

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024960.D
 Acq On : 27 Jun 2018 12:38
 Operator : MD/SY
 Sample : J3681-02ME
 Misc : 10.46g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FK-GF-02-022-AME

Quant Time: Jun 28 02:24:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	244170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	369231	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	354392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	205442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	179521	45.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.08%	
35) Dibromofluoromethane	4.89	113	138928	45.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.68%	
50) Toluene-d8	7.57	98	528876	47.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.64%	
62) 4-Bromofluorobenzene	10.32	95	224527	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	

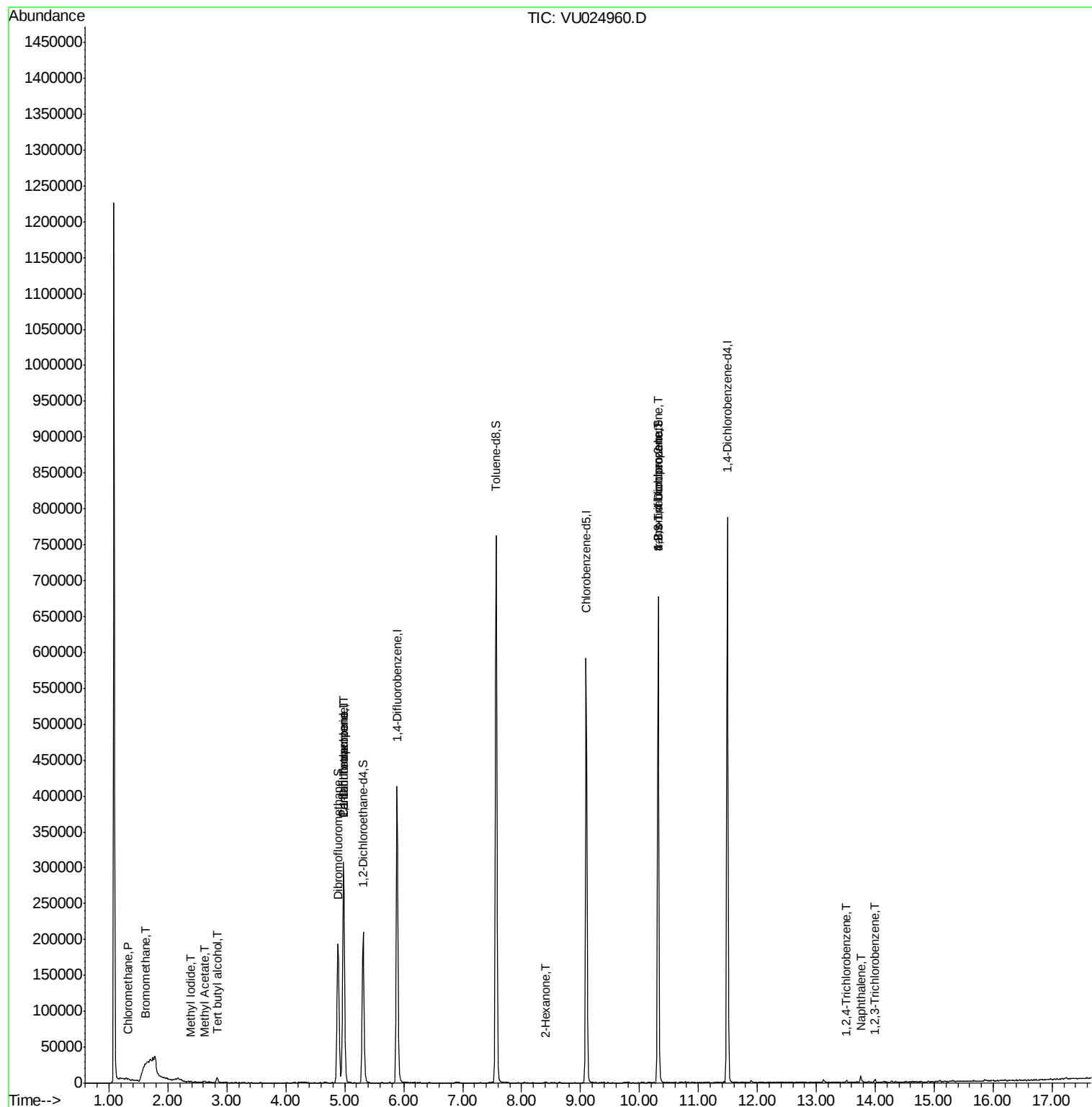
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	987	0.316	ug/l	95
5) Bromomethane	1.60	94	1144	0.735	ug/l	94
6) Chloroethane	1.69	64	69	Below Cal	#	43
8) Diethyl Ether	2.09	74	58	Below Cal	#	1
10) Methyl Iodide	2.39	142	1309	5.742	ug/l #	92
11) Tert butyl alcohol	2.83	59	4113	4.243	ug/l #	72
18) Methyl Acetate	2.62	43	3172	0.691	ug/l #	80
31) Cyclohexane	4.98	56	5125	Below Cal	#	6
36) 1,1-Dichloropropene	4.98	75	17705	4.081	ug/l #	50
38) Carbon Tetrachloride	4.98	117	23461	4.917	ug/l #	16
59) 2-Hexanone	8.40	43	927	0.221	ug/l #	47
76) 1,2,3-Trichloropropane	10.32	75	113215	25.030	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.32	75	113215	57.931	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	1426	0.313	ug/l #	85
95) Naphthalene	13.75	128	9169	1.278	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	1494	0.329	ug/l	85

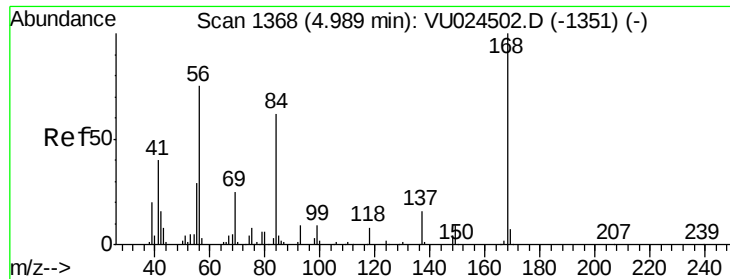
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

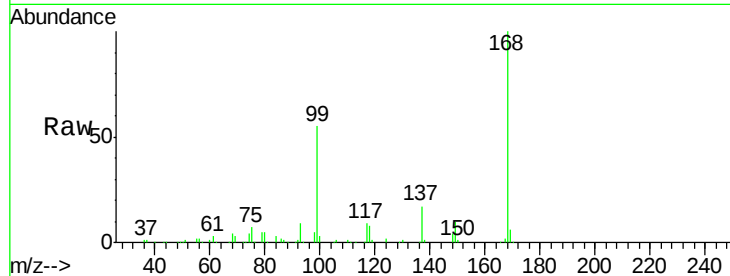
FK-GF-02-022-AME

Tgt Ion:168 Resp: 244170

Ion Ratio Lower Upper

168 100

99 54.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024960.D

Ion 98.90 (98.60 to 99.60): VU024960.D

4.98

120000

100000

80000

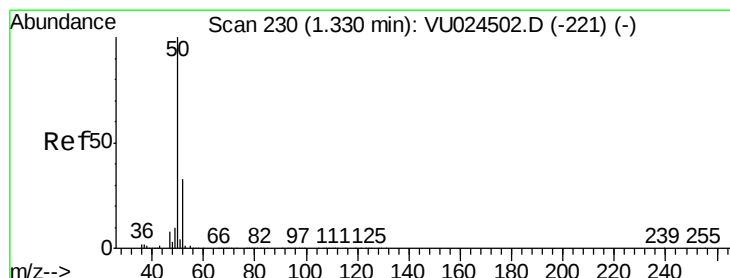
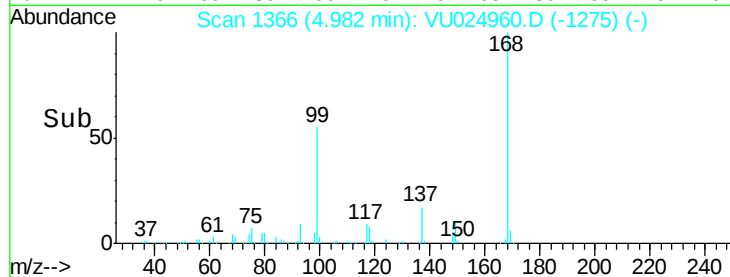
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.316 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU024960.D

