

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\
 Data File : VF060124.D
 Acq On : 27 Aug 2018 14:51
 Operator : VA/AP
 Sample : J4646-06
 Misc : 5.64g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 27 15:22:04 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	162036	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	228633	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	215154	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	114348	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	71170	32.09	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	64.18%	
35) Dibromofluoromethane	4.27	113	74489	41.49	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	82.98%	
50) Toluene-d8	7.70	98	213171	41.81	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	83.62%	
62) 4-Bromofluorobenzene	11.51	95	92456	34.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	68.56%	

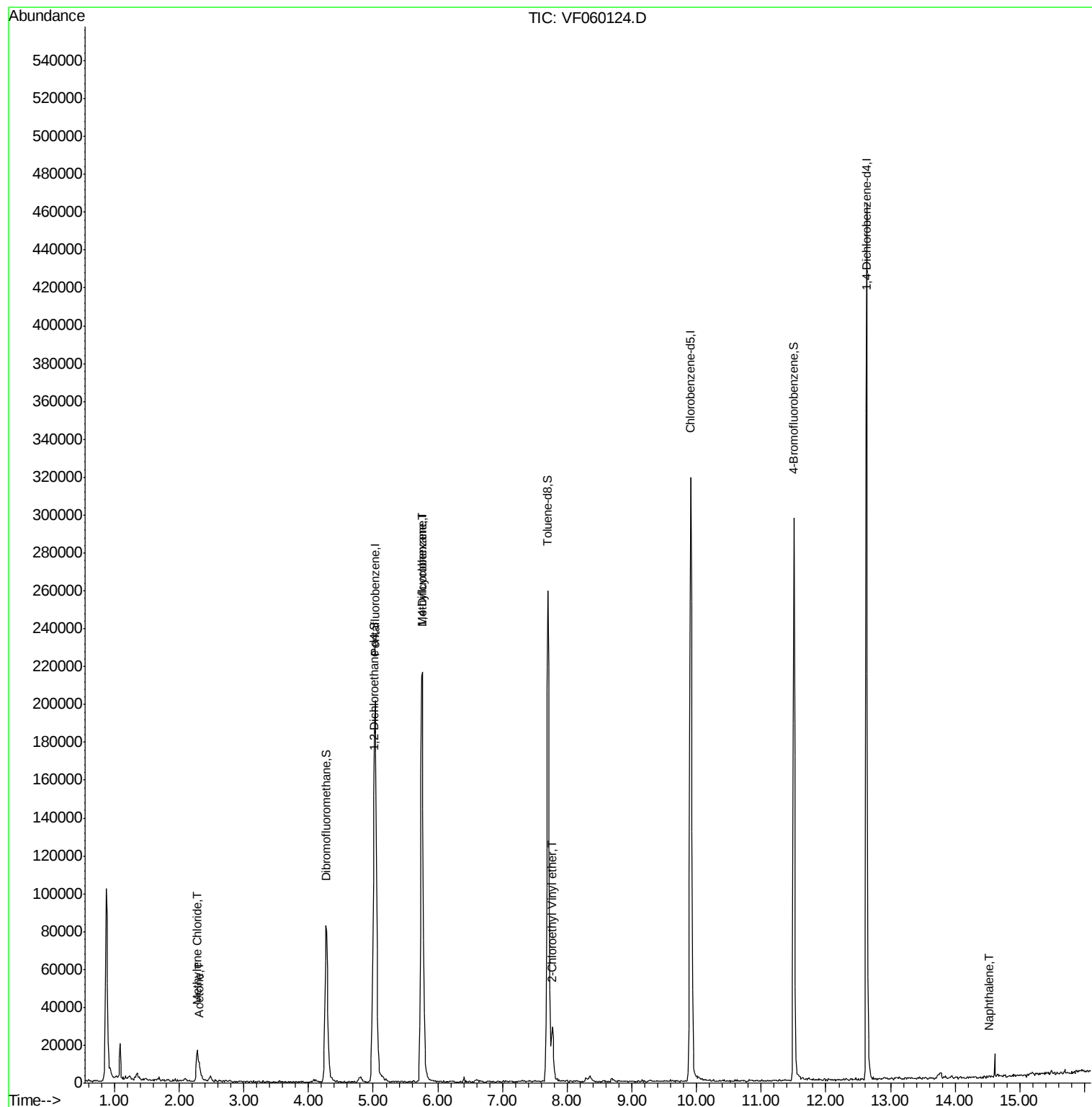
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	749	Below Cal	#	82
16) Acetone	2.32	43	4841	8.306	ug/l	94
18) Methyl Acetate	2.47	43	932	Below Cal	#	60
20) Methylene Chloride	2.28	84	10813	4.785	ug/l	75
39) Methylcyclohexane	5.75	83	3673	1.823	ug/l	45
52) Toluene	7.77	92	12518	Below Cal		99
58) 2-Chloroethyl Vinyl ether	7.77	63	2477	20.357	ug/l	100
68) m/p-Xylenes	10.26	106	142	Below Cal		85
95) Naphthalene	14.52	128	411	2.378	ug/l	69

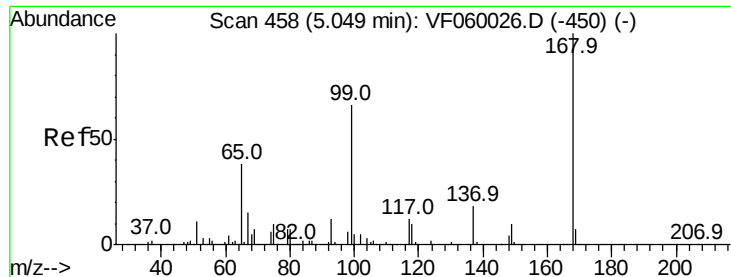
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082718\
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MSVOA_F
ClientSampleId :

Quant Time: Aug 27 15:22:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
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: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF060124.D

