

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025750.D
 Acq On : 31 Jul 2018 19:41
 Operator : MD/SY
 Sample : J4226-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 STORAGE BLANK-SOILREF-5

Quant Time: Aug 01 05:30:27 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	191043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304005	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	299486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	181617	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	147055	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	4.89	113	123608	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	7.57	98	444505	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	10.31	95	172860	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	

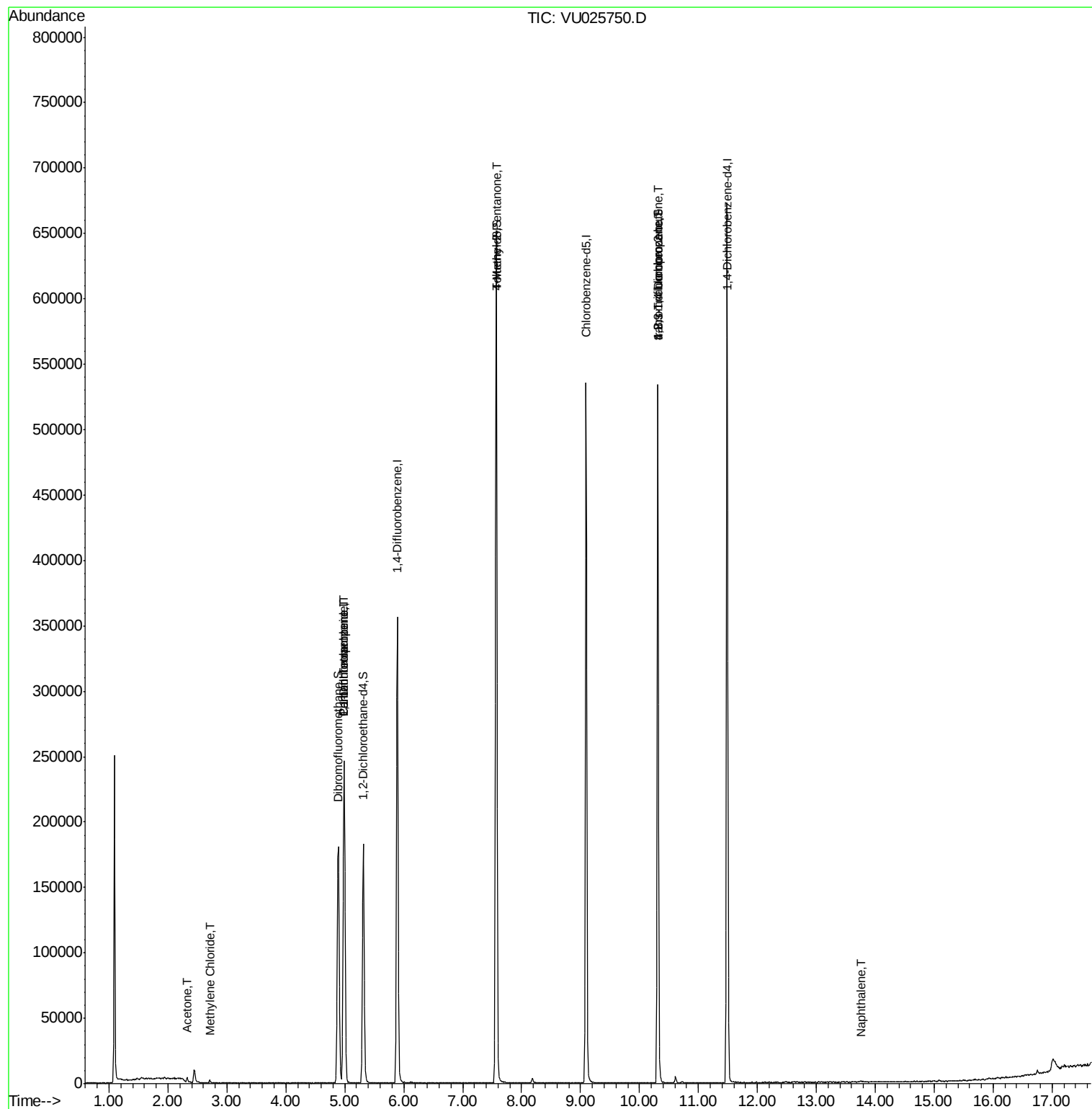
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.24	56	76	Below Cal	#	12
16) Acetone	2.32	43	3276	2.26	ug/l #	89
20) Methylene Chloride	2.70	84	785	0.31	ug/l #	77
31) Cyclohexane	4.98	56	3420	Below Cal	#	8
36) 1,1-Dichloropropene	4.99	75	14307	4.03	ug/l #	45
38) Carbon Tetrachloride	4.99	117	18707	4.65	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	1979	0.52	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	88729	22.17	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	88729	55.60	ug/l #	100
95) Naphthalene	13.76	128	2108	1.40	ug/l #	80

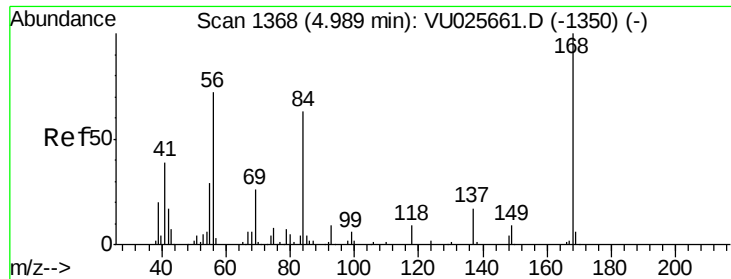
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