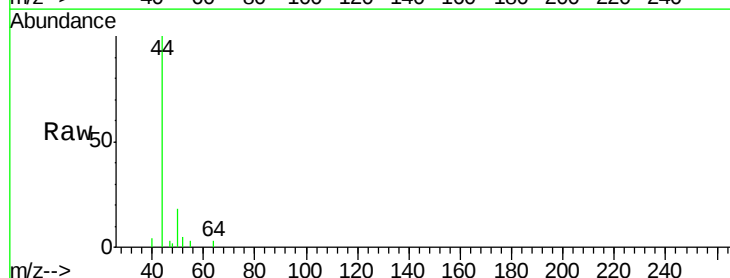
Acq: 27 Jun 2018 12:38

Tgt Ion: 50 Resp: 987

Ion Ratio Lower Upper

50 100

52 30.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024960.D

Ion 51.90 (51.60 to 52.60): VU024960.D

1.32

800

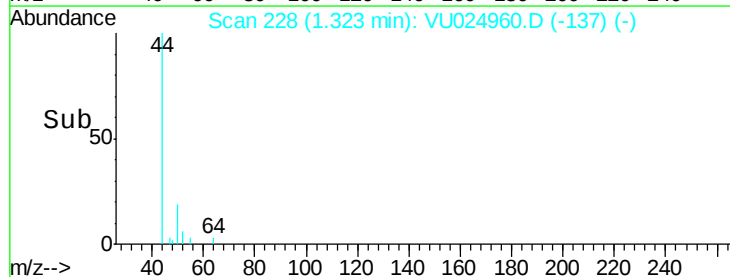
600

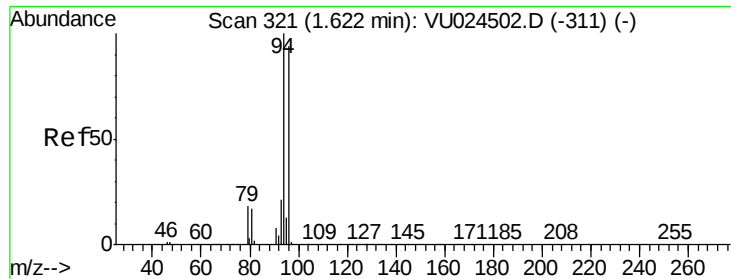
400

200

0

Time-->





#5

Bromomethane

Concen: 0.735 ug/l

RT: 1.60 min Scan# 315

Delta R.T. -0.02 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

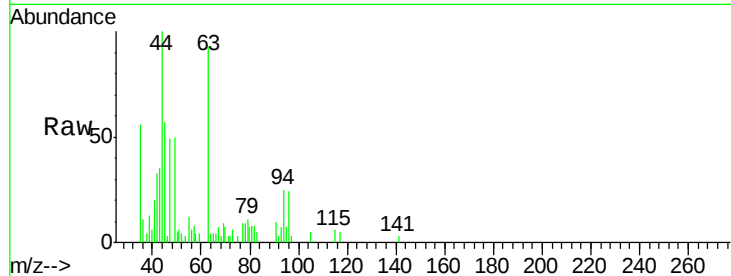
FK-GF-02-022-AME

Tgt Ion: 94 Resp: 1144

Ion Ratio Lower Upper

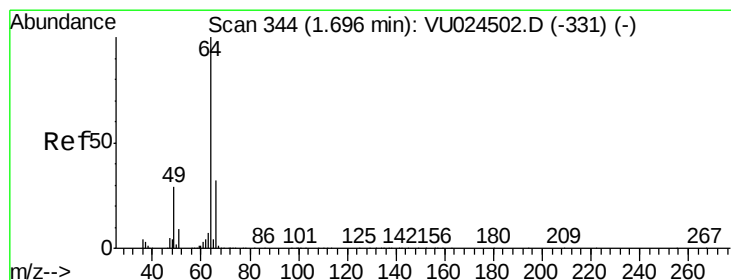
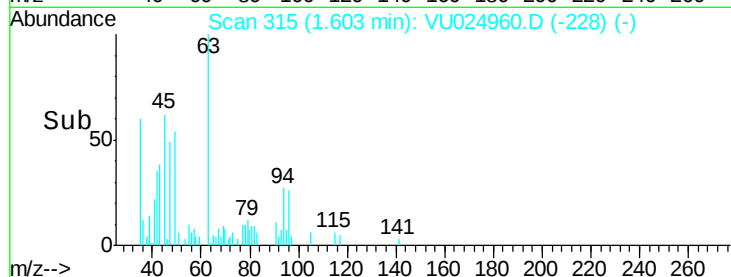
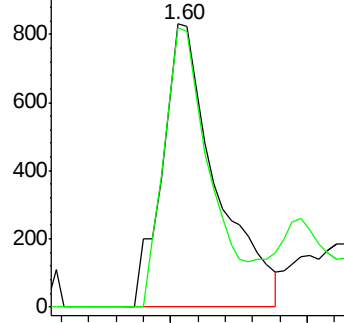
94 100

96 98.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU024960.D

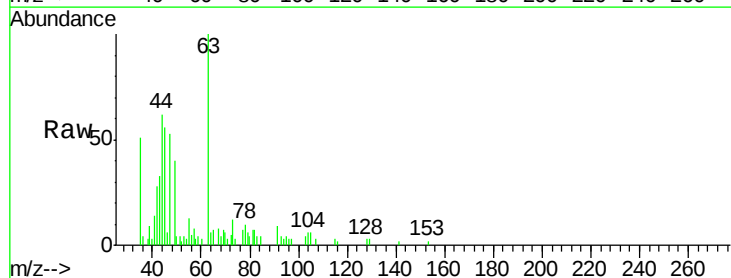
Acq: 27 Jun 2018 12:38

Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

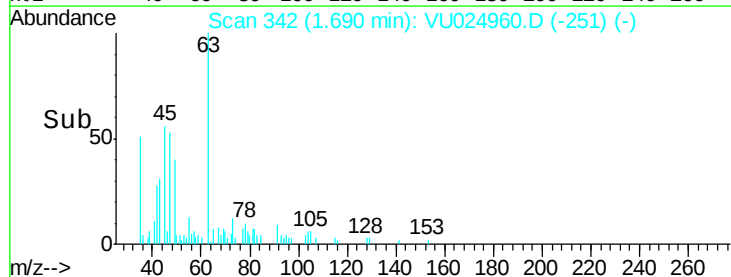
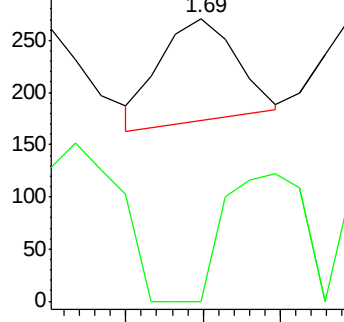
64 100

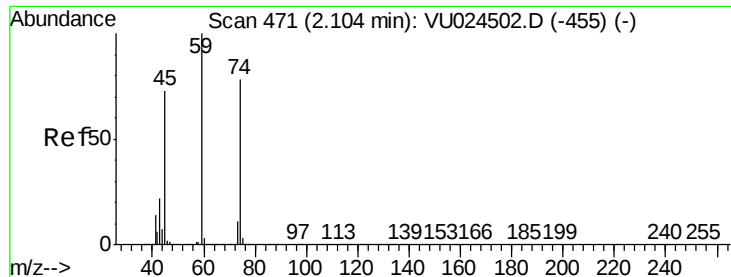
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.09 min Scan# 468