Acq: 27 Aug 2018 14:51

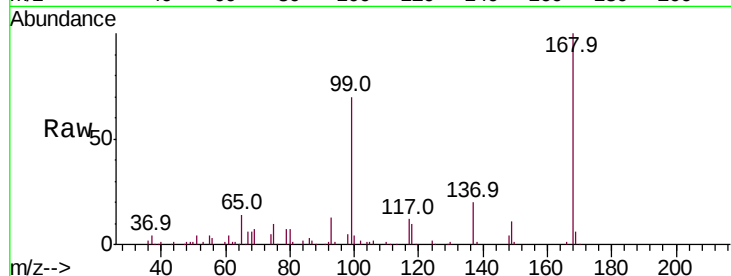
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 162036

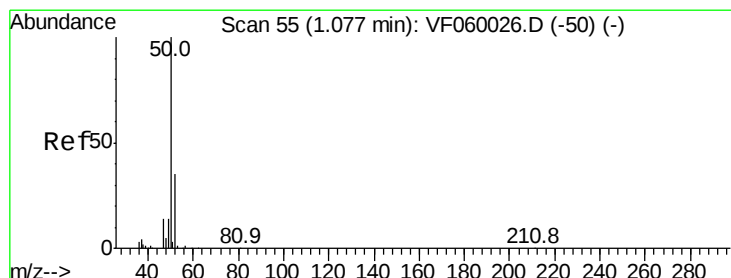
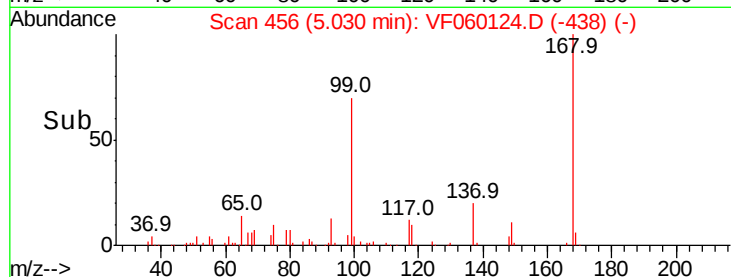
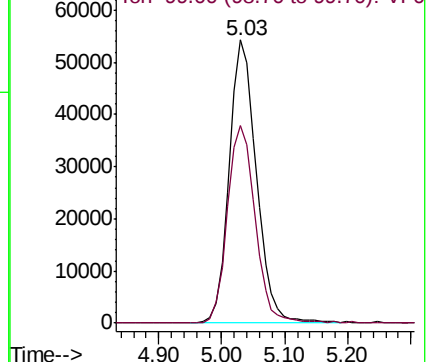
Ion Ratio Lower Upper

168 100

99 69.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF060124.D

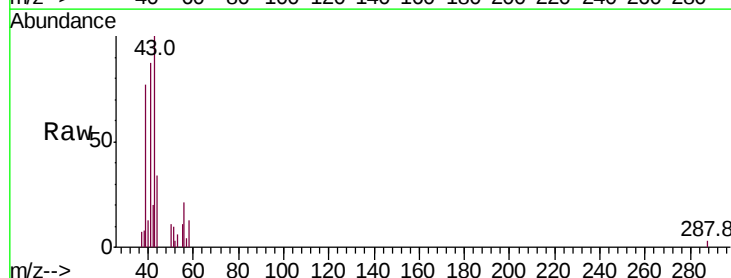
Acq: 27 Aug 2018 14:51

Tgt Ion: 50 Resp: 749

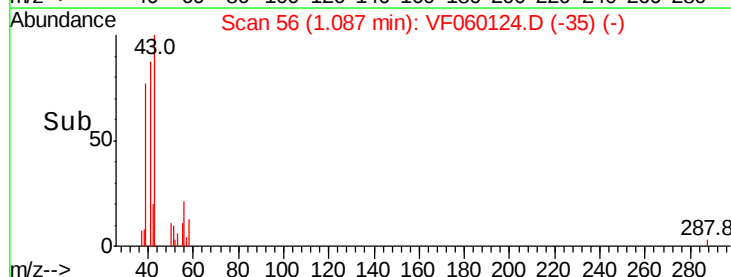
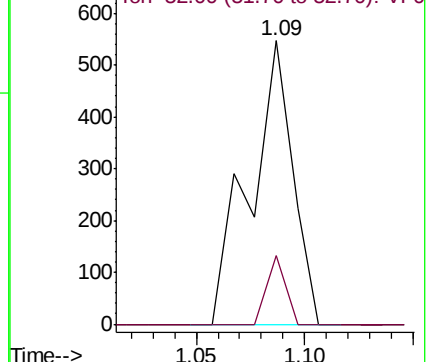
Ion Ratio Lower Upper

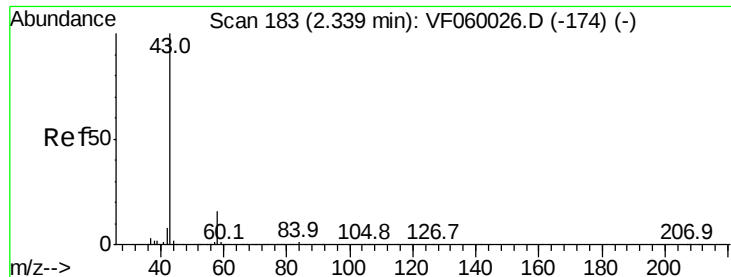
50 100

52 24.3 27.6 41.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#16

Acetone

Concen: 8.306 ug/l

RT: 2.32 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF060124.D

Acq: 27 Aug 2018 14:51

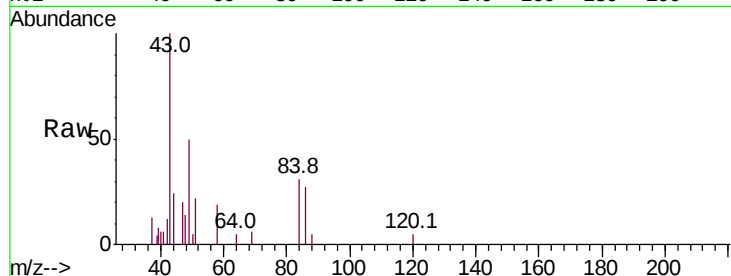
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 4841

