

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028050.D
 Acq On : 09 Nov 2018 17:21
 Operator : MD/SY
 Sample : J5885-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8

Quant Time: Nov 12 06:17:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	190857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	367560	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	323907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	125769	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	163527	57.63	ug/l	0.00
Spiked Amount			Recovery	=	115.26%	
35) Dibromofluoromethane	4.88	113	120434	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	7.57	98	479806	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
62) 4-Bromofluorobenzene	10.31	95	151408	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

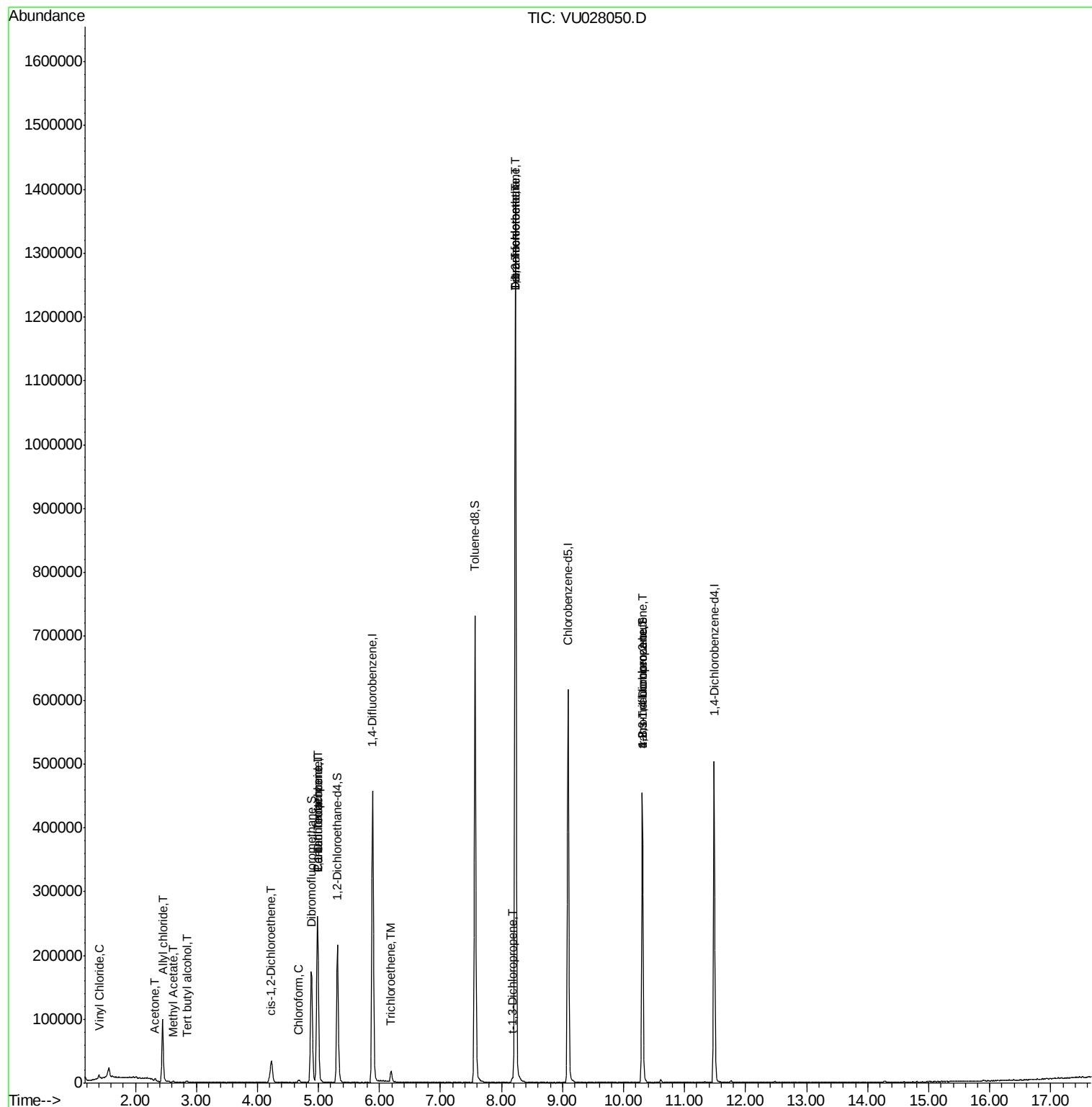
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3521	1.210	ug/l	95
11) Tert butyl alcohol	2.84	59	1152	1.534	ug/l #	73
13) Acrolein	2.20	56	93	Below Cal		89
14) Allyl chloride	2.44	41	8873	1.815	ug/l #	72
16) Acetone	2.32	43	4583	2.603	ug/l	98
18) Methyl Acetate	2.62	43	1403	0.290	ug/l #	62
27) cis-1,2-Dichloroethene	4.23	96	17293	6.680	ug/l	92
30) Chloroform	4.68	83	5012	1.087	ug/l #	84
31) Cyclohexane	4.98	56	4413	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	17116	4.446	ug/l #	50
38) Carbon Tetrachloride	4.98	117	19360	5.675	ug/l #	17
44) Trichloroethene	6.19	130	6084	2.405	ug/l	92
53) t-1,3-Dichloropropene	8.16	75	22	1.123	ug/l #	1
55) 1,1,2-Trichloroethane	8.22	97	2958	1.051	ug/l #	1
60) Dibromochloromethane	8.23	129	286124	107.410	ug/l #	10
64) Tetrachloroethene	8.23	164	296923	141.372	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	80754	23.474	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	80754	58.564	ug/l #	100

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

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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028050.D

Acq: 09 Nov 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

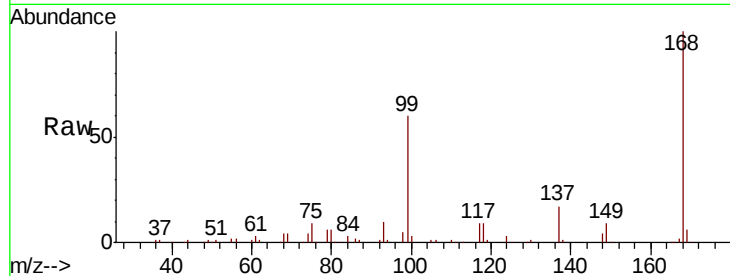
MW-8

Tot Ion:168 Resp: 190857

Ion Ratio Lower Upper

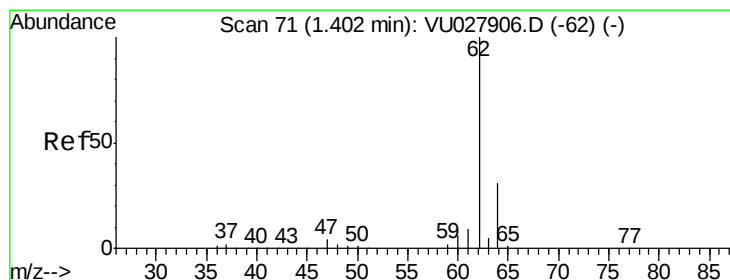
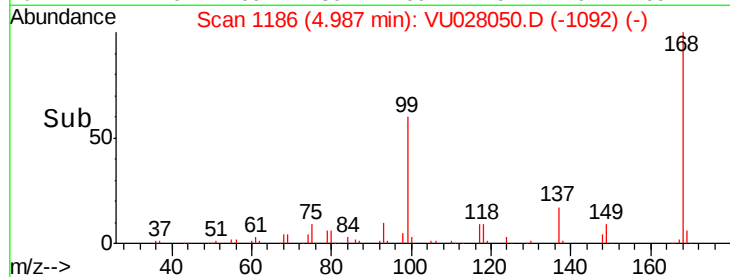
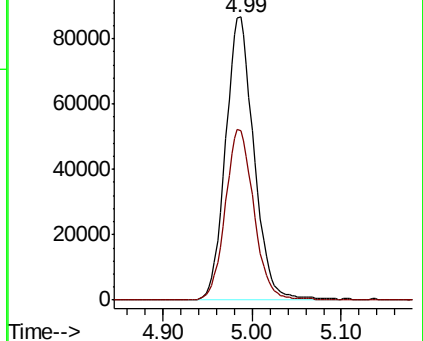
168 100

99 59.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028050.D (-1092) (-)



#4

Vinyl Chloride

Concen: 1.210 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028050.D

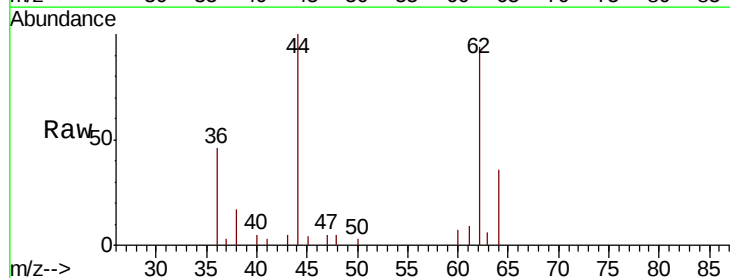
Acq: 09 Nov 2018 17:21

Tgt Ion: 62 Resp: 3521

Ion Ratio Lower Upper

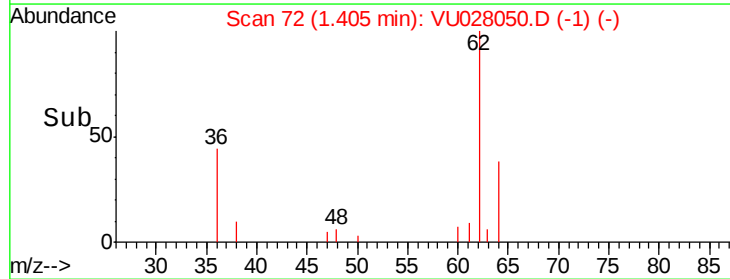
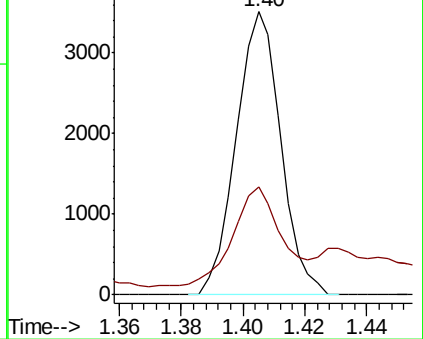
62 100

