

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029025.D
 Acq On : 04 Jan 2019 14:15
 Operator : MD/SY
 Sample : K1056-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Quant Time: Jan 05 03:43:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	116087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	196156	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70748	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	74959	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
35) Dibromofluoromethane	4.88	113	65456	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	7.56	98	248804	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	10.30	95	77263	42.83	ug/l	0.00
Spiked Amount			Recovery	=	85.66%	

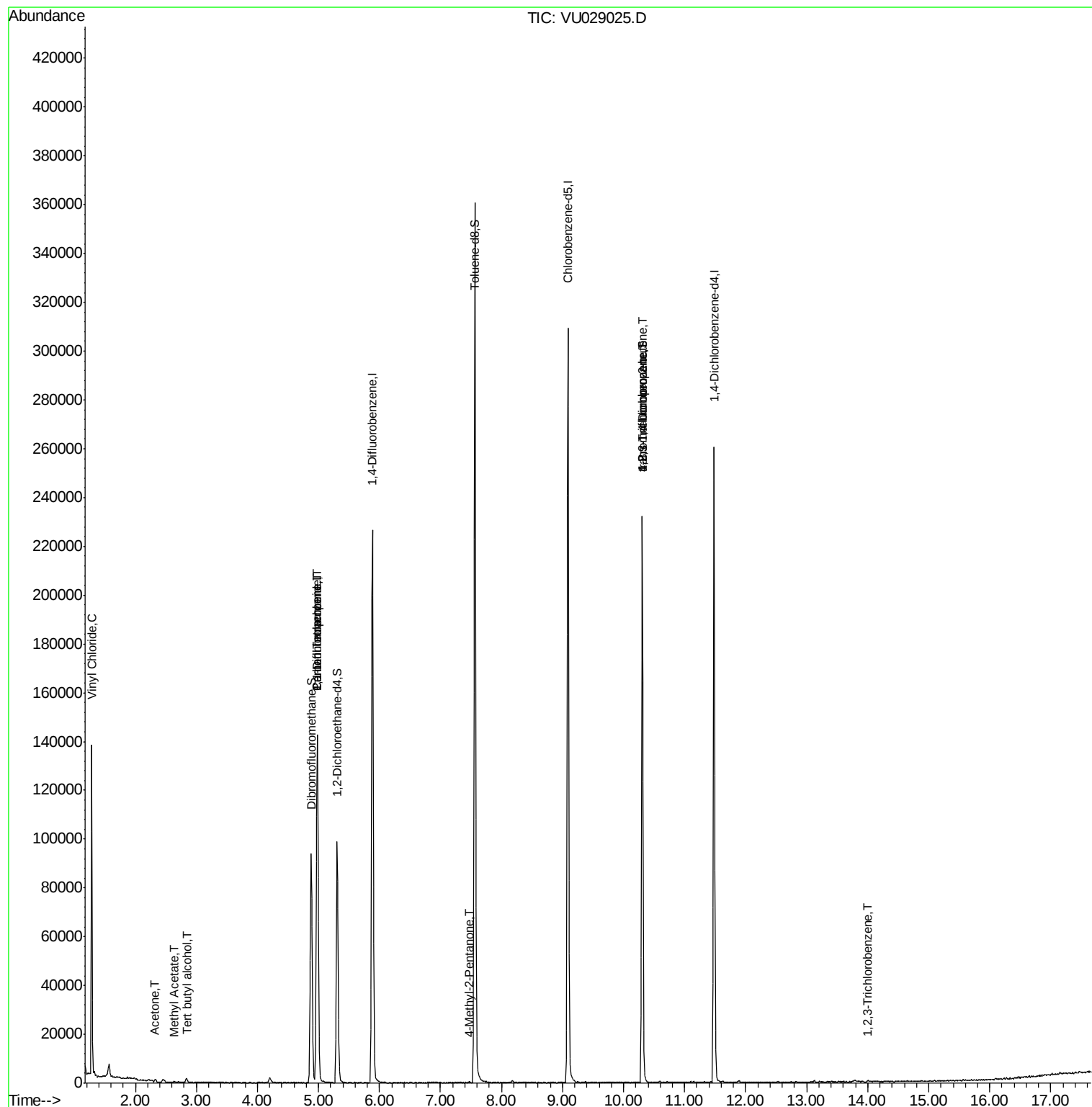
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.28	62	1134	0.668	ug/l #	42
5) Bromomethane	1.62	94	67	Below Cal	#	58
11) Tert butyl alcohol	2.84	59	1122	3.076	ug/l #	73
16) Acetone	2.32	43	964	1.066	ug/l #	82
17) Carbon Disulfide	2.48	76	807	Below Cal	#	75
18) Methyl Acetate	2.62	43	698	0.332	ug/l #	51
31) Cyclohexane	4.98	56	1999	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8409	4.289	ug/l #	46
38) Carbon Tetrachloride	4.98	117	10235	6.259	ug/l #	17
51) 4-Methyl-2-Pentanone	7.47	43	478	0.213	ug/l #	65
76) 1,2,3-Trichloropropane	10.30	75	37230	21.478	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	37230	55.392	ug/l #	100
96) 1,2,3-Trichlorobenzene	14.00	180	378	1.000	ug/l #	70

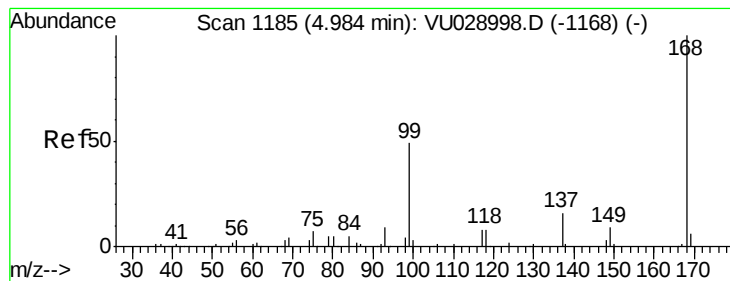
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029025.D