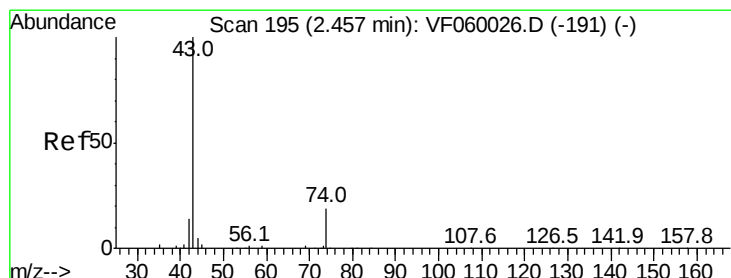
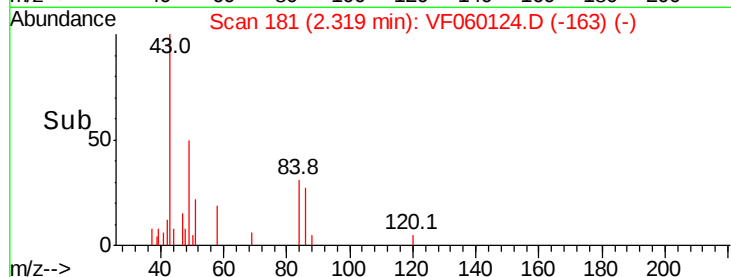
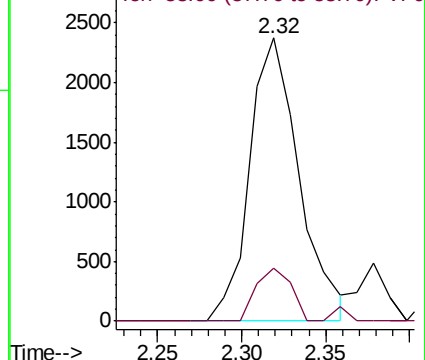
Ion Ratio Lower Upper

43 100

58 18.5 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: 2.47 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF060124.D

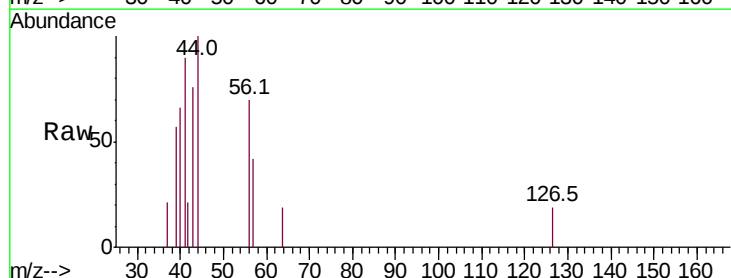
Acq: 27 Aug 2018 14:51

Tgt Ion: 43 Resp: 932

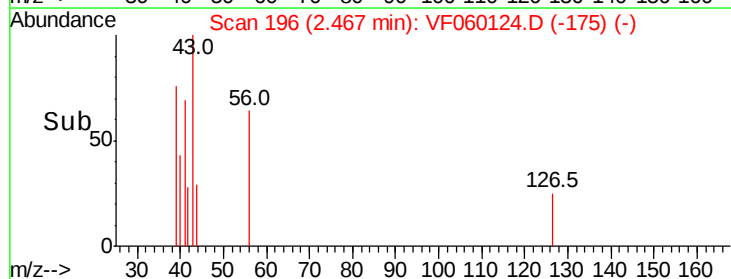
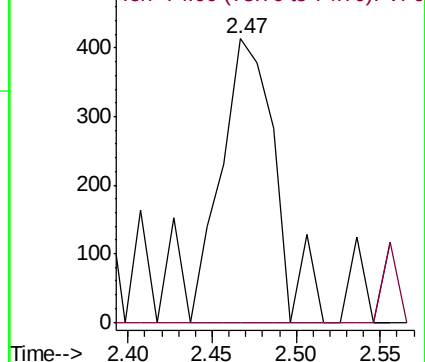
Ion Ratio Lower Upper

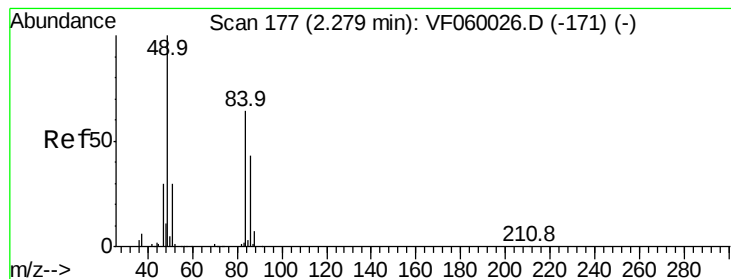
43 100

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





#20

Methvlene Chloride

Concen: 4.785 ug/l

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

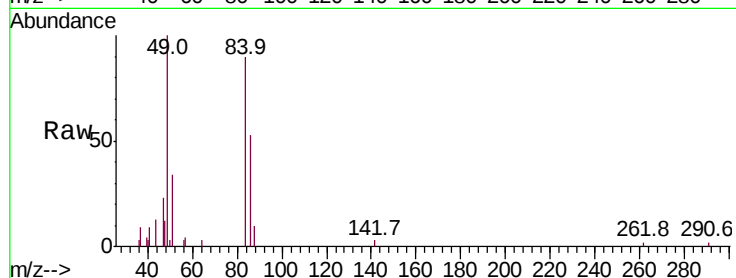
Lab File: VF060124.D

Acq: 27 Aug 2018 14:51

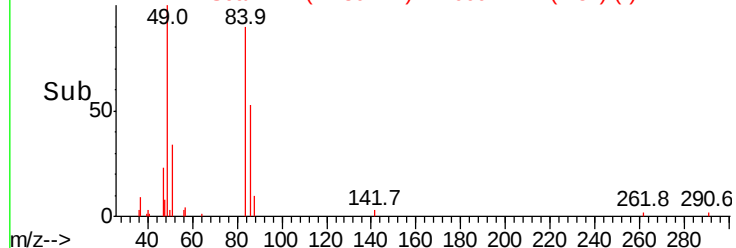
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 84 Resp: 10813

