

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082218\
 Data File : VF060039.D
 Acq On : 22 Aug 2018 14:50
 Operator : VA/AP
 Sample : J4574-01RE
 Misc : 7.49g/5mL/MSVOA_F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TOD1-SB-03-51-51.5

Quant Time: Aug 23 04:25:44 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

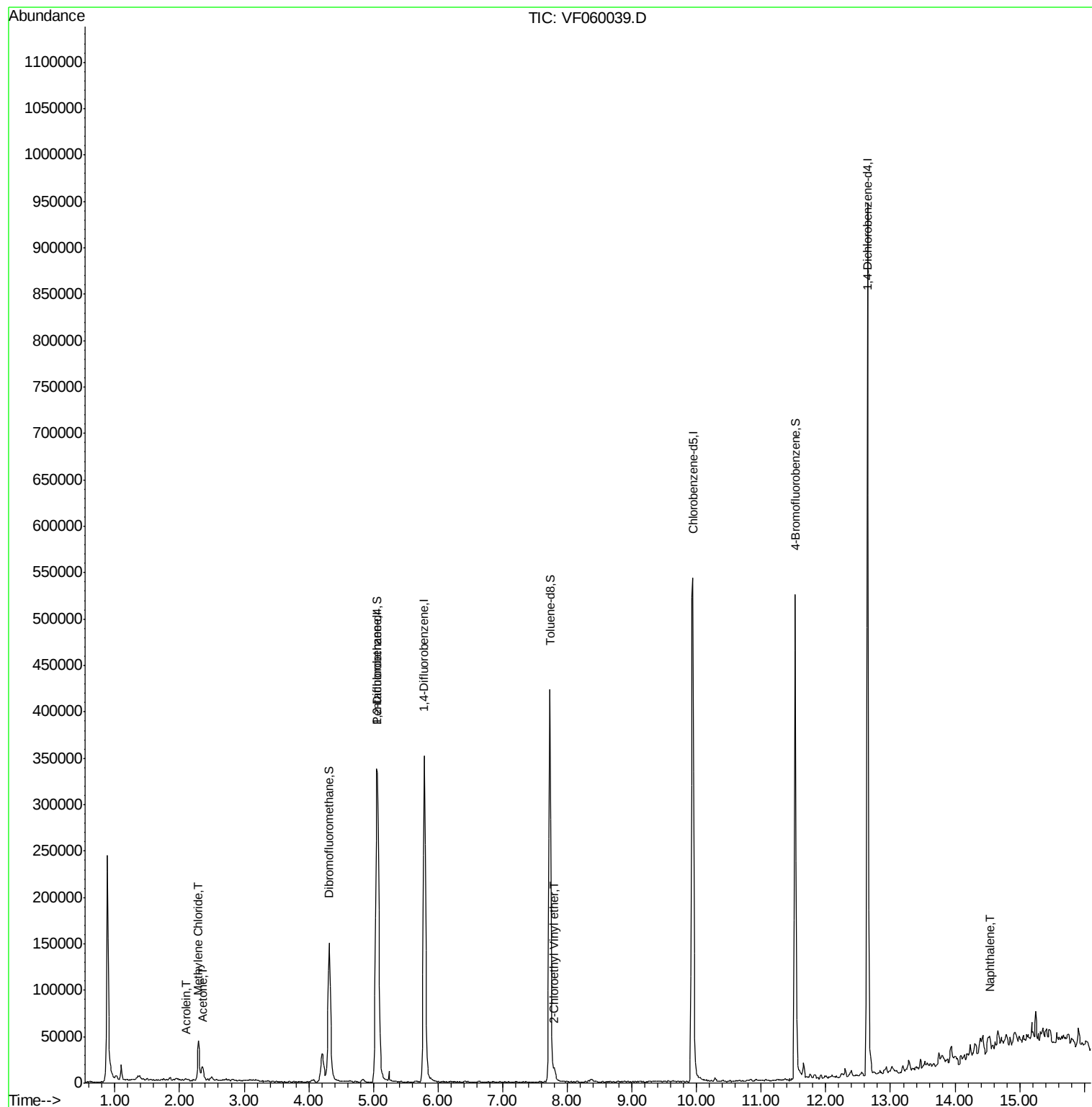
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	252335	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	399536	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	404985	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	235106	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	151268	43.80	ug/l	0.01
Spiked Amount 50.000			Recovery	=	87.60%	
35) Dibromofluoromethane	4.31	113	138996	44.30	ug/l	0.01
Spiked Amount 50.000			Recovery	=	88.60%	
50) Toluene-d8	7.73	98	366993	41.19	ug/l	0.01
Spiked Amount 50.000			Recovery	=	82.38%	
62) 4-Bromofluorobenzene	11.53	95	189925	40.29	ug/l	0.01
Spiked Amount 50.000			Recovery	=	80.58%	
Target Compounds						
3) Chloromethane	1.09	50	1799	Below Cal	#	57
13) Acrolein	2.10	56	72	26.897	ug/l #	30
16) Acetone	2.35	43	19919	21.946	ug/l #	92
18) Methyl Acetate	2.50	43	1952	Below Cal	#	60
20) Methylene Chloride	2.29	84	18119	5.583	ug/l	86
52) Toluene	7.80	92	5139	Below Cal	#	65
58) 2-Chloroethyl Vinyl ether	7.80	63	1314	6.180	ug/l	100
68) m/p-Xylenes	10.30	106	1174	Below Cal	#	71
95) Naphthalene	14.54	128	3738	2.694	ug/l #	89

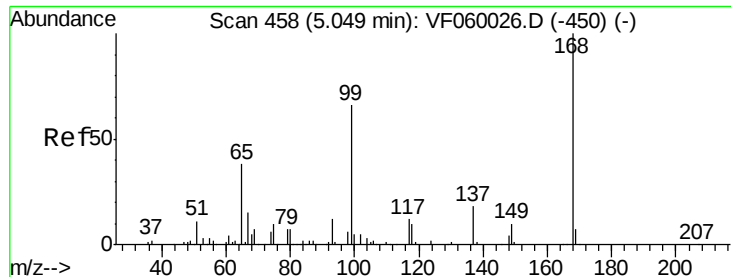
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF060039.D