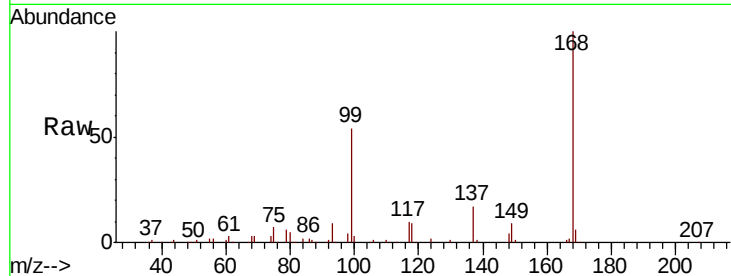
STORAGEBLANK-SOILREF-5

Tot Ion:168 Resp: 191043

Ion Ratio Lower Upper

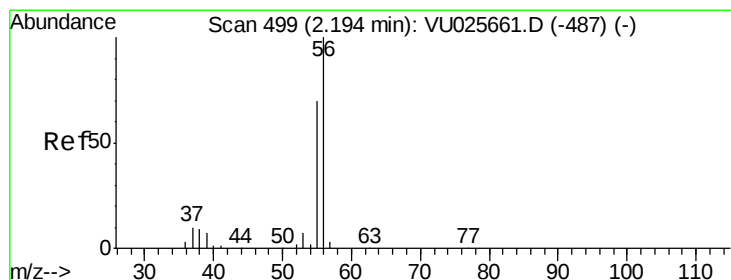
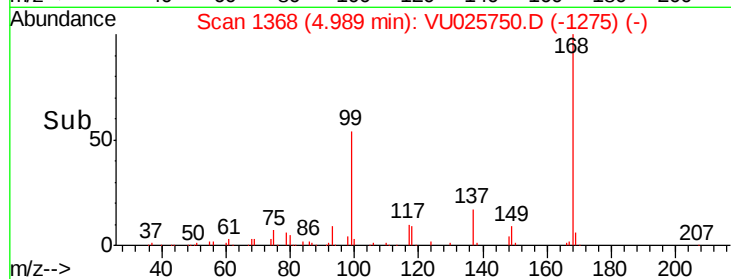
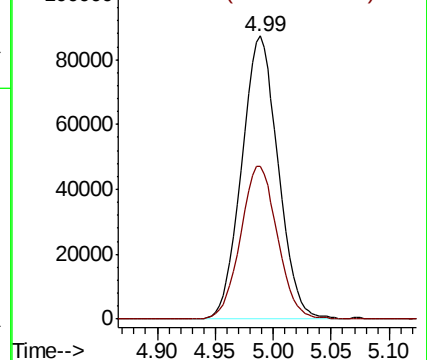
168 100

99 53.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025750.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025750.D (-1275) (-)



#13

Acrolein

Concen: Below Cal

RT: 2.24 min Scan# 513

Delta R.T. 0.05 min

Lab File: VU025750.D

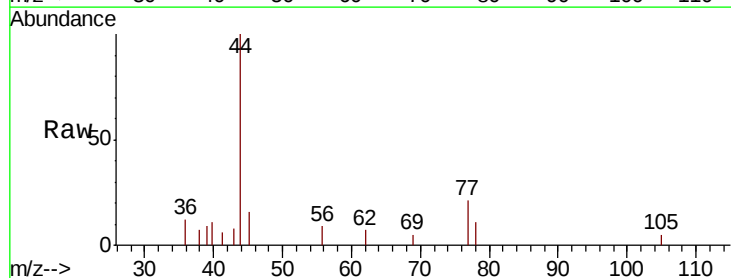
Acq: 31 Jul 2018 19:41

Tgt Ion: 56 Resp: 76

Ion Ratio Lower Upper

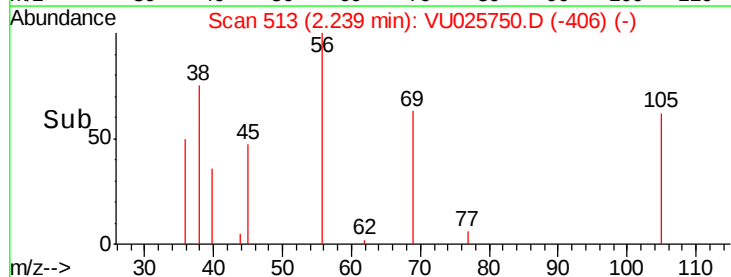
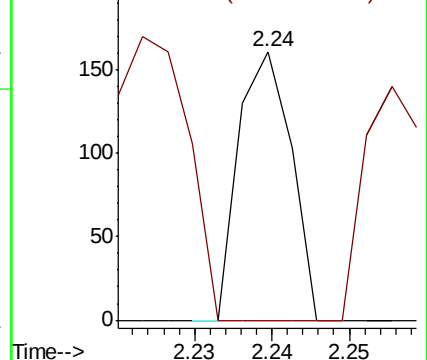
56 100

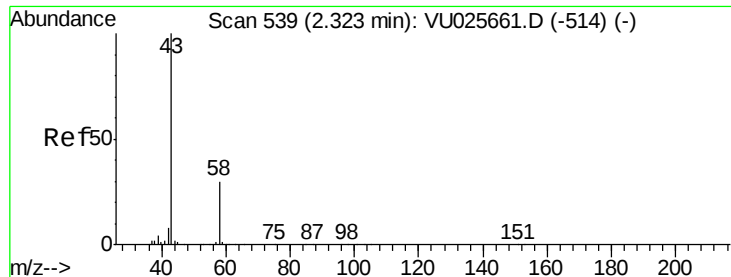
55 144.7 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU025750.D (-406) (-)

Ion 55.00 (54.70 to 55.70): VU025750.D (-406) (-)





#16

Acetone

Concen: 2.26 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

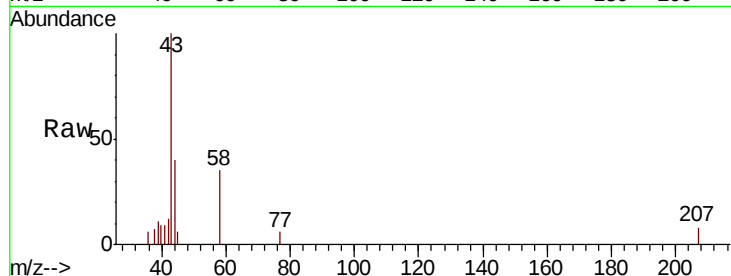
STORAGEBLANK-SOILREF-5

Tot Ion: 43 Resp: 3276

Ion Ratio Lower Upper

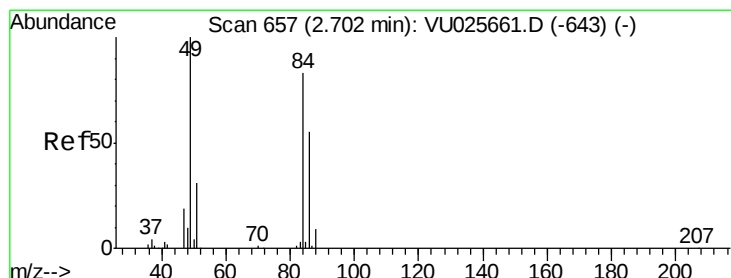
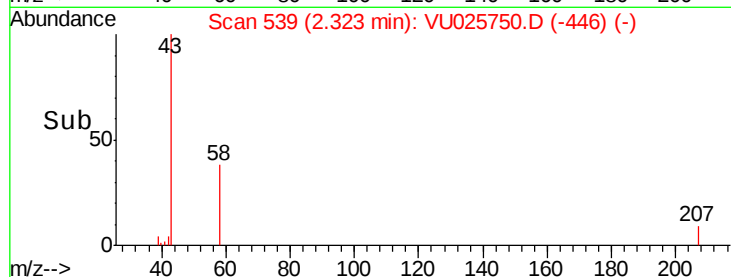
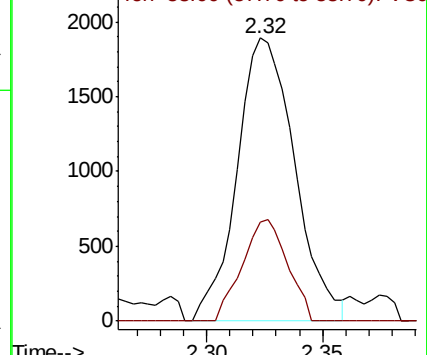
43 100

