

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025775.D
 Acq On : 01 Aug 2018 14:27
 Operator : MD/SY
 Sample : J4262-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FB-073118

Quant Time: Aug 02 03:57:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	177221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	287047	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	283809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169464	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	141379	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
35) Dibromofluoromethane	4.89	113	118941	47.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.28%	
50) Toluene-d8	7.57	98	416679	47.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	10.31	95	160219	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	

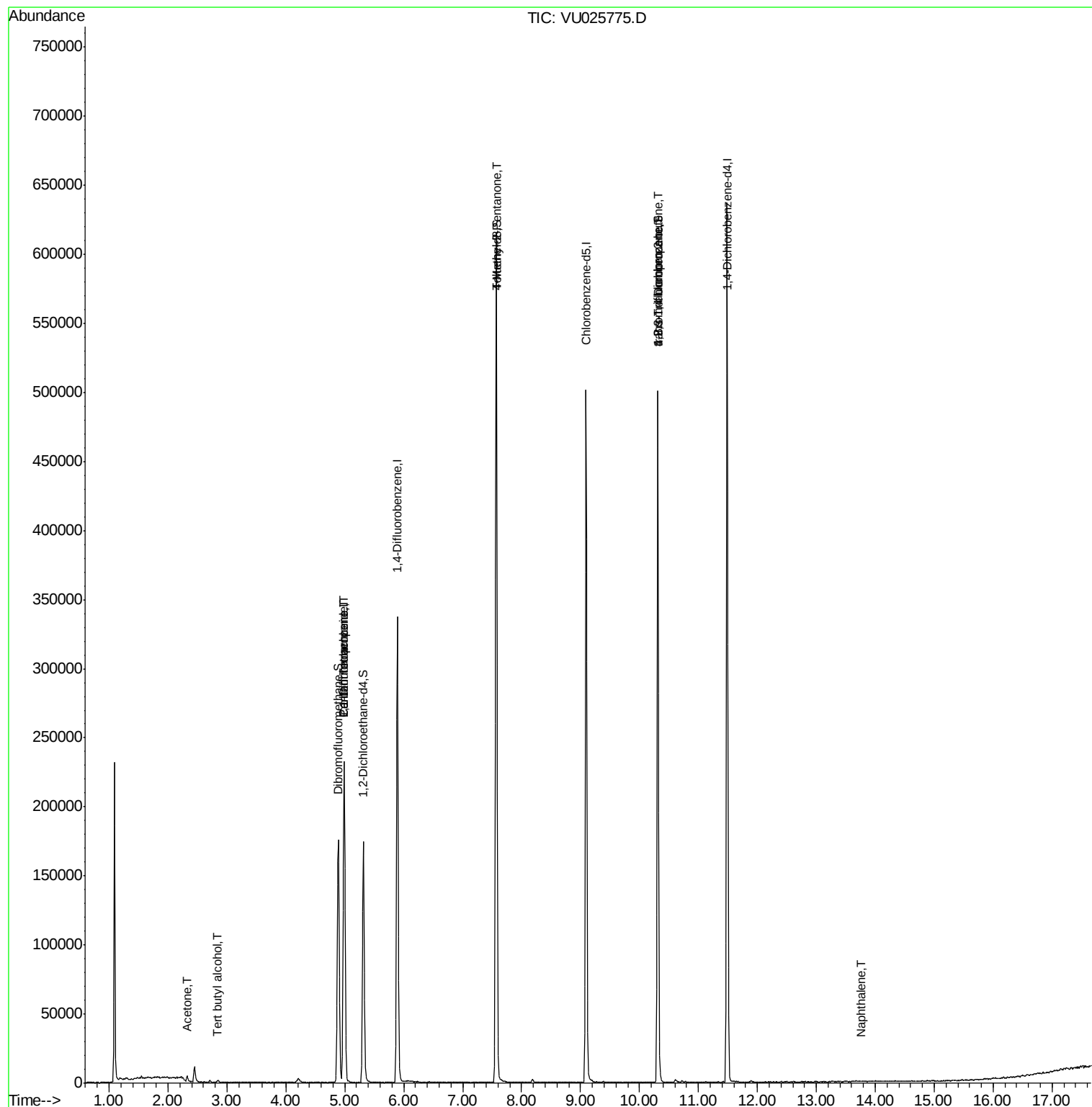
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	850	1.41	ug/l #	73
13) Acrolein	2.07	56	63	Below Cal	#	14
16) Acetone	2.32	43	3766	2.80	ug/l	94
31) Cyclohexane	4.99	56	3223	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13004	3.88	ug/l #	46
38) Carbon Tetrachloride	4.99	117	17037	4.48	ug/l #	17
51) 4-Methyl-2-Pentanone	7.56	43	1742	0.48	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	84195	22.55	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	84195	56.54	ug/l #	100
95) Naphthalene	13.75	128	19	1.25	ug/l #	69

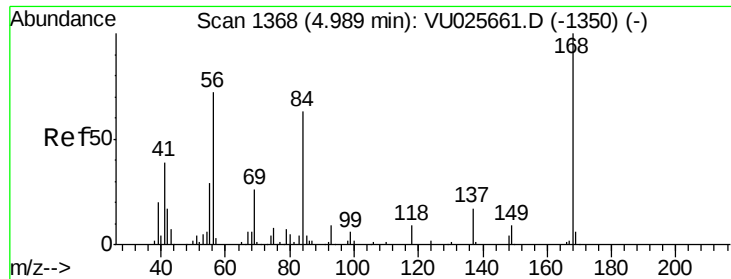
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 31 16:07:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025775.D