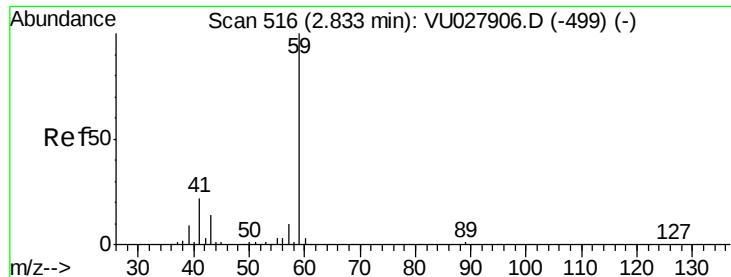
64 34.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU028050.D (-1) (-)

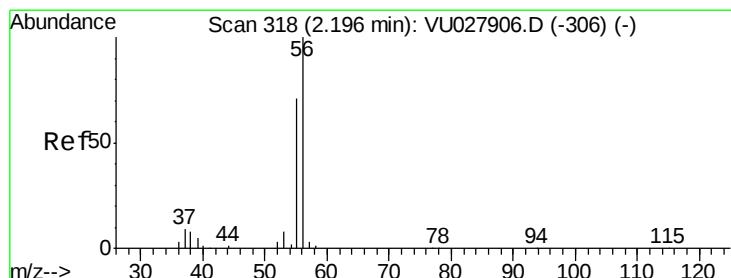
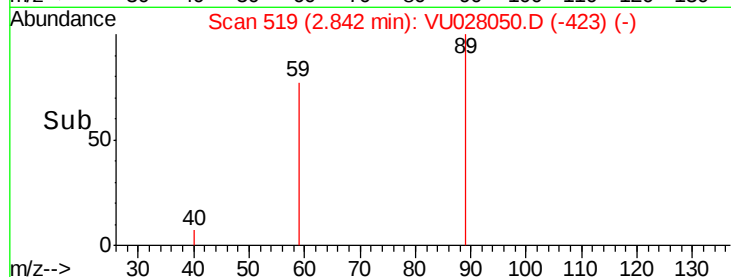
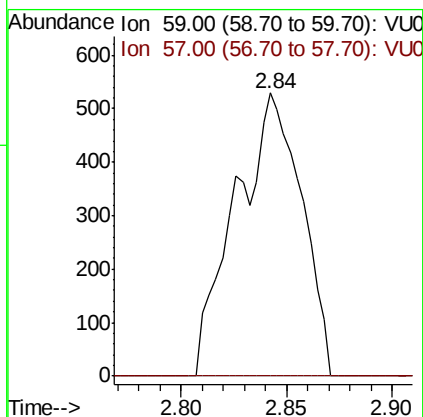
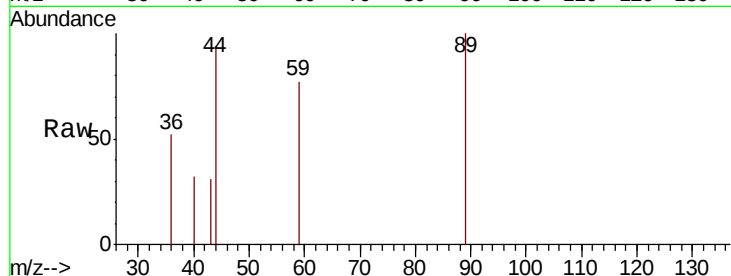




#11
Tert butyl alcohol
Concen: 1.534 ug/l
RT: 2.84 min Scan# 519
Delta R.T. 0.01 min
Lab File: VU028050.D
Acq: 09 Nov 2018 17:21

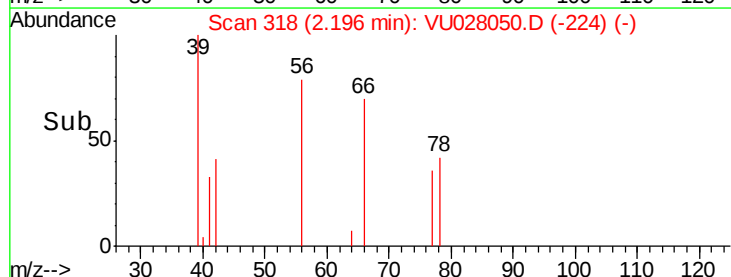
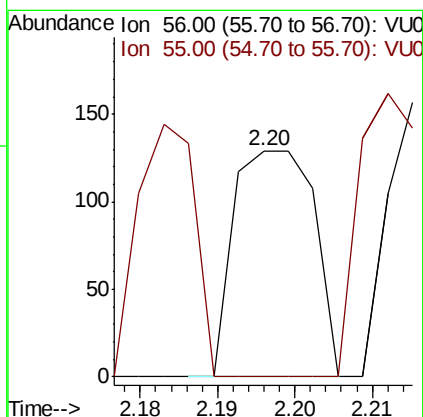
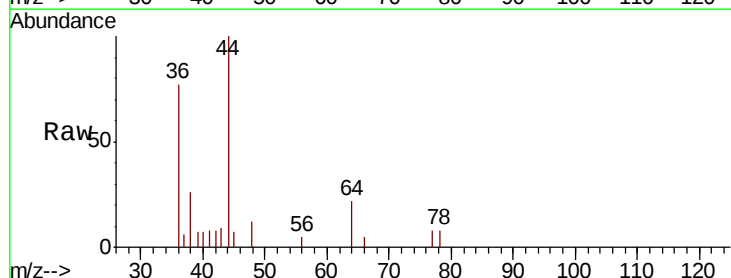
Instrument :
MSVOA_U
ClientSampled :
MW-8

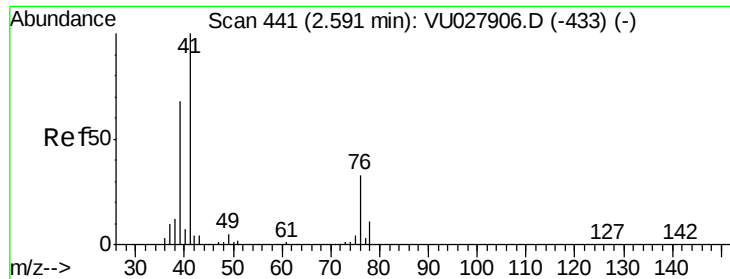
Tot Ion: 59 Resp: 1152
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: Below Cal
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028050.D
Acq: 09 Nov 2018 17:21

Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 79.6 56.2 84.4

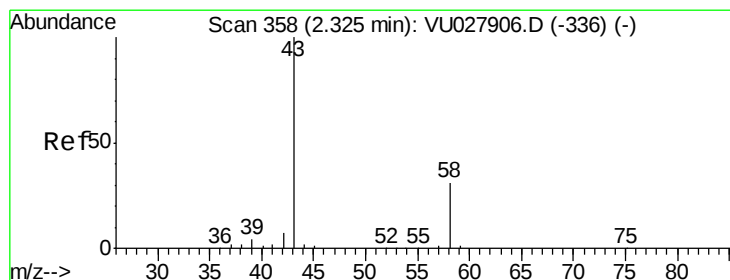
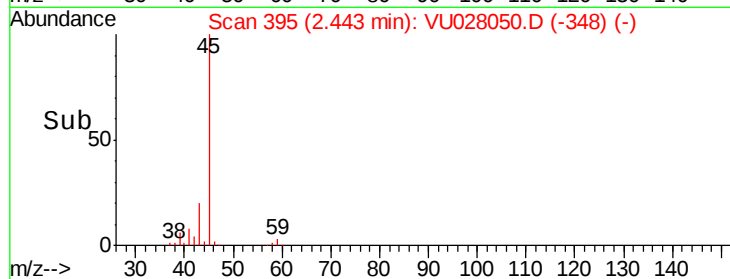
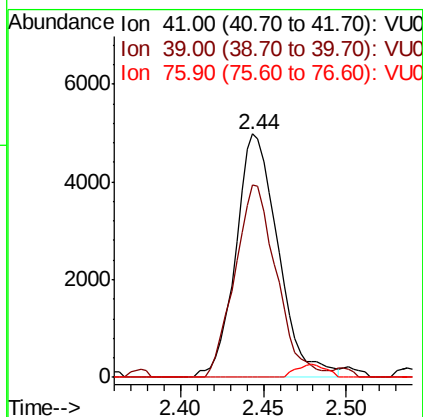
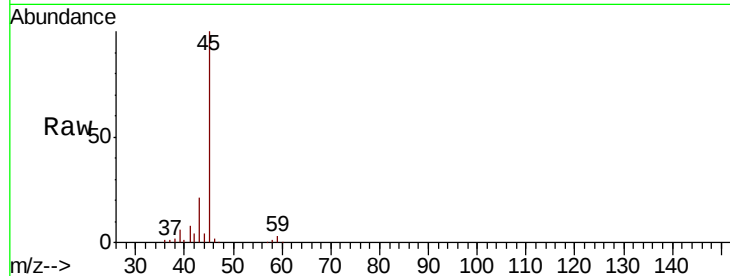