58 34.9 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-514) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-514) (-)



#20

Methylene Chloride

Concen: 0.31 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

Tgt Ion: 84 Resp: 785

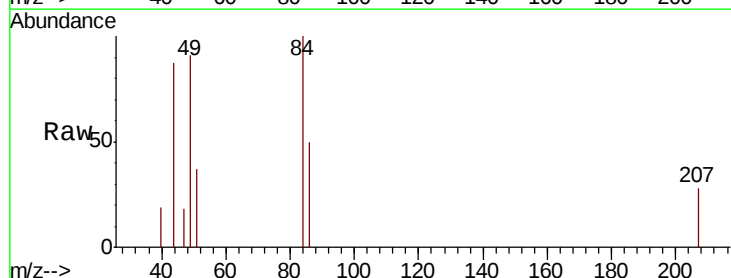
Ion Ratio Lower Upper

84 100

49 90.8 101.8 152.6#

51 36.6 30.8 46.2

86 50.3 51.9 77.9#

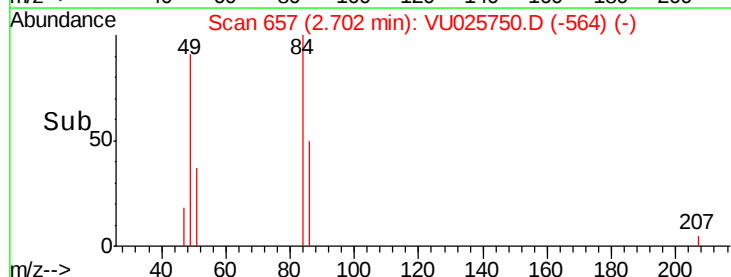
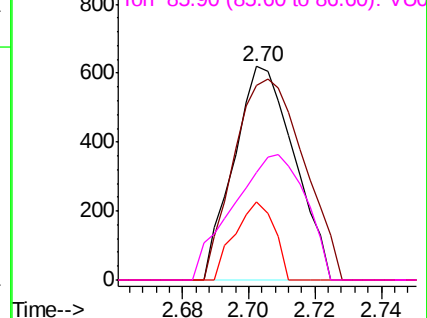


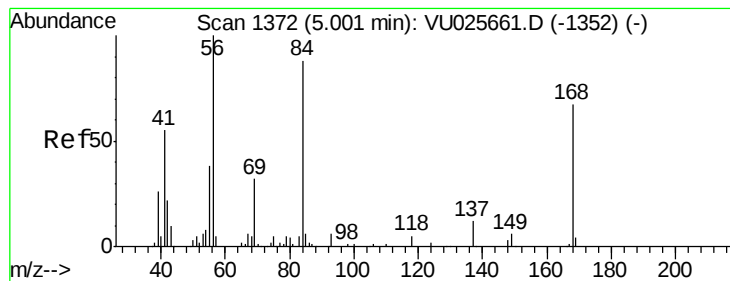
Abundance Ion 83.90 (83.60 to 84.60): VU025661.D (-643) (-)

Ion 48.90 (48.60 to 49.60): VU025661.D (-643) (-)

Ion 50.90 (50.60 to 51.60): VU025661.D (-643) (-)

Ion 85.90 (85.60 to 86.60): VU025661.D (-643) (-)





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

STORAGEBLANK-SOILREF-5

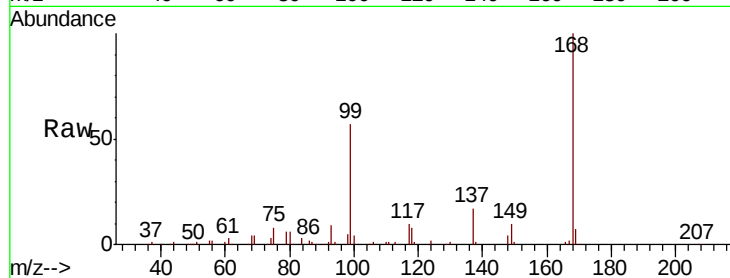
Tot Ion: 56 Resp: 3420

Ion Ratio Lower Upper

56 100

69 162.5 26.8 40.2#

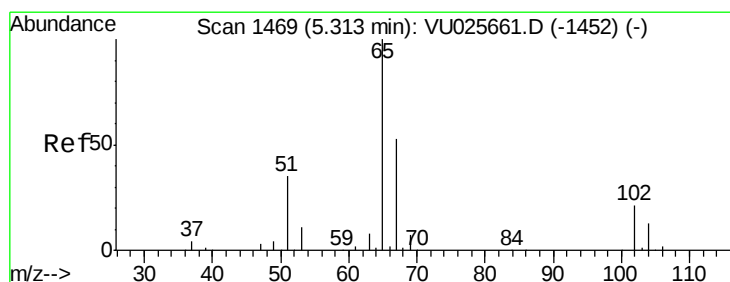
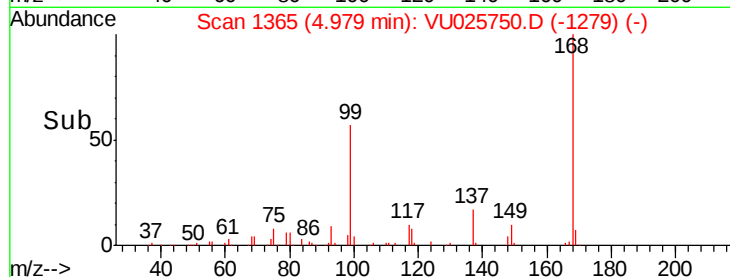
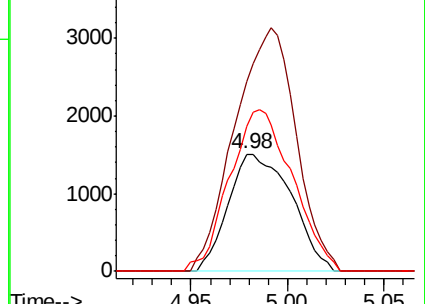
84 124.3 69.7 104.5#



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: 49.40 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025750.D