Acq: 22 Aug 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

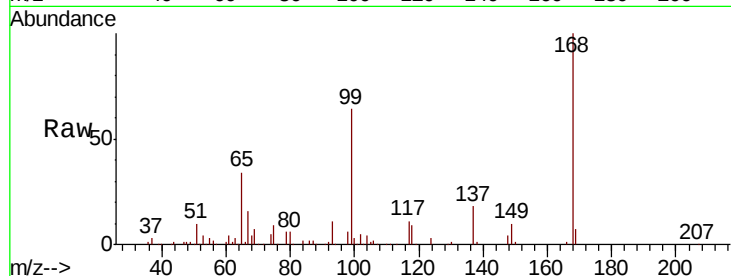
TOD1-SB-03-51-51.5

Tgt Ion:168 Resp: 252335

Ion Ratio Lower Upper

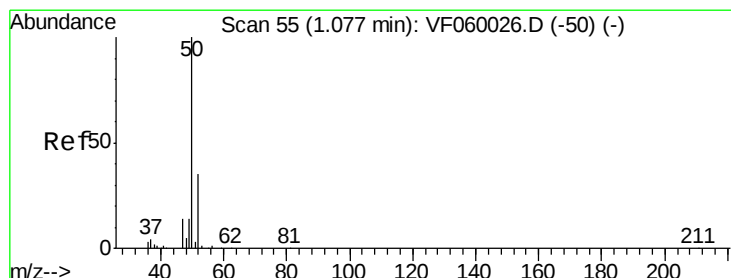
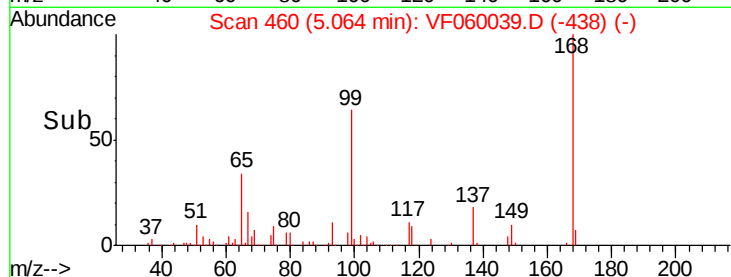
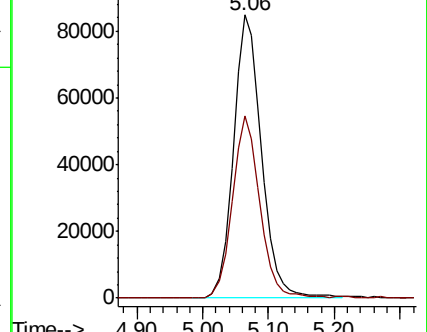
168 100

99 64.3 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF060039.D

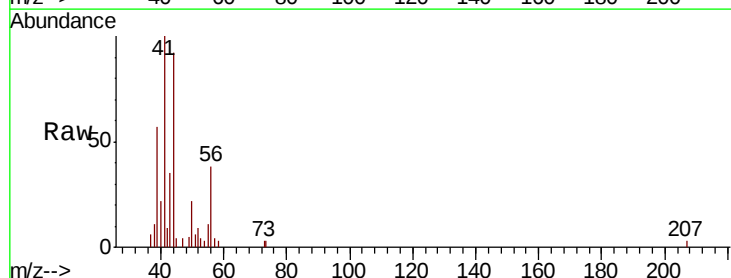
Acq: 22 Aug 2018 14:50

Tgt Ion: 50 Resp: 1799

Ion Ratio Lower Upper

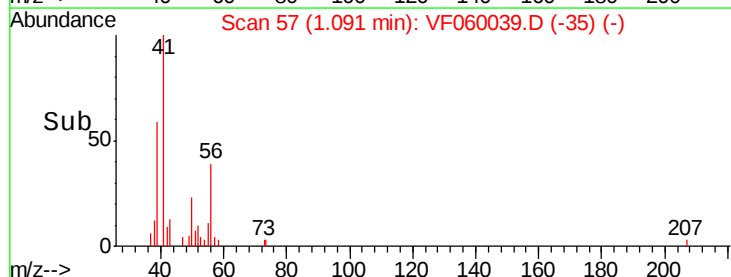
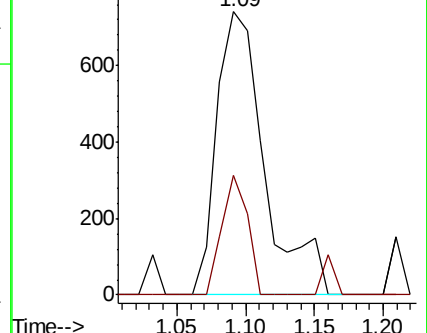
50 100

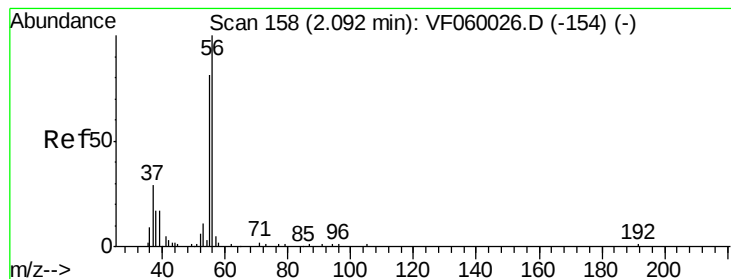
52 59.2 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#13

Acrolein

Concen: 26.897 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF060039.D

Acq: 22 Aug 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

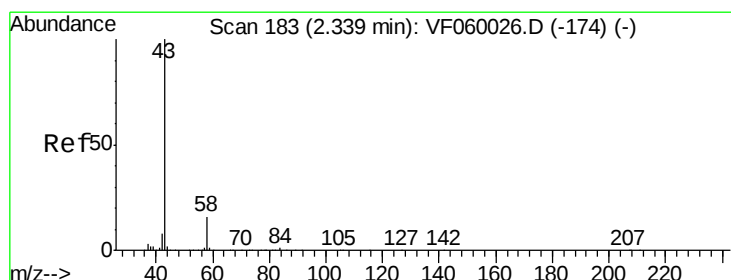
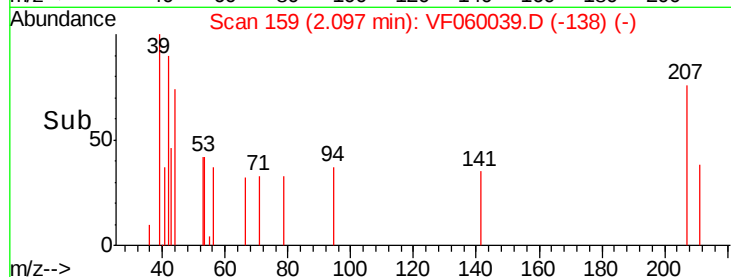
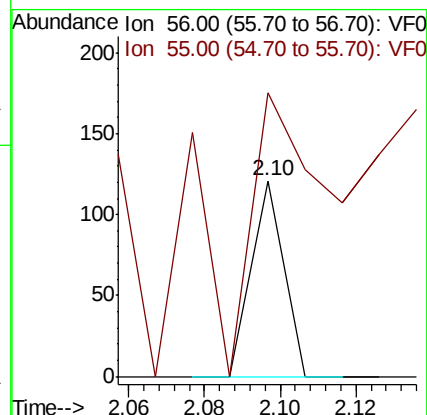
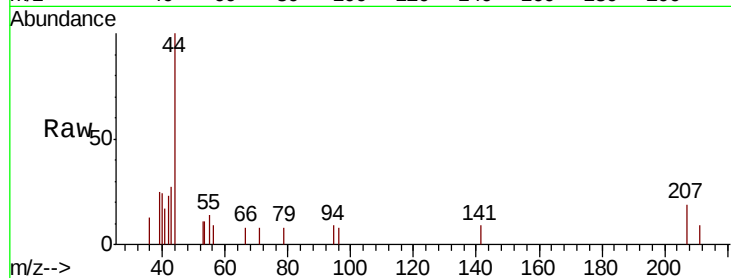
TOD1-SB-03-51-51.5

Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 144.6 65.6 98.4#



#16

Acetone

Concen: 21.946 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF060039.D

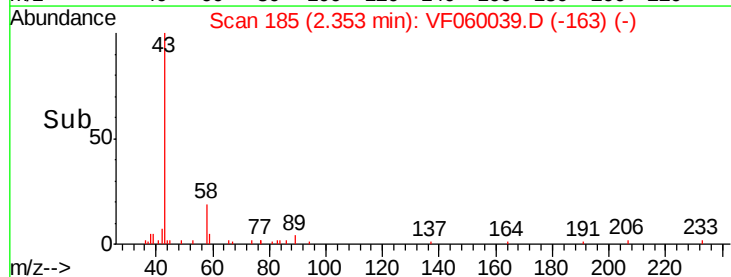
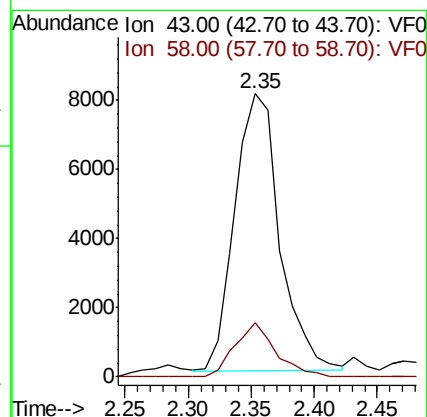
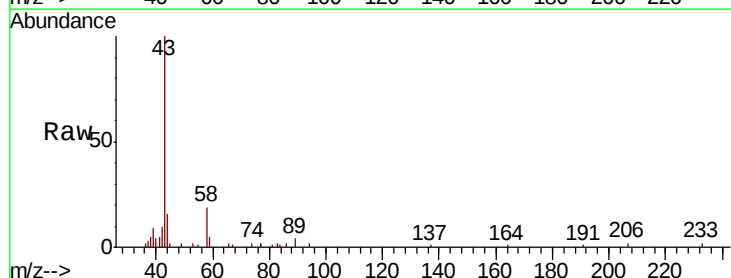
Acq: 22 Aug 2018 14:50

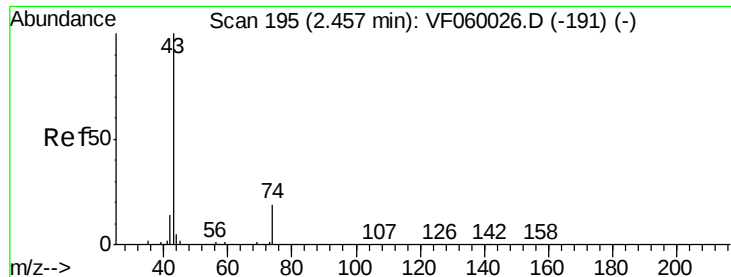
Tgt Ion: 43 Resp: 19919

Ion Ratio Lower Upper

43 100

58 19.0 12.6 19.0#

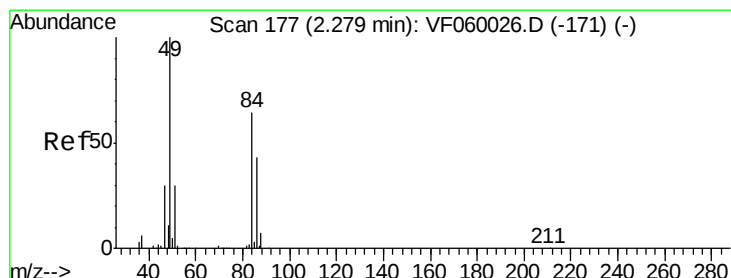
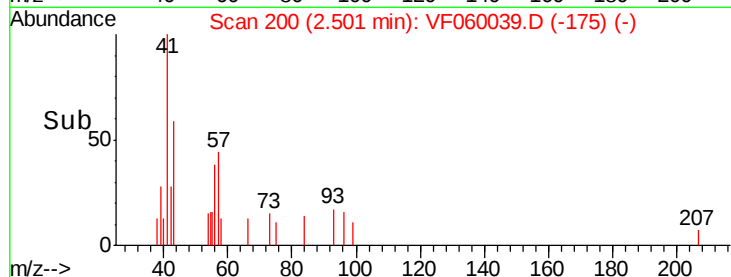
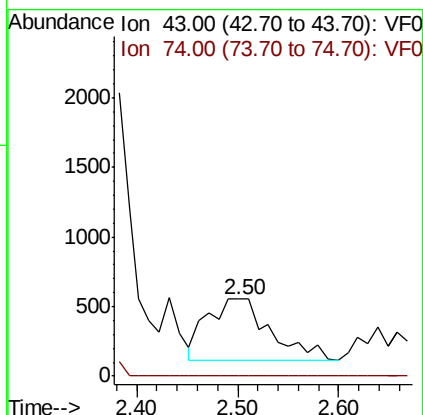
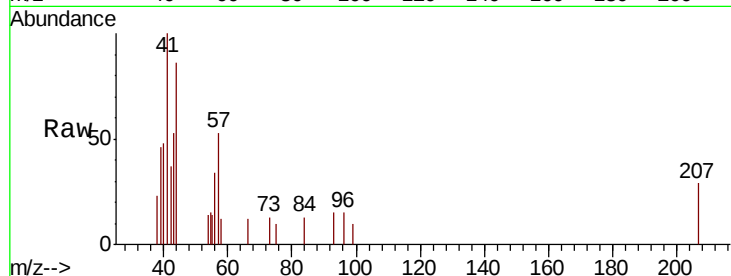