Ion	Ratio	Lower	Upper
84	100		
49	111.5	125.4	188.0#
51	37.7	38.3	57.5#
86	59.0	53.3	79.9



Scan 177 (2.280 min): VF060124.D (-157) (-)

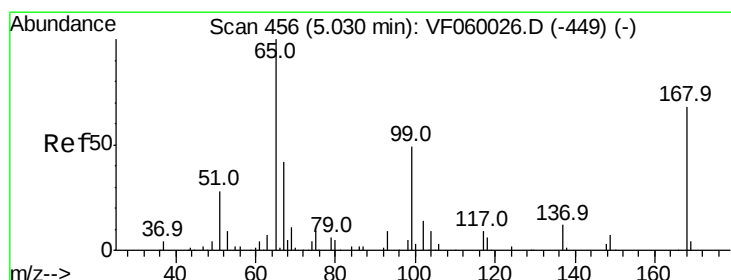
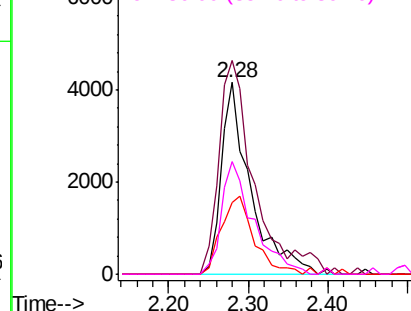


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 32.092 ug/l

RT: 5.00 min Scan# 453

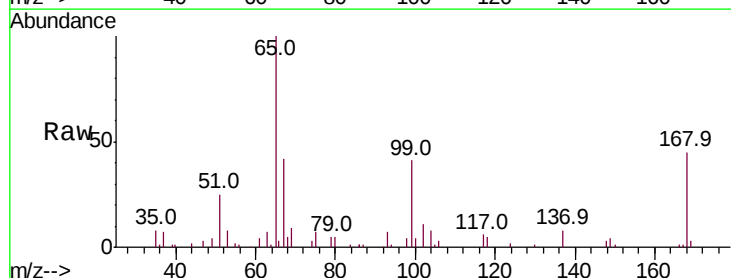
Delta R.T. -0.03 min

Lab File: VF060124.D

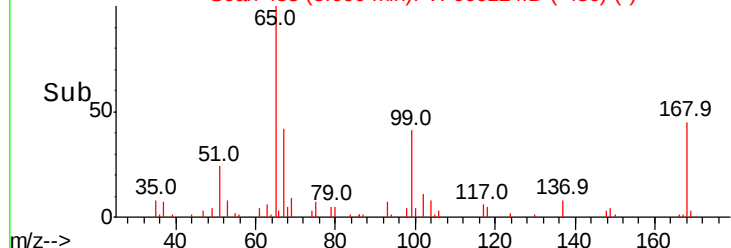
Acq: 27 Aug 2018 14:51

Tgt Ion: 65 Resp: 71170

Ion	Ratio	Lower	Upper
65	100		
67	41.6	0.0	92.0

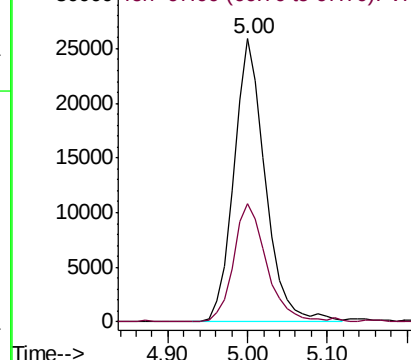


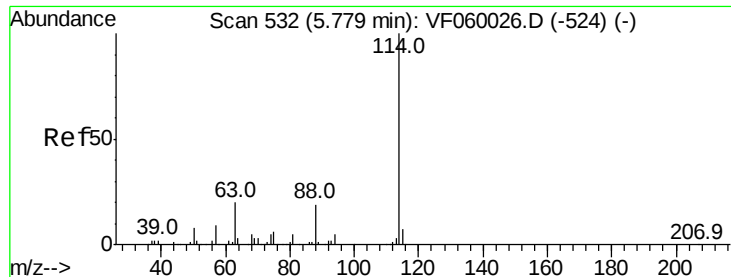
Scan 453 (5.000 min): VF060124.D (-436) (-)



