

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\
 Data File : VU028062.D
 Acq On : 12 Nov 2018 14:09
 Operator : MD/SY
 Sample : J5885-05DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-3DL

Quant Time: Nov 13 02:44:50 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	171672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	326969	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	103414	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	150465	58.95	ug/l	0.00
Spiked Amount						
			Recovery	=	117.90%	
35) Dibromofluoromethane	4.89	113	110661	53.68	ug/l	0.00
Spiked Amount						
			Recovery	=	107.36%	
50) Toluene-d8	7.57	98	428297	53.78	ug/l	0.00
Spiked Amount						
			Recovery	=	107.56%	
62) 4-Bromofluorobenzene	10.31	95	133157	45.33	ug/l	0.00
Spiked Amount						
			Recovery	=	90.66%	

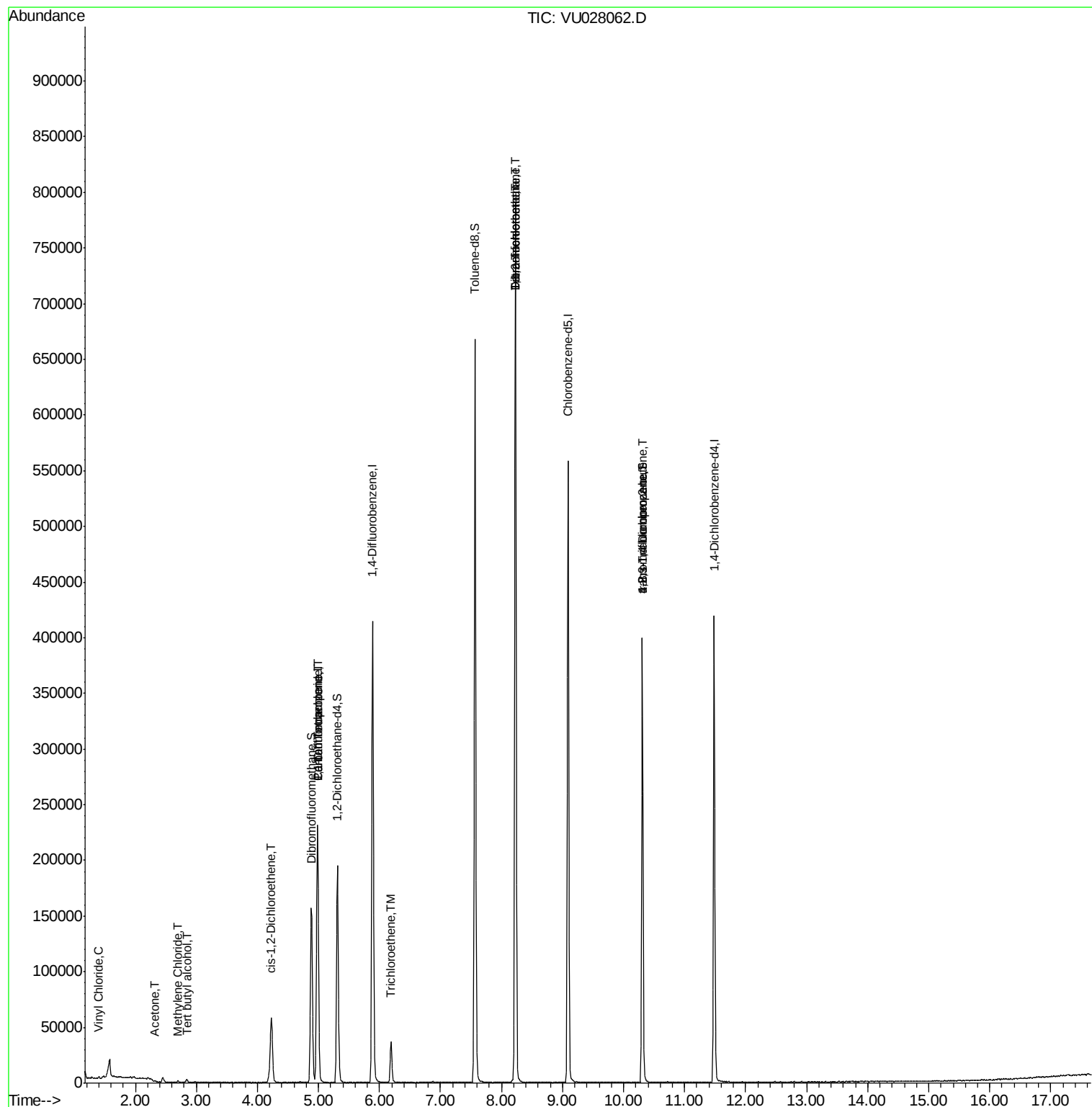
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	824	0.315	ug/l	95
11) Tert butyl alcohol	2.85	59	1683	2.491	ug/l #	73
13) Acrolein	2.17	56	47	Below Cal	#	74
16) Acetone	2.32	43	1042	0.658	ug/l #	44
20) Methylene Chloride	2.70	84	571	0.247	ug/l #	85
27) cis-1,2-Dichloroethene	4.23	96	30501	13.099	ug/l	91
31) Cyclohexane	4.99	56	4091	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16037	4.683	ug/l #	49
38) Carbon Tetrachloride	4.98	117	18178	5.990	ug/l #	17
44) Trichloroethene	6.19	130	11883	5.280	ug/l	99
55) 1,1,2-Trichloroethane	8.22	97	1598	0.638	ug/l #	1
60) Dibromochloromethane	8.23	129	163051	68.808	ug/l #	10
64) Tetrachloroethene	8.23	164	167536	90.974	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	70746	25.010	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	70746	62.380	ug/l #	100
95) Naphthalene	13.87	128	43	Below Cal	#	69