#14
Allvl chloride
Concen: 1.815 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.15 min
Lab File: VU028050.D
Acq: 09 Nov 2018 17:21

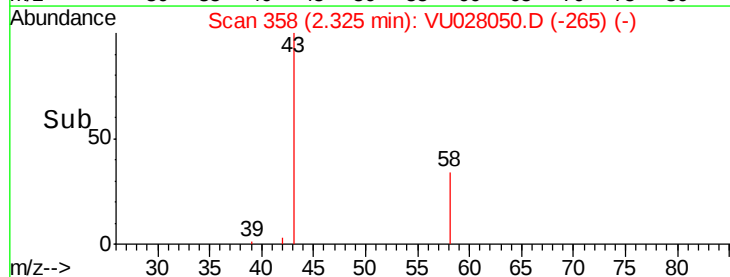
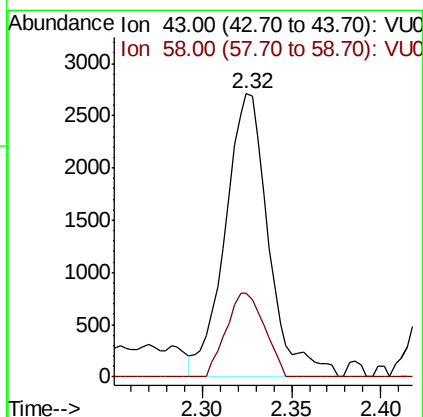
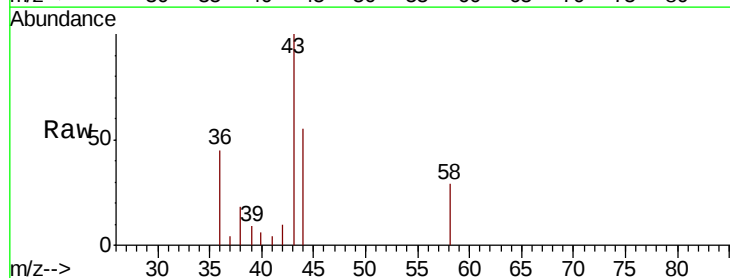
Instrument :
MSVOA_U
ClientSampled :
MW-8

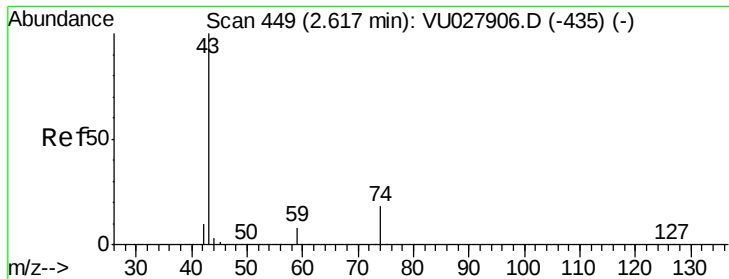
Tot Ion: 41 Resp: 8873
Ion Ratio Lower Upper
41 100
39 77.7 51.9 77.9
76 0.0 23.8 35.6#



#16
Acetone
Concen: 2.603 ug/l
RT: 2.32 min Scan# 358
Delta R.T. -0.00 min
Lab File: VU028050.D
Acq: 09 Nov 2018 17:21

Tgt Ion: 43 Resp: 4583
Ion Ratio Lower Upper
43 100
58 29.5 24.6 37.0

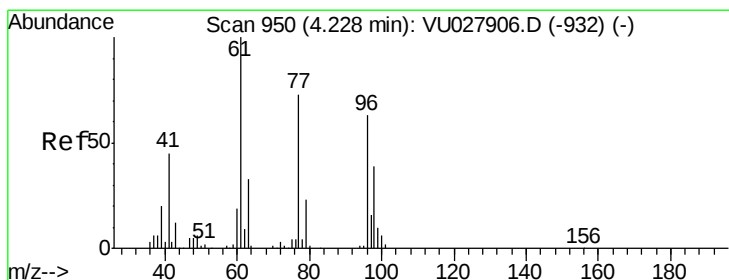
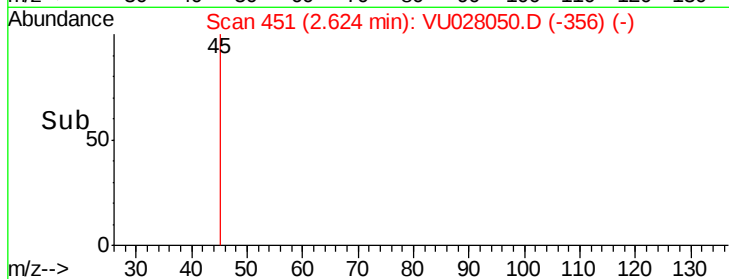
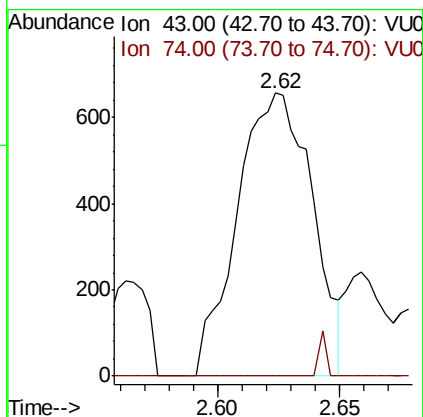
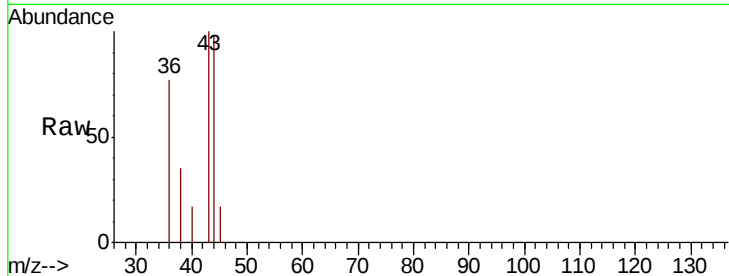




#18
Methyl Acetate
Concen: 0.290 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028050.D
Acq: 09 Nov 2018 17:21

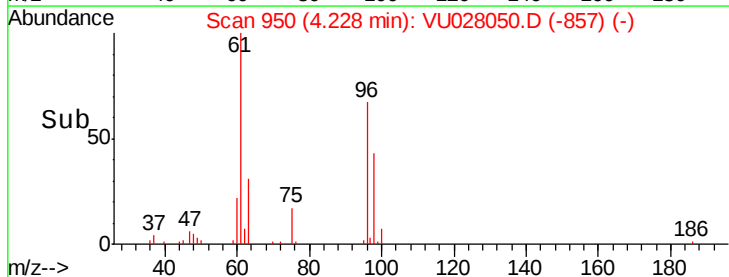
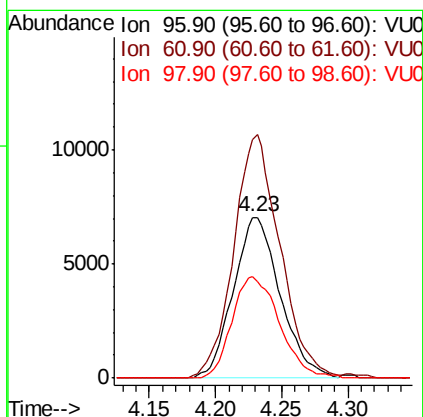
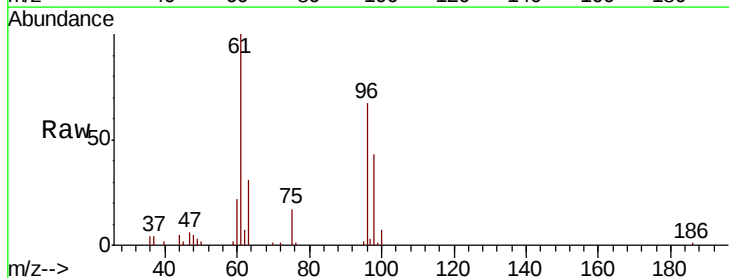
Instrument :
MSVOA_U
ClientSampled :
MW-8

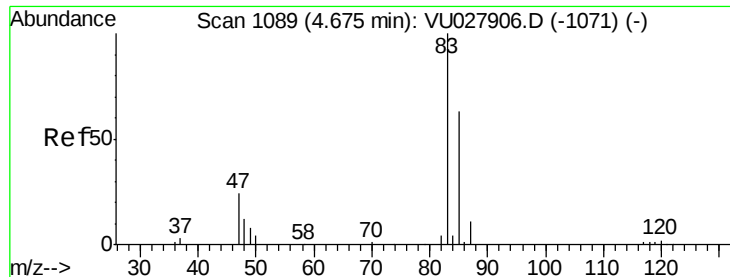
Tot Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
74 1.4 14.9 22.3#



