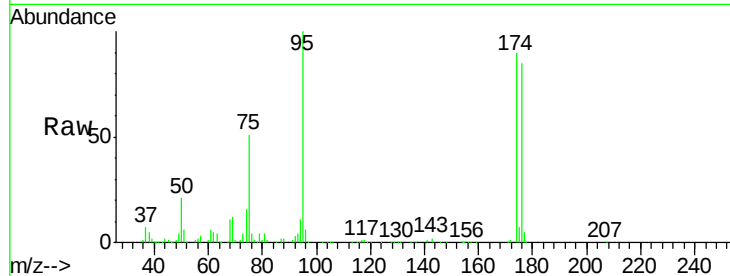




#62
4-Bromofluorobenzene
Concen: 40.601 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

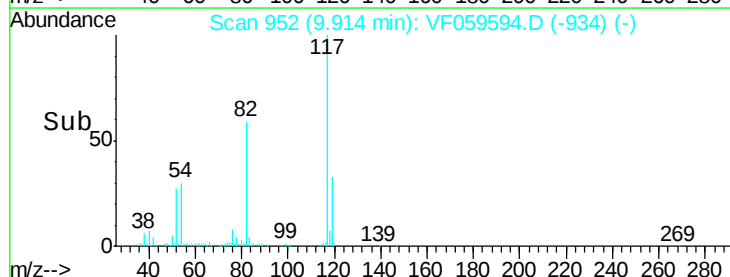
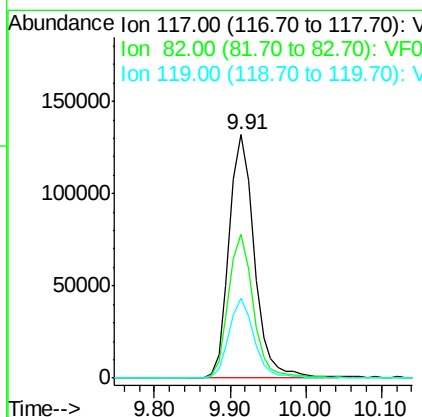
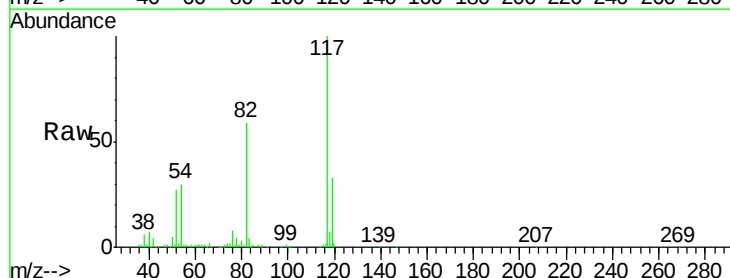
Instrument :
MSVOA_F
ClientSampleId :

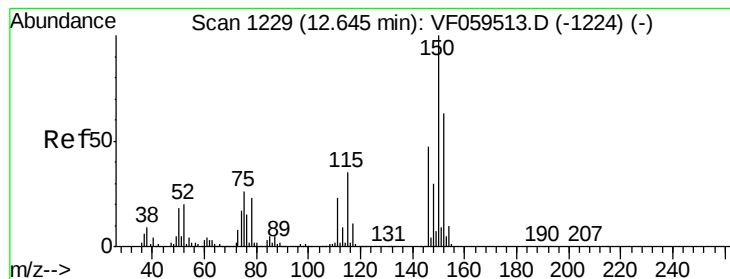
Tot Ion: 95 Resp: 144021
Ion Ratio Lower Upper
95 100
174 89.8 0.0 174.4
176 85.3 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

Tgt Ion: 117 Resp: 306829
Ion Ratio Lower Upper
117 100
82 59.2 46.1 69.1
119 32.9 27.2 40.8



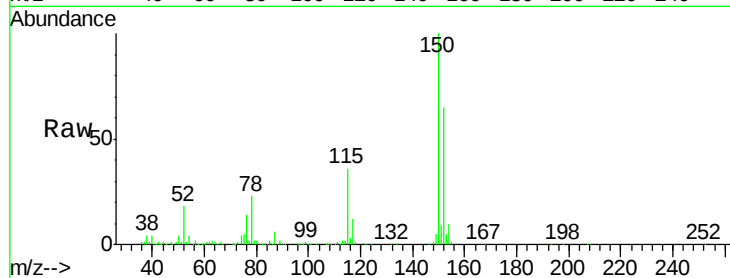


#72

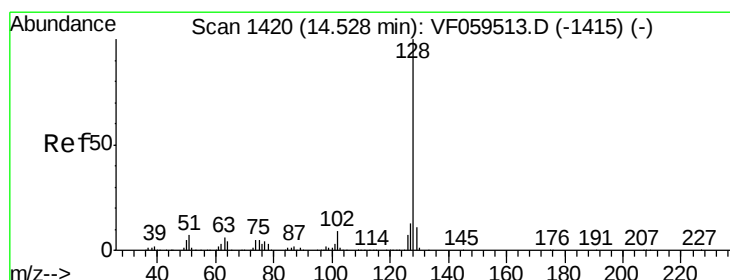
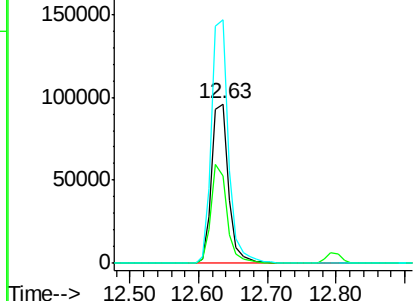
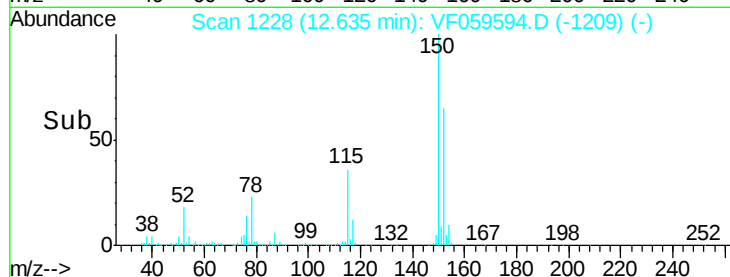
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.3
150	152.7	0.0	318.4



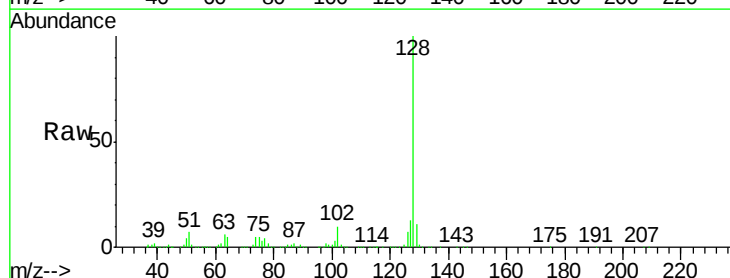
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: 101.386 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	9.0	13.4



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