Acq: 01 Aug 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

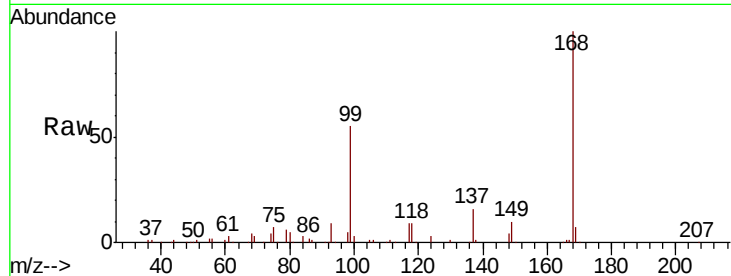
FB-073118

Tot Ion:168 Resp: 177221

Ion Ratio Lower Upper

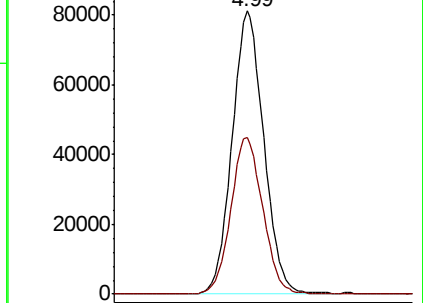
168 100

99 55.4 42.8 64.2

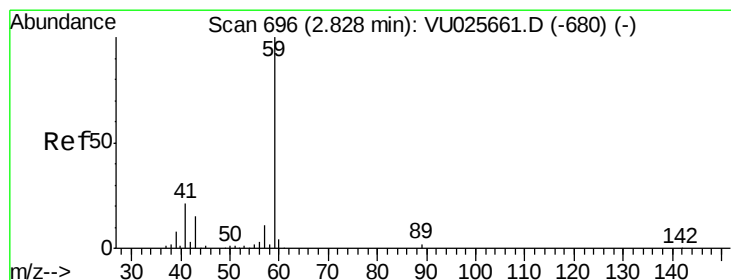
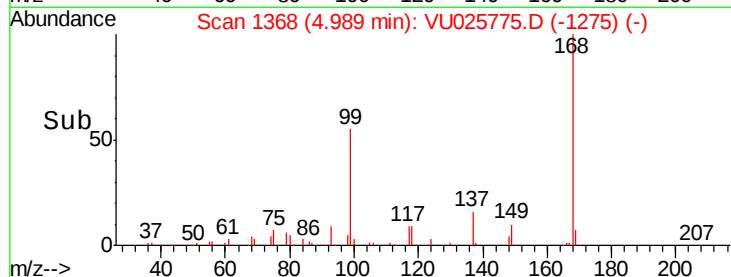


Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



Time-->



#11

Tert butyl alcohol

Concen: 1.41 ug/l

RT: 2.84 min Scan# 701

Delta R.T. 0.02 min

Lab File: VU025775.D

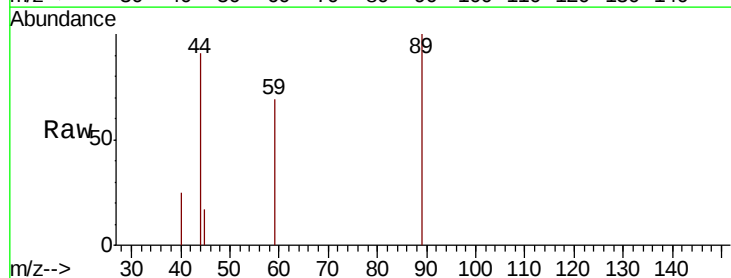
Acq: 01 Aug 2018 14:27

Tgt Ion: 59 Resp: 850

Ion Ratio Lower Upper

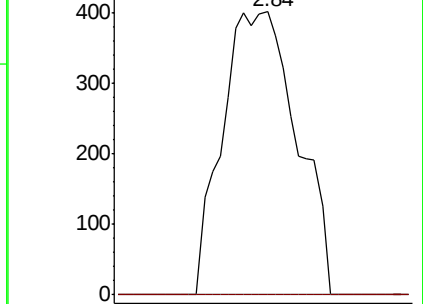
59 100

57 0.0 8.2 12.2#

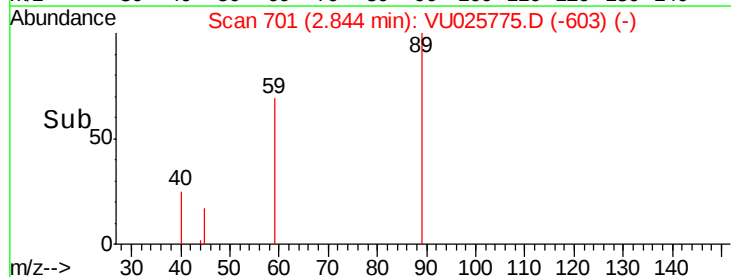


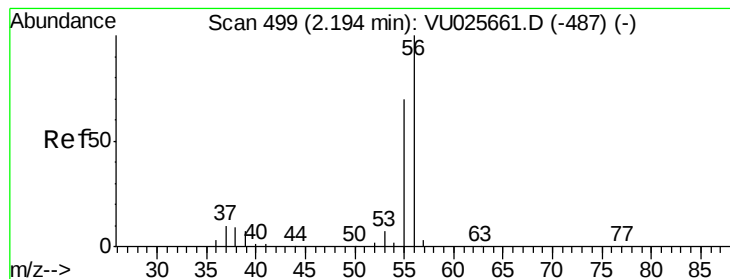
Abundance Ion 59.00 (58.70 to 59.70): VU025661.D (-680) (-)

Ion 57.00 (56.70 to 57.70): VU025661.D (-680) (-)



Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.07 min Scan# 461

Delta R.T. -0.12 min

Lab File: VU025775.D

Acq: 01 Aug 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

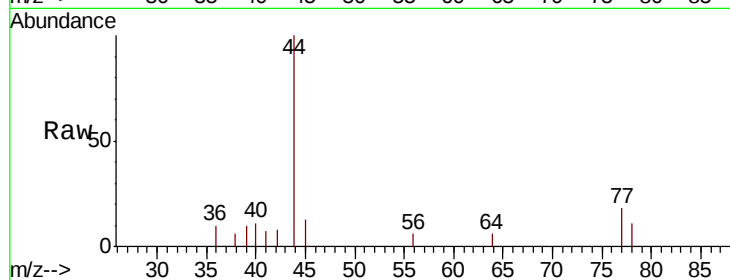
FB-073118

Tot Ion: 56 Resp: 63

Ion Ratio Lower Upper

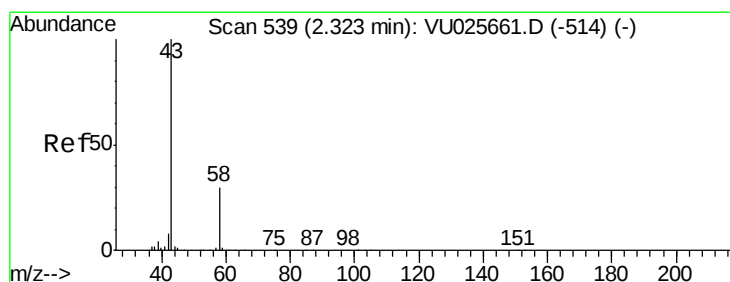
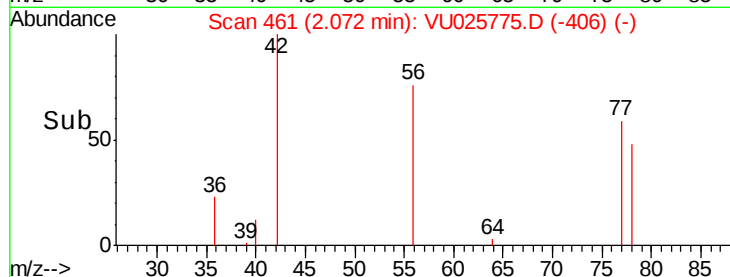
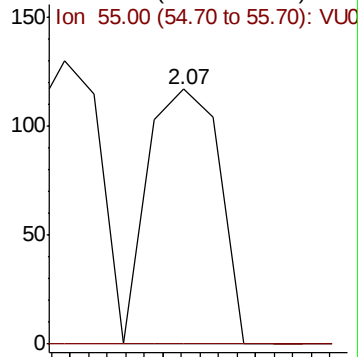
56 100