#27
cis-1,2-Dichloroethene
Concen: 6.680 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028050.D
Acq: 09 Nov 2018 17:21

Tgt Ion: 96 Resp: 17293
Ion Ratio Lower Upper
96 100
61 149.5 0.0 329.6
98 63.9 0.0 127.2





#30

Chloroform

Concen: 1.087 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU028050.D

Acq: 09 Nov 2018 17:21

Instrument :

MSVOA_U

ClientSampled :

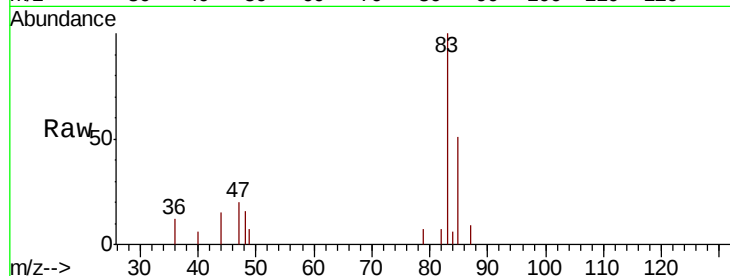
MW-8

Tot Ion: 83 Resp: 5012

Ion Ratio Lower Upper

83 100

85 50.6 50.6 76.0#



Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-1071) (-)

Ion 84.90 (84.60 to 85.60): VU027906.D (-1071) (-)

4.68

2000

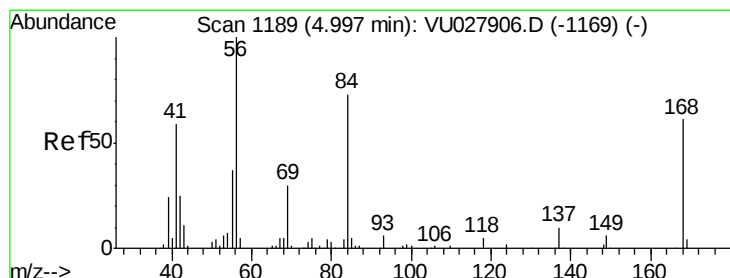
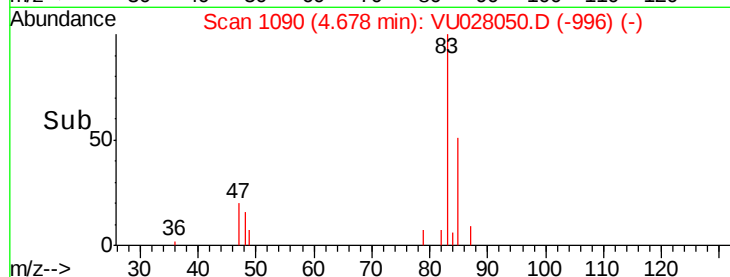
1500

1000

500

0

Time--> 4.60 4.65 4.70 4.75



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028050.D

Acq: 09 Nov 2018 17:21

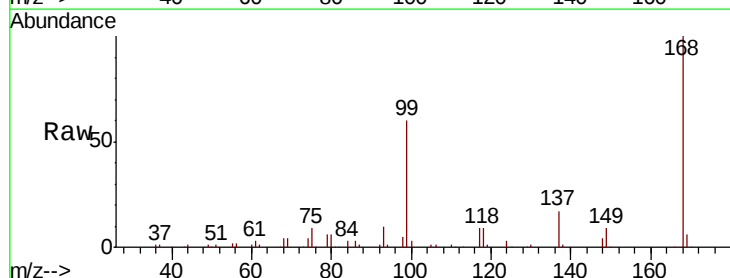
Tgt Ion: 56 Resp: 4413

Ion Ratio Lower Upper

56 100

69 185.1 23.7 35.5#

84 151.5 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-1169) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1169) (-)

Ion 84.00 (83.70 to 84.70): VU027906.D (-1169) (-)

4.98

5000

4000

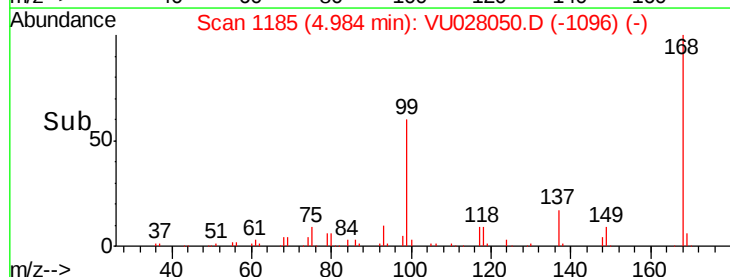
3000

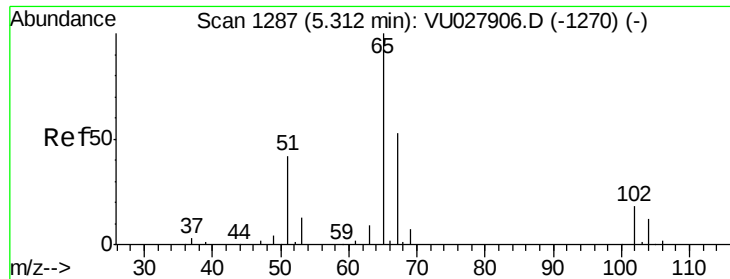
2000

1000

0

Time--> 4.90 4.95 5.00 5.05

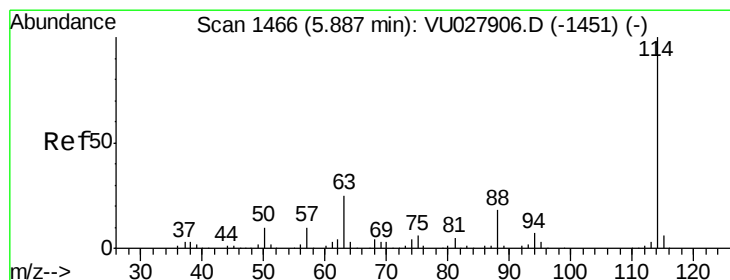
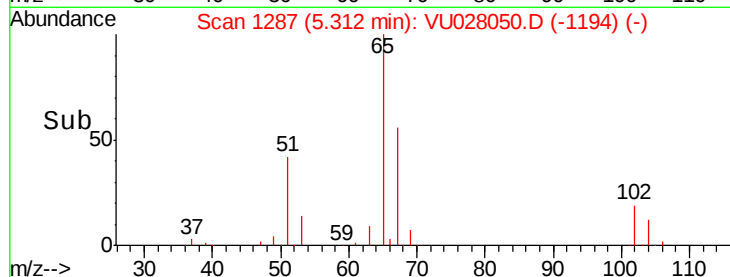
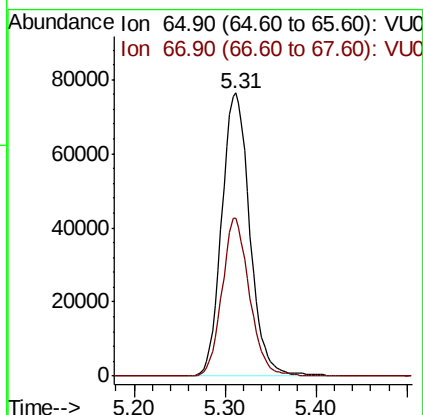
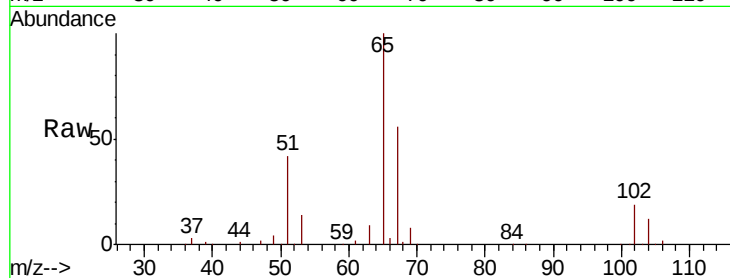




#33
 1,2-Dichloroethane-d4
 Concen: 57.629 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028050.D
 Acq: 09 Nov 2018 17:21

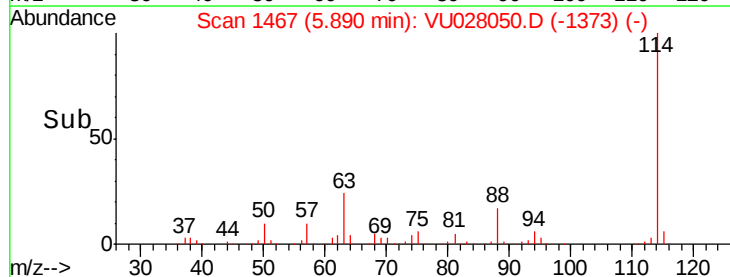
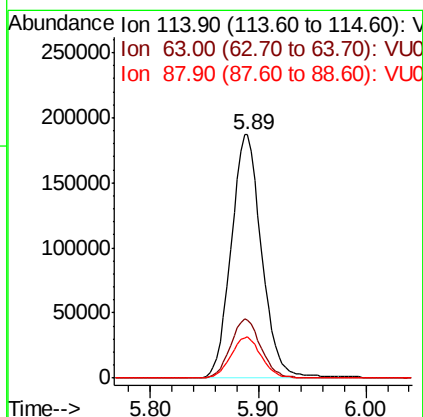
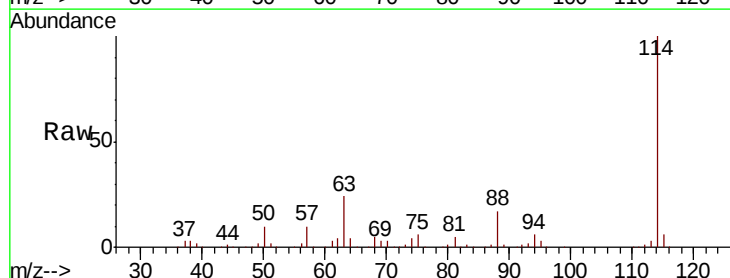
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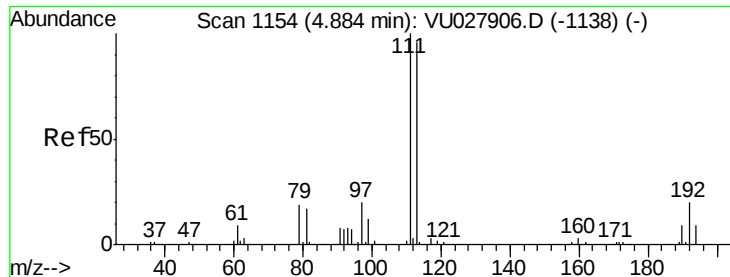
Tot Ion: 65 Resp: 163527
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU028050.D
 Acq: 09 Nov 2018 17:21