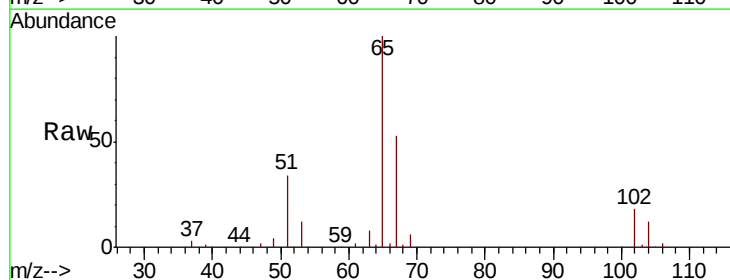
Acq: 31 Jul 2018 19:41

Tgt Ion: 65 Resp: 147055

Ion Ratio Lower Upper

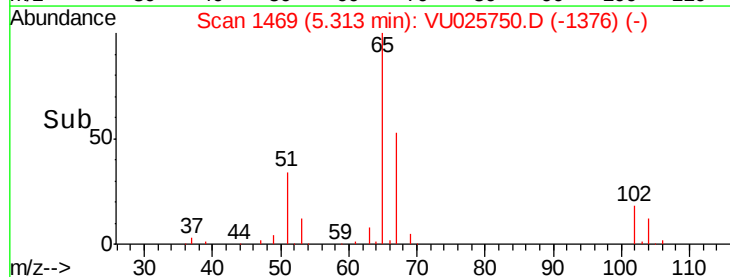
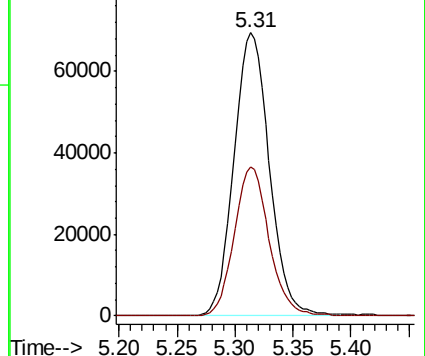
65 100

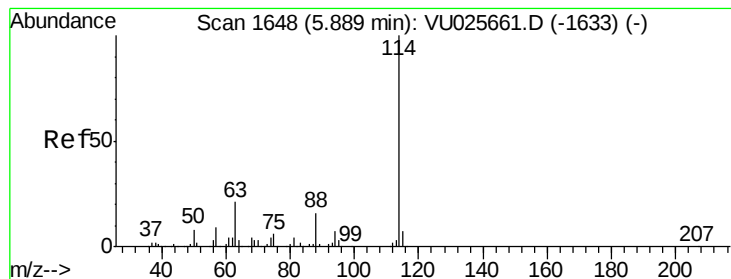
67 51.9 0.0 103.6



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# 1648

Delta R.T. 0.00 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

STORAGEBLANK-SOILREF-5

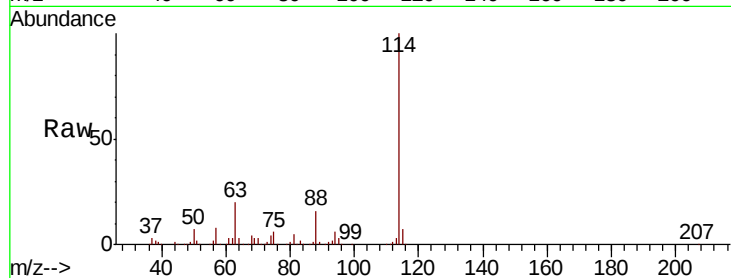
Tot Ion:114 Resp: 304005

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

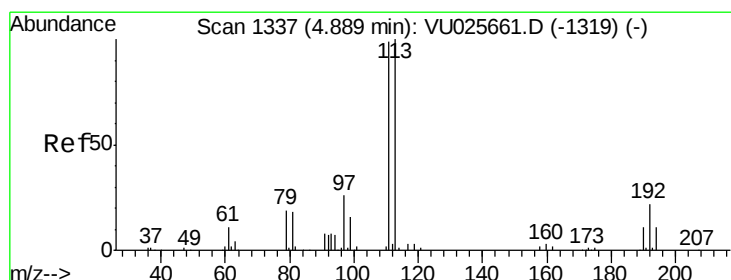
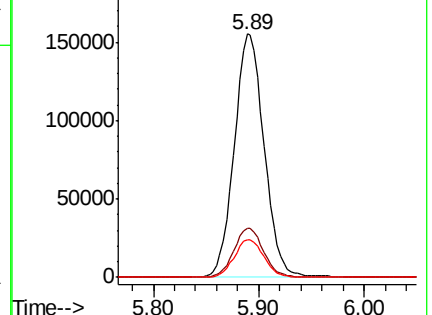
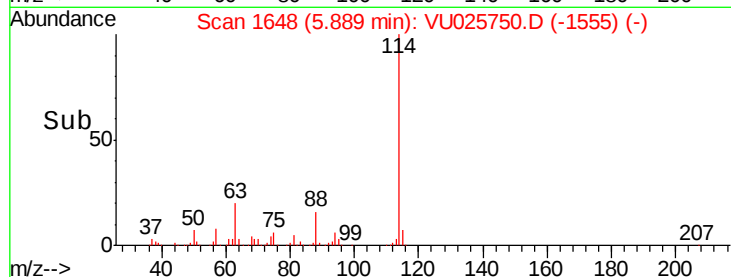
88 15.6 0.0 32.4



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: 46.75 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

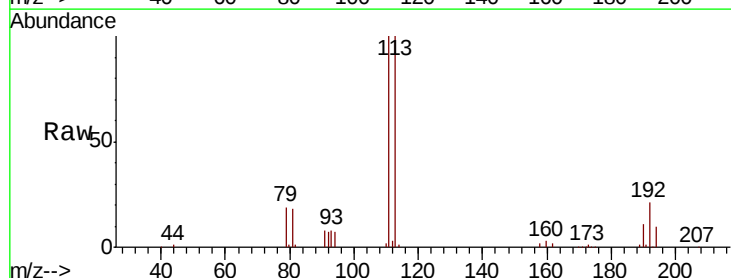
Tgt Ion:113 Resp: 123608

Ion Ratio Lower Upper

113 100

111 101.6 81.7 122.5

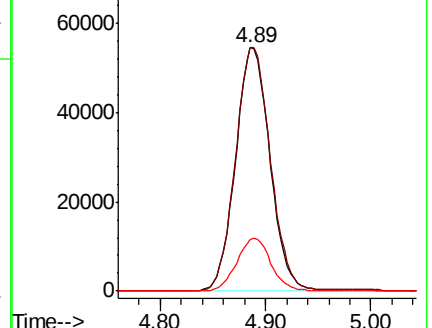
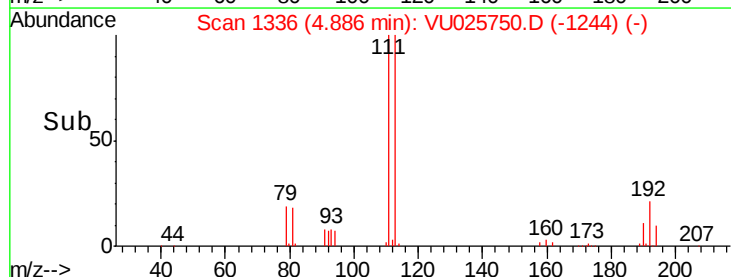
192 21.6 17.1 25.7