55 0.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 2.80 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025775.D

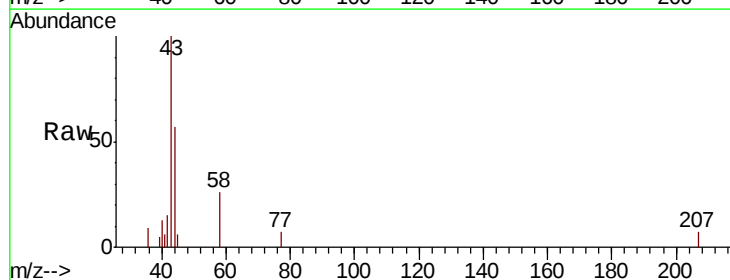
Acq: 01 Aug 2018 14:27

Tgt Ion: 43 Resp: 3766

Ion Ratio Lower Upper

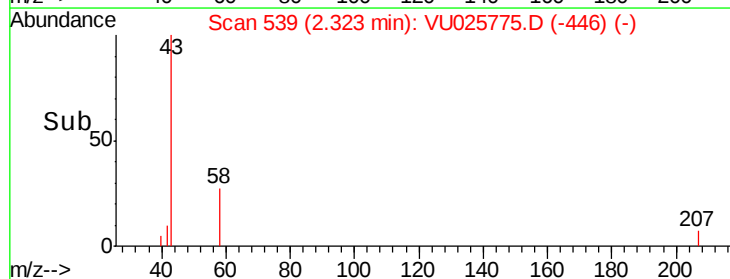
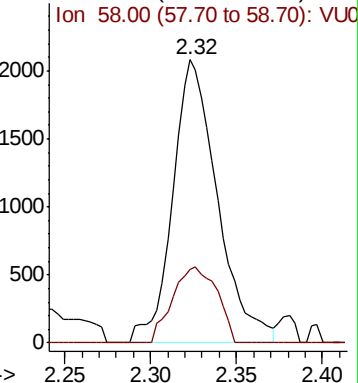
43 100

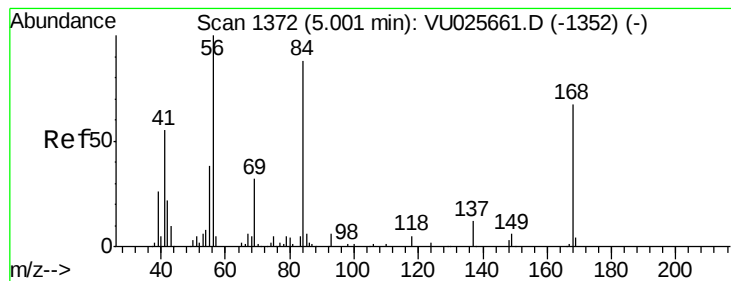
58 25.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025775.D

Acq: 01 Aug 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

FB-073118

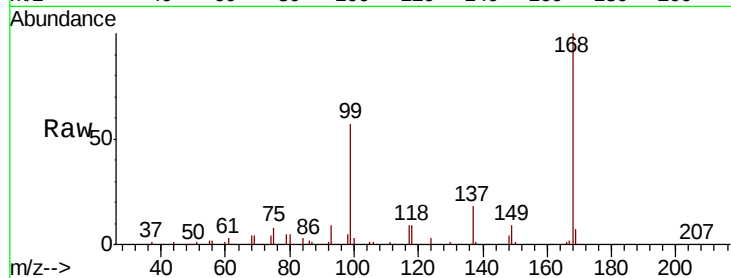
Tot Ion: 56 Resp: 3223

Ion Ratio Lower Upper

56 100

69 175.6 26.8 40.2#

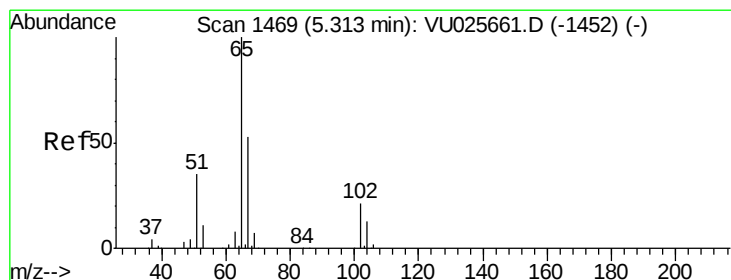
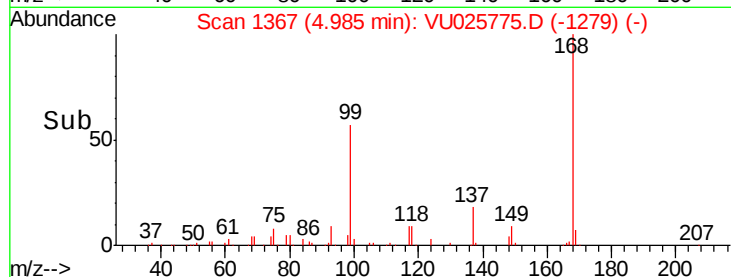
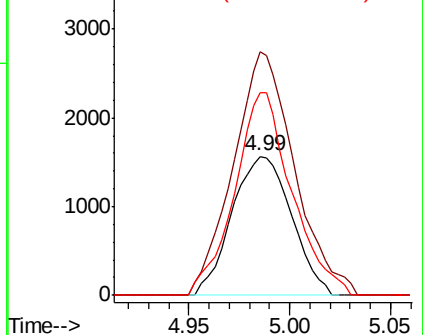
84 146.5 69.7 104.5#



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: 51.20 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025775.D