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060124.D

Acq: 27 Aug 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

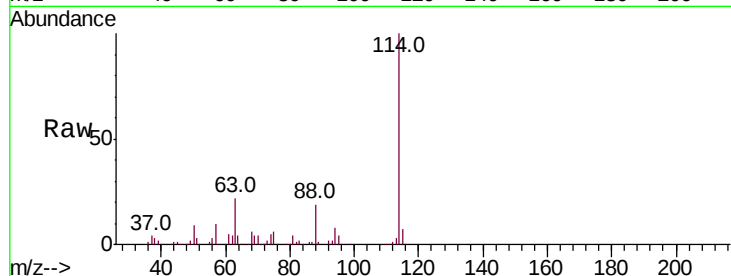
Tot Ion:114 Resp: 228633

Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.4

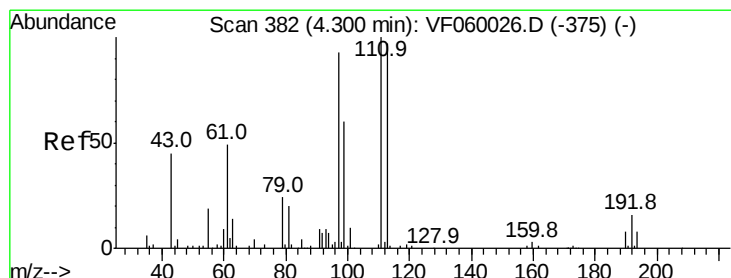
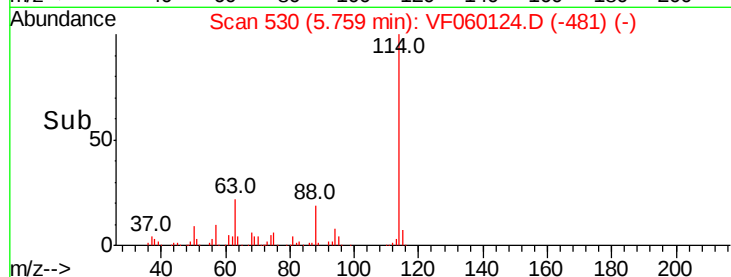
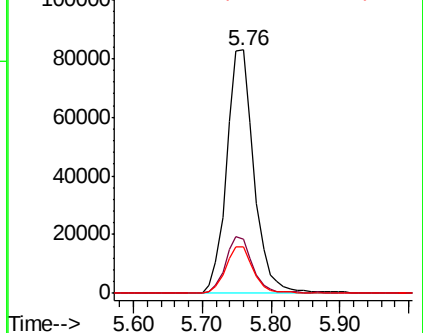
88 18.9 0.0 38.6



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: 41.490 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.03 min

Lab File: VF060124.D

Acq: 27 Aug 2018 14:51

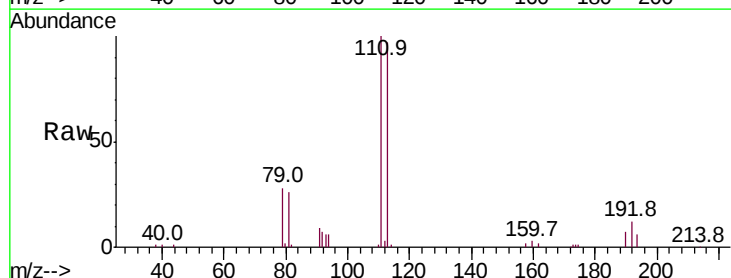
Tgt Ion:113 Resp: 74489

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

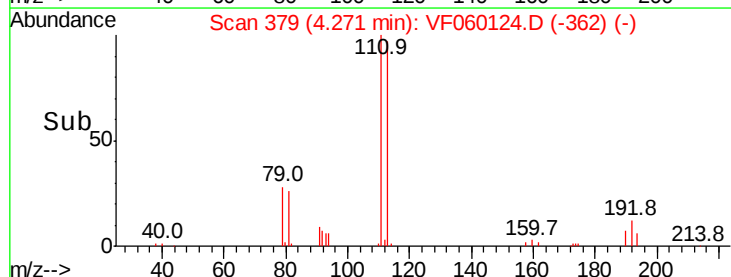
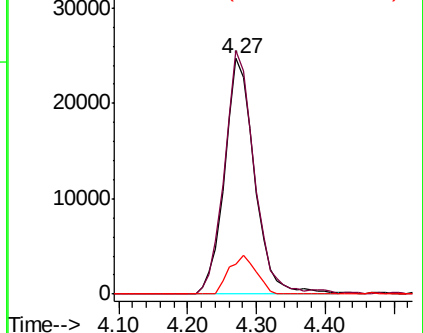
192 12.4 13.0 19.4#

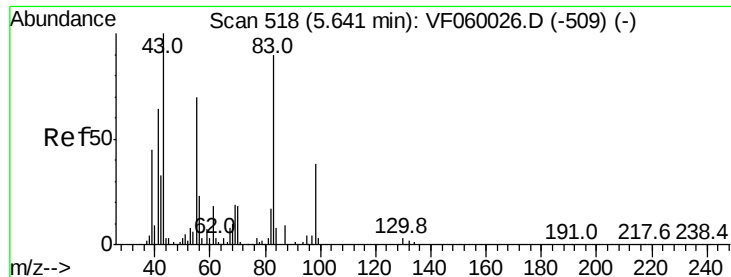


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#39

Methylcyclohexane

Concen: 1.823 ug/l

RT: 5.75 min Scan# 529

Delta R.T. 0.11 min

Lab File: VF060124.D

Acq: 27 Aug 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :

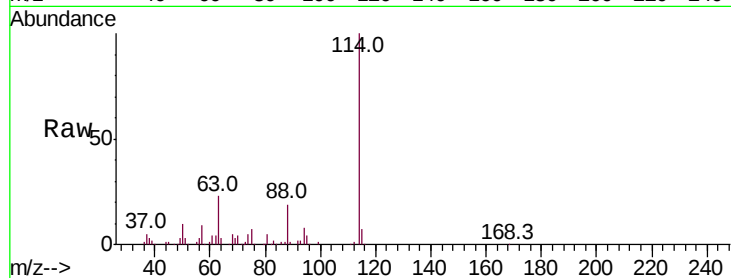
Tot Ion: 83 Resp: 3673

Ion Ratio Lower Upper

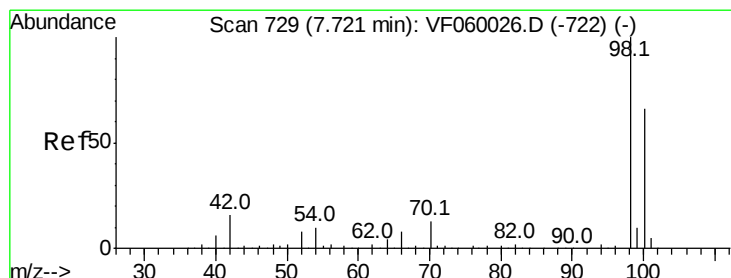
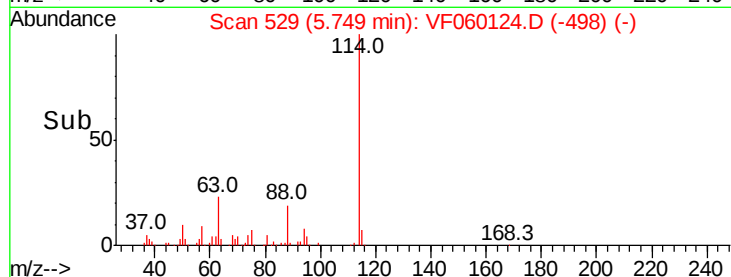
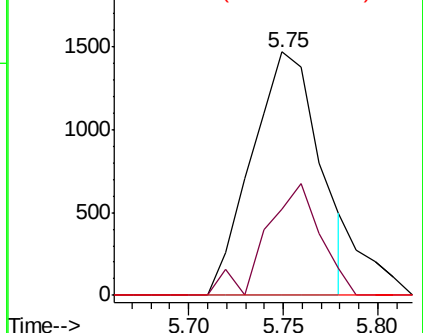
83 100