Delta R.T. -0.01 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

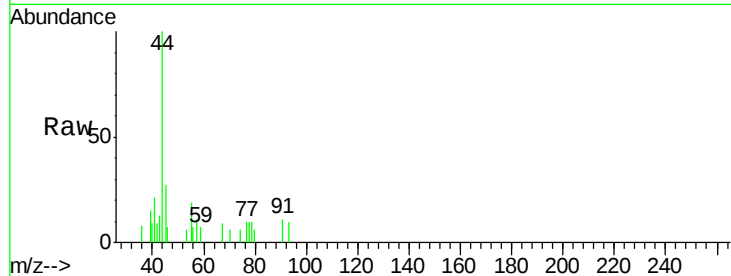
FK-GF-02-022-AME

Tgt Ion: 74 Resp: 58

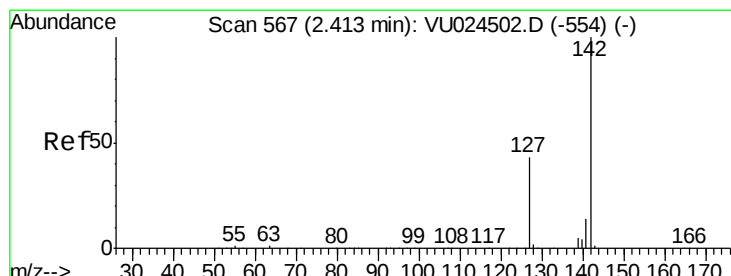
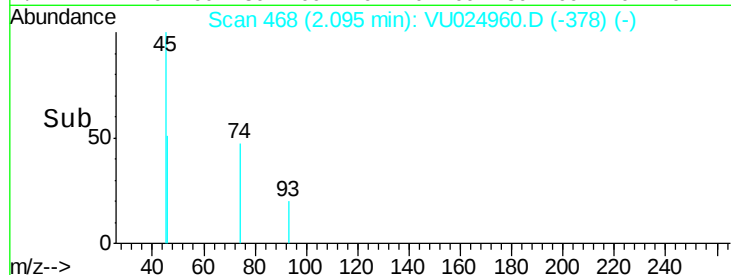
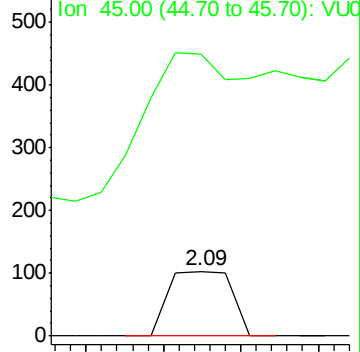
Ion Ratio Lower Upper

74 100

45 369.0 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU024960.D (-378) (-)



#10

Methyl Iodide

Concen: 5.742 ug/l

RT: 2.39 min Scan# 560

Delta R.T. -0.02 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

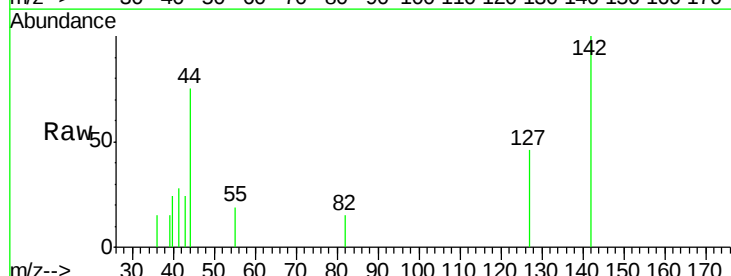
Tgt Ion: 142 Resp: 1309

Ion Ratio Lower Upper

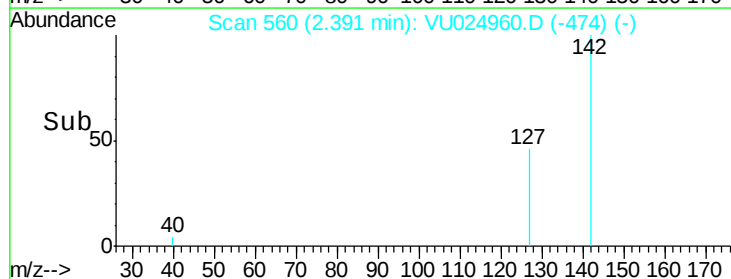
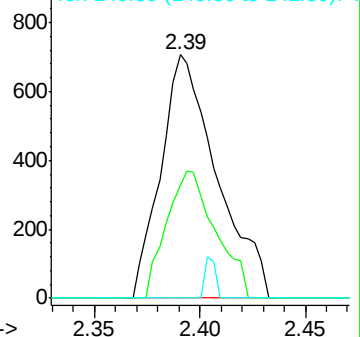
142 100

127 45.3 35.6 53.4

141 3.4 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): VU024960.D (-474) (-)

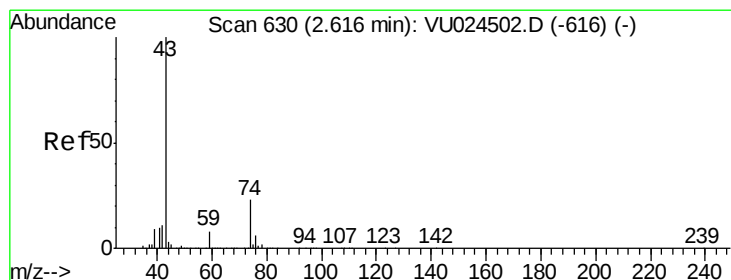
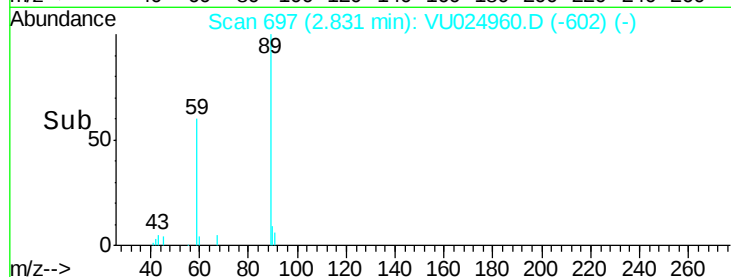
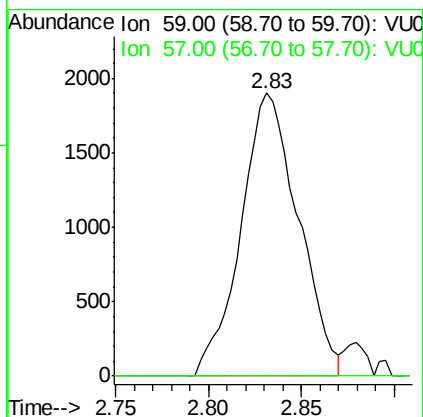
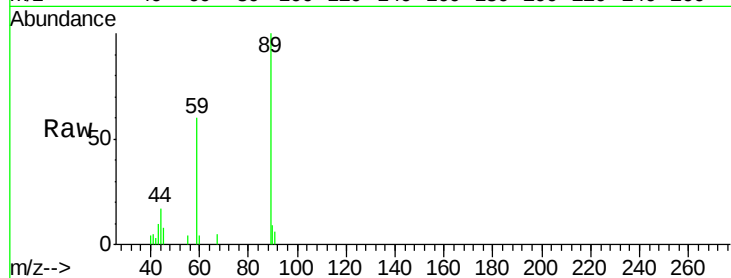




#11
Tert butyl alcohol
Concen: 4.243 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024960.D
Acq: 27 Jun 2018 12:38

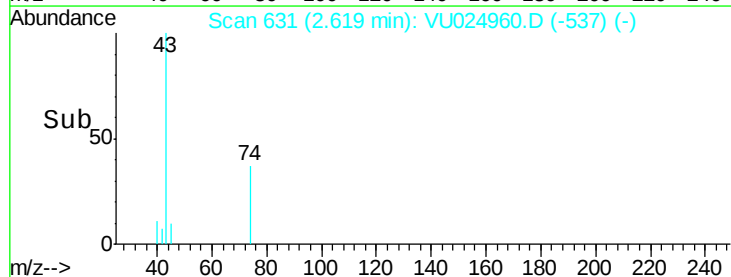
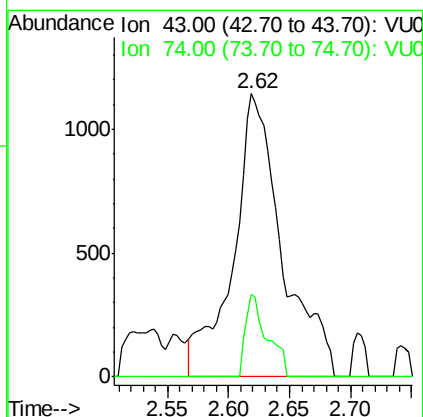
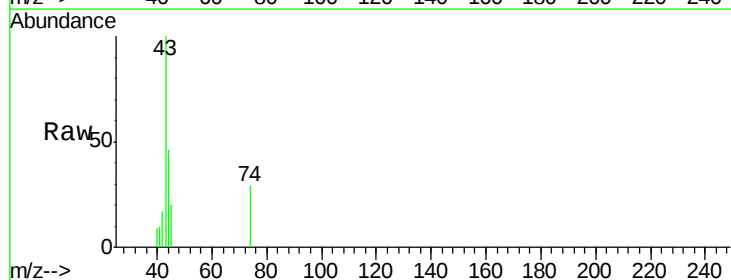
Instrument :
MSVOA_U
ClientSampleId :
FK-GF-02-022-AME