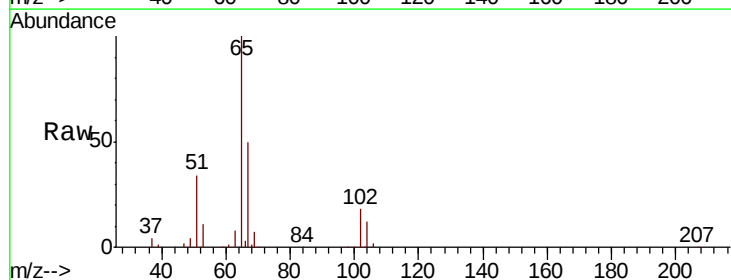
Acq: 01 Aug 2018 14:27

Tgt Ion: 65 Resp: 141379

Ion Ratio Lower Upper

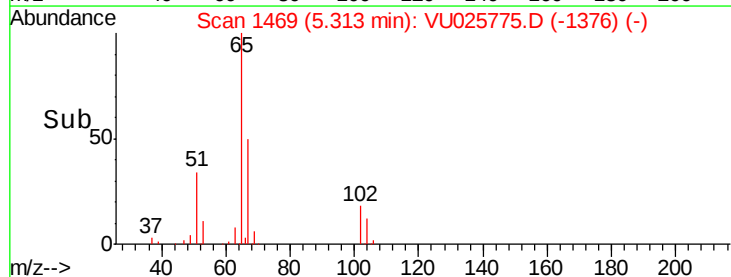
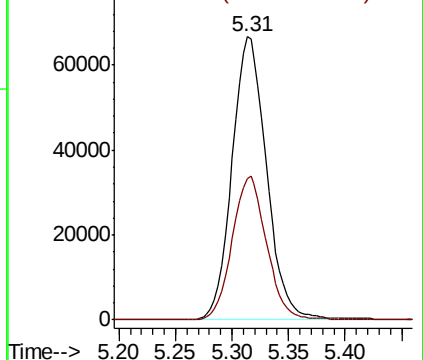
65 100

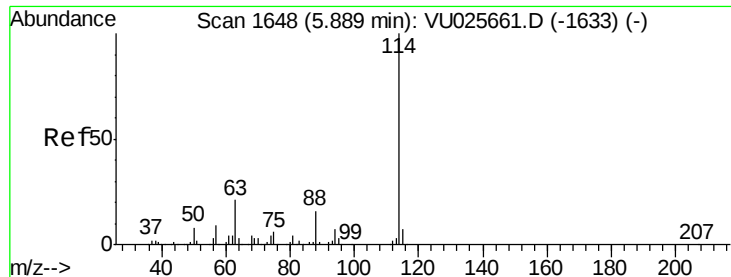
67 50.9 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

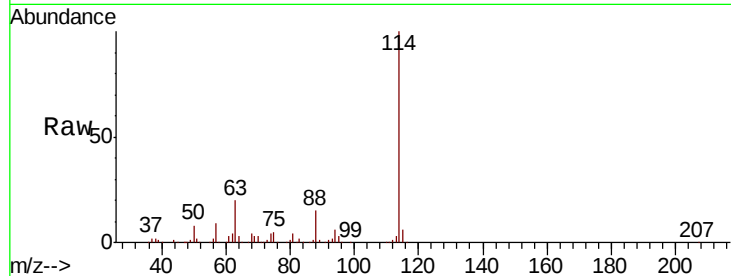




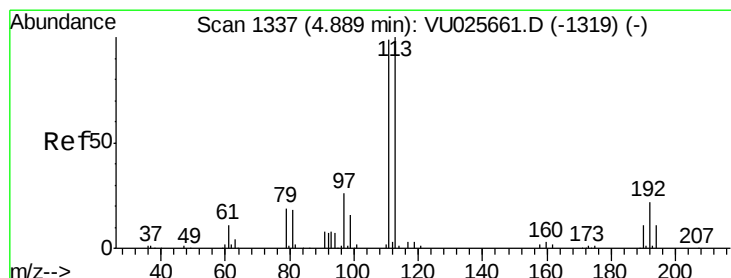
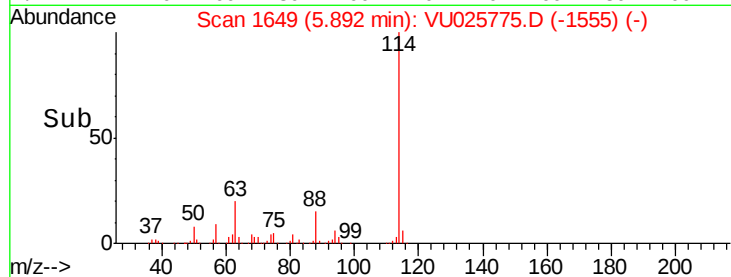
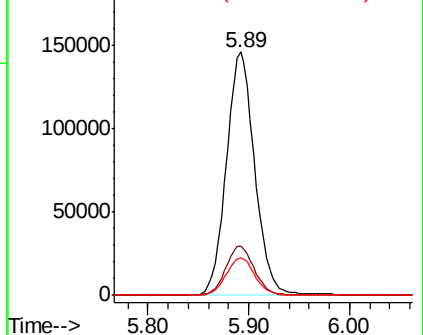
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025775.D
 Acq: 01 Aug 2018 14:27

Instrument :
 MSVOA_U
 ClientSampleId :
 FB-073118

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.6
88	15.5	0.0	32.4

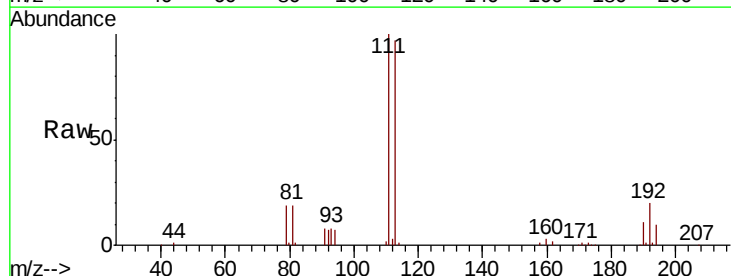


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

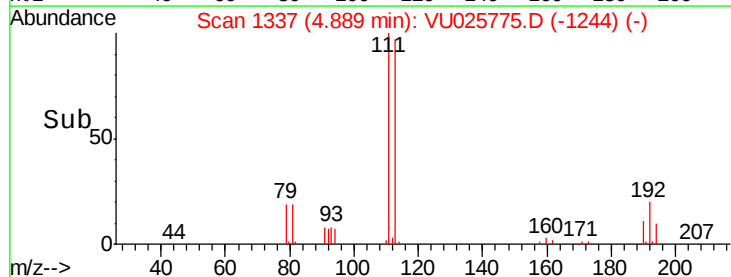
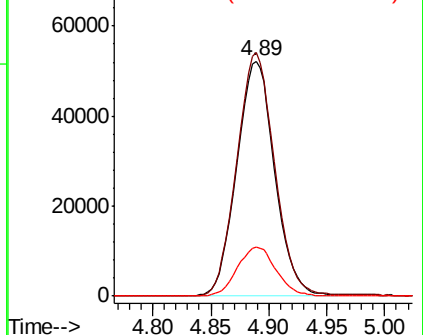