Acq: 04 Jan 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

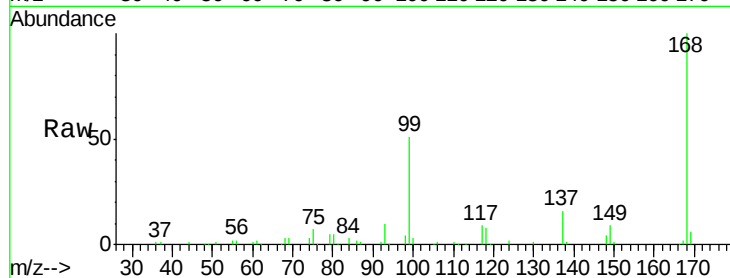
STORAGE-BLANK-SOIL-REF-6

Tot Ion:168 Resp: 116087

Ion Ratio Lower Upper

168 100

99 51.5 42.0 63.0

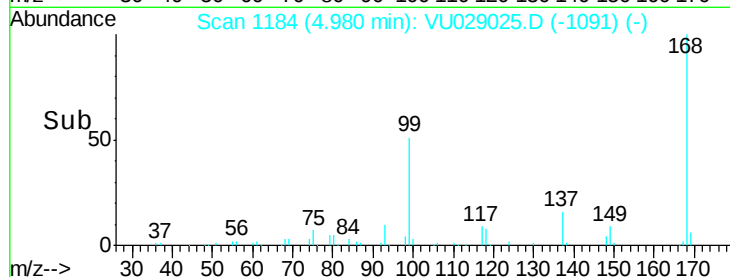


Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

Time-->



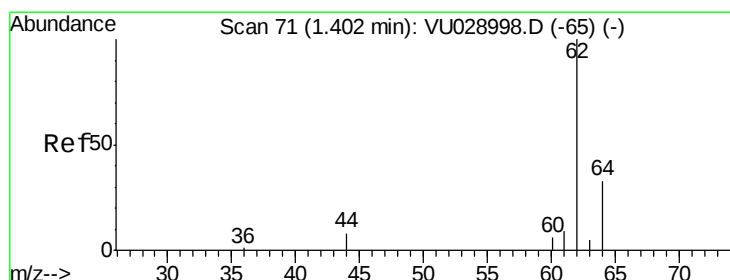
Abundance

Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

Time-->



#4

Vinyl Chloride

Concen: 0.668 ug/l

RT: 1.28 min Scan# 34

Delta R.T. -0.12 min

Lab File: VU029025.D

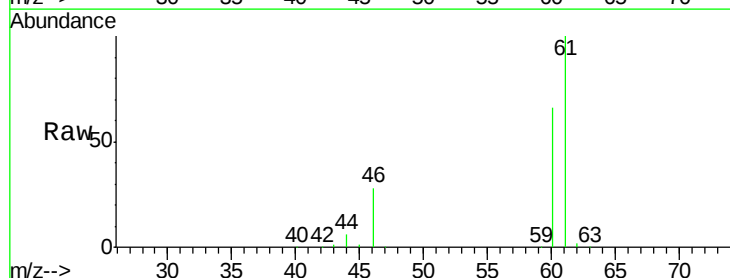
Acq: 04 Jan 2019 14:15

Tgt Ion: 62 Resp: 1134

Ion Ratio Lower Upper

62 100

64 0.0 25.9 38.9#

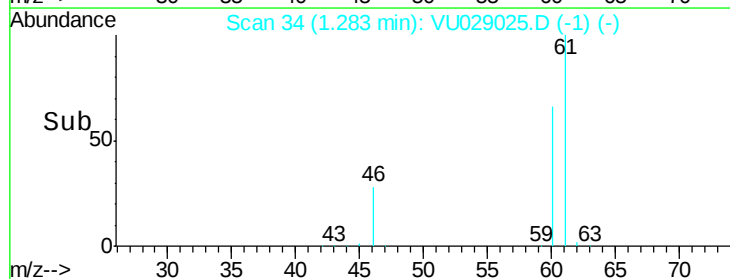


Abundance Ion 61.90 (61.60 to 62.60): VU028998.D (-65) (-)

Ion 63.90 (63.60 to 64.60): VU028998.D (-65) (-)

1.28

Time-->



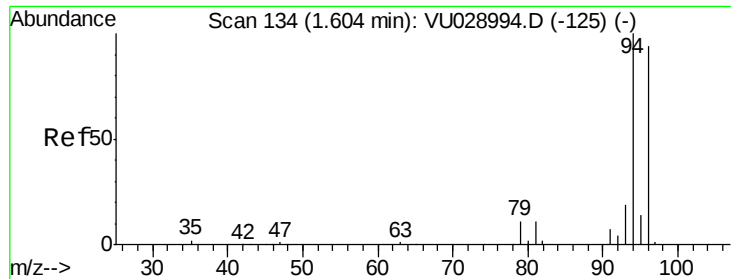
Abundance

Ion 61.90 (61.60 to 62.60): VU028998.D (-65) (-)

Ion 63.90 (63.60 to 64.60): VU028998.D (-65) (-)

1.28

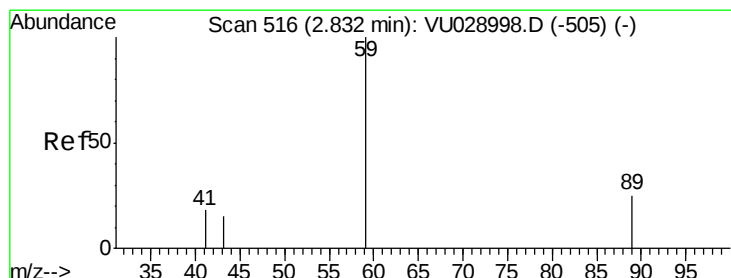
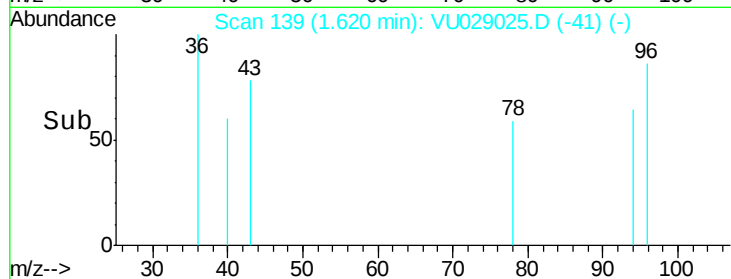
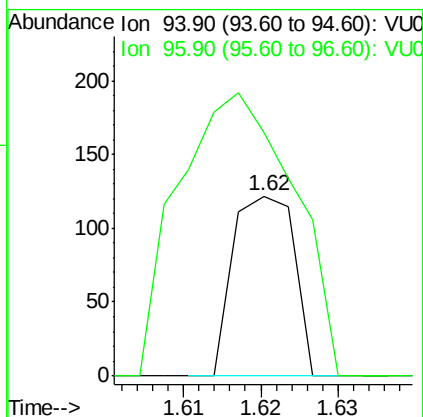
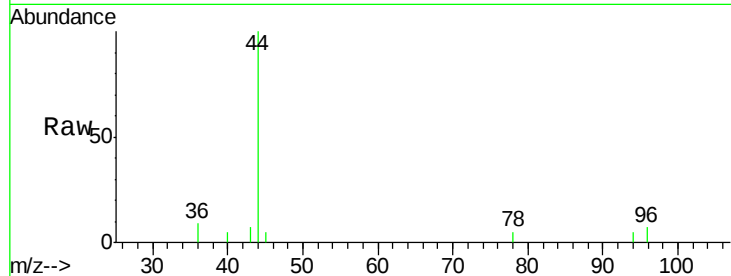
Time-->



#5
Bromomethane
Concen: Below Cal
RT: 1.62 min Scan# 139
Delta R.T. 0.02 min
Lab File: VU029025.D
Acq: 04 Jan 2019 14:15

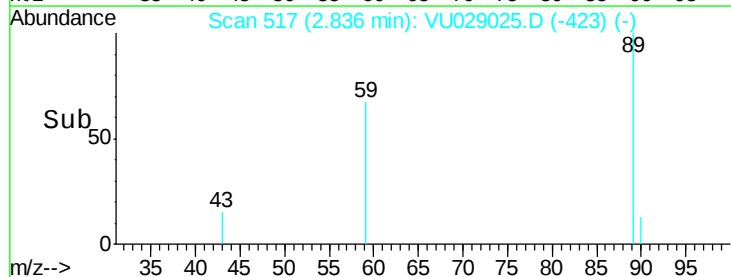
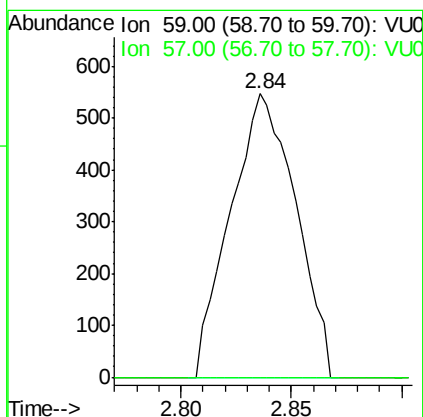
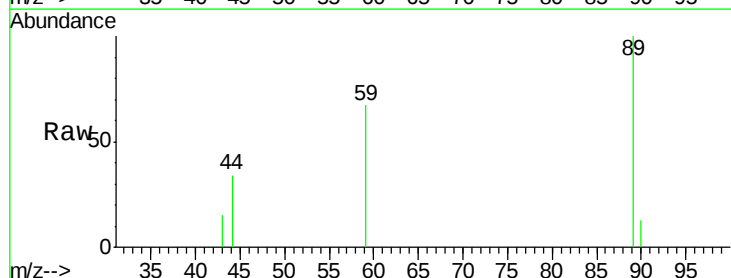
Instrument :
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STORAGE-BLANK-SOIL-REF-6