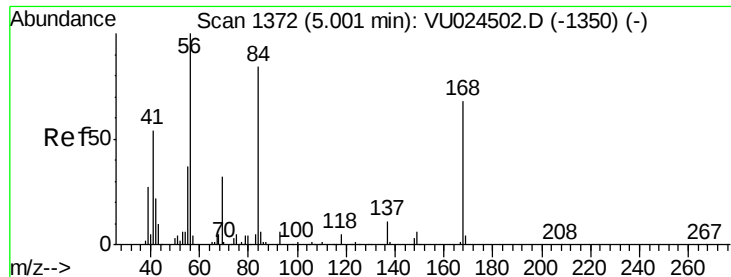
Tgt Ion: 59 Resp: 4113
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#18
Methyl Acetate
Concen: 0.691 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU024960.D
Acq: 27 Jun 2018 12:38

Tgt Ion: 43 Resp: 3172
Ion Ratio Lower Upper
43 100
74 12.8 18.0 27.0#

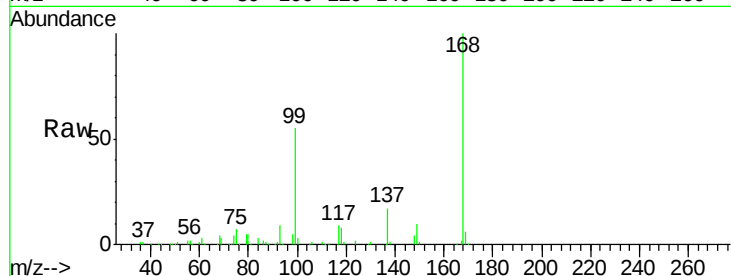




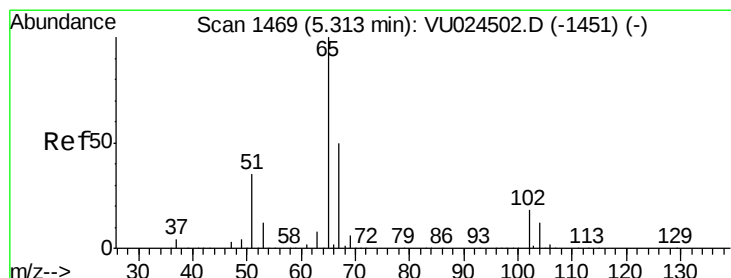
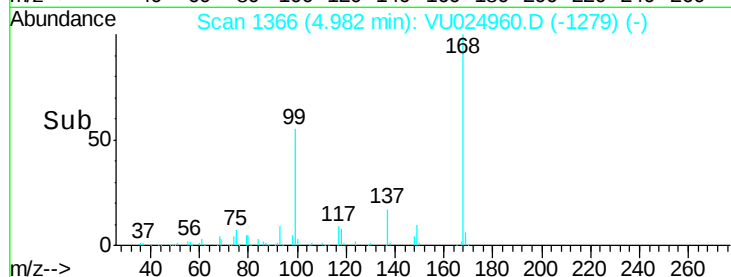
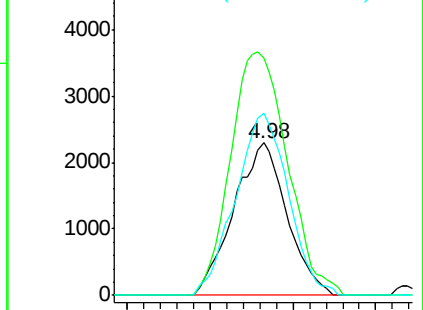
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024960.D
Acq: 27 Jun 2018 12:38

Instrument :
MSVOA_U
ClientSampleId :
FK-GF-02-022-AME

Tgt Ion: 56 Resp: 5125
Ion Ratio Lower Upper
56 100
69 156.0 24.8 37.2#
84 119.6 65.2 97.8#

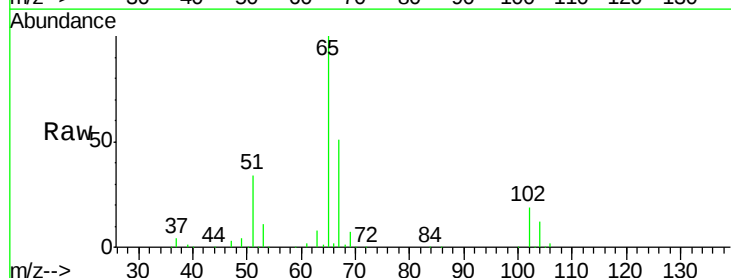


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

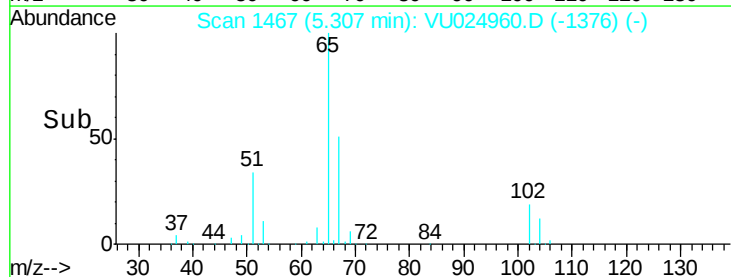
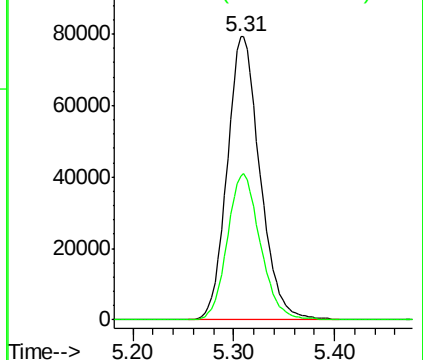


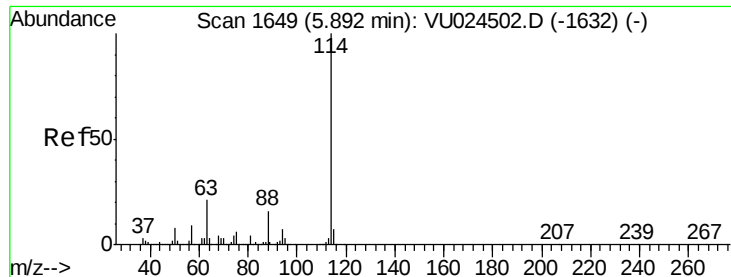
#33
1,2-Dichloroethane-d4
Concen: 45.036 ug/l
RT: 5.31 min Scan# 1467
Delta R.T. -0.01 min
Lab File: VU024960.D
Acq: 27 Jun 2018 12:38

Tgt Ion: 65 Resp: 179521
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1647

Delta R.T. -0.01 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

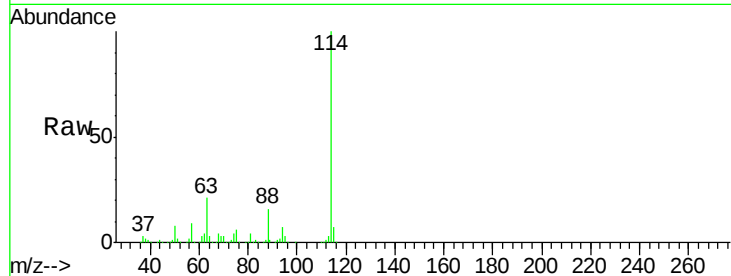
Instrument :

MSVOA_U

ClientSampleId :