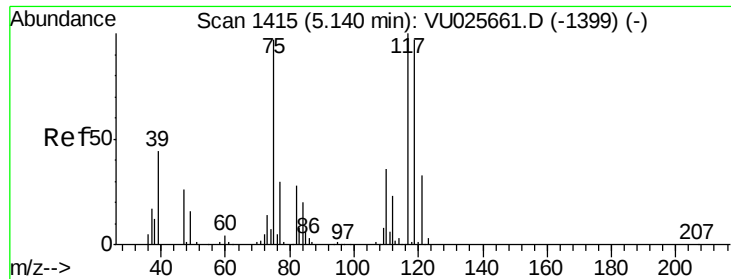
#35
 Dibromofluoromethane
 Concen: 47.64 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025775.D
 Acq: 01 Aug 2018 14:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.7	122.5
192	21.2	17.1	25.7



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

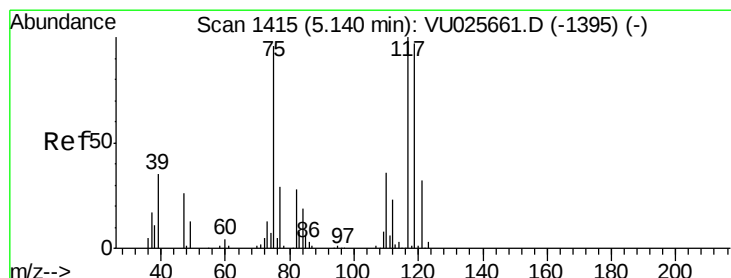
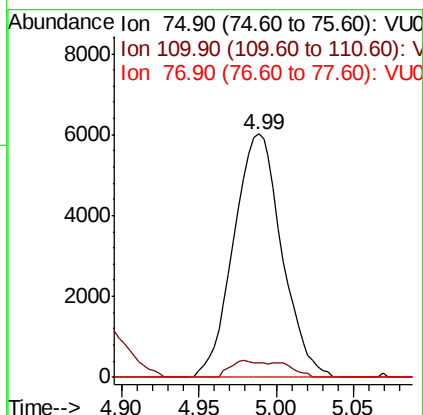
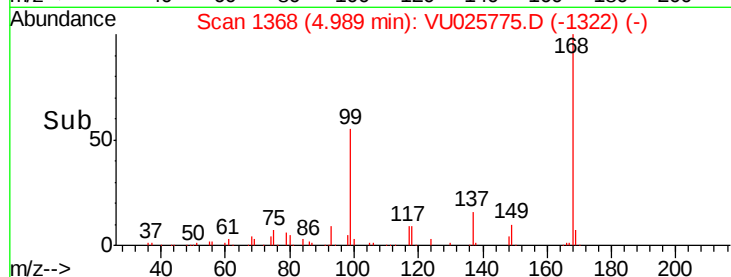
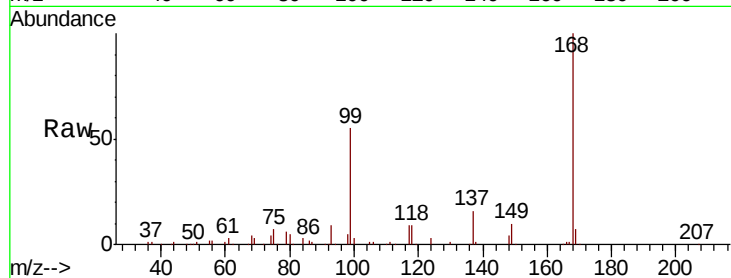




#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025775.D
 Acq: 01 Aug 2018 14:27

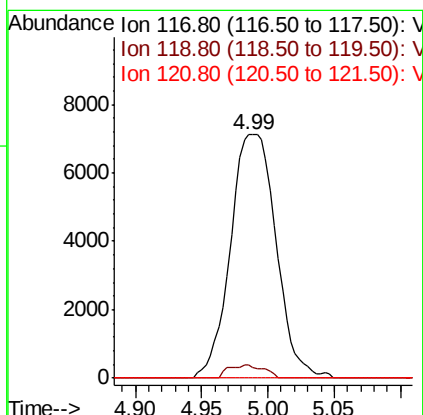
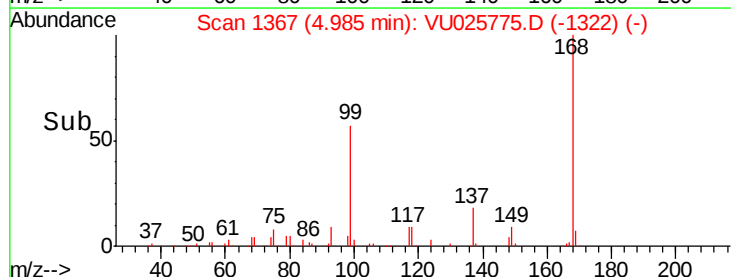
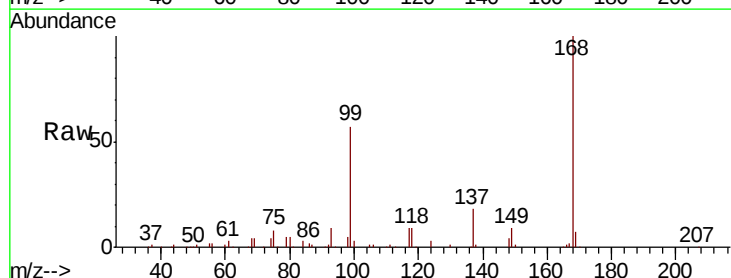
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 FB-073118

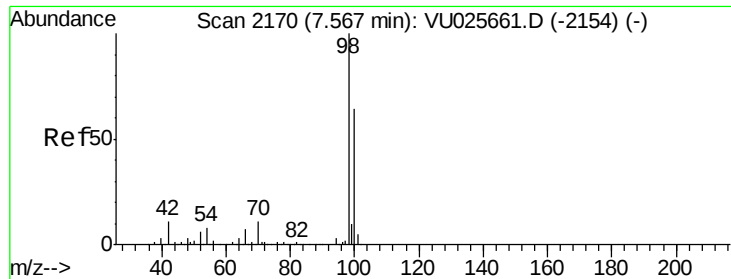
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.9	17.6	52.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.48 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025775.D
 Acq: 01 Aug 2018 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.7	113.5#
121	0.0	24.6	36.8#