55 35.3 62.7 94.1#

98 0.0 33.8 50.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#50

Toluene-d8

Concen: 41.808 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF060124.D

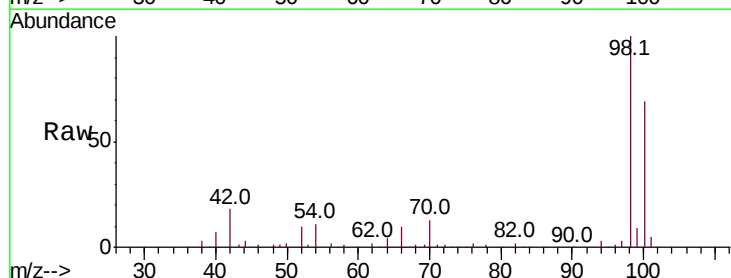
Acq: 27 Aug 2018 14:51

Tgt Ion: 98 Resp: 213171

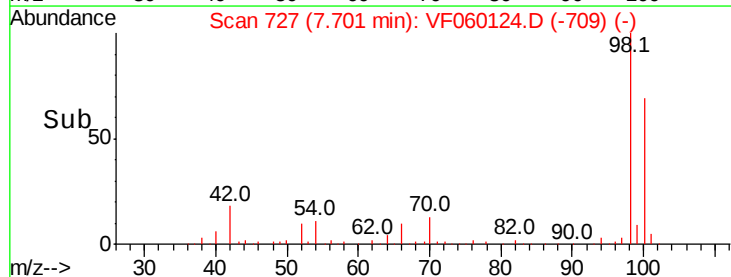
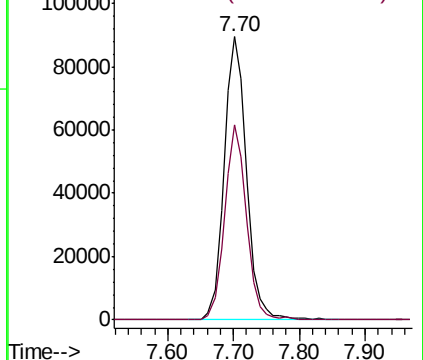
Ion Ratio Lower Upper

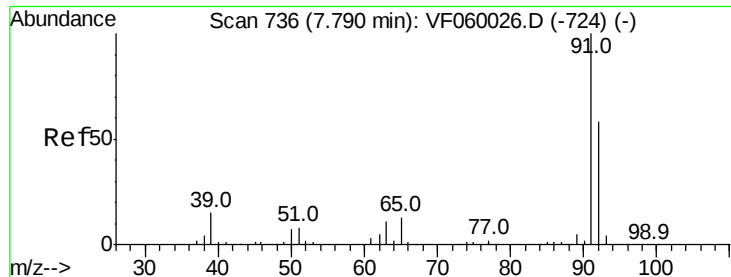
98 100

100 68.8 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

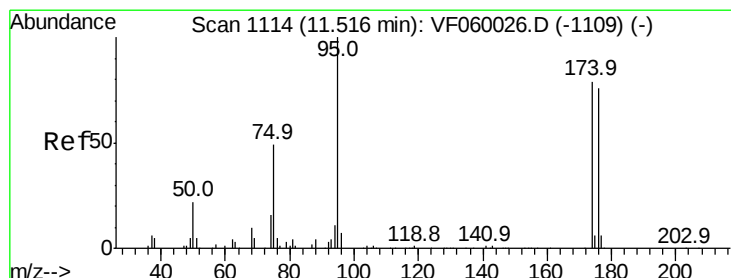
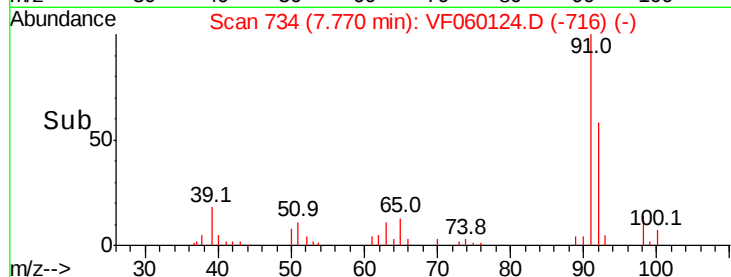
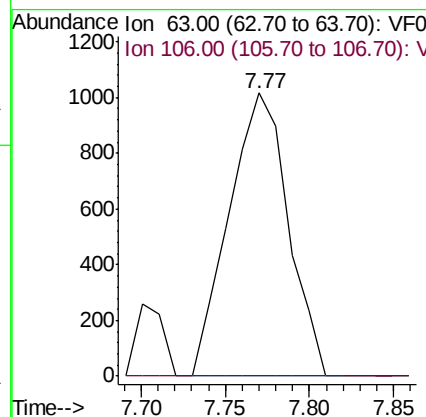
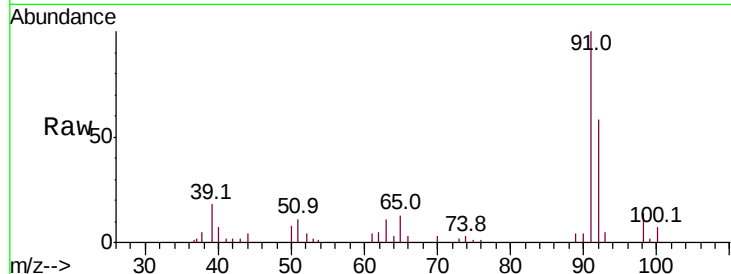