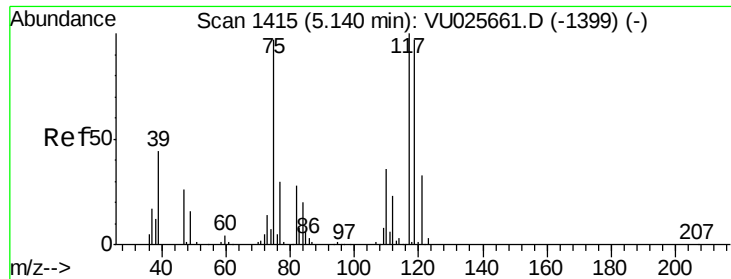


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.03 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

STORAGEBLANK-SOILREF-5

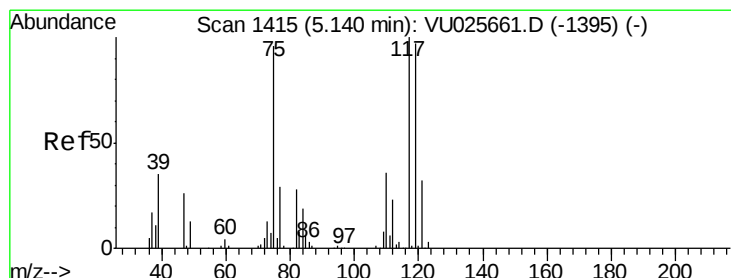
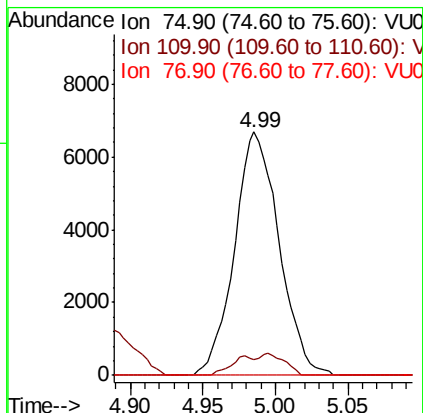
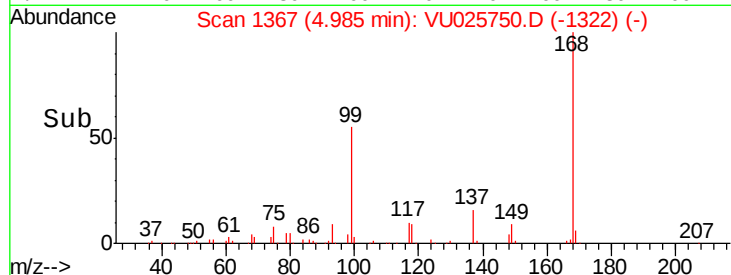
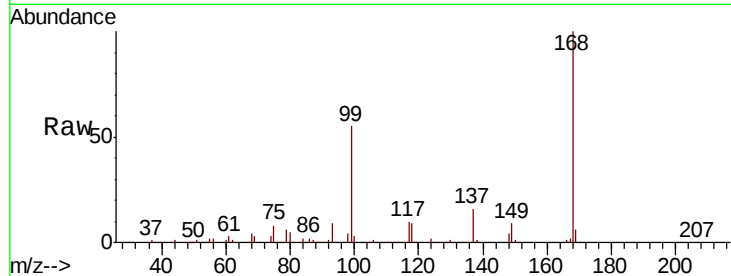
Tot Ion: 75 Resp: 14307

Ion Ratio Lower Upper

75 100

110 4.1 17.6 52.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.65 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

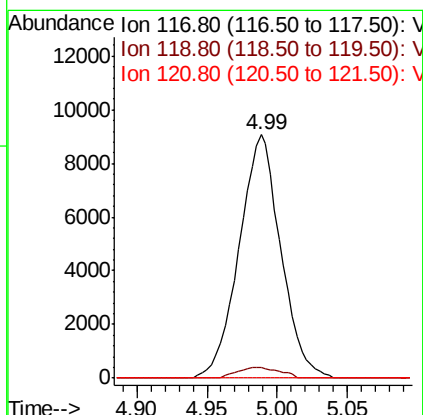
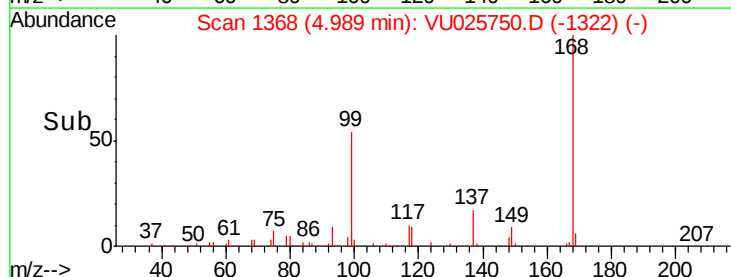
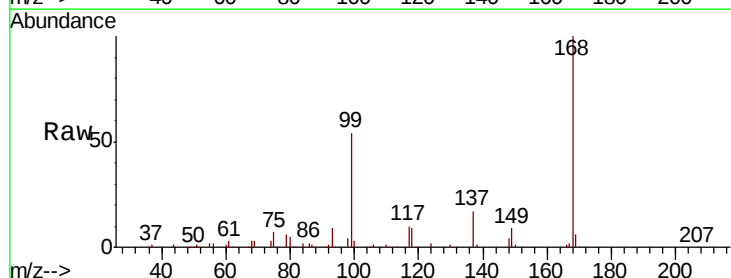
Tgt Ion: 117 Resp: 18707