#18
Methyl Acetate
Concen: Below Cal
RT: 2.50 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF060039.D
Acq: 22 Aug 2018 14:50

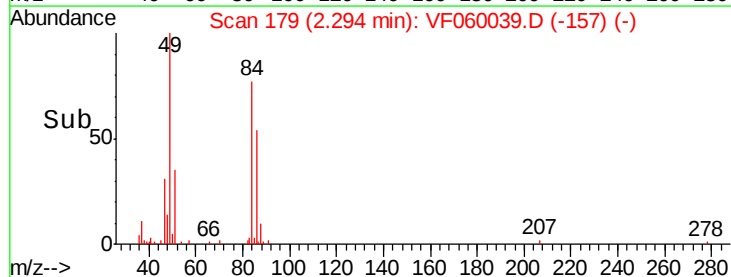
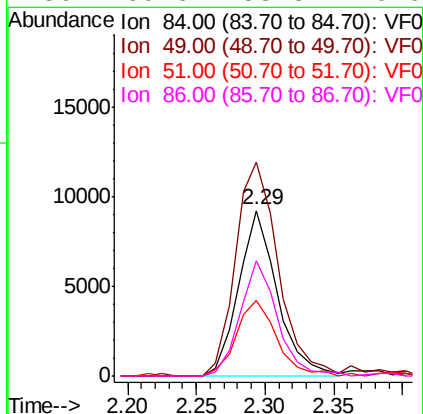
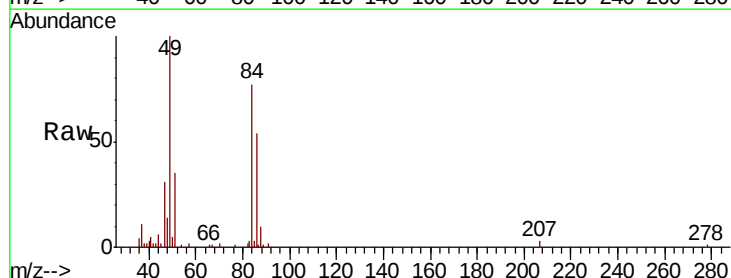
Instrument :
MSVOA_F
ClientSampleId :
TOD1-SB-03-51-51.5

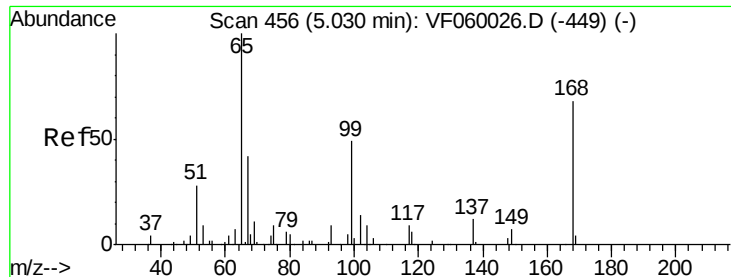
Tgt Ion: 43 Resp: 1952
Ion Ratio Lower Upper
43 100
74 0.0 13.8 20.6#



#20
Methylene Chloride
Concen: 5.583 ug/l
RT: 2.29 min Scan# 179
Delta R.T. 0.01 min
Lab File: VF060039.D
Acq: 22 Aug 2018 14:50

Tgt Ion: 84 Resp: 18119
Ion Ratio Lower Upper
84 100
49 129.1 125.4 188.0
51 45.8 38.3 57.5
86 69.6 53.3 79.9





#33

1,2-Dichloroethane-d4

Concen: 43.801 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF060039.D

Acq: 22 Aug 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

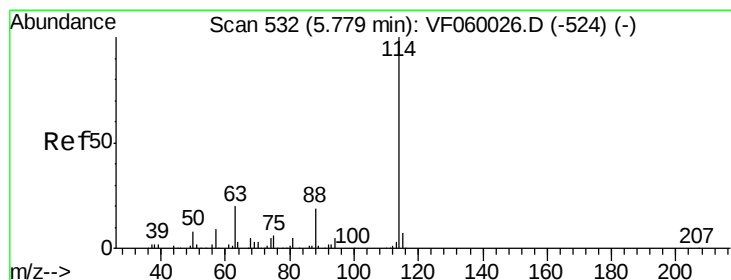
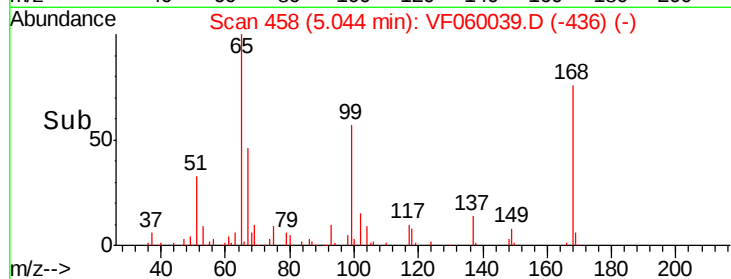
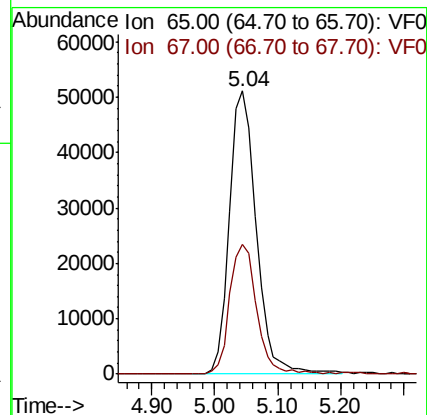
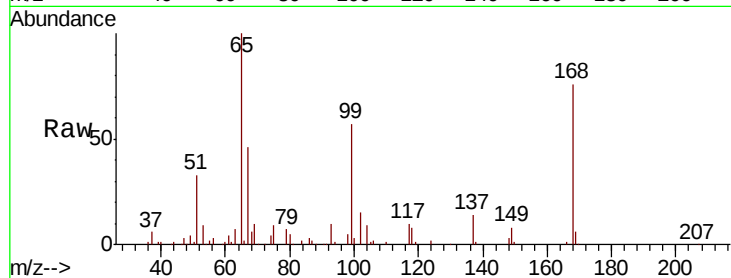
TOD1-SB-03-51-51.5