FK-GF-02-022-AME

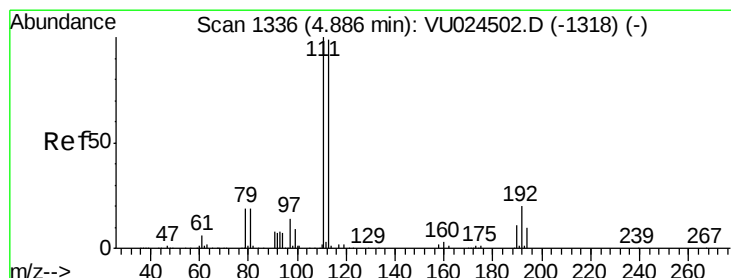
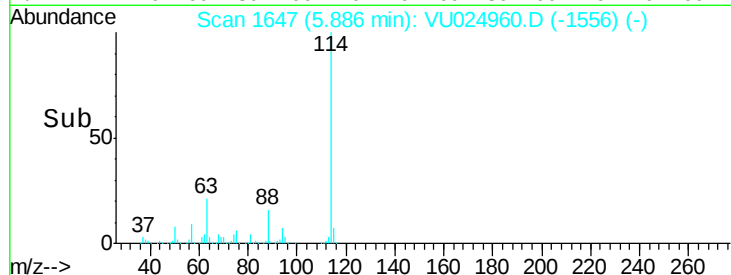
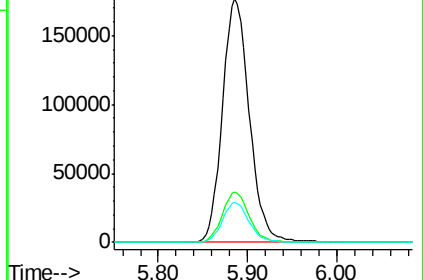
Tgt Ion:	114	Resp:	369231
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	45.4
88	16.4	0.0	31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 45.337 ug/l

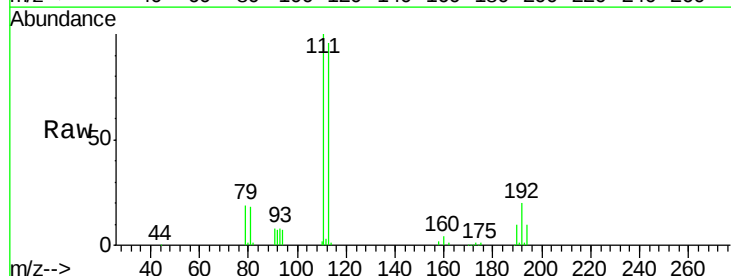
RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

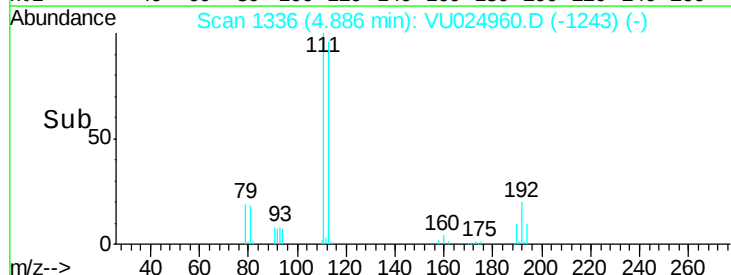
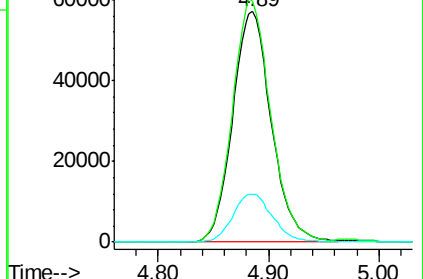
Tgt Ion:	113	Resp:	138928
Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.4
192	21.5	16.2	24.4

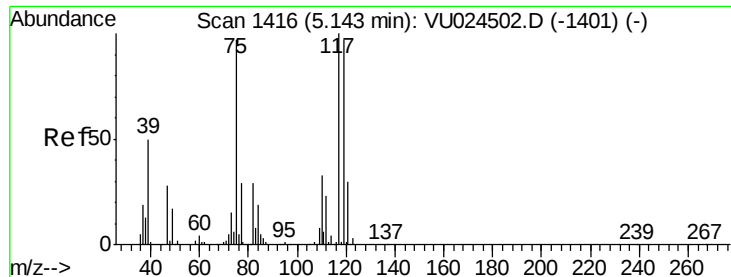


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

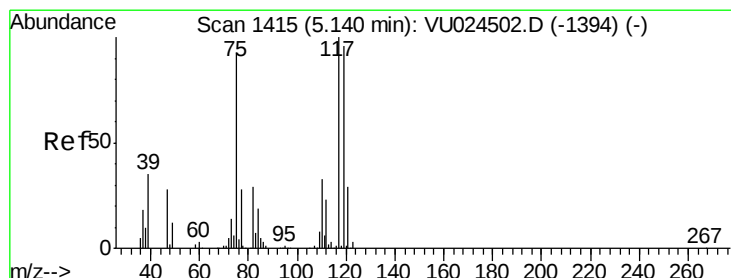
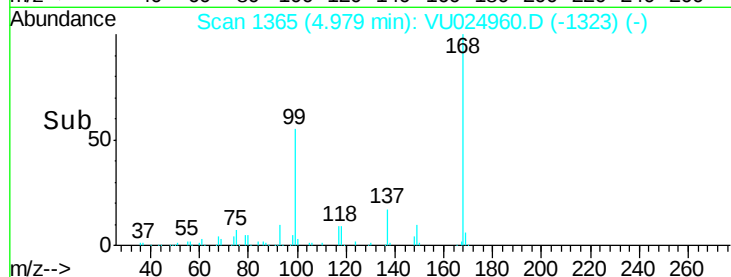
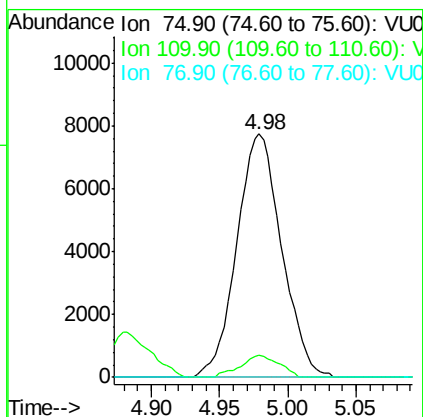
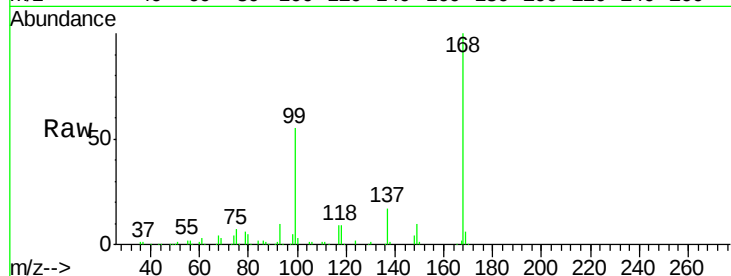




#36
 1,1-Dichloropropene
 Concen: 4.081 ug/l
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.16 min
 Lab File: VU024960.D
 Acq: 27 Jun 2018 12:38

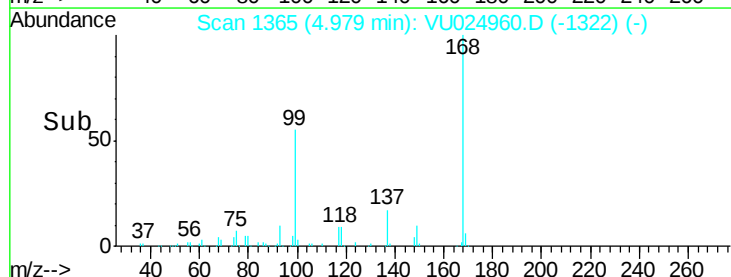
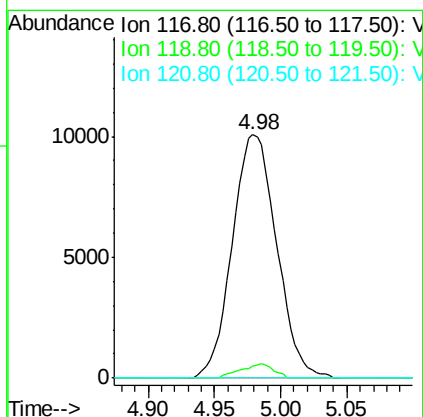
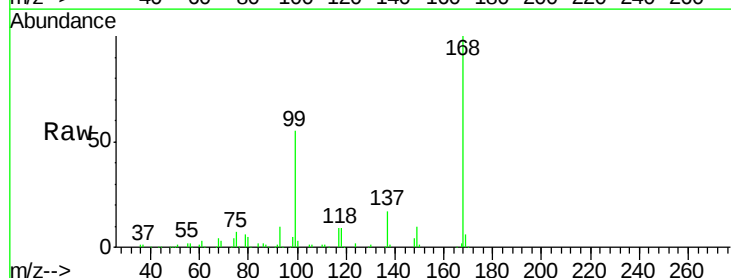
Instrument :
 MSVOA_U
 ClientSampleId :
 FK-GF-02-022-AME