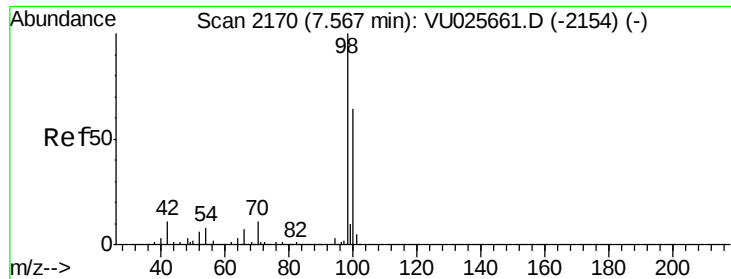
Ion Ratio Lower Upper

117 100

119 4.2 75.7 113.5#

121 0.0 24.6 36.8#

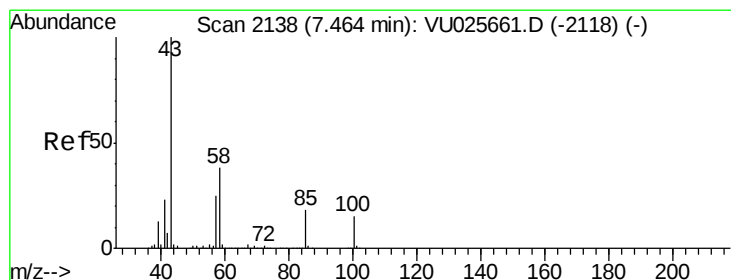
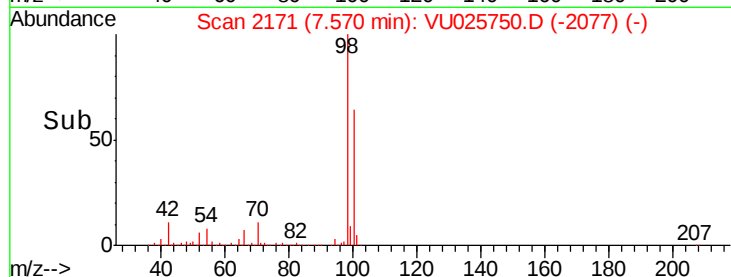
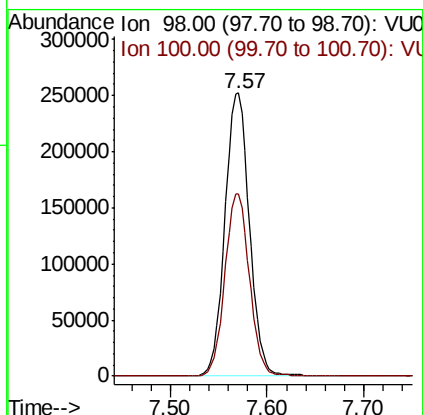
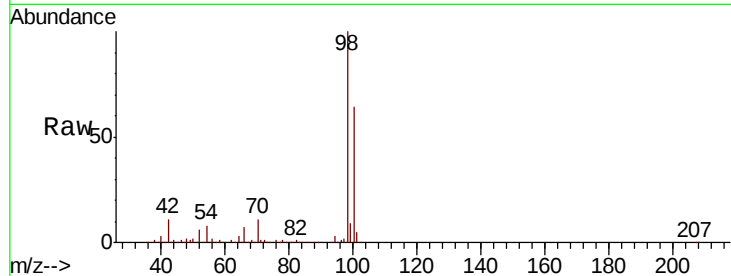




#50
Toluene-d8
Concen: 48.04 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025750.D
Acq: 31 Jul 2018 19:41

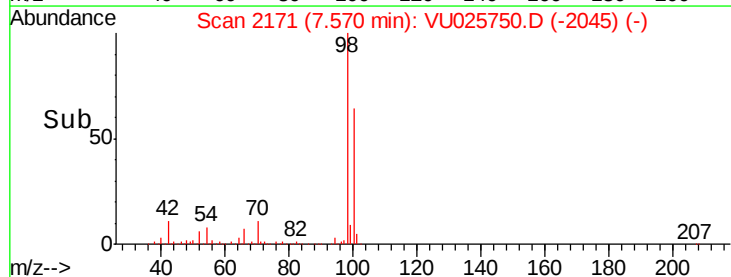
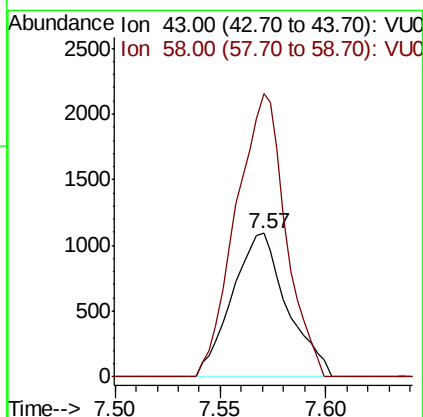
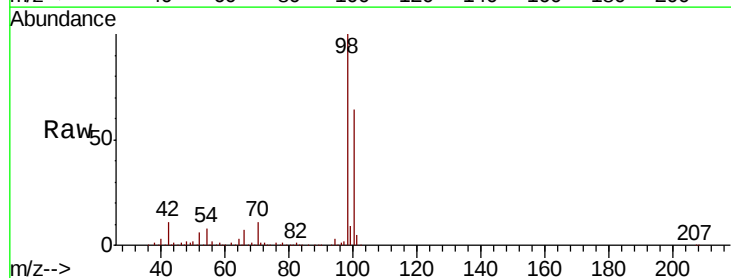
Instrument :
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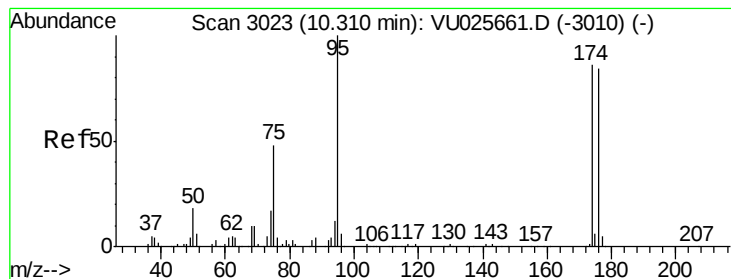
Tot Ion: 98 Resp: 444505
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.11 min
Lab File: VU025750.D
Acq: 31 Jul 2018 19:41

Tgt Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
58 178.7 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 48.13 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