Tgt Ion: 65 Resp: 151268

Ion Ratio Lower Upper

65 100

67 46.1 0.0 92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF060039.D

Acq: 22 Aug 2018 14:50

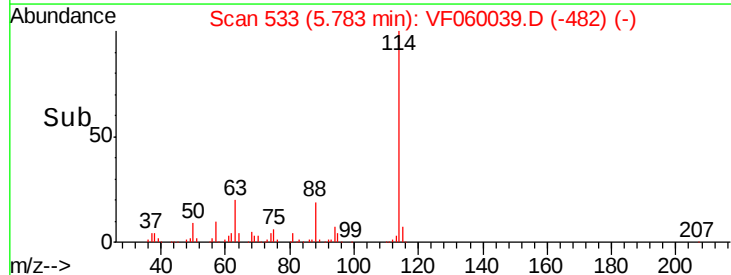
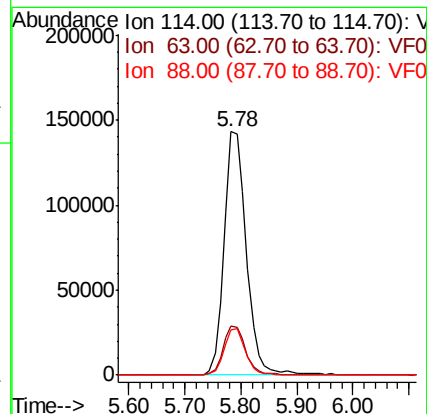
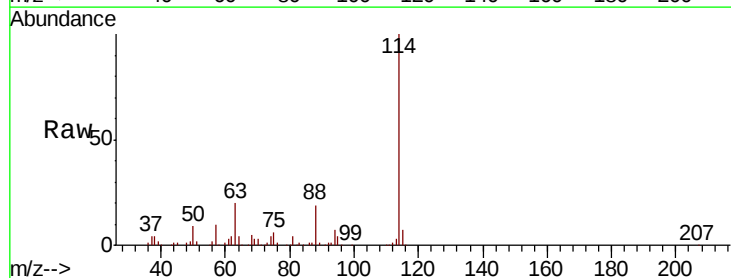
Tgt Ion: 114 Resp: 399536

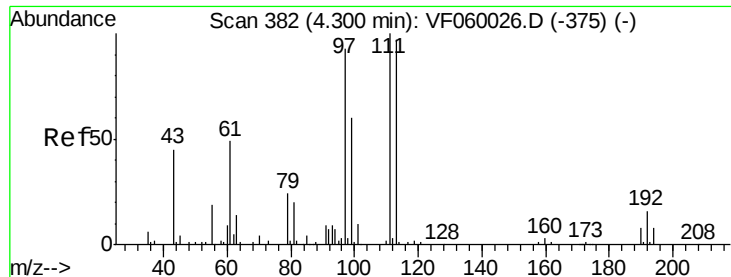
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.4

88 18.5 0.0 38.6

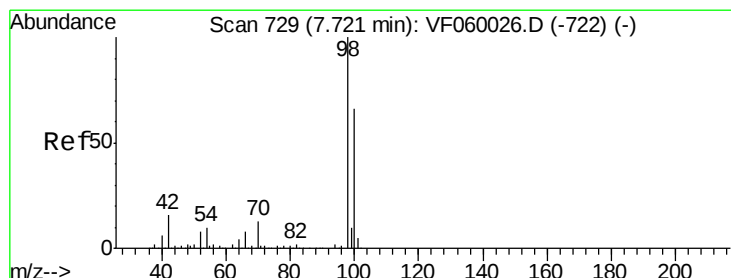
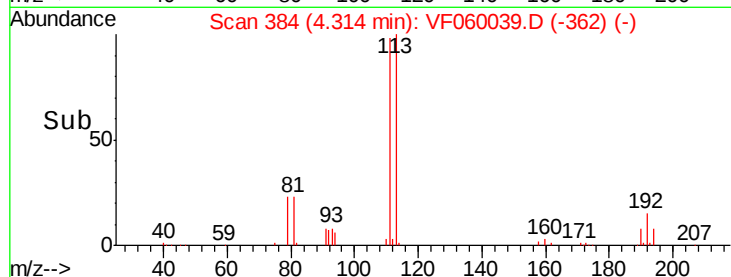
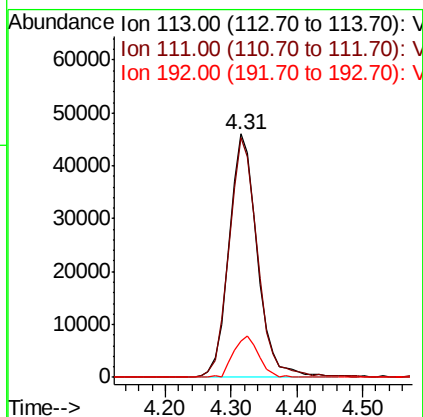
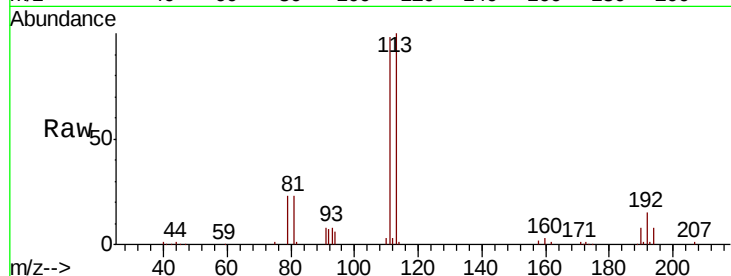




#35
 Dibromofluoromethane
 Concen: 44.303 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF060039.D
 Acq: 22 Aug 2018 14:50

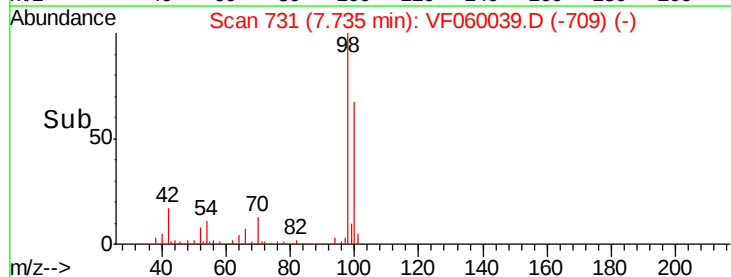
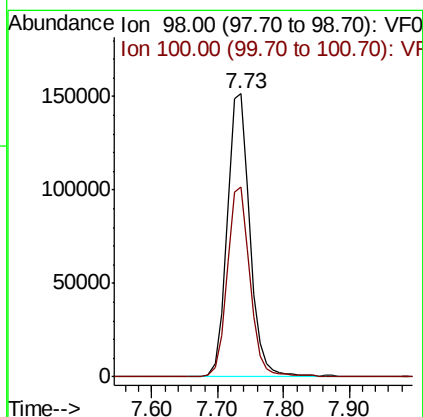
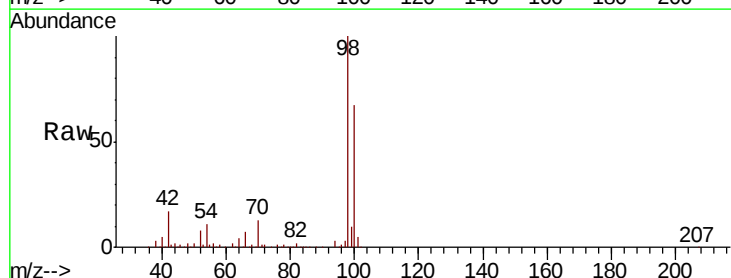
Instrument :
 MSVOA_F
 ClientSampleId :
 TOD1-SB-03-51-51.5