#58
 2-Chloroethyl Vinyl ether
 Concen: 20.357 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: VF060124.D
 Acq: 27 Aug 2018 14:51

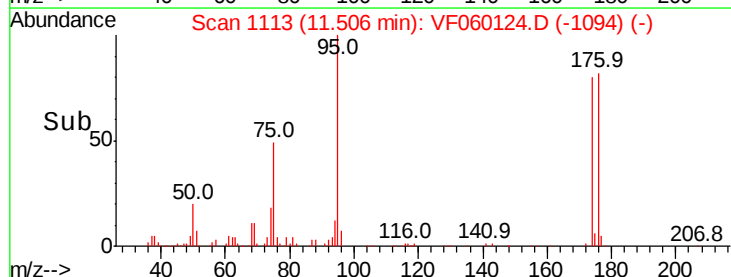
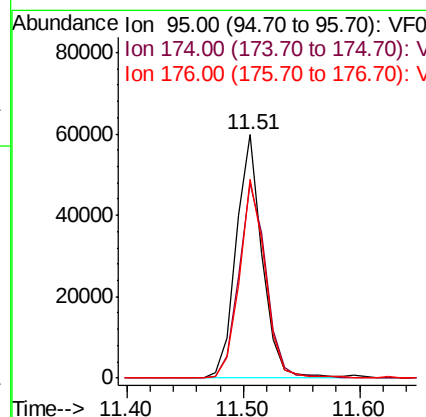
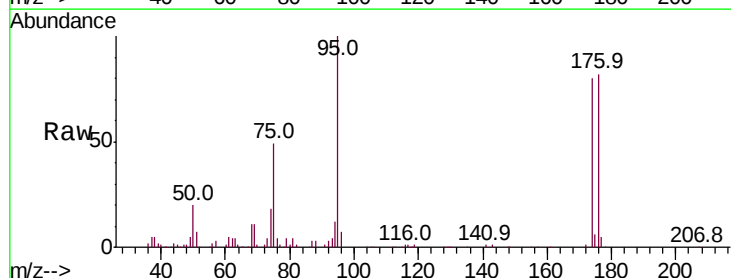
Instrument :
 MSVOA_F
 ClientSampled :

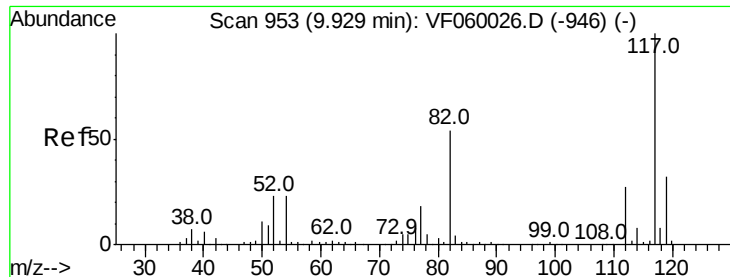
Tot Ion: 63 Resp: 2477
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 34.277 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF060124.D
 Acq: 27 Aug 2018 14:51

Tgt Ion: 95 Resp: 92456
 Ion Ratio Lower Upper
 95 100
 174 80.1 0.0 158.4
 176 81.8 0.0 153.0

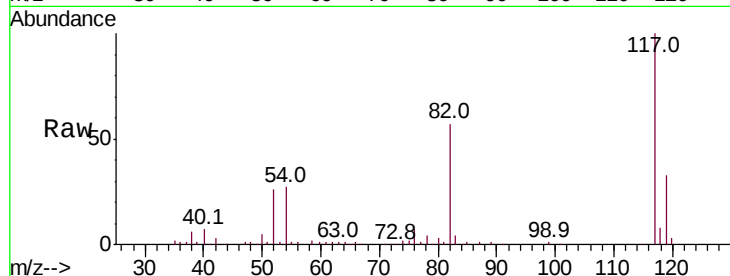




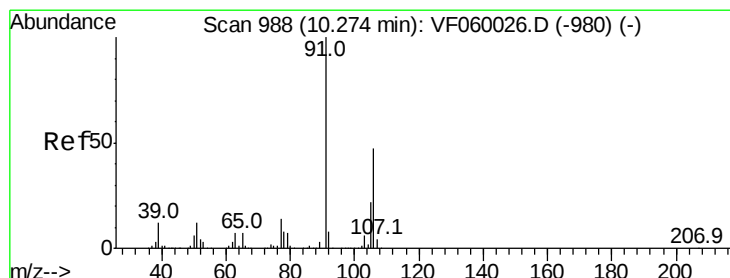
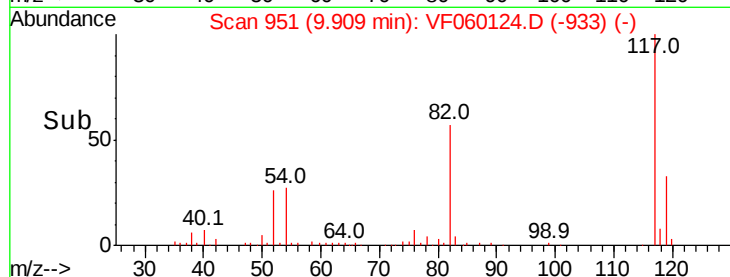
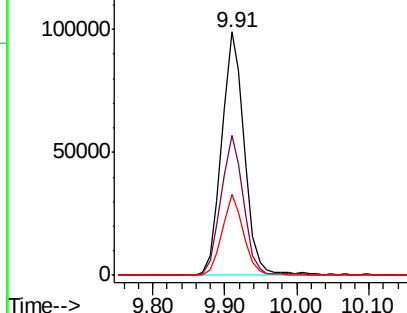
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060124.D
Acq: 27 Aug 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 215154
Ion Ratio Lower Upper
117 100
82 57.3 43.6 65.4
119 33.3 25.6 38.4