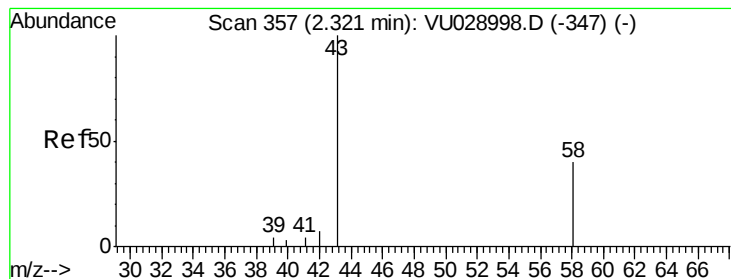
Tot Ion: 94 Resp: 67
Ion Ratio Lower Upper
94 100
96 135.2 75.5 113.3#



#11
Tert butyl alcohol
Concen: 3.076 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU029025.D
Acq: 04 Jan 2019 14:15

Tgt Ion: 59 Resp: 1122
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 1.066 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029025.D

Acq: 04 Jan 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

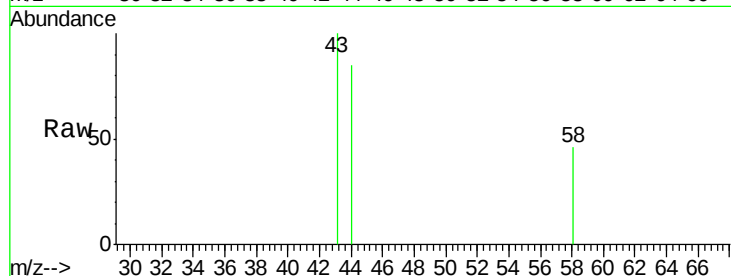
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 964

Ion Ratio Lower Upper

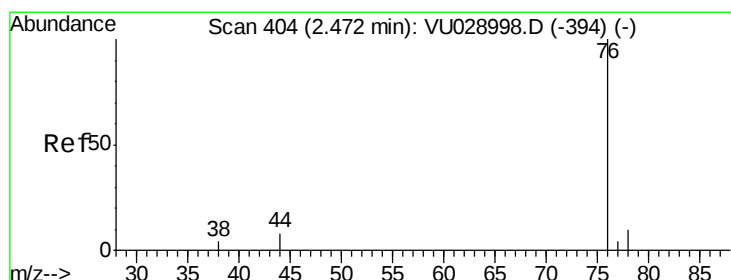
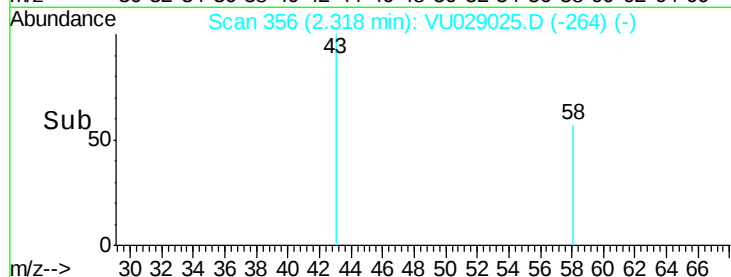
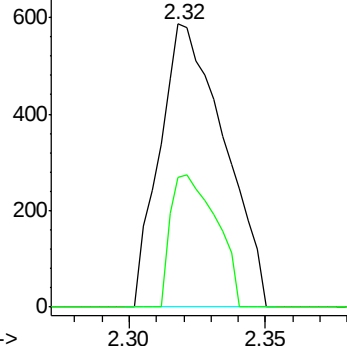
43 100

58 46.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029025.D

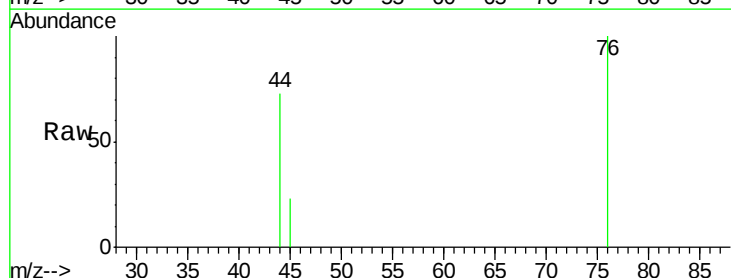
Acq: 04 Jan 2019 14:15

Tgt Ion: 76 Resp: 807

Ion Ratio Lower Upper

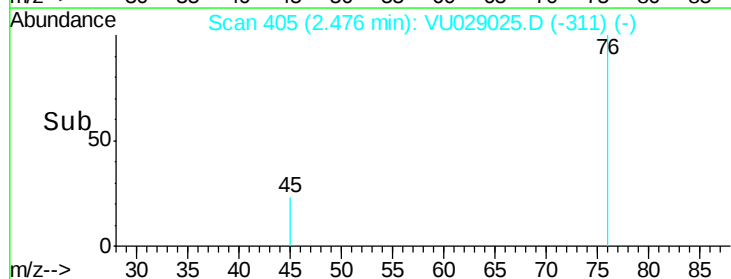
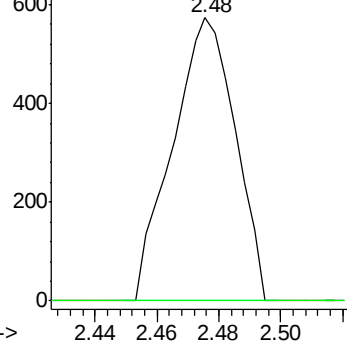
76 100

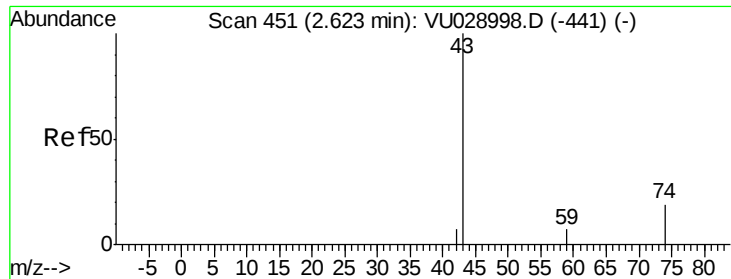
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0





#18

Methyl Acetate

Concen: 0.332 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU029025.D

Acq: 04 Jan 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

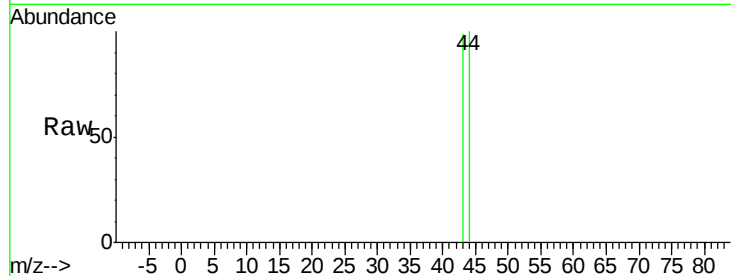
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 43 Resp: 698