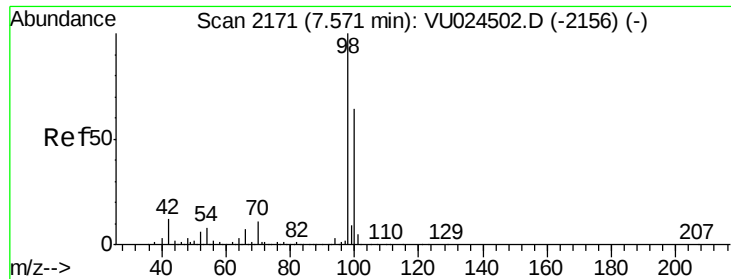
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.917 ug/l
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.16 min
 Lab File: VU024960.D
 Acq: 27 Jun 2018 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.1	114.1#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 47.316 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

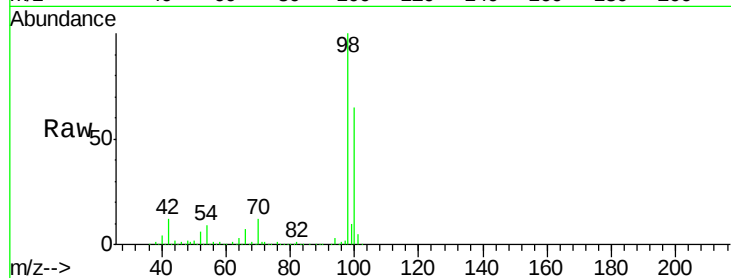
FK-GF-02-022-AME

Tgt Ion: 98 Resp: 528876

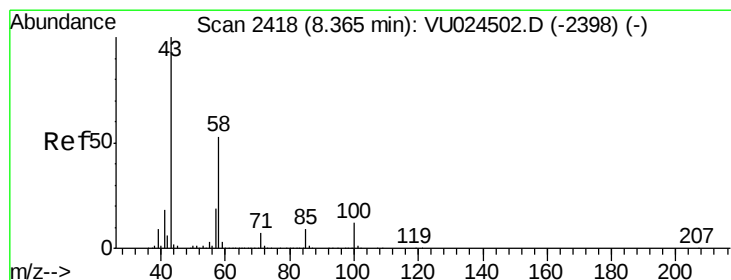
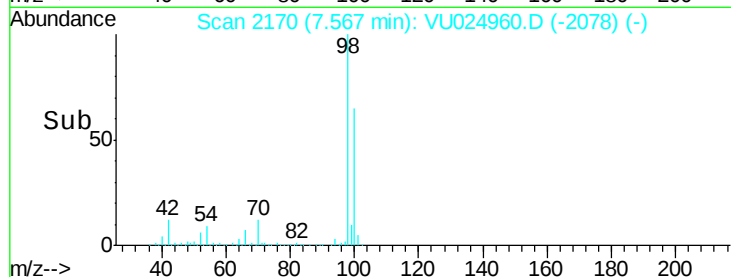
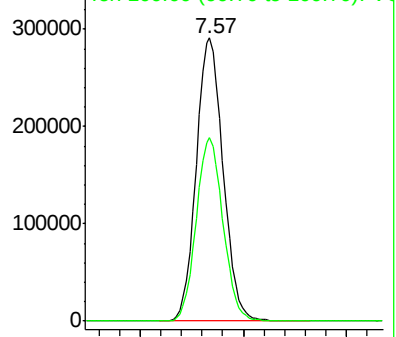
Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)



#59

2-Hexanone

Concen: 0.221 ug/l

RT: 8.40 min Scan# 2430

Delta R.T. 0.04 min

Lab File: VU024960.D

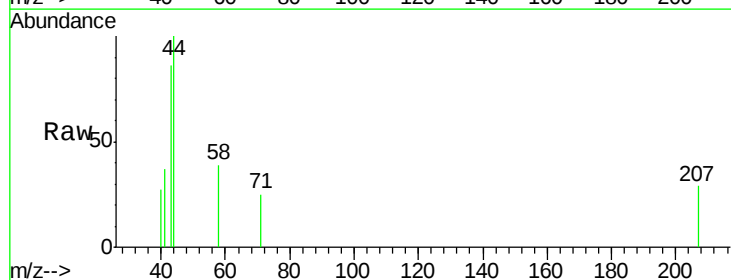
Acq: 27 Jun 2018 12:38

Tgt Ion: 43 Resp: 927

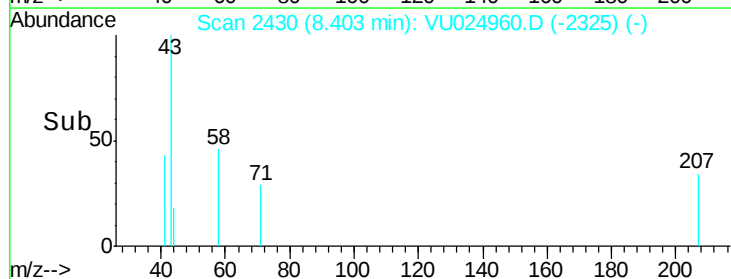
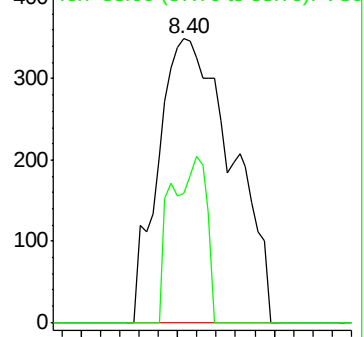
Ion Ratio Lower Upper

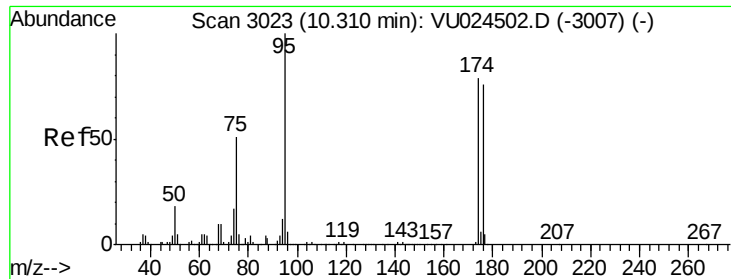
43 100

58 14.9 26.4 79.0#



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2398) (-)





#62

4-Bromofluorobenzene

Concen: 50.593 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

FK-GF-02-022-AME

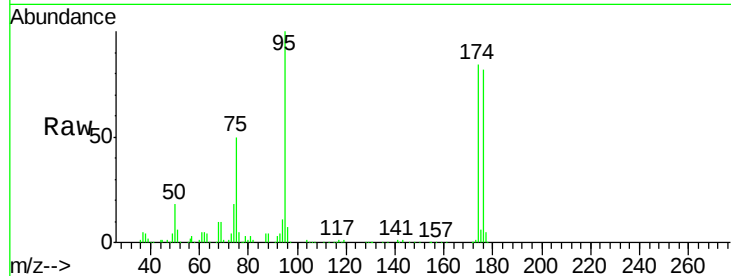
Tgt Ion: 95 Resp: 224527

Ion Ratio Lower Upper

95 100

174 83.0 0.0 165.8

176 82.0 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)

10.32

150000

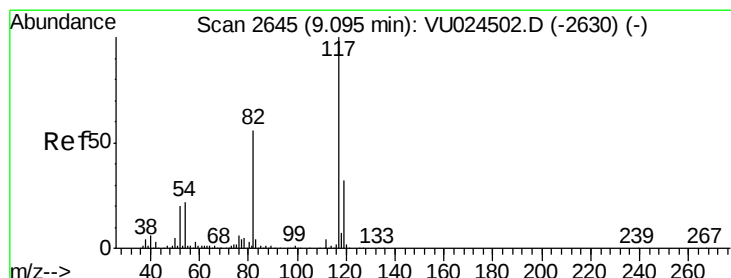
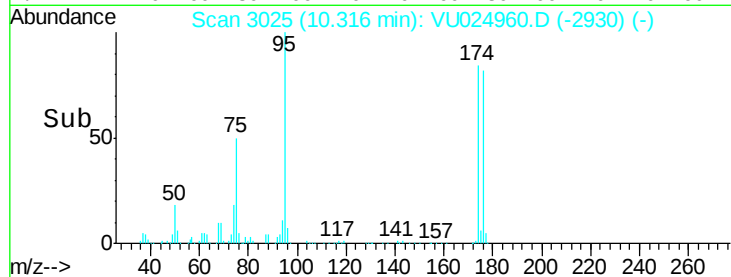
100000