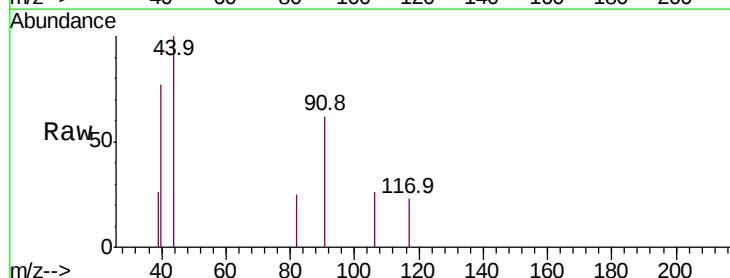


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

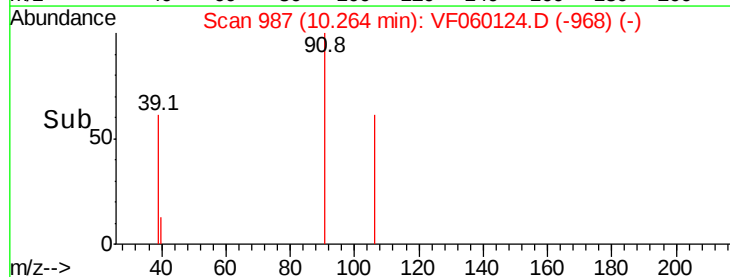
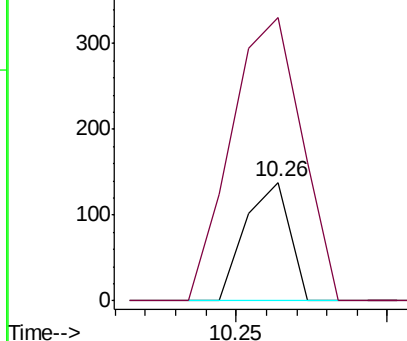


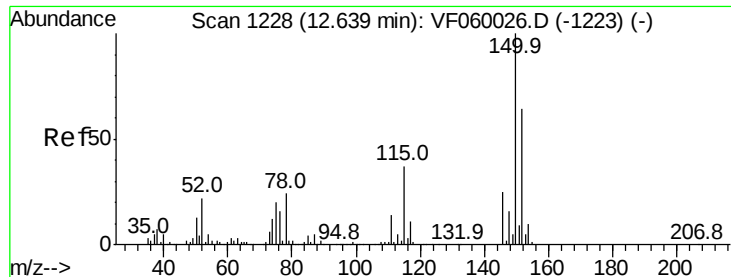
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060124.D
Acq: 27 Aug 2018 14:51

Tgt Ion:106 Resp: 142
Ion Ratio Lower Upper
106 100
91 239.1 171.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0



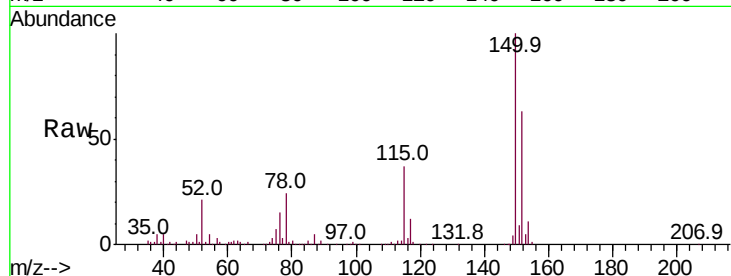


#72

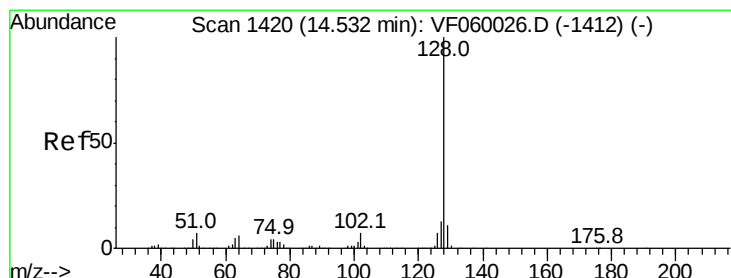
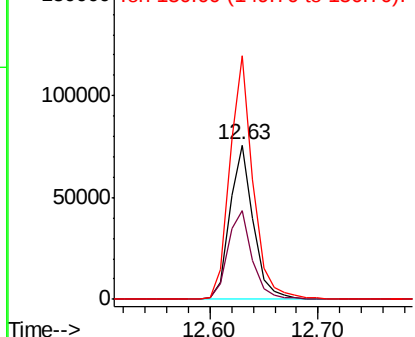
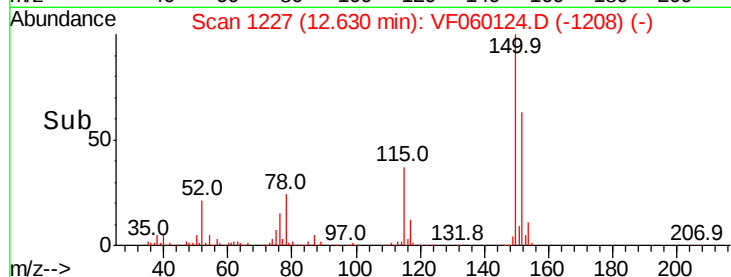
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060124.D
Acq: 27 Aug 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 114348
Ion Ratio Lower Upper
152 100
115 57.9 28.6 85.9
150 157.9 0.0 312.0



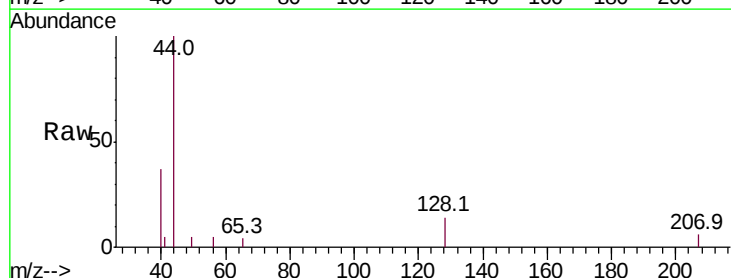
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: 2.378 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060124.D
Acq: 27 Aug 2018 14:51

Tgt Ion:128 Resp: 411
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