Ion Ratio Lower Upper

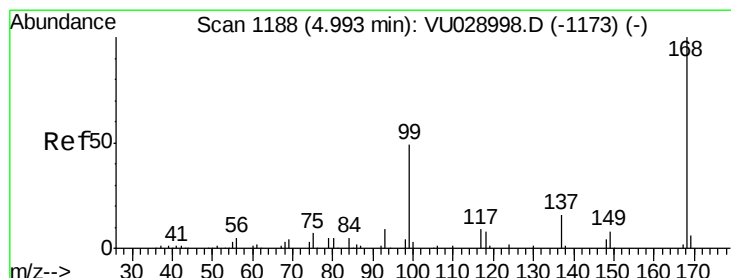
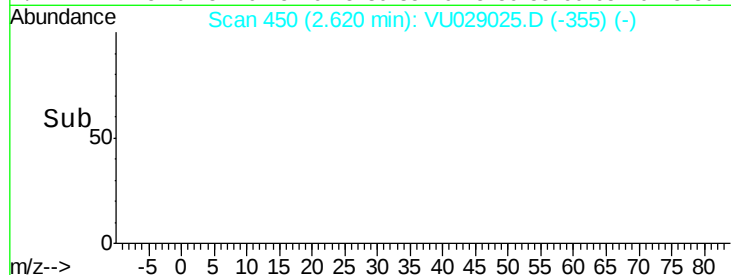
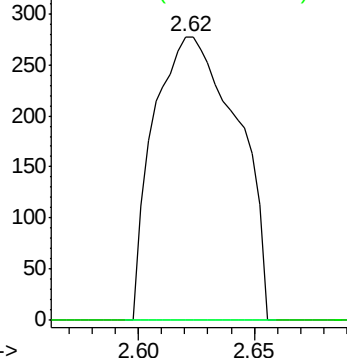
43 100

74 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VU029025.D

Acq: 04 Jan 2019 14:15

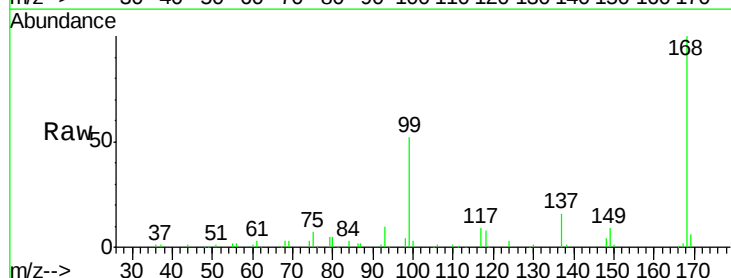
Tgt Ion: 56 Resp: 1999

Ion Ratio Lower Upper

56 100

69 189.9 26.7 40.1#

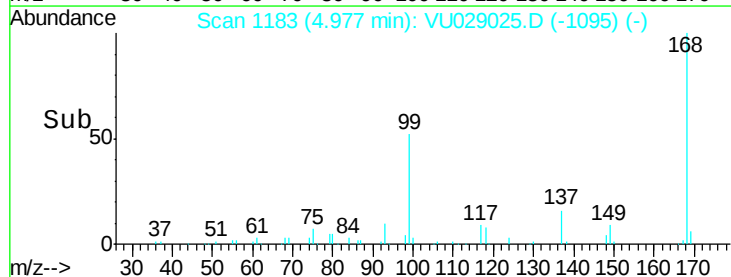
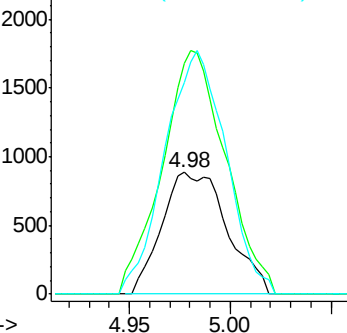
84 173.3 65.7 98.5#

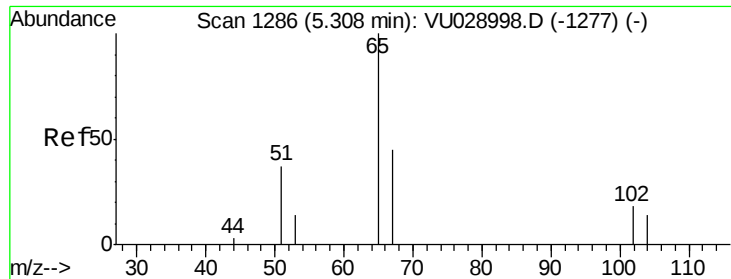


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

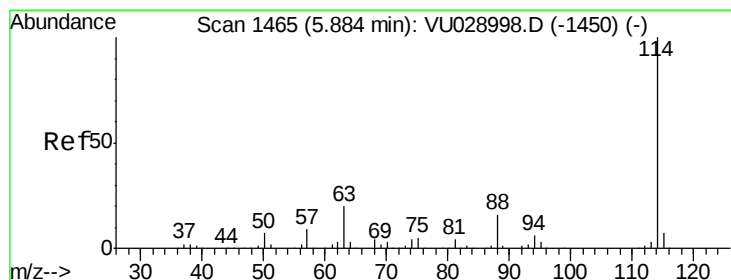
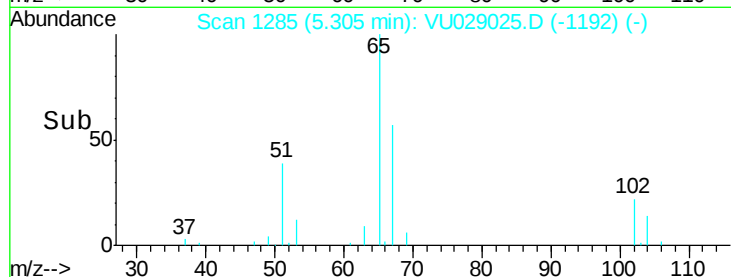
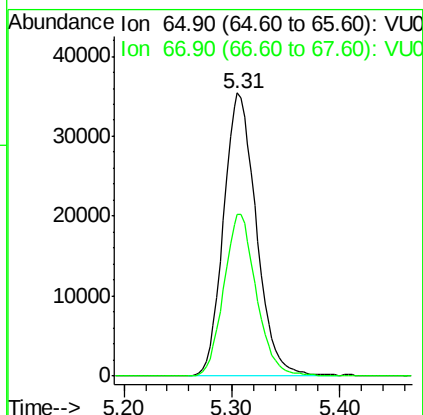
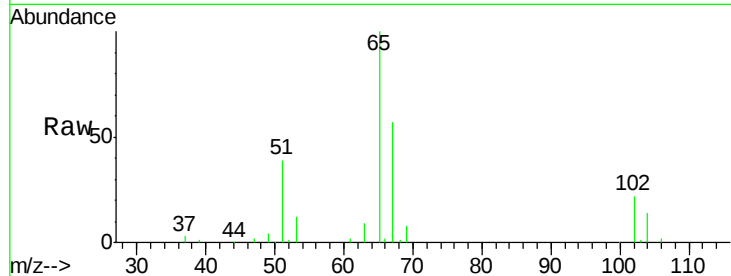




#33
 1,2-Dichloroethane-d4
 Concen: 52.234 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029025.D
 Acq: 04 Jan 2019 14:15