Tgt Ion: 114 Resp: 367560
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 50.8
 88 16.8 0.0 35.8

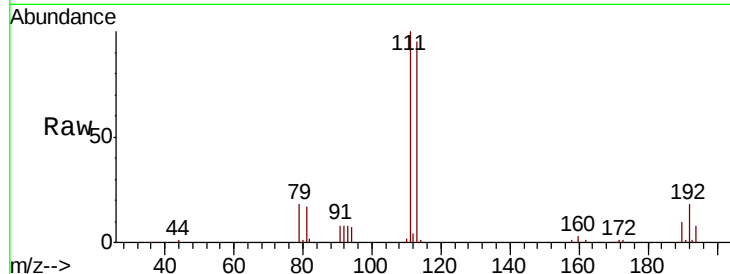




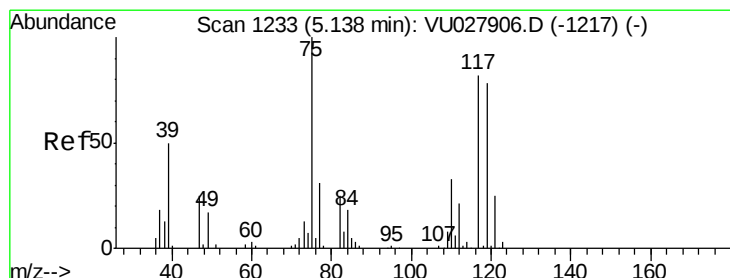
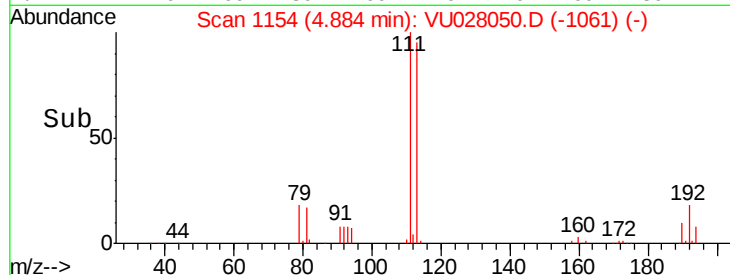
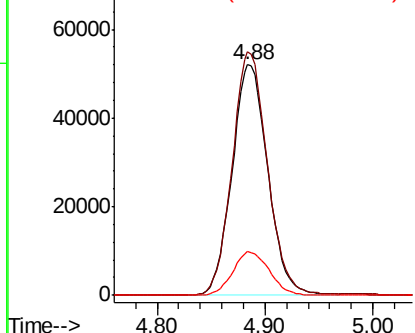
#35
 Dibromofluoromethane
 Concen: 51.967 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028050.D
 Acq: 09 Nov 2018 17:21

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8

Tot Ion:113 Resp: 120434
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.0 124.6
 192 19.2 15.6 23.4

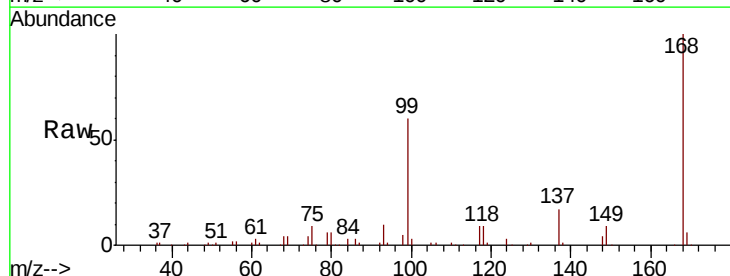


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

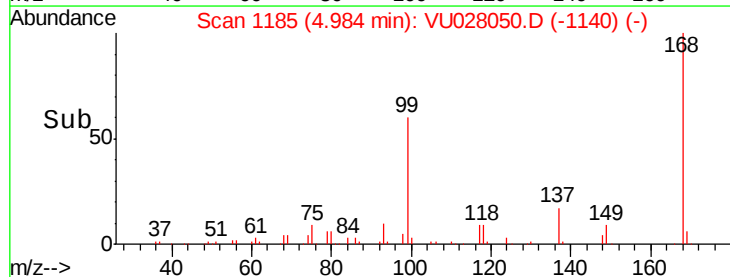
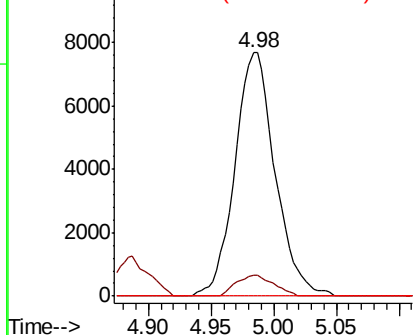


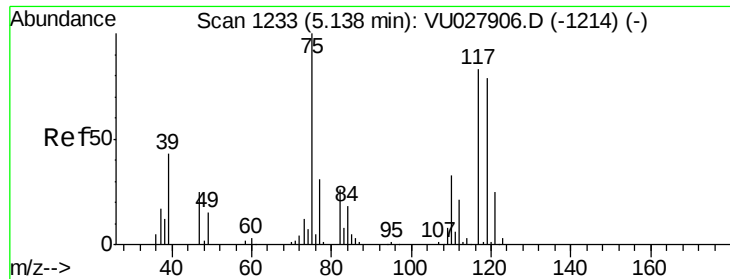
#36
 1,1-Dichloropropene
 Concen: 4.446 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028050.D
 Acq: 09 Nov 2018 17:21

Tgt Ion: 75 Resp: 17116
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.5 49.5#
 77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.675 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028050.D

Acq: 09 Nov 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

MW-8

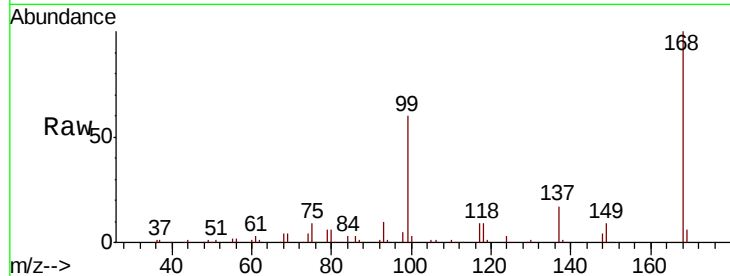
Tot Ion:117 Resp: 19360

Ion Ratio Lower Upper

117 100

119 5.4 76.0 114.0#

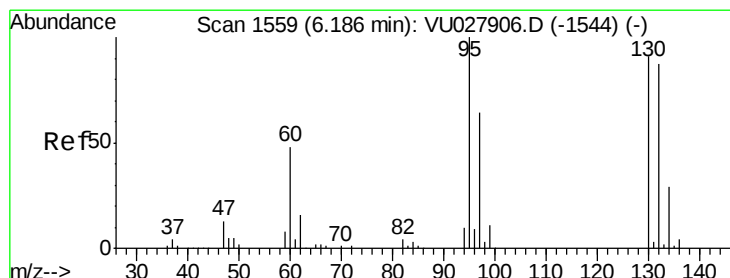
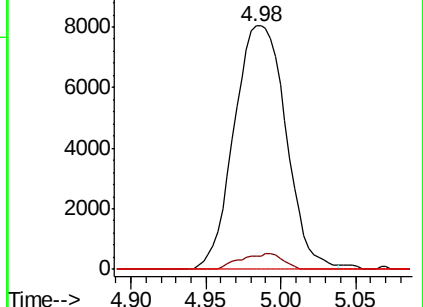
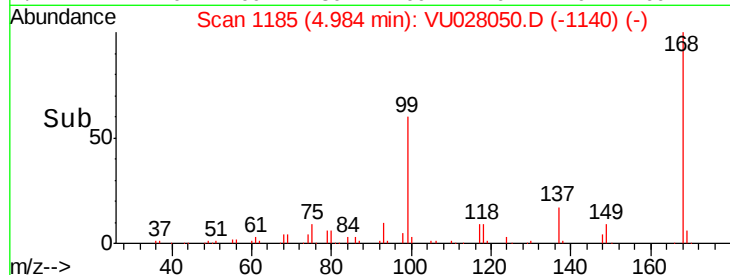
121 0.0 24.5 36.7#