STORAGEBLANK-SOILREF-5

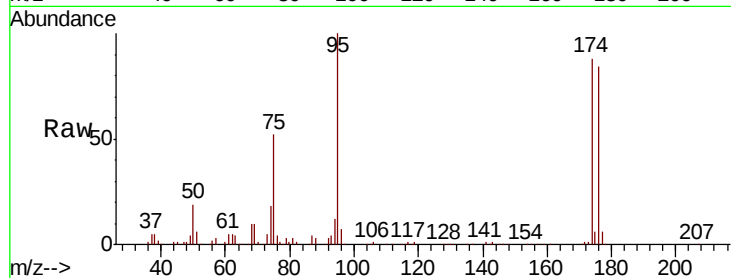
Tot Ion: 95 Resp: 172860

Ion Ratio Lower Upper

95 100

174 87.6 0.0 172.2

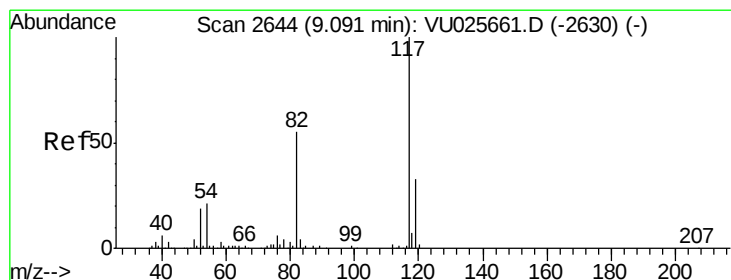
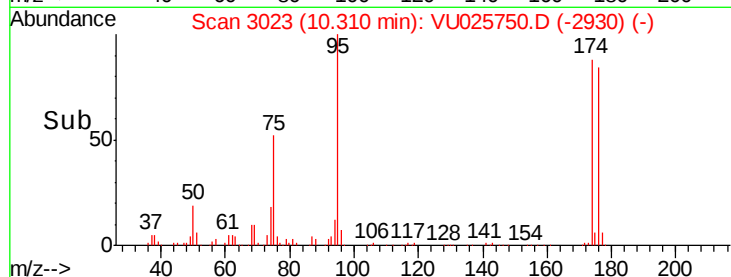
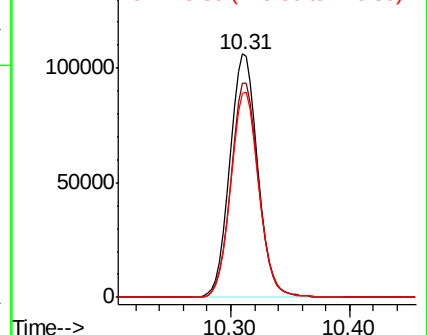
176 84.4 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025661.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025661.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025661.D (-3010) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

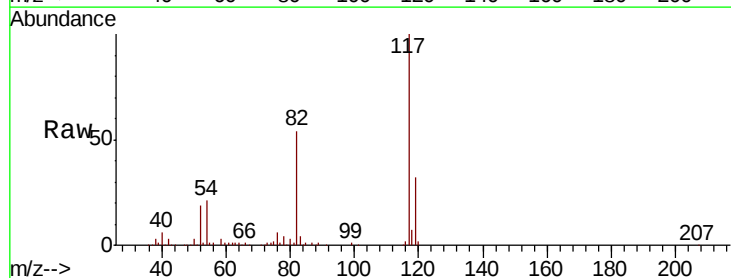
Tgt Ion: 117 Resp: 299486

Ion Ratio Lower Upper

117 100

82 53.8 46.0 69.0

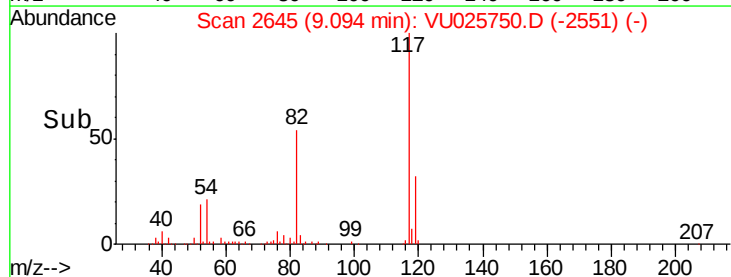
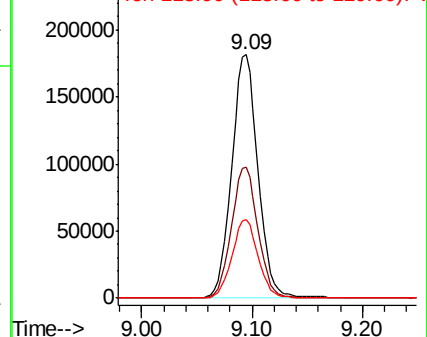
119 32.3 26.0 39.0

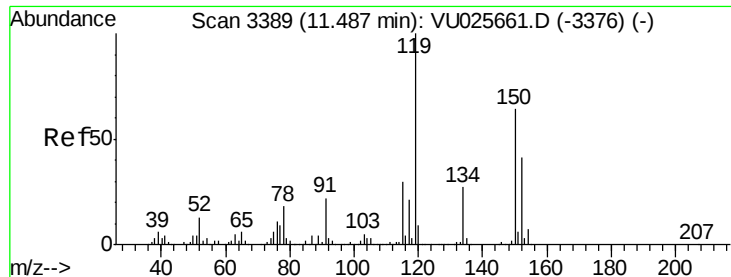


Abundance Ion 116.90 (116.60 to 117.60): VU025661.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU025661.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU025661.D (-2630) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025750.D

Acq: 31 Jul 2018 19:41

Instrument :

MSVOA_U

ClientSampleId :

STORAGEBLANK-SOILREF-5

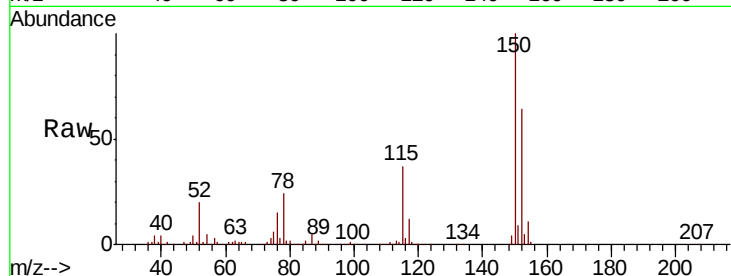
Tot Ion:152 Resp: 181617

Ion Ratio Lower Upper

152 100

115 57.1 40.1 120.3

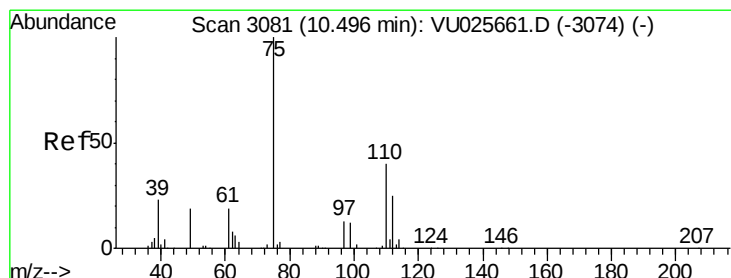
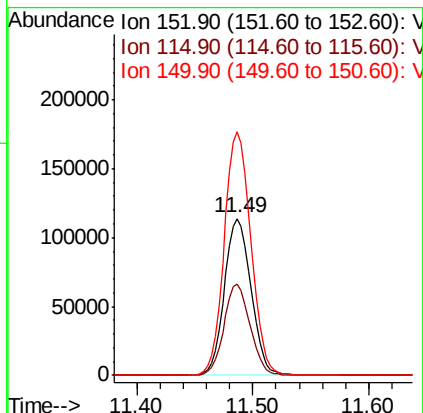
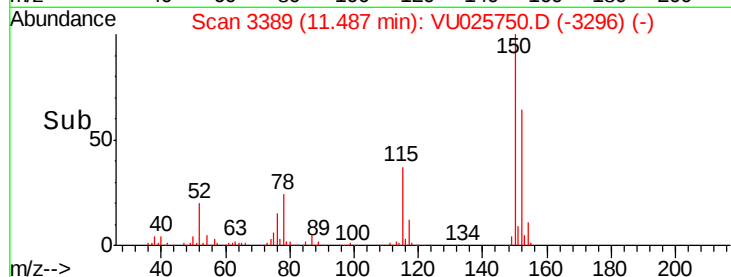
150 155.4 0.0 351.4