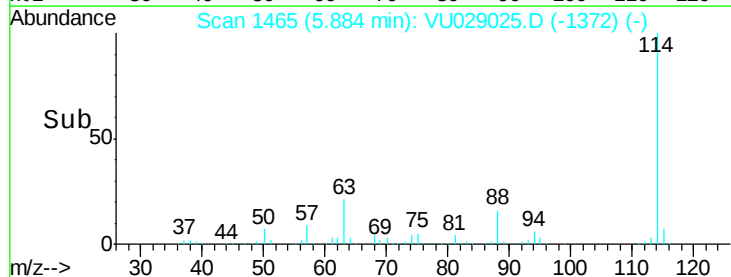
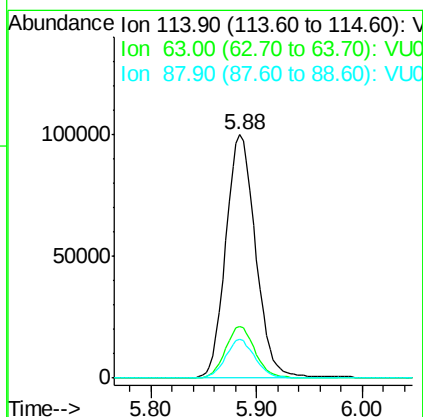
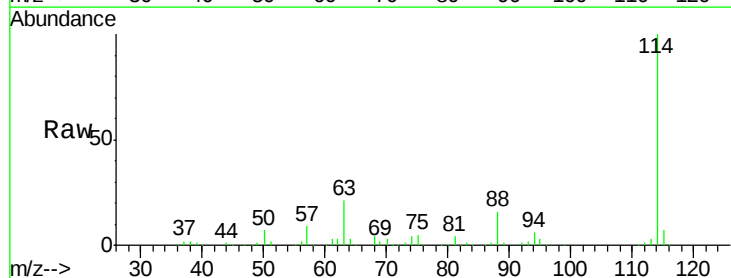
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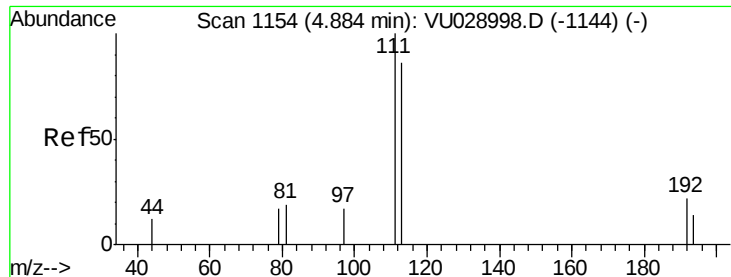
Tot Ion: 65 Resp: 74959
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029025.D
 Acq: 04 Jan 2019 14:15

Tgt Ion: 114 Resp: 196156
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.2
 88 16.1 0.0 30.4

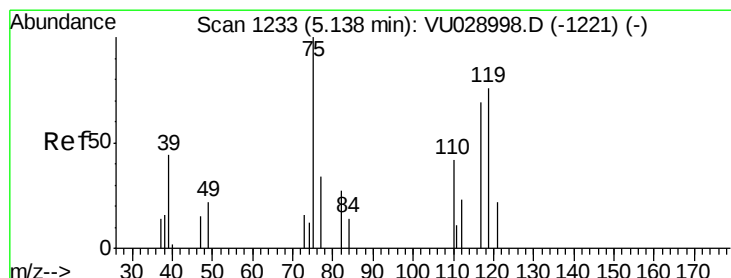
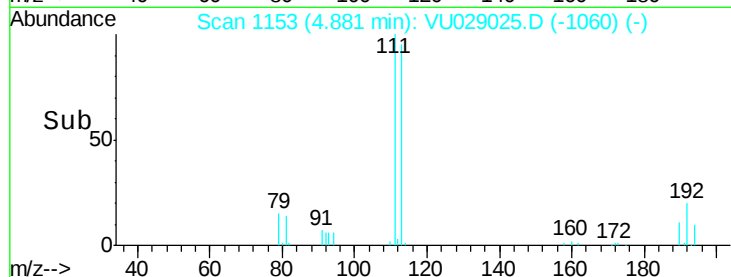
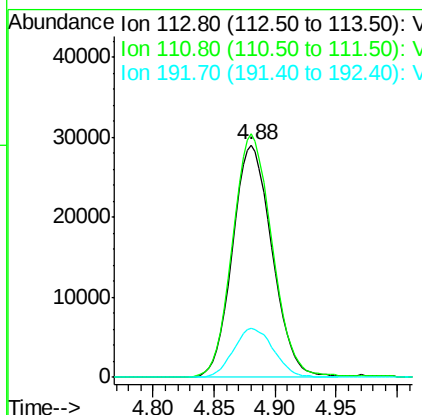
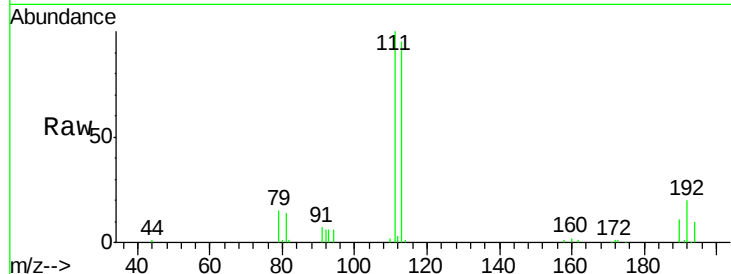




#35
Dibromofluoromethane
Concen: 51.478 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VU029025.D
Acq: 04 Jan 2019 14:15

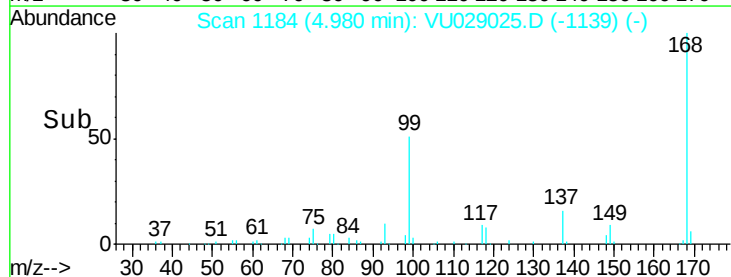
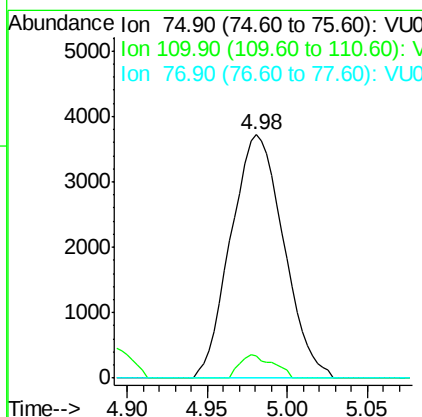
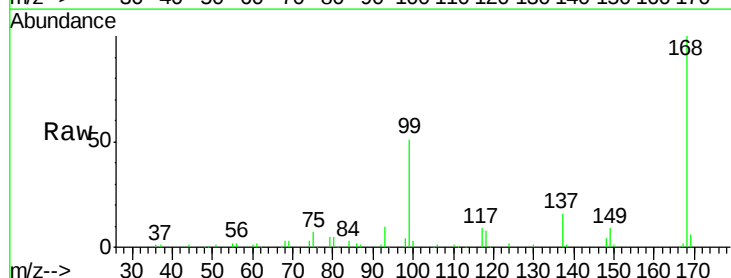
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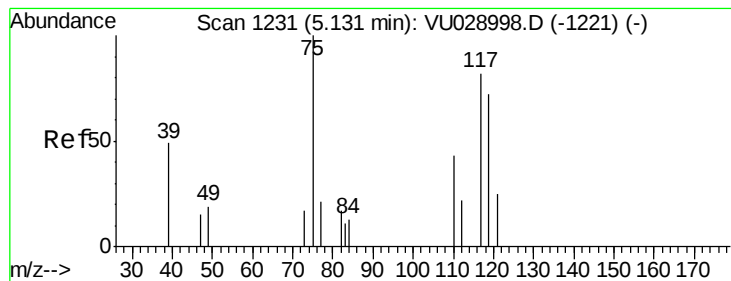
Tot Ion:113 Resp: 65456
Ion Ratio Lower Upper
113 100
111 104.6 81.4 122.2
192 21.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.289 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU029025.D
Acq: 04 Jan 2019 14:15