50000

0

Time-->

10.30 10.40



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

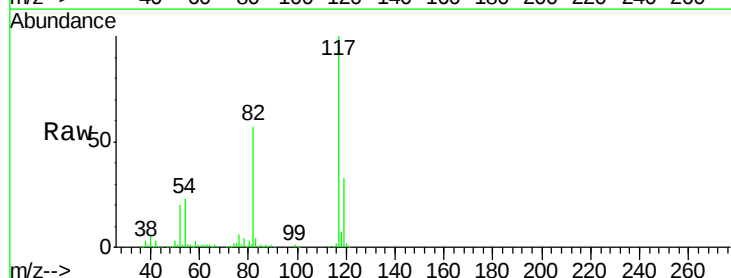
Tgt Ion: 117 Resp: 354392

Ion Ratio Lower Upper

117 100

82 57.1 44.3 66.5

119 32.5 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)

9.09

250000

200000

150000

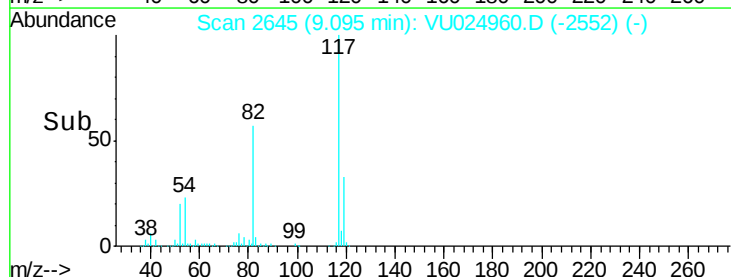
100000

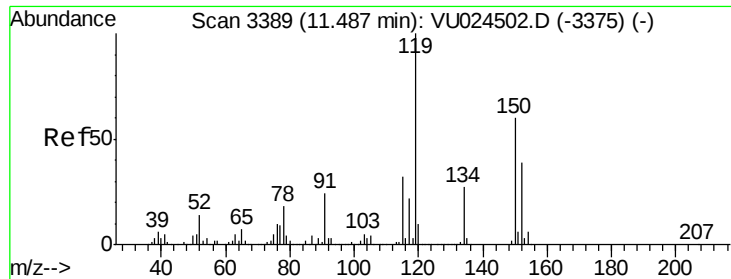
50000

0

Time-->

9.00 9.10 9.20





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

FK-GF-02-022-AME

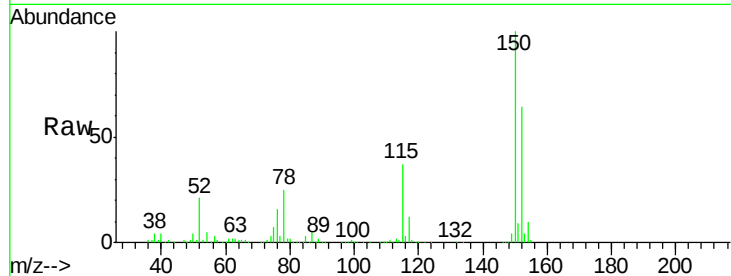
Tgt Ion:152 Resp: 205442

Ion Ratio Lower Upper

152 100

115 58.3 43.0 129.0

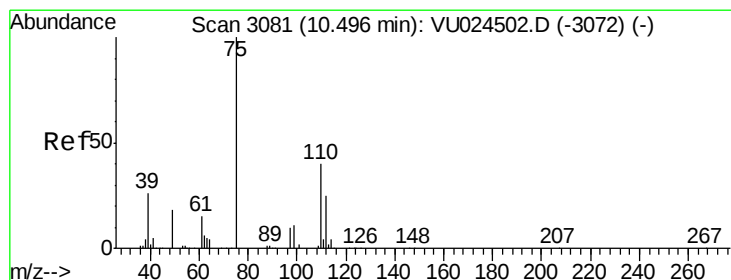
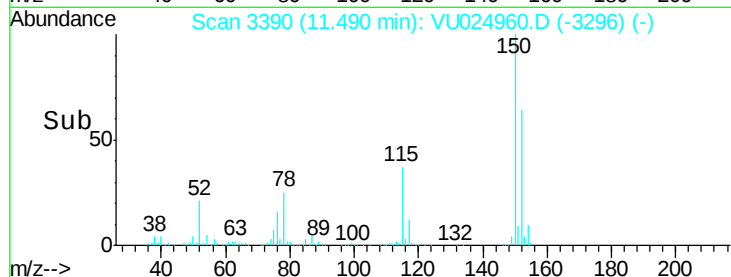
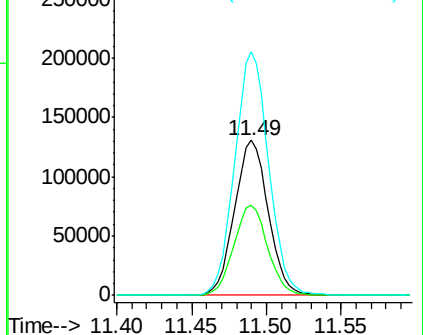
150 157.4 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.030 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU024960.D

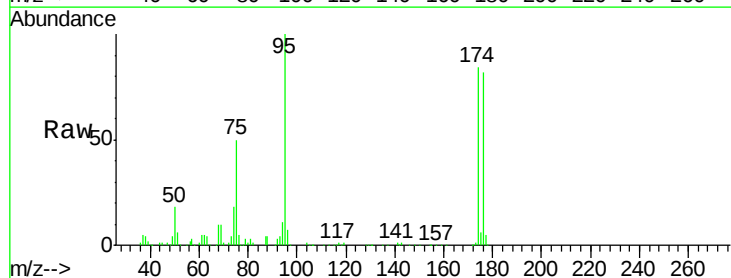
Acq: 27 Jun 2018 12:38

Tgt Ion: 75 Resp: 113215

Ion Ratio Lower Upper

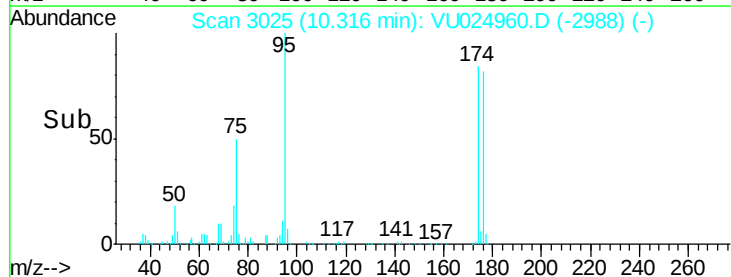
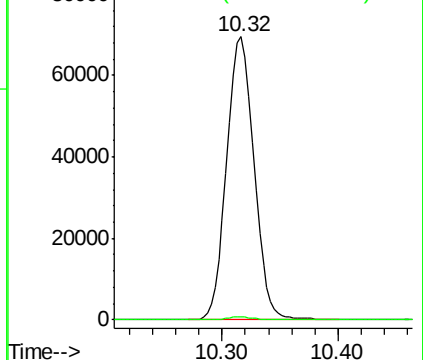
75 100

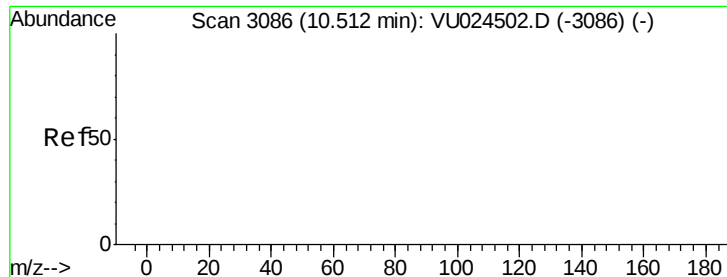
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.931 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.20 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