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: 22.17 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025750.D

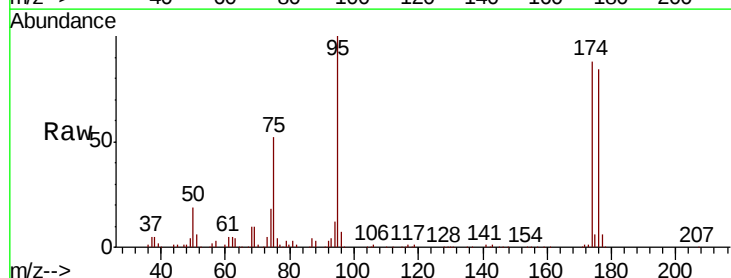
Acq: 31 Jul 2018 19:41

Tgt Ion: 75 Resp: 88729

Ion Ratio Lower Upper

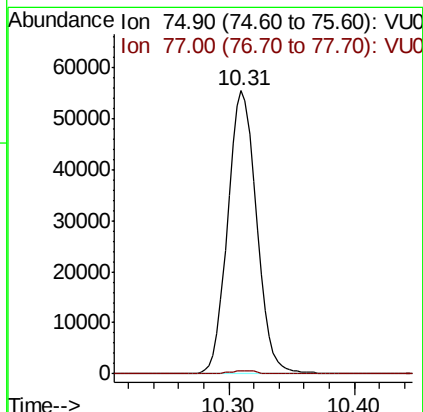
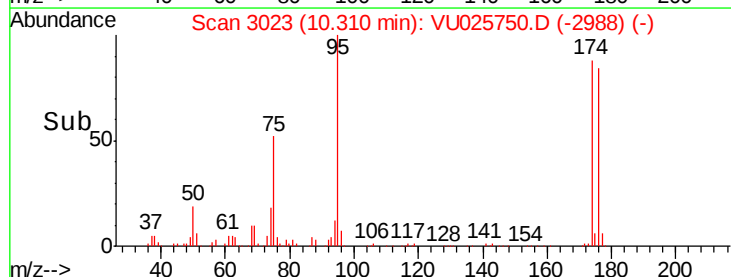
75 100

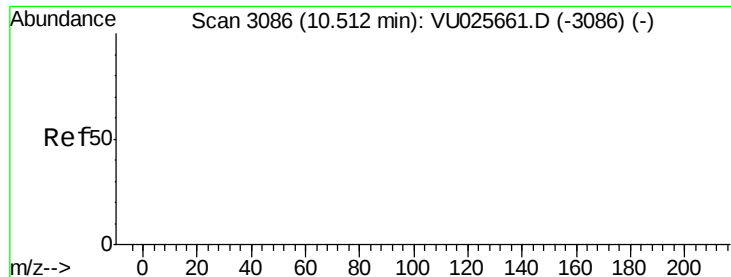
77 1.1 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

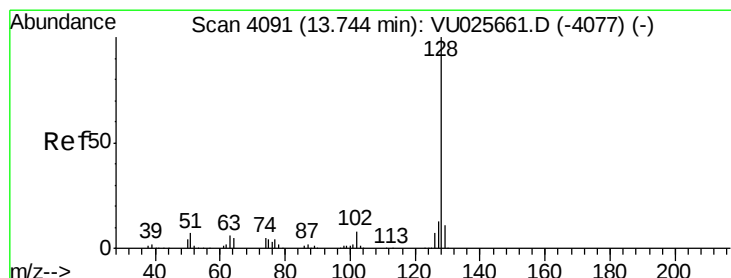
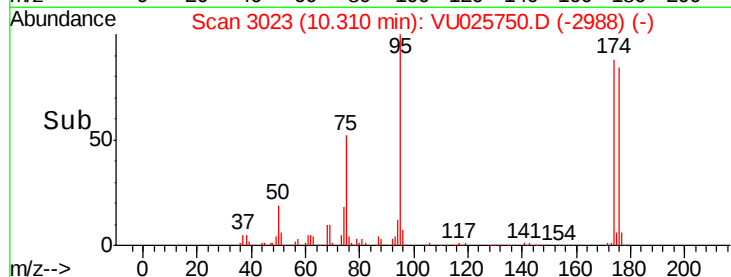
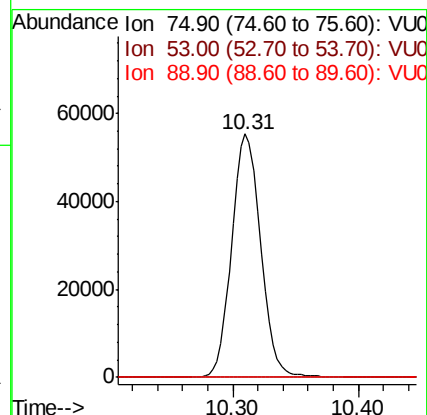
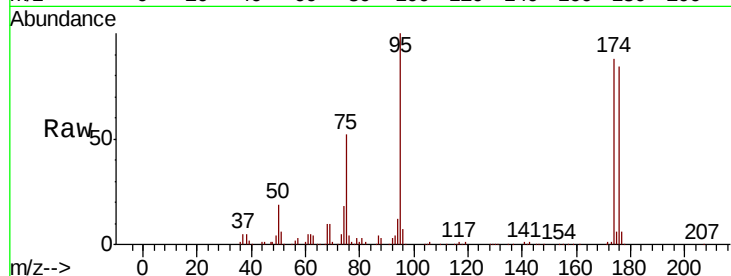




#81
trans-1,4-Dichloro-2-butene
Concen: 55.60 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU025750.D
Acq: 31 Jul 2018 19:41

Instrument :
MSVOA_U
ClientSampleId :
STORAGEBLANK-SOILREF-5

Tot Ion: 75 Resp: 88729
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 1.40 ug/l
RT: 13.76 min Scan# 4095
Delta R.T. 0.01 min
Lab File: VU025750.D
Acq: 31 Jul 2018 19:41

Tgt Ion:128 Resp: 2108
Ion Ratio Lower Upper
128 100
127 2.0 10.5 15.7#
129 6.9 8.3 12.5#