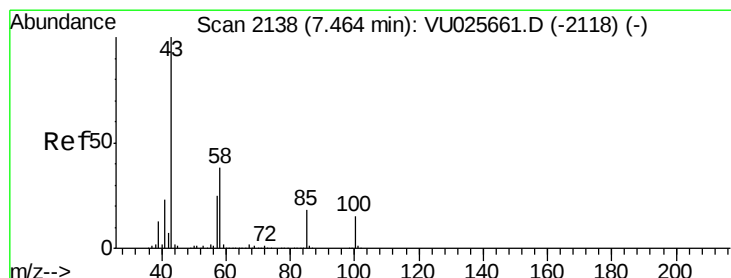
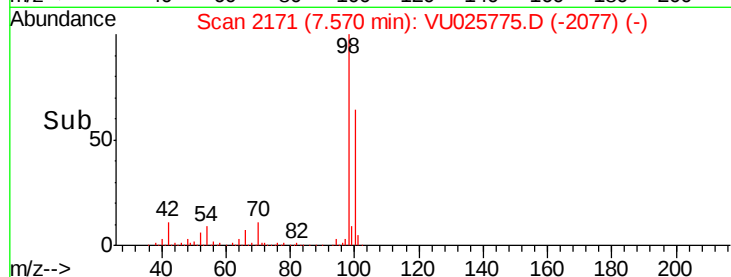
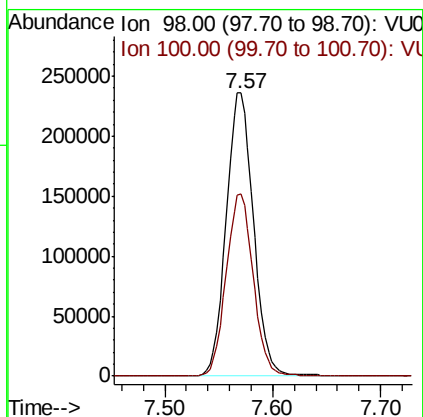
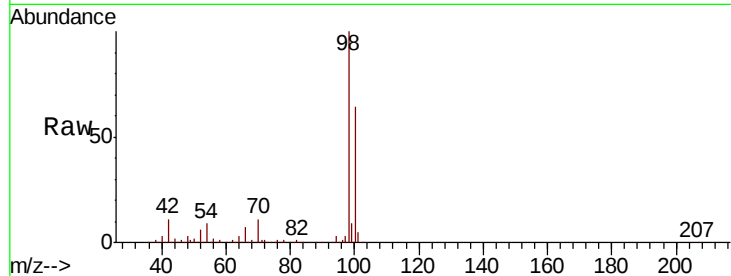




#50
Toluene-d8
Concen: 47.69 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025775.D
Acq: 01 Aug 2018 14:27

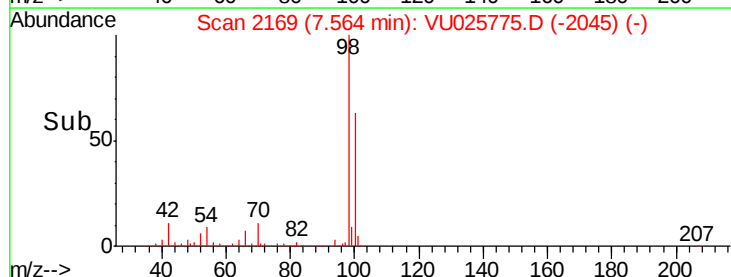
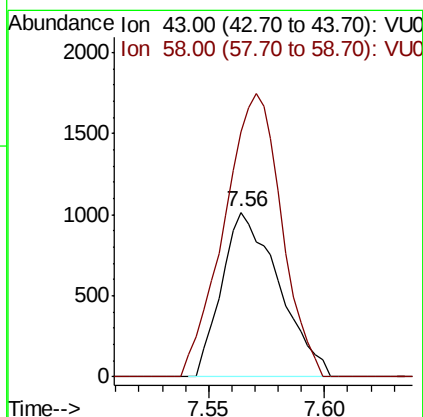
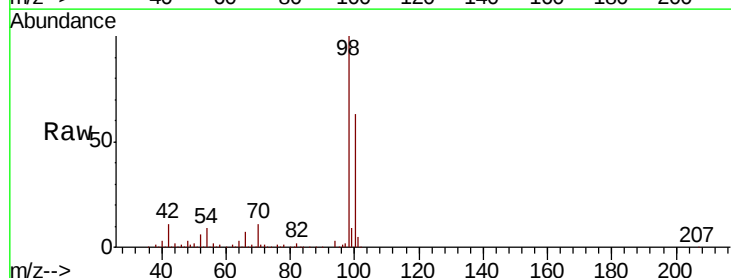
Instrument :
MSVOA_U
ClientSampleId :
FB-073118

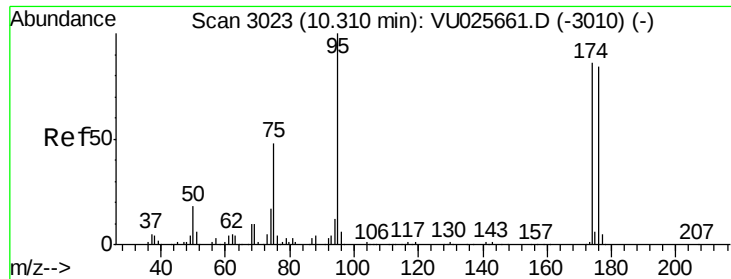
Tot Ion: 98 Resp: 416679
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.48 ug/l
RT: 7.56 min Scan# 2169
Delta R.T. 0.10 min
Lab File: VU025775.D
Acq: 01 Aug 2018 14:27

Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
58 172.0 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 47.25 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025775.D