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



#44

Trichloroethene

Concen: 2.405 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028050.D

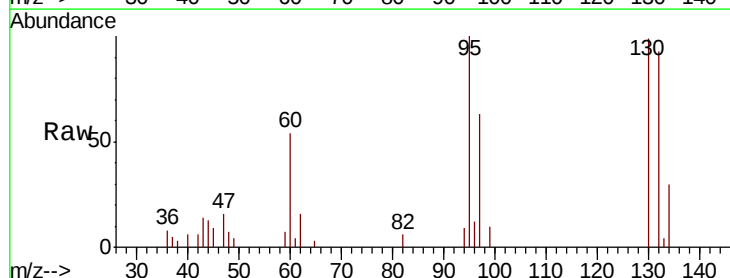
Acq: 09 Nov 2018 17:21

Tgt Ion:130 Resp: 6084

Ion Ratio Lower Upper

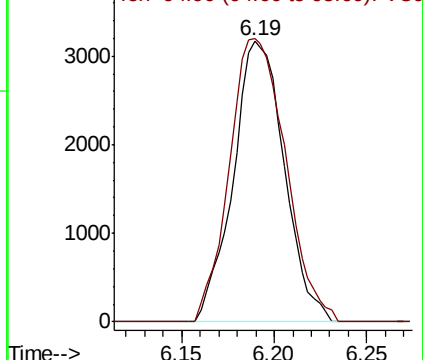
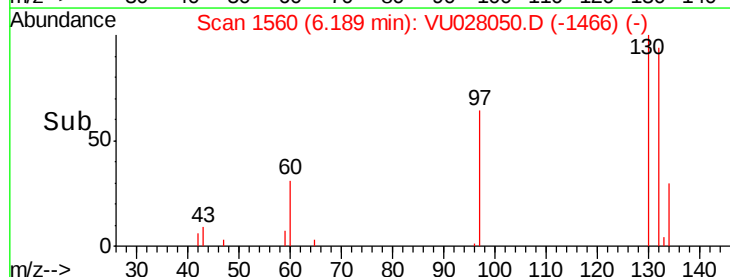
130 100

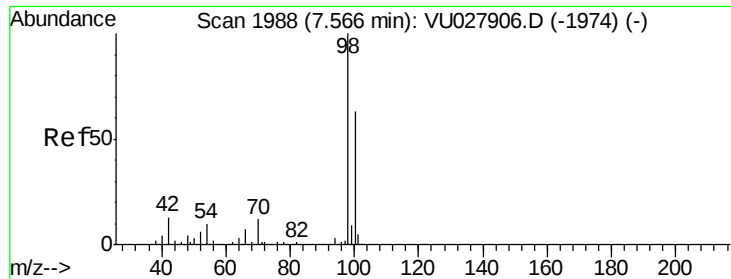
95 100.7 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 53.595 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028050.D

Acq: 09 Nov 2018 17:21

Instrument :

MSVOA_U

ClientSampled :

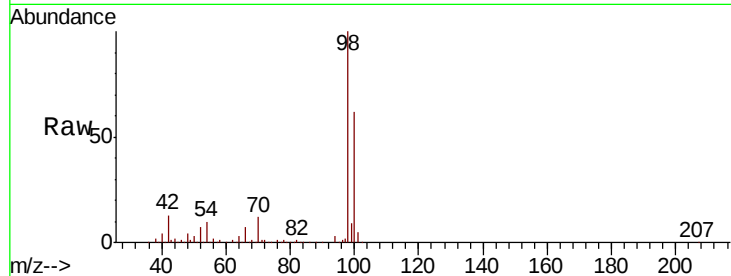
MW-8

Tot Ion: 98 Resp: 479806

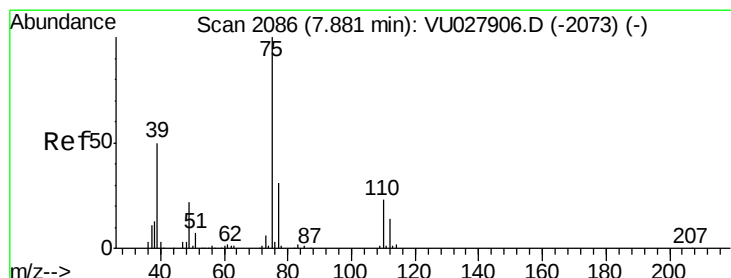
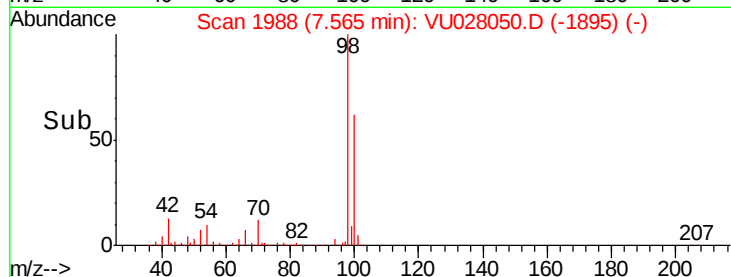
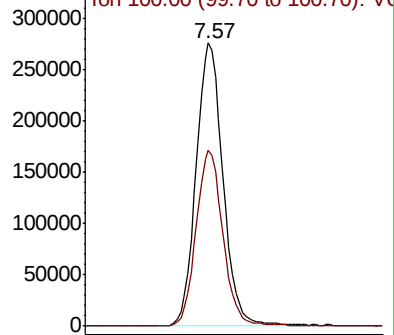
Ion Ratio Lower Upper

98 100

100 62.1 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)



#53

t-1,3-Dichloropropene

Concen: 1.123 ug/l

RT: 8.16 min Scan# 2174

Delta R.T. 0.28 min

Lab File: VU028050.D

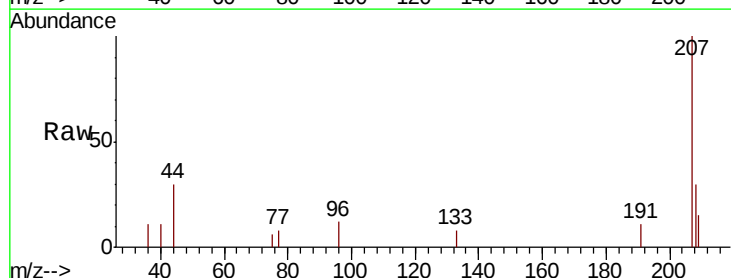
Acq: 09 Nov 2018 17:21

Tgt Ion: 75 Resp: 22

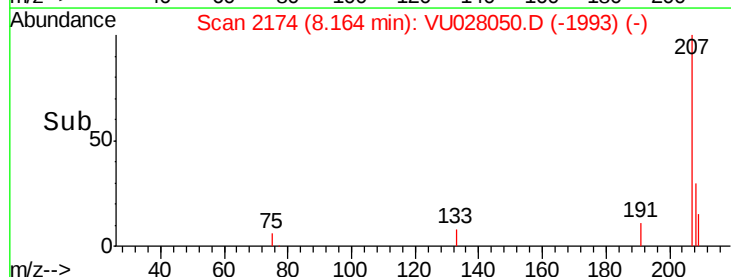
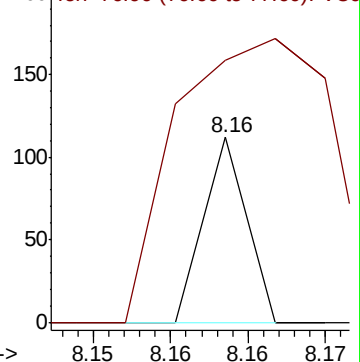
Ion Ratio Lower Upper

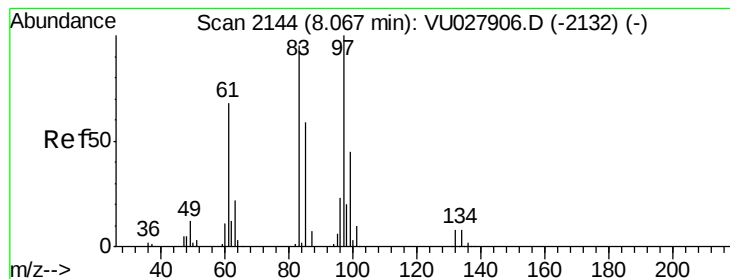
75 100

77 142.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2073) (-)





#55

1,1,2-Trichloroethane

Concen: 1.051 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. 0.16 min

Lab File: VU028050.D

Acq: 09 Nov 2018 17:21

Instrument :

MSVOA_U

ClientSampled :