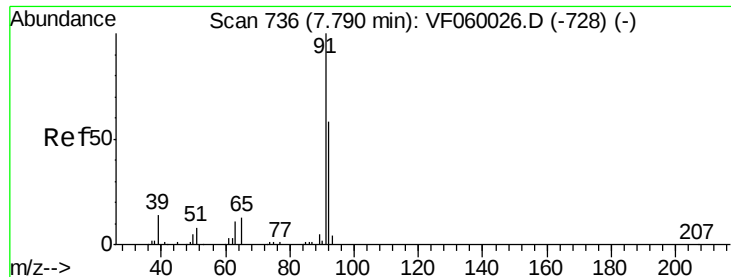
Tgt Ion: 113 Resp: 138996
 Ion Ratio Lower Upper
 113 100
 111 98.4 82.7 124.1
 192 15.1 13.0 19.4



#50
 Toluene-d8
 Concen: 41.188 ug/l
 RT: 7.73 min Scan# 731
 Delta R.T. 0.01 min
 Lab File: VF060039.D
 Acq: 22 Aug 2018 14:50

Tgt Ion: 98 Resp: 366993
 Ion Ratio Lower Upper
 98 100
 100 67.1 53.2 79.8





#52

Toluene

Concen: Below Cal

RT: 7.80 min Scan# 738

Delta R.T. 0.01 min

Lab File: VF060039.D

Acq: 22 Aug 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

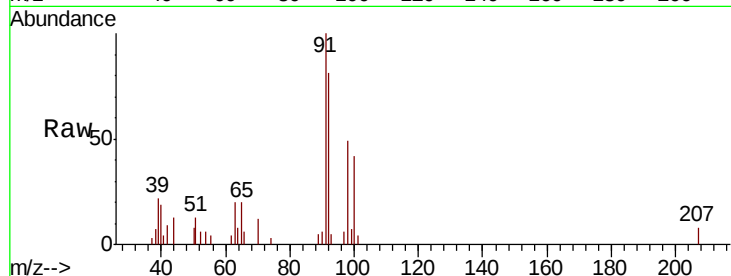
TOD1-SB-03-51-51.5

Tgt Ion: 92 Resp: 5139

Ion Ratio Lower Upper

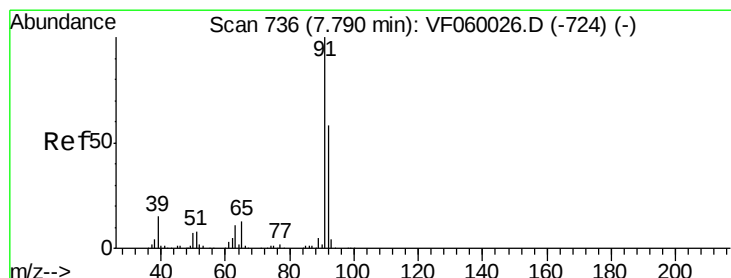
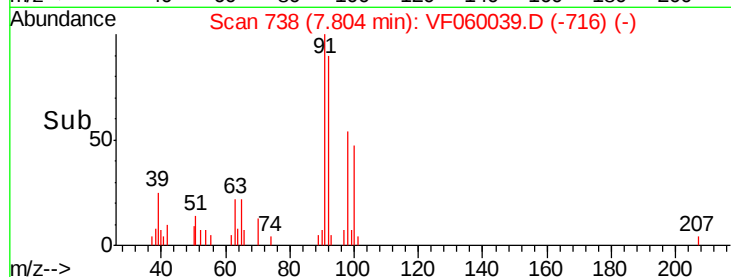
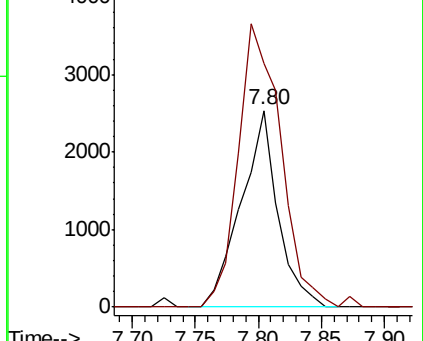
92 100

91 123.8 137.7 206.5#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 6.180 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.01 min

Lab File: VF060039.D

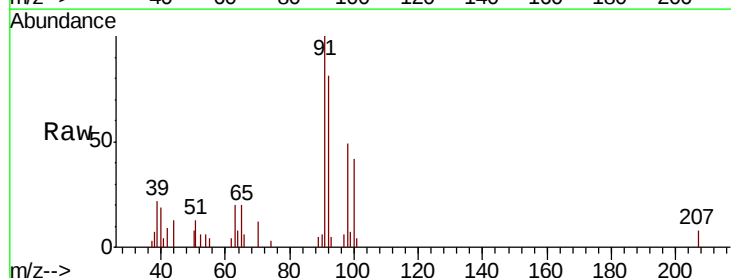
Acq: 22 Aug 2018 14:50

Tgt Ion: 63 Resp: 1314

Ion Ratio Lower Upper

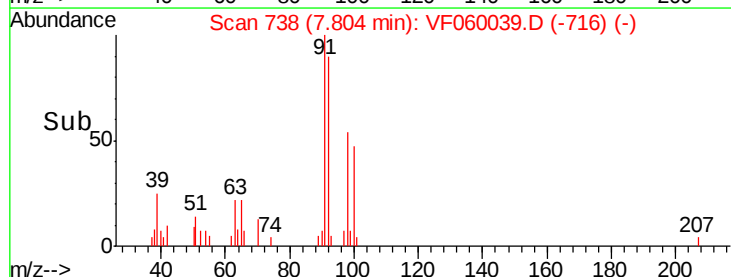
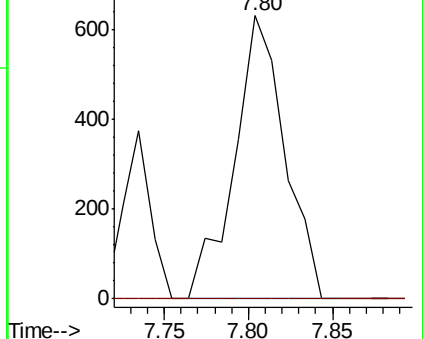
63 100