Acq: 01 Aug 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

FB-073118

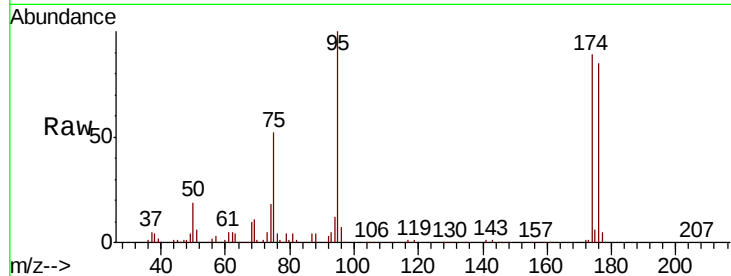
Tot Ion: 95 Resp: 160219

Ion Ratio Lower Upper

95 100

174 90.4 0.0 172.2

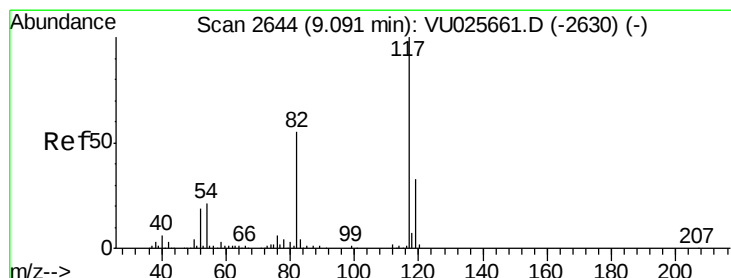
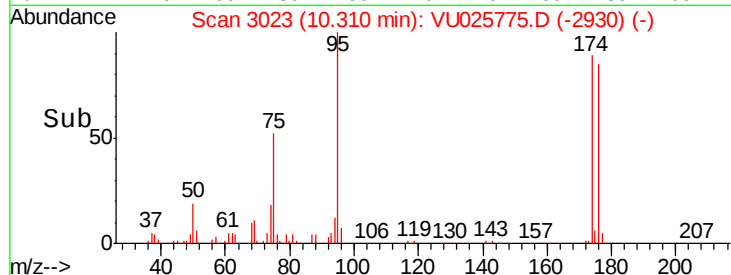
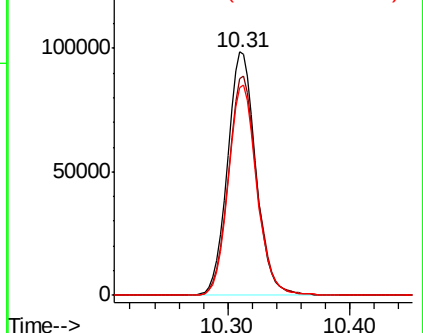
176 86.6 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025775.D

Acq: 01 Aug 2018 14:27

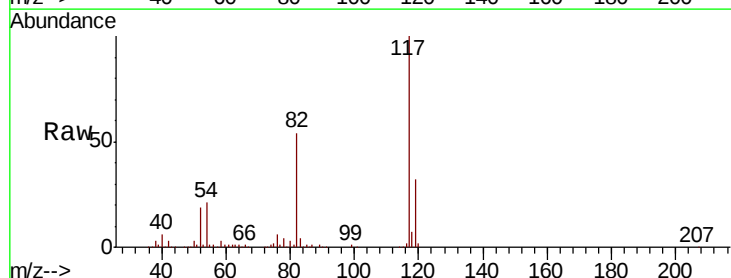
Tgt Ion: 117 Resp: 283809

Ion Ratio Lower Upper

117 100

82 54.4 46.0 69.0

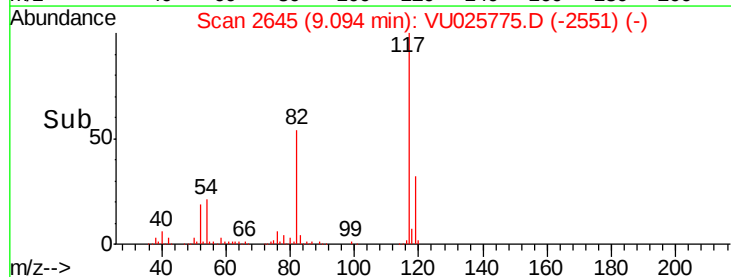
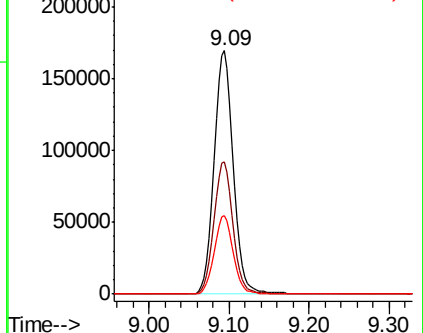
119 32.2 26.0 39.0

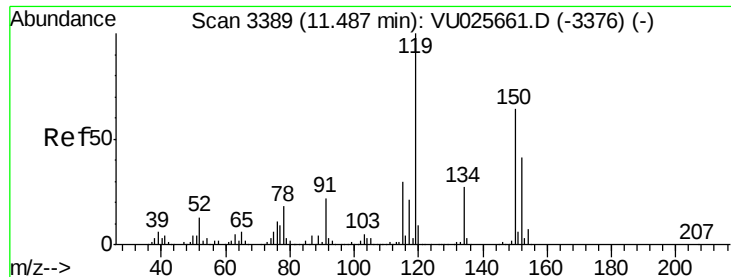


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025775.D

Acq: 01 Aug 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

FB-073118

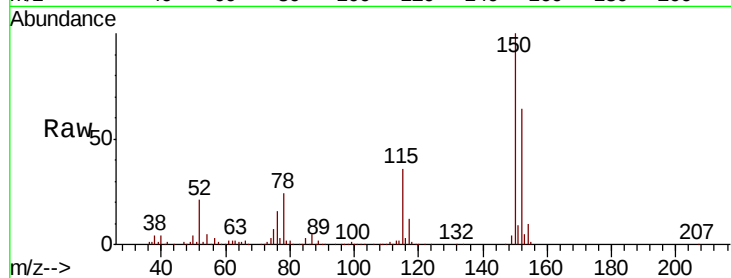
Tot Ion:152 Resp: 169464

Ion Ratio Lower Upper

152 100

115 57.1 40.1 120.3

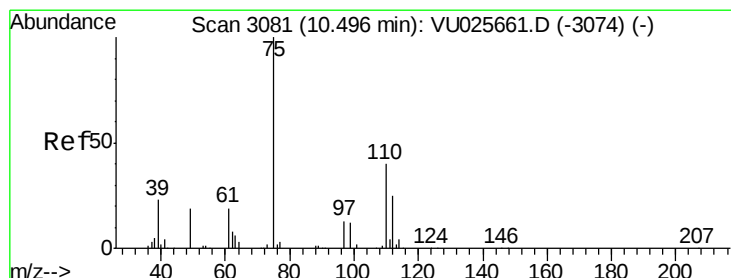
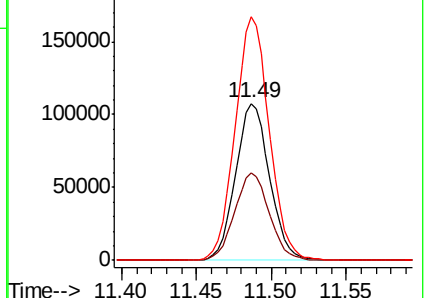
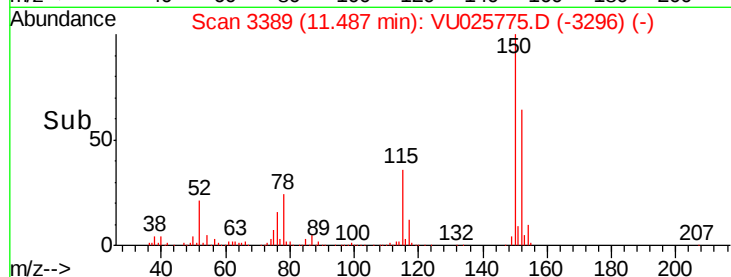
150 156.1 0.0 351.4