MW-8

Tot Ion: 97 Resp: 2958

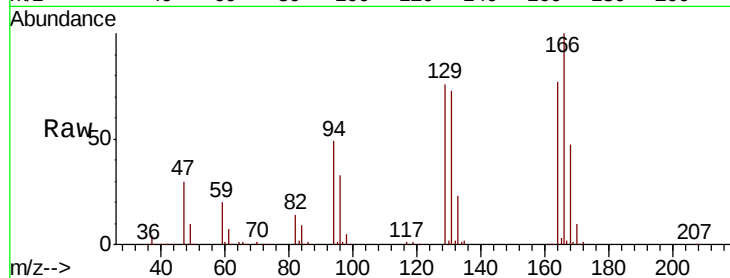
Ion Ratio Lower Upper

97 100

83 293.3 76.1 114.1#

85 39.6 48.9 73.3#

99 13.8 52.0 78.0#

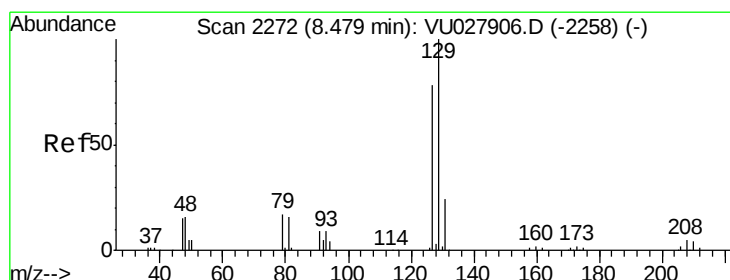
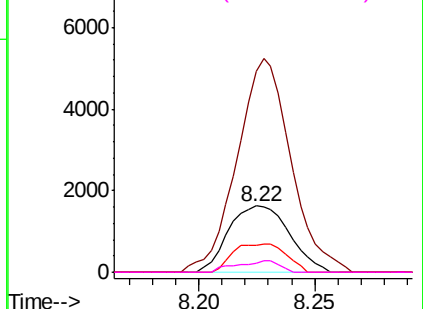
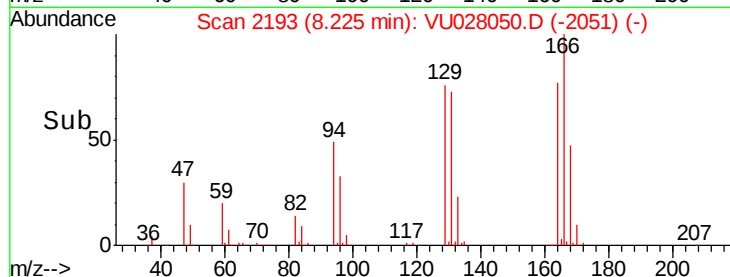


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#60

Dibromochloromethane

Concen: 107.410 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028050.D

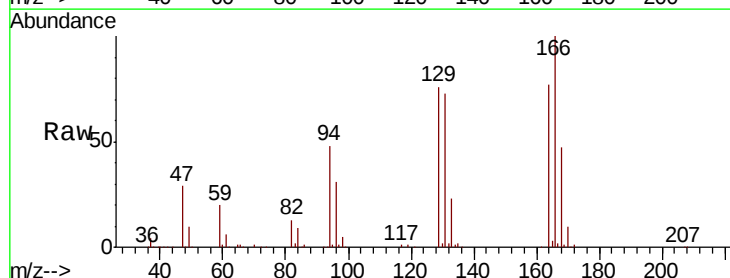
Acq: 09 Nov 2018 17:21

Tgt Ion: 129 Resp: 286124

Ion Ratio Lower Upper

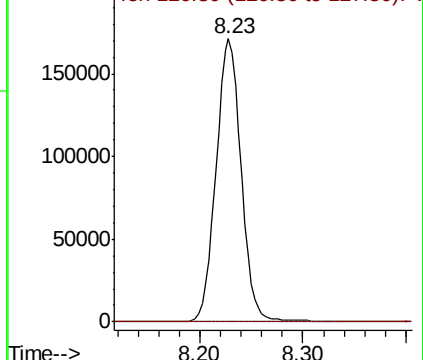
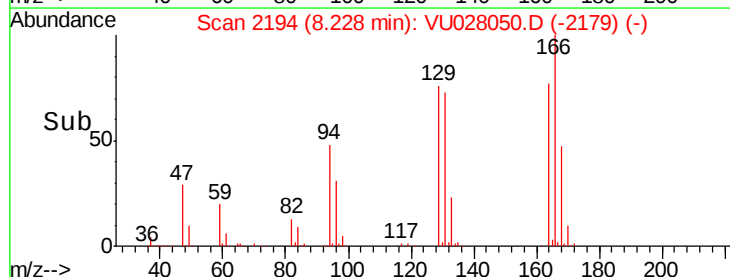
129 100

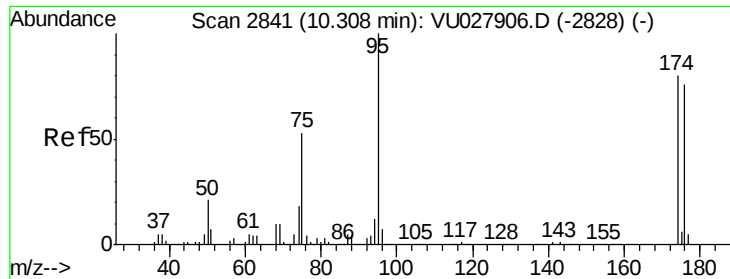
127 0.0 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.853 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028050.D

Acq: 09 Nov 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

MW-8

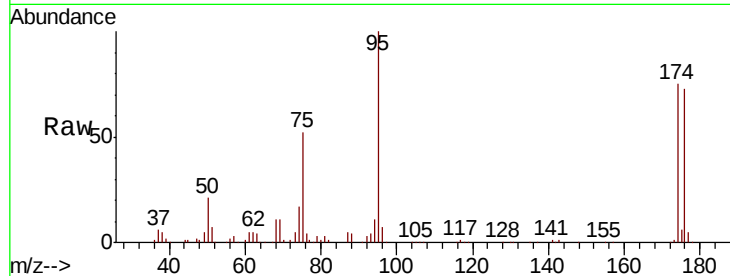
Tot Ion: 95 Resp: 151408

Ion Ratio Lower Upper

95 100

174 75.3 0.0 156.4

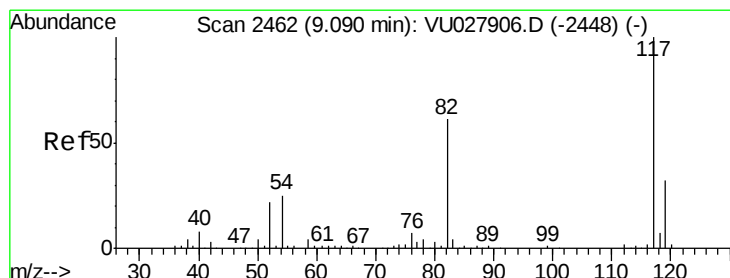
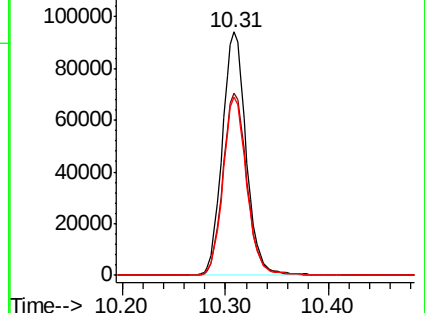
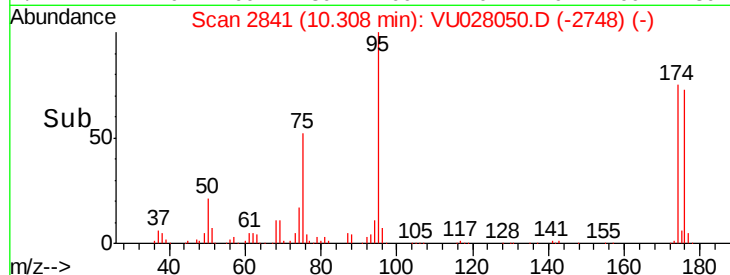
176 72.8 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU028050.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU028050.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU028050.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028050.D

Acq: 09 Nov 2018 17:21

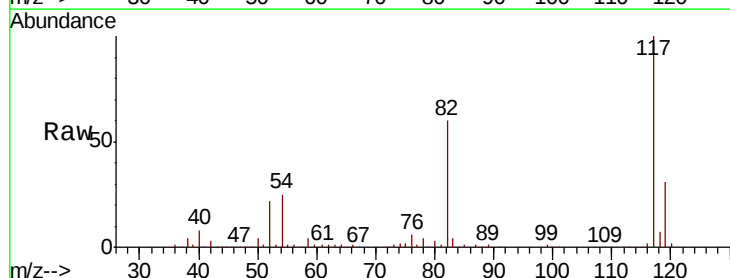
Tgt Ion: 117 Resp: 323907

Ion Ratio Lower Upper

117 100

82 60.4 48.6 73.0

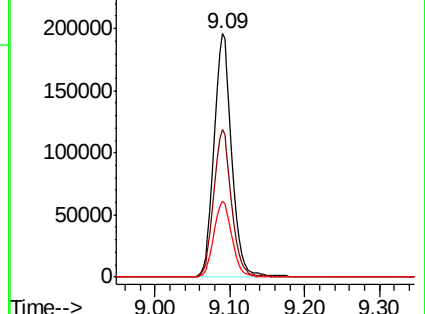
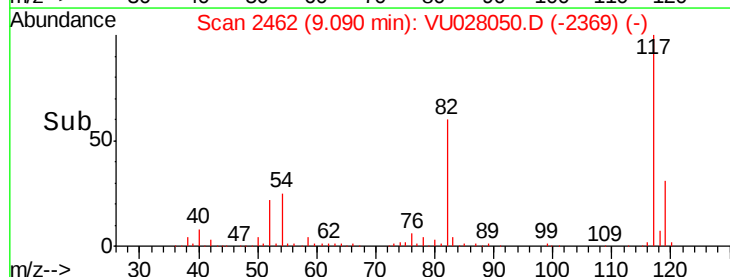
119 30.9 25.8 38.8