Tgt Ion: 75 Resp: 8409
Ion Ratio Lower Upper
75 100
110 5.9 18.4 55.4#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.259 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029025.D

Acq: 04 Jan 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

STORAGE-BLANK-SOIL-REF-6

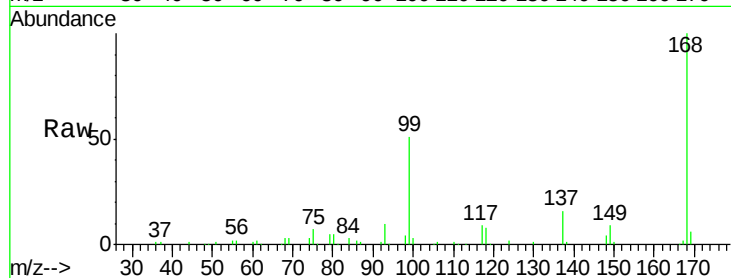
Tot Ion:117 Resp: 10235

Ion Ratio Lower Upper

117 100

119 5.6 74.6 111.8#

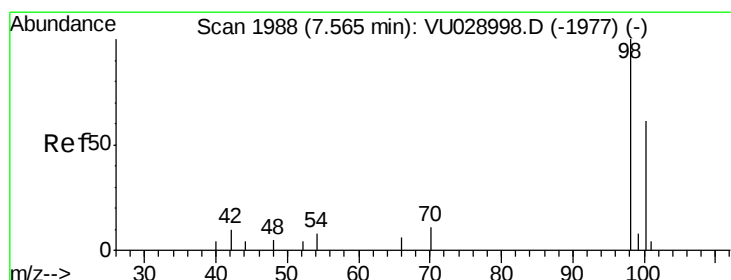
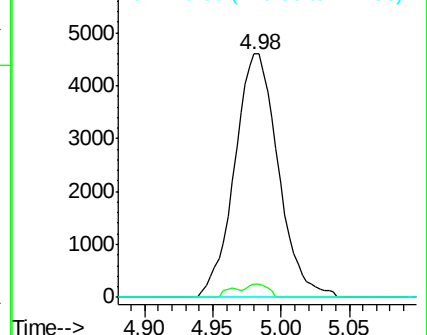
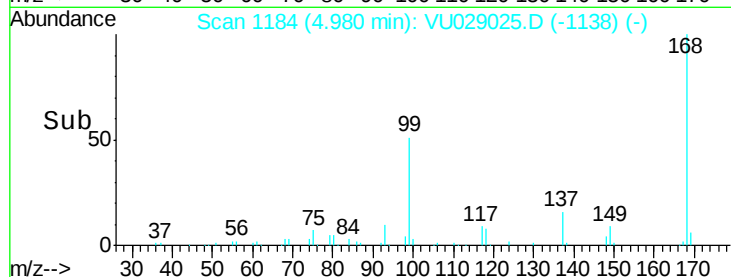
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.564 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029025.D

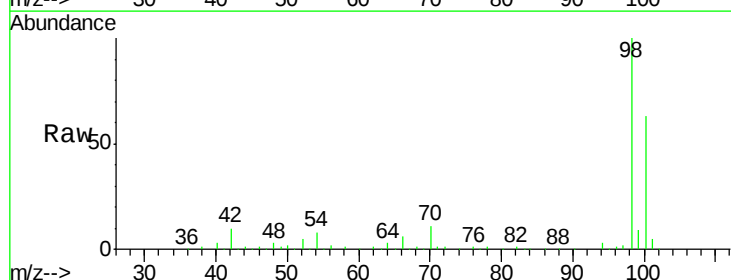
Acq: 04 Jan 2019 14:15

Tgt Ion: 98 Resp: 248804

Ion Ratio Lower Upper

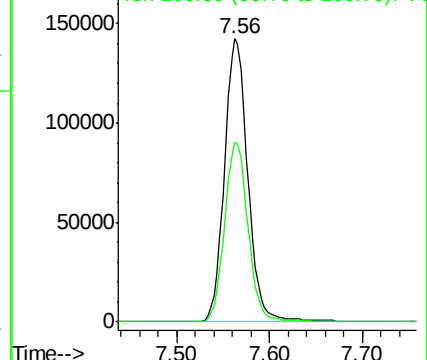
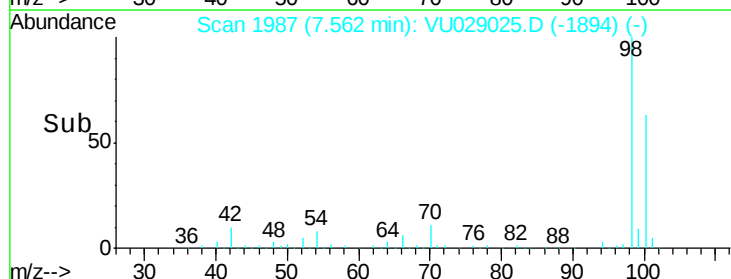
98 100

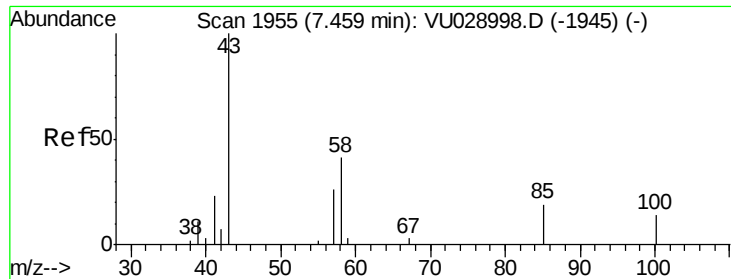
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

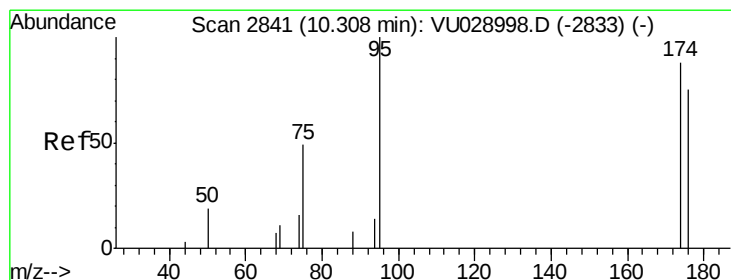
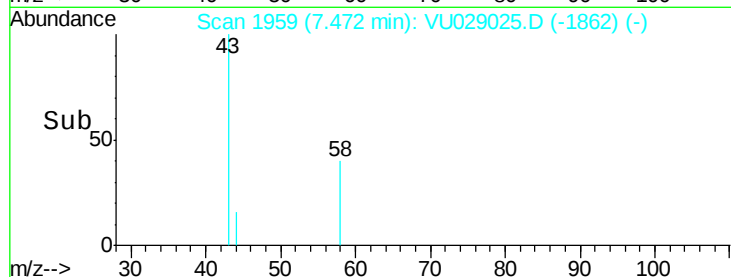
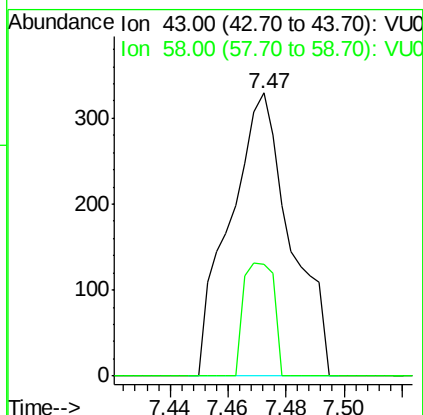
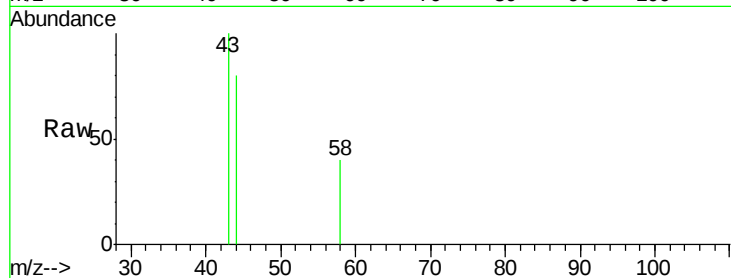