FK-GF-02-022-AME

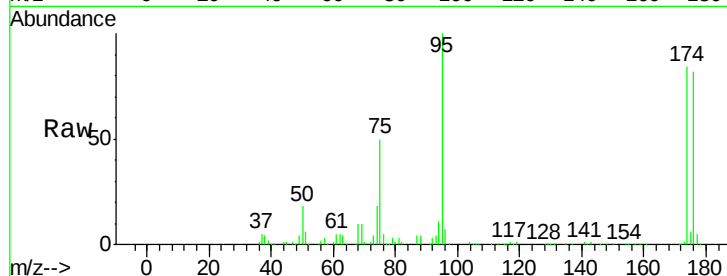
Tgt Ion: 75 Resp: 113215

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

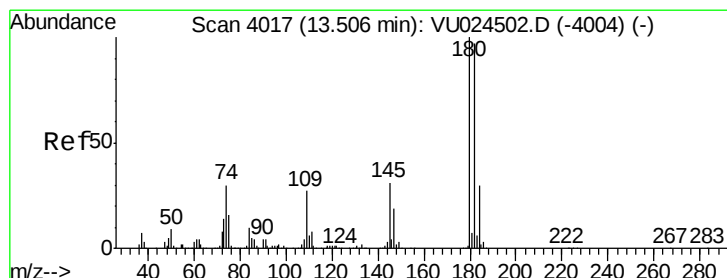
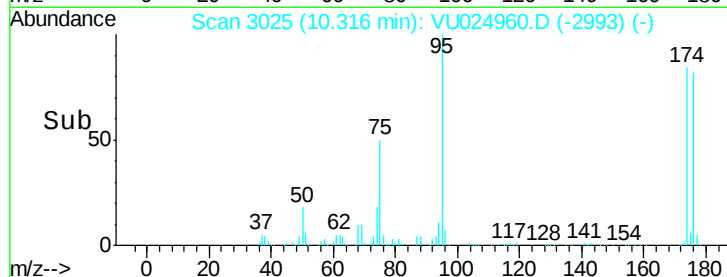
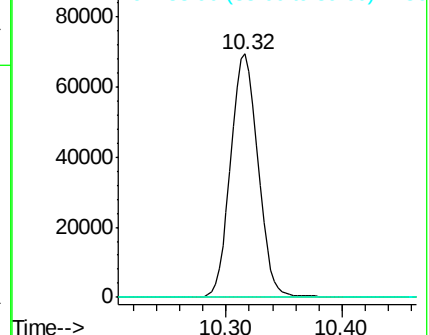
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024960.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024960.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024960.D (-2993) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.313 ug/l

RT: 13.51 min Scan# 4019

Delta R.T. 0.01 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

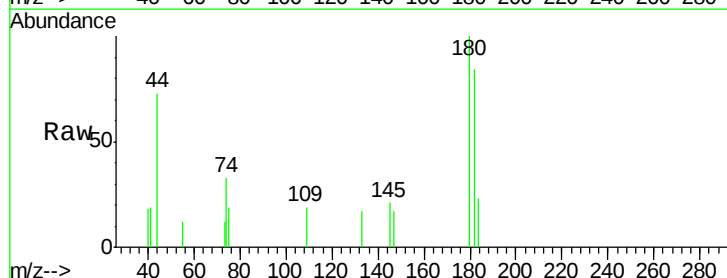
Tgt Ion: 180 Resp: 1426

Ion Ratio Lower Upper

180 100

182 84.9 48.0 144.2

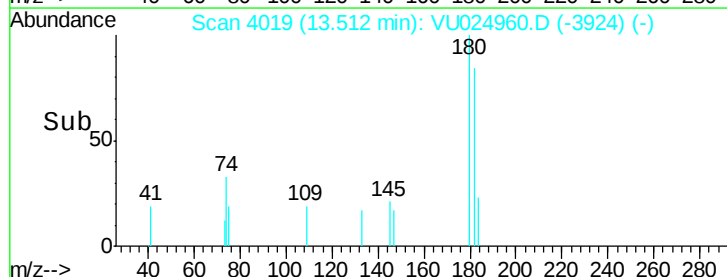
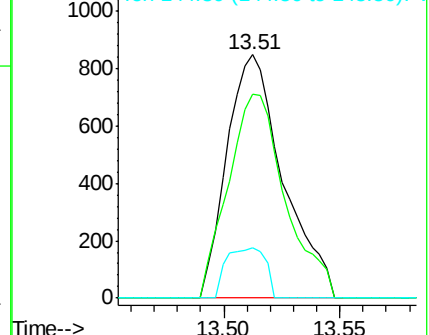
145 14.3 14.7 44.1#

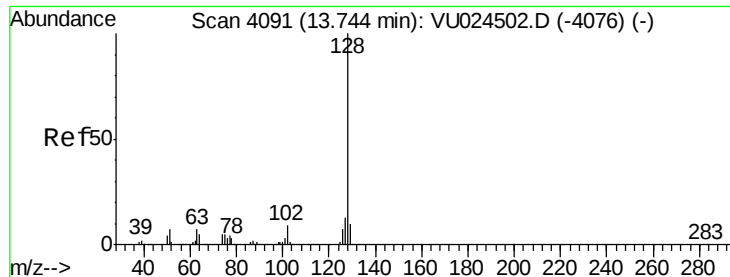


Abundance Ion 179.80 (179.50 to 180.50): VU024960.D (-3924) (-)

Ion 181.80 (181.50 to 182.50): VU024960.D (-3924) (-)

Ion 144.80 (144.50 to 145.50): VU024960.D (-3924) (-)





#95

Naphthalene

Concen: 1.278 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

FK-GF-02-022-AME

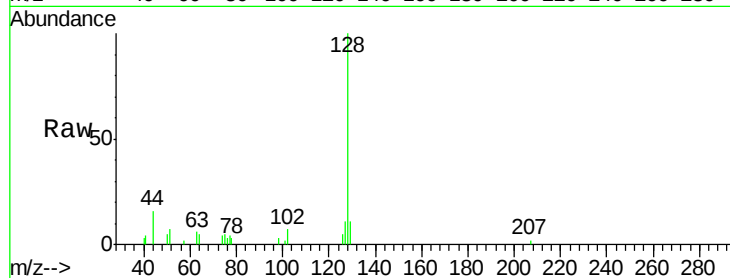
Tgt Ion:128 Resp: 9169

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

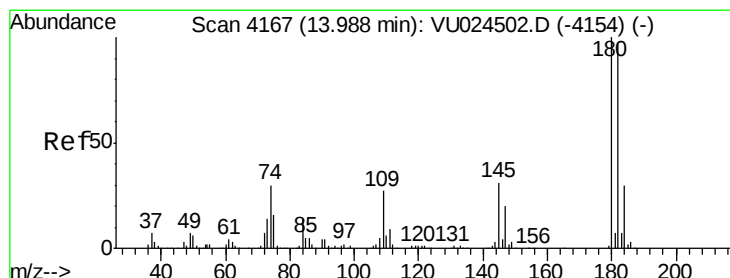
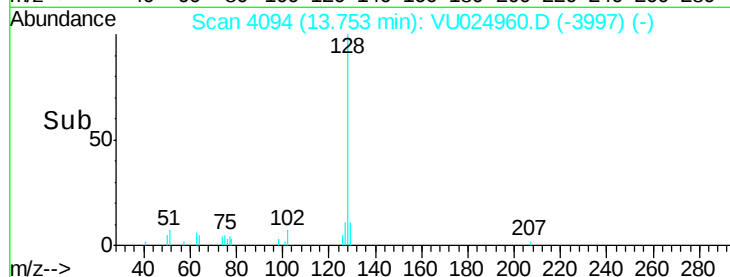
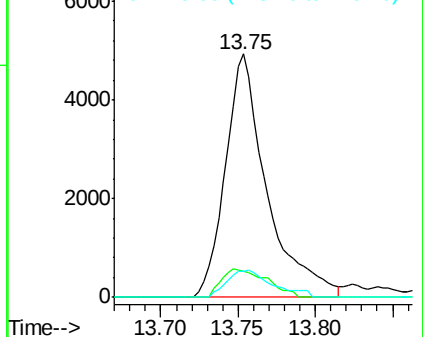
129 12.2 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.329 ug/l

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU024960.D

Acq: 27 Jun 2018 12:38

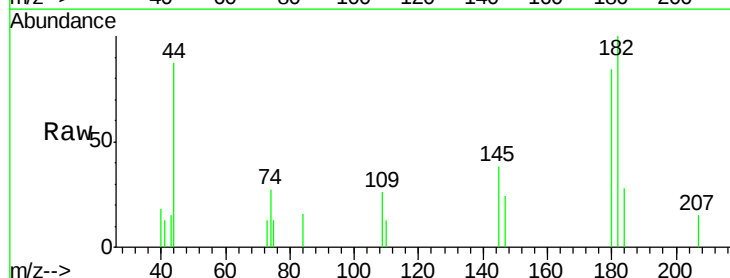
Tgt Ion:180 Resp: 1494

Ion Ratio Lower Upper

180 100

182 112.0 47.9 143.7

145 36.9 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