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: 22.55 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025775.D

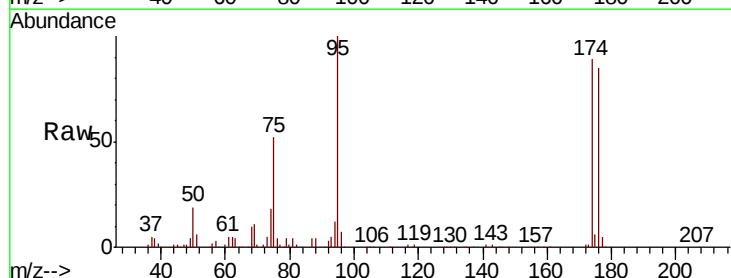
Acq: 01 Aug 2018 14:27

Tgt Ion: 75 Resp: 84195

Ion Ratio Lower Upper

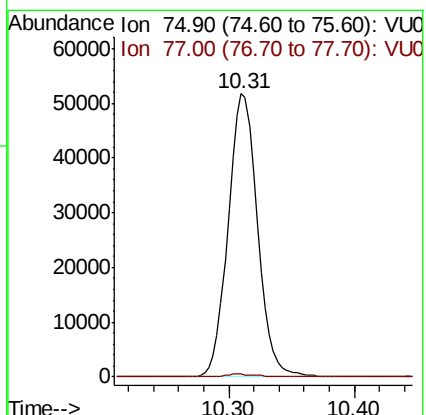
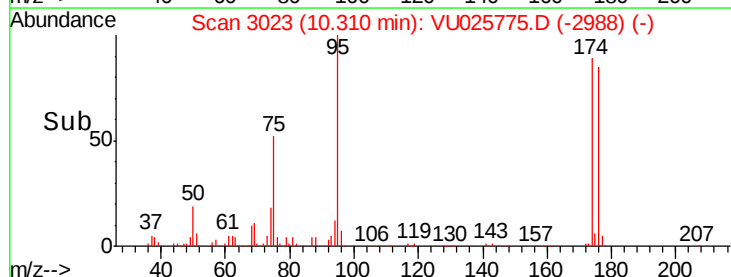
75 100

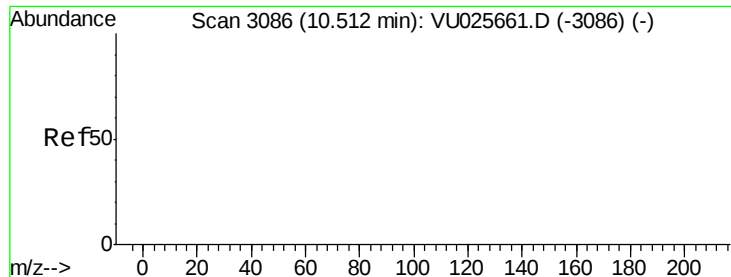
77 1.0 20.4 61.3#



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: 56.54 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025775.D

Acq: 01 Aug 2018 14:27

Instrument :

MSVOA_U

ClientSampleId :

FB-073118

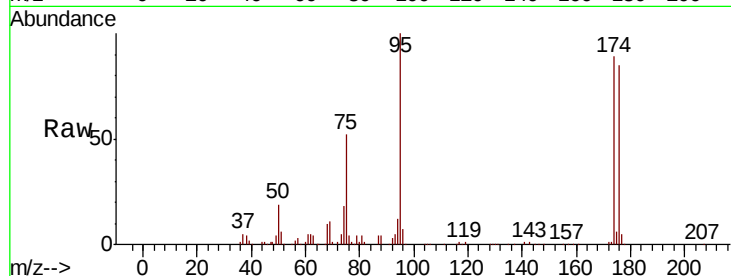
Tot Ion: 75 Resp: 84195

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

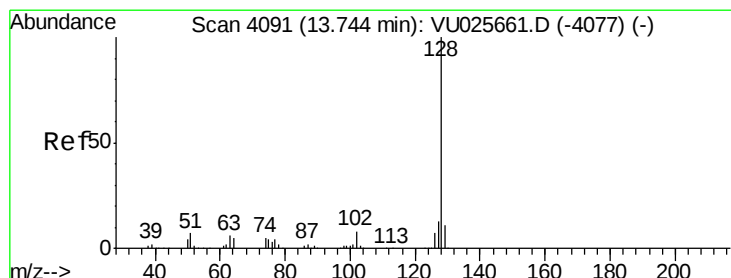
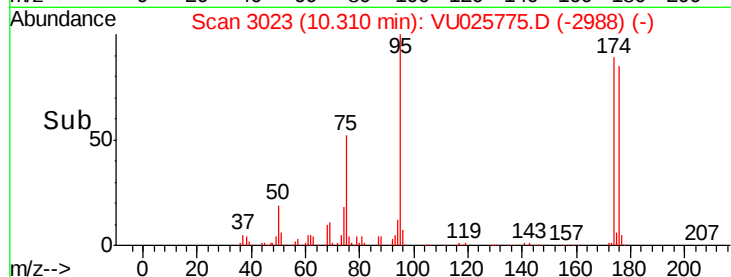
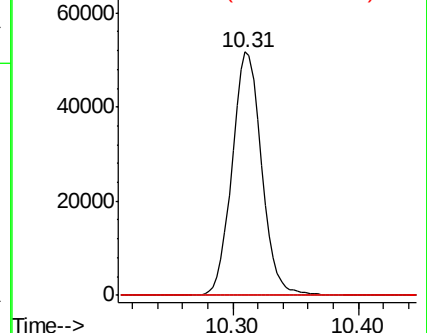
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#95

Naphthalene

Concen: 1.25 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU025775.D

Acq: 01 Aug 2018 14:27

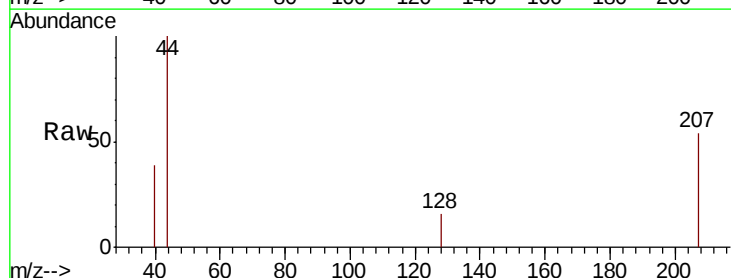
Tgt Ion: 128 Resp: 19

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.3 12.5#



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