#51
4-Methyl-2-Pentanone
Concen: 0.213 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU029025.D
Acq: 04 Jan 2019 14:15

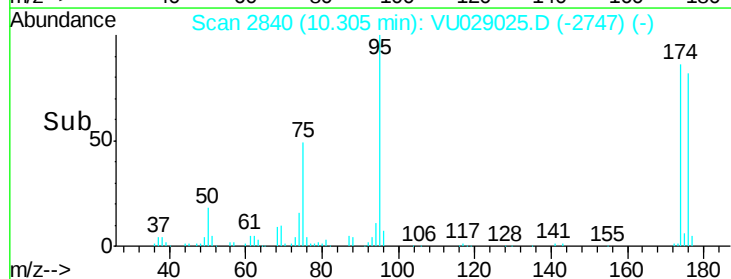
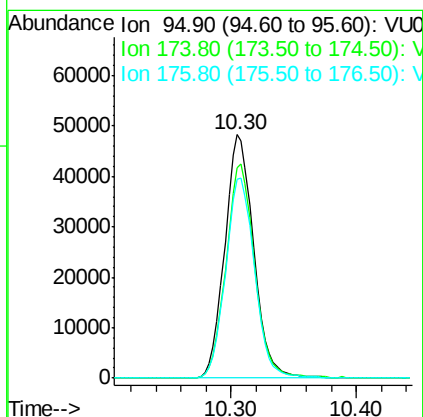
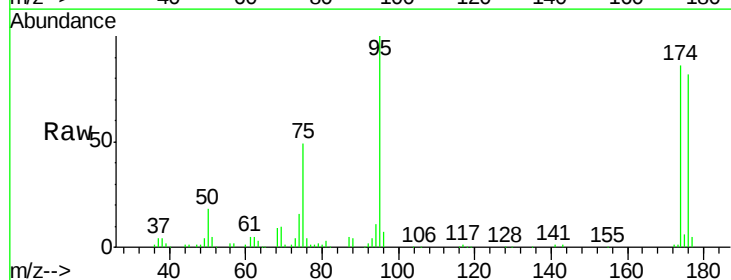
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

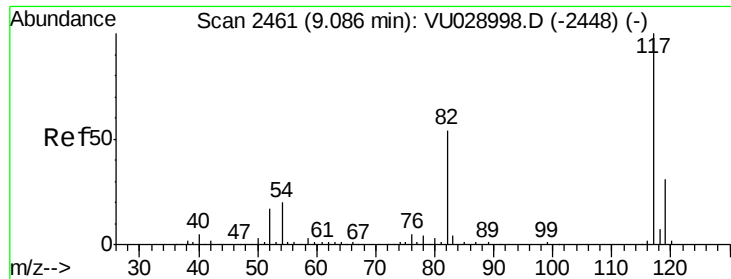
Tot Ion: 43 Resp: 478
Ion Ratio Lower Upper
43 100
58 20.1 33.9 50.9#



#62
4-Bromofluorobenzene
Concen: 42.827 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029025.D
Acq: 04 Jan 2019 14:15

Tgt Ion: 95 Resp: 77263
Ion Ratio Lower Upper
95 100
174 86.7 0.0 170.6
176 82.6 0.0 165.0

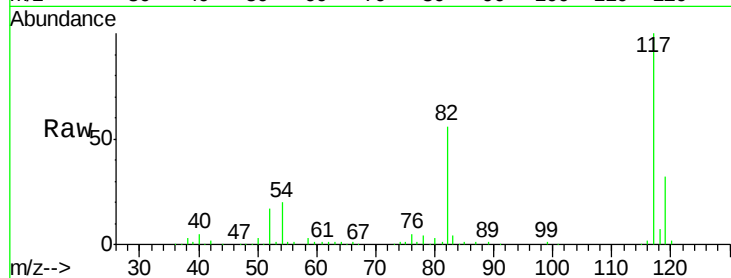




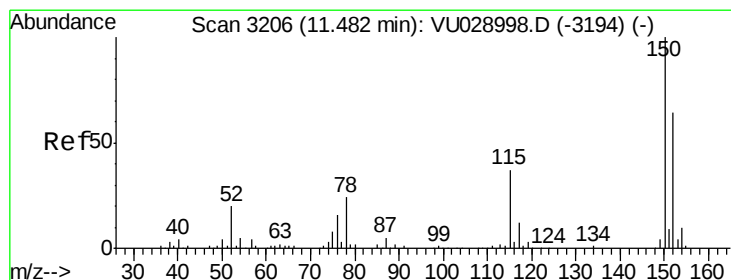
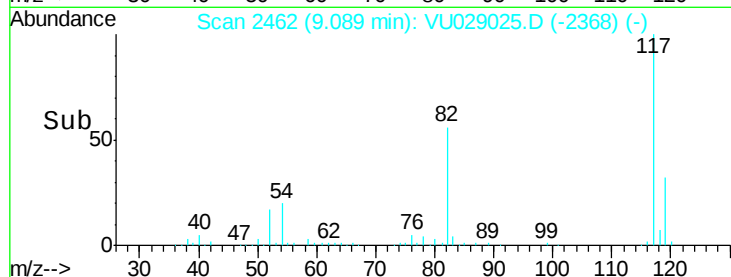
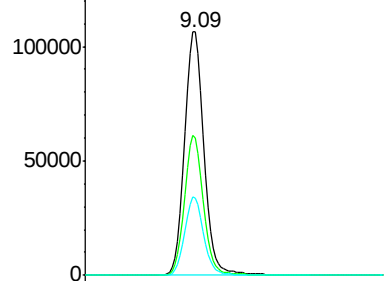
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029025.D
Acq: 04 Jan 2019 14:15

Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tot Ion:117 Resp: 181114
Ion Ratio Lower Upper
117 100
82 56.2 43.9 65.9
119 31.8 26.0 39.0