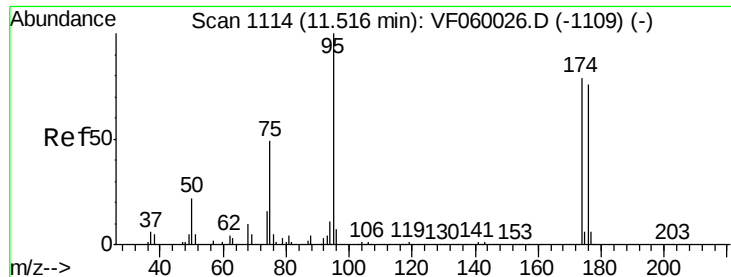
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

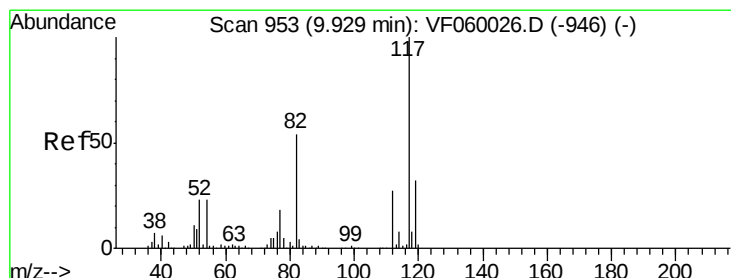
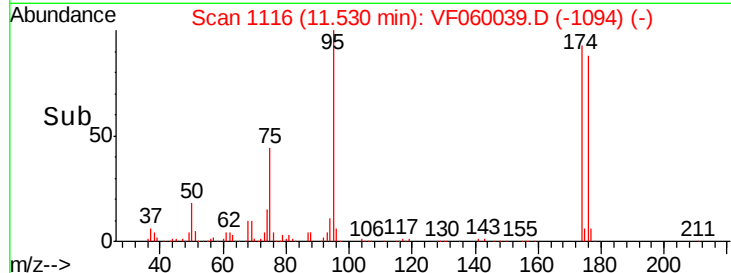
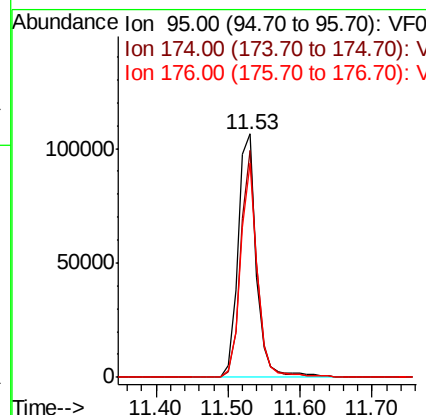
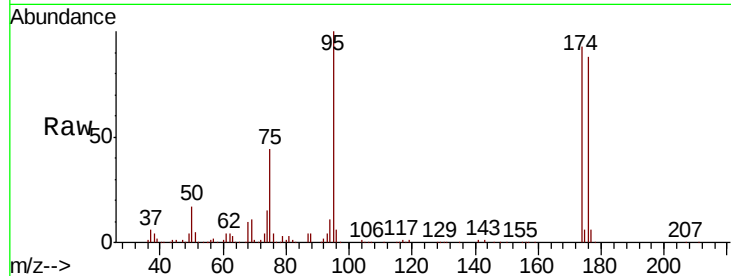




#62
4-Bromofluorobenzene
Concen: 40.294 ug/l
RT: 11.53 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VF060039.D
Acq: 22 Aug 2018 14:50

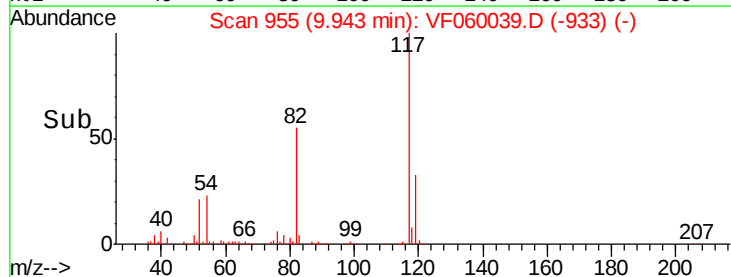
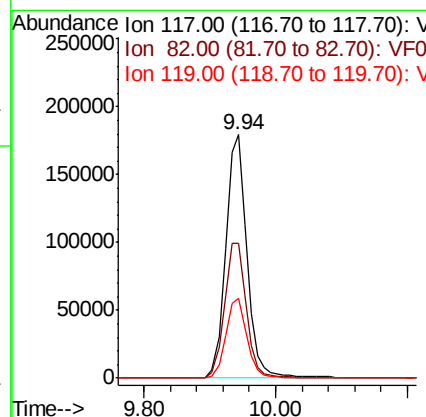
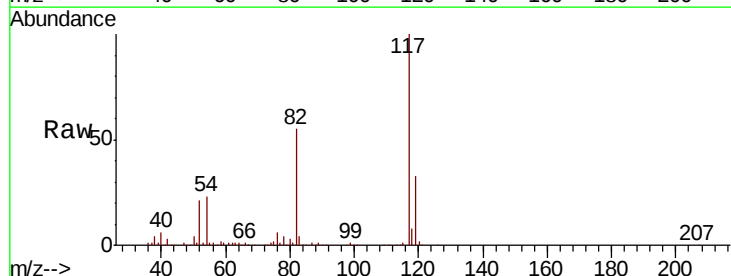
Instrument :
MSVOA_F
ClientSampleId :
TOD1-SB-03-51-51.5

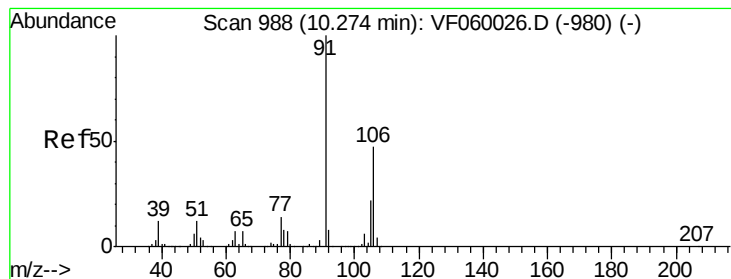
Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	158.4
176	87.8	0.0	153.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF060039.D
Acq: 22 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.6	65.4
119	32.6	25.6	38.4