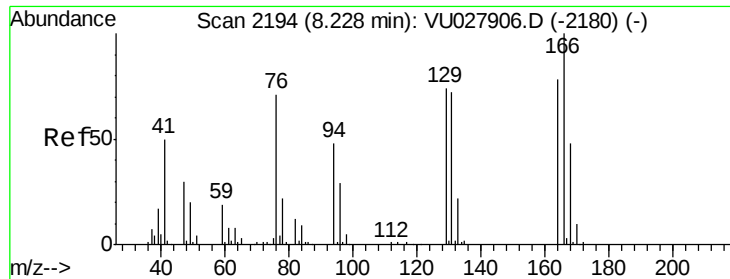


Abundance Ion 116.90 (116.60 to 117.60): VU028050.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU028050.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU028050.D (-2369) (-)





#64

Tetrachloroethene

Concen: 141.372 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028050.D

Acq: 09 Nov 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

MW-8

Tot Ion:164 Resp: 296923

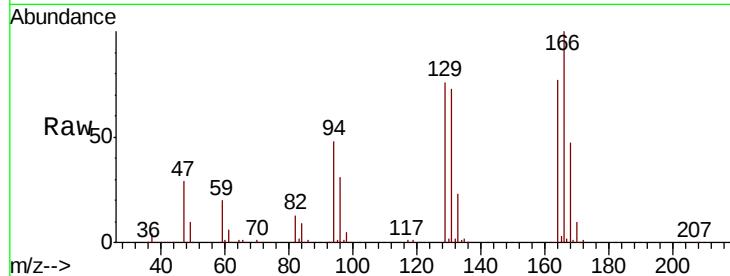
Ion Ratio Lower Upper

164 100

166 129.1 102.1 153.1

129 97.5 75.9 113.9

131 94.9 73.0 109.6

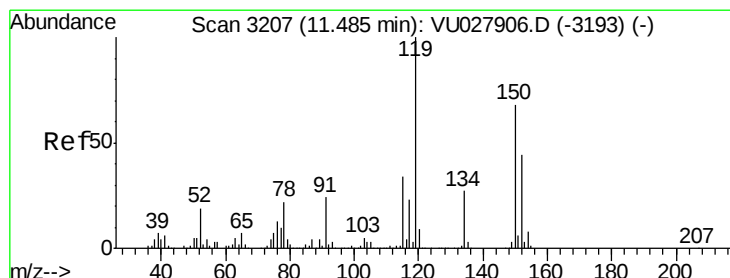
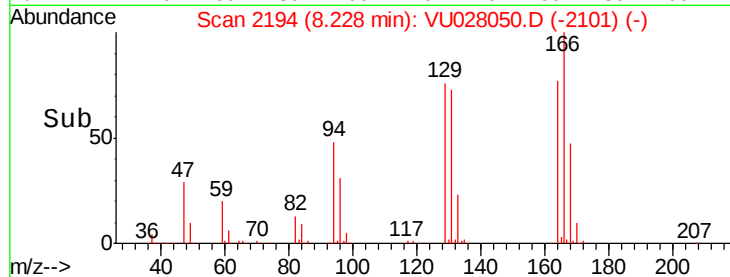
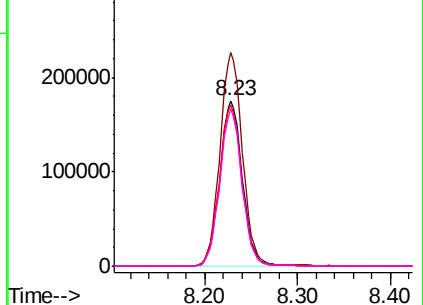


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU028050.D

Acq: 09 Nov 2018 17:21

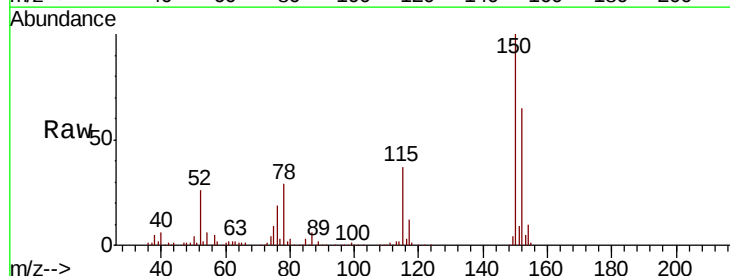
Tgt Ion:152 Resp: 125769

Ion Ratio Lower Upper

152 100

115 58.3 43.0 129.0

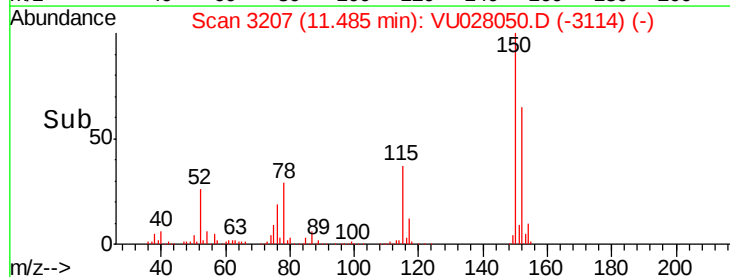
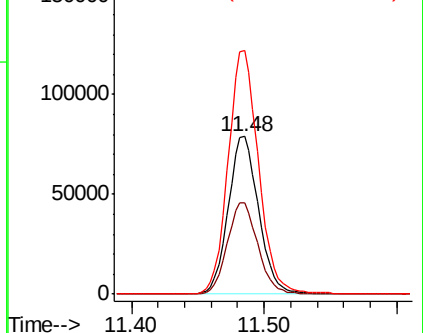
150 154.7 0.0 349.4

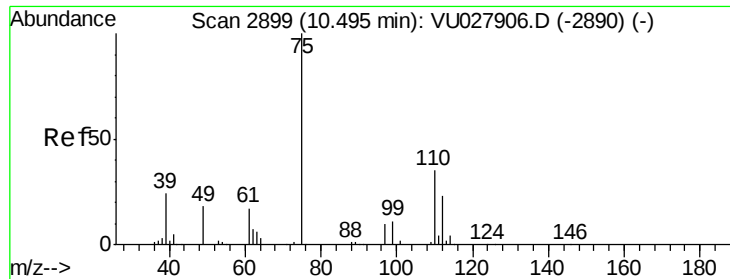


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

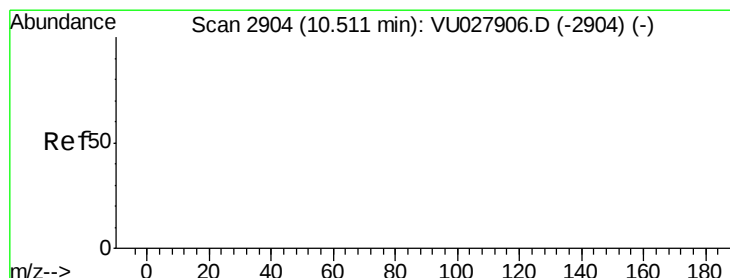
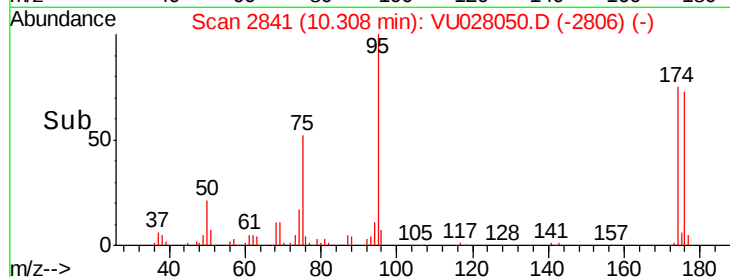
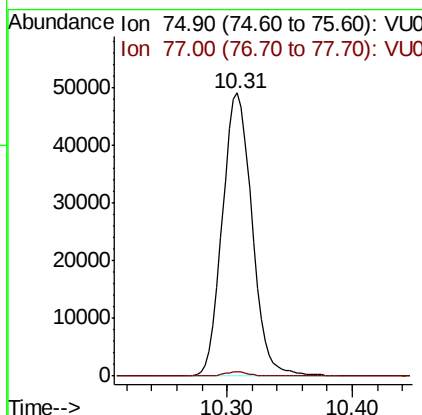
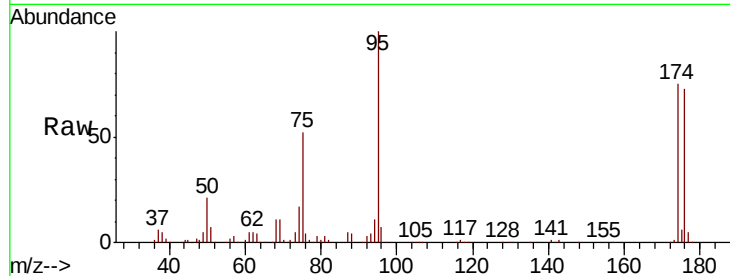




#76
 1,2,3-Trichloropropane
 Concen: 23.474 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU028050.D
 Acq: 09 Nov 2018 17:21

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-8

Tot Ion: 75 Resp: 80754
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.6 64.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.564 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028050.D
 Acq: 09 Nov 2018 17:21

Tgt Ion: 75 Resp: 80754
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