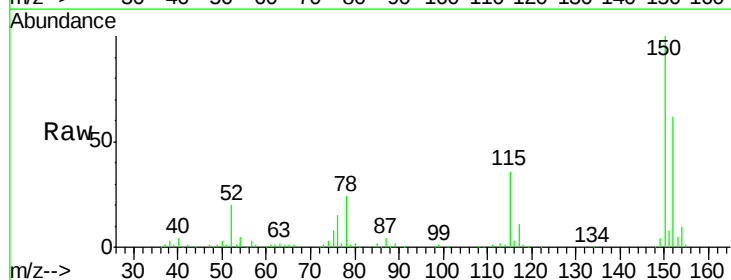


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

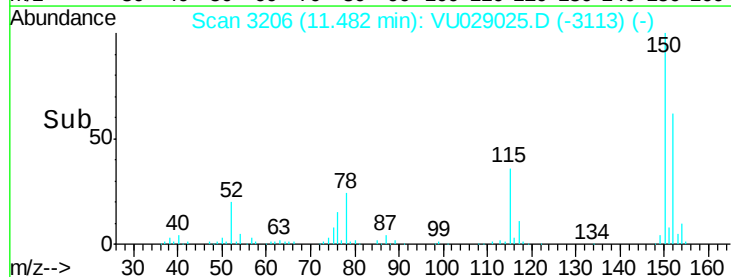
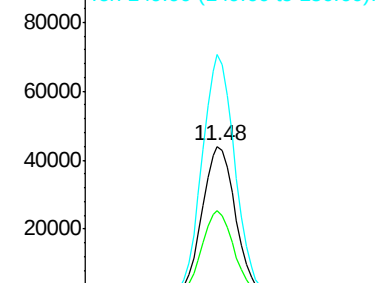


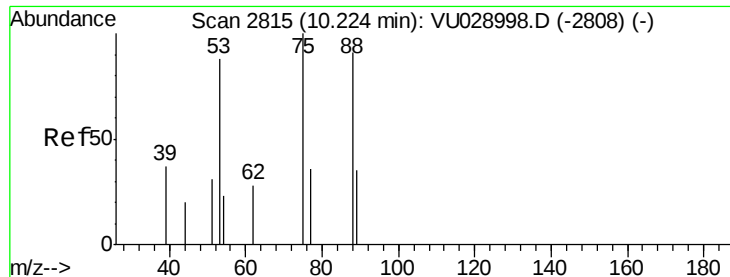
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029025.D
Acq: 04 Jan 2019 14:15

Tgt Ion:152 Resp: 70748
Ion Ratio Lower Upper
152 100
115 56.6 40.1 120.3
150 158.3 0.0 345.2



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: 21.478 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029025.D

Acq: 04 Jan 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

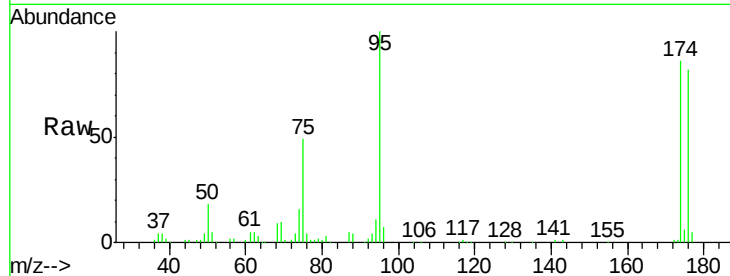
STORAGE-BLANK-SOIL-REF-6

Tot Ion: 75 Resp: 37230

Ion Ratio Lower Upper

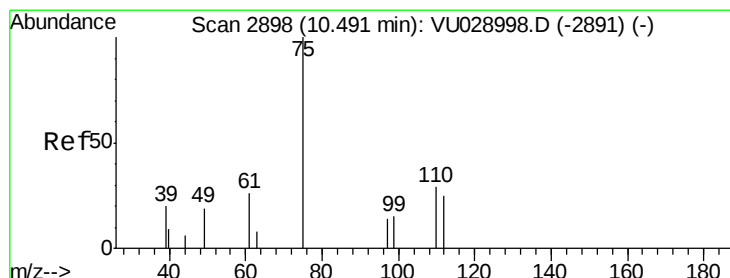
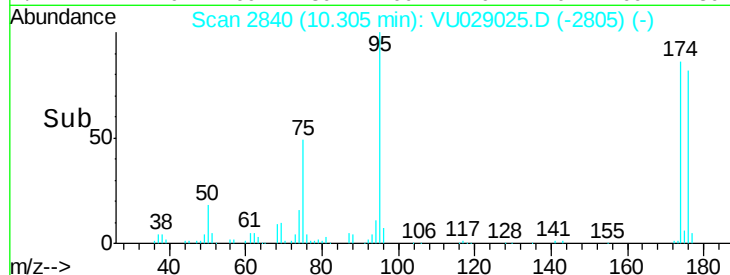
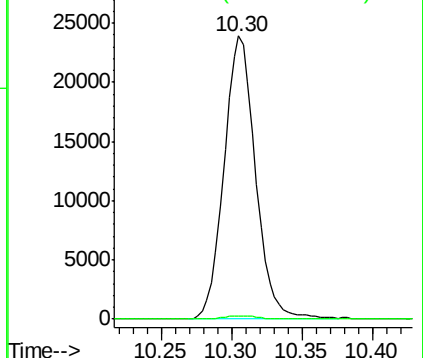
75 100

77 1.1 20.9 62.8#



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: 55.392 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029025.D

Acq: 04 Jan 2019 14:15

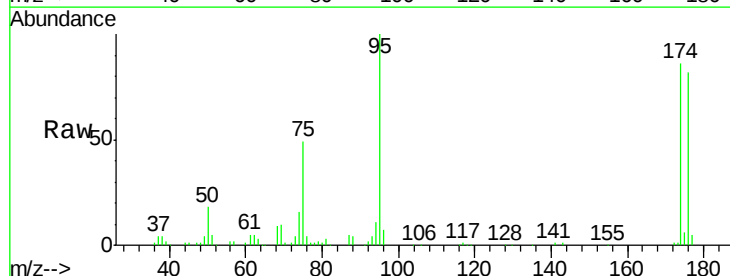
Tgt Ion: 75 Resp: 37230

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

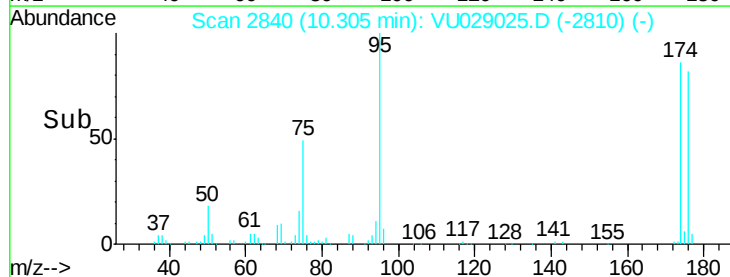
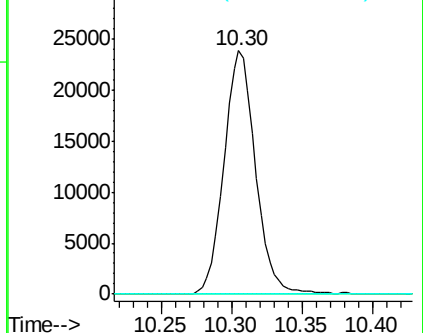
89 0.0 0.0 0.0

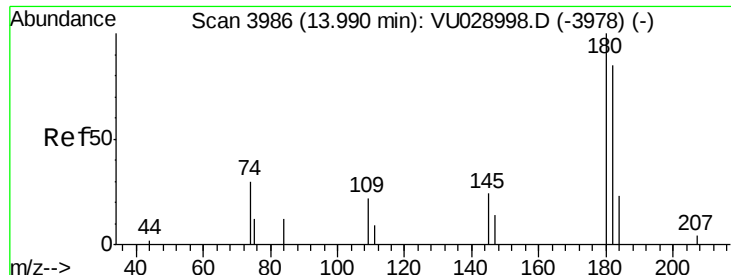


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.000 ug/l
 RT: 14.00 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VU029025.D
 Acq: 04 Jan 2019 14:15

Instrument :
 MSVOA_U
 ClientSampleId :
 STORAGE-BLANK-SOIL-REF-6

Tot Ion:180 Resp: 378
 Ion Ratio Lower Upper
 180 100
 182 74.6 48.1 144.3
 145 0.0 14.8 44.4#