#68

m/p-Xylenes

Concen: Below Cal

RT: 10.30 min Scan# 991

Delta R.T. 0.02 min

Lab File: VF060039.D

Acq: 22 Aug 2018 14:50

Instrument :

MSVOA_F

ClientSampleId :

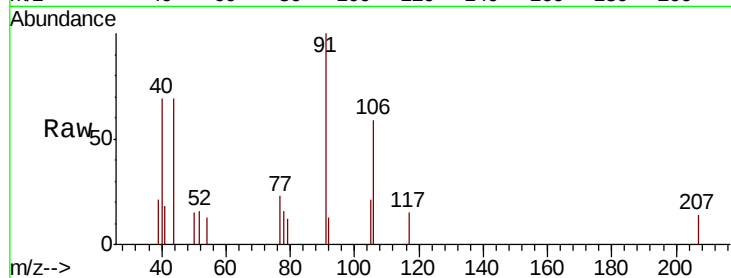
TOD1-SB-03-51-51.5

Tgt Ion:106 Resp: 1174

Ion Ratio Lower Upper

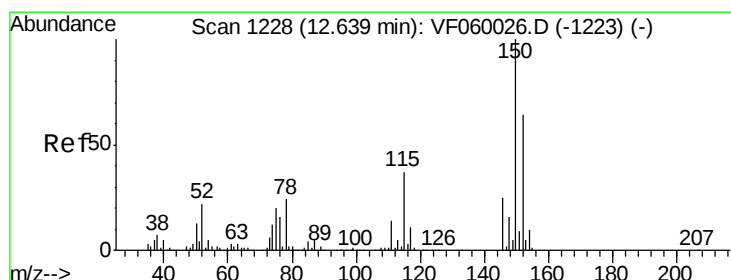
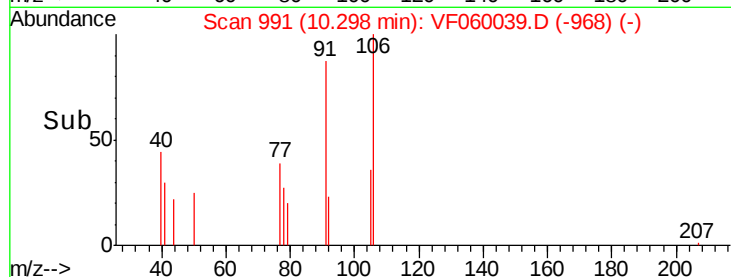
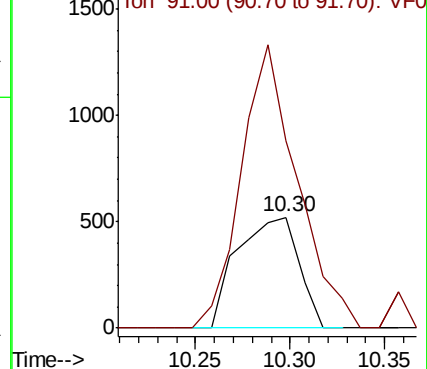
106 100

91 169.0 171.8 257.8#



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: 50.000 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF060039.D

Acq: 22 Aug 2018 14:50

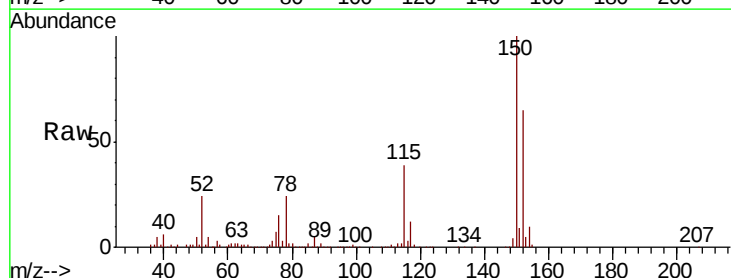
Tgt Ion:152 Resp: 235106

Ion Ratio Lower Upper

152 100

115 59.9 28.6 85.9

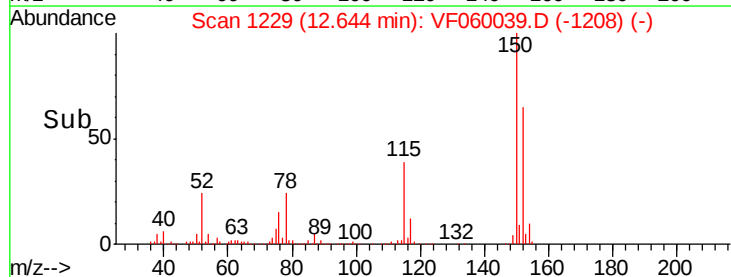
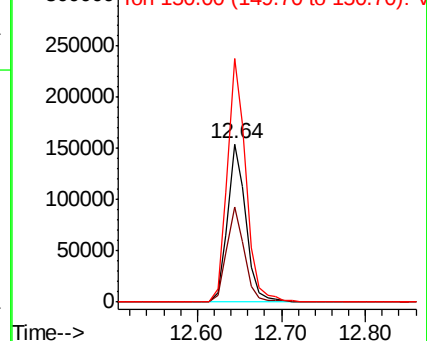
150 153.7 0.0 312.0

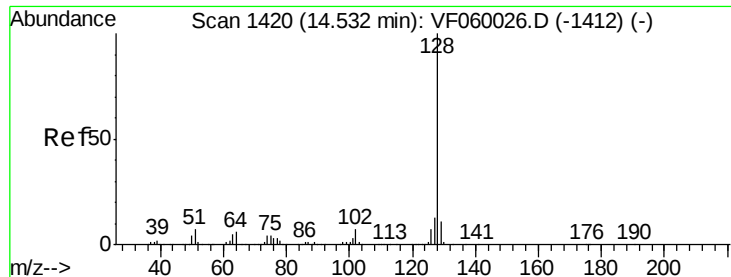


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#95
 Naphthalene
 Concen: 2.694 ug/l
 RT: 14.54 min Scan# 1421
 Delta R.T. 0.01 min
 Lab File: VF060039.D
 Acq: 22 Aug 2018 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 TOD1-SB-03-51-51.5

Tgt Ion:128 Resp: 3738
 Ion Ratio Lower Upper
 128 100
 127 18.9 10.4 15.6#
 129 13.3 8.5 12.7#