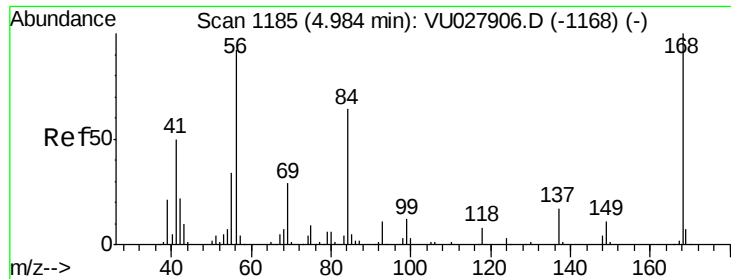
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028062.D

Acq: 12 Nov 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

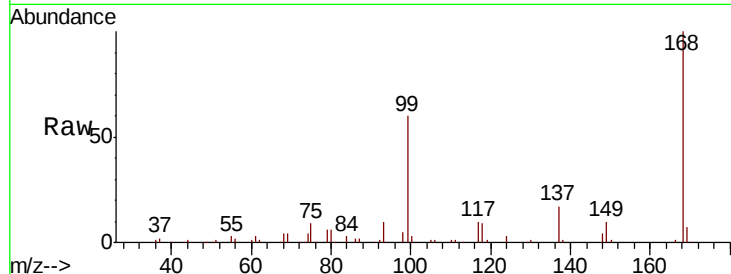
MW-3DL

Tot Ion:168 Resp: 171672

Ion Ratio Lower Upper

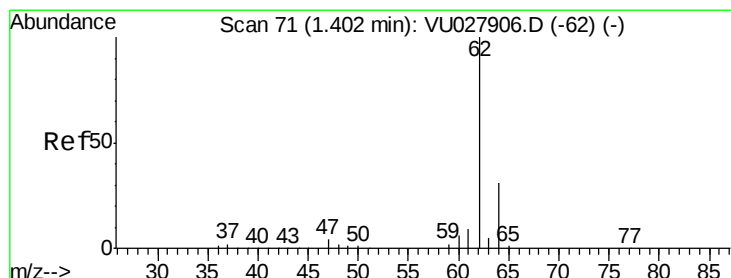
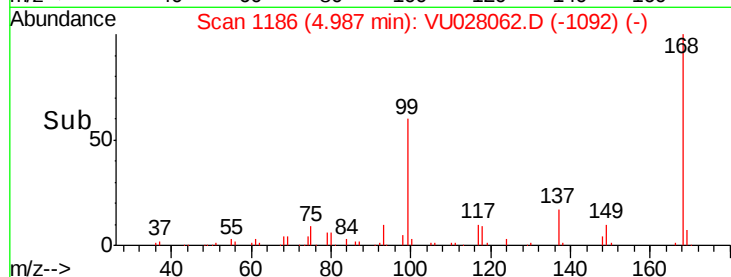
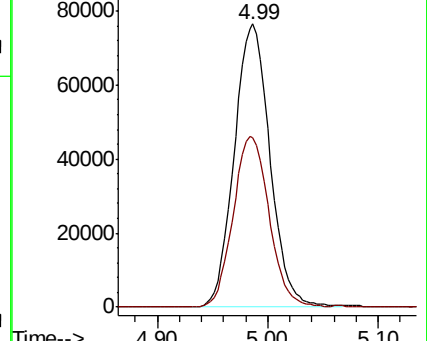
168 100

99 60.1 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)



#4

Vinyl Chloride

Concen: 0.315 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028062.D

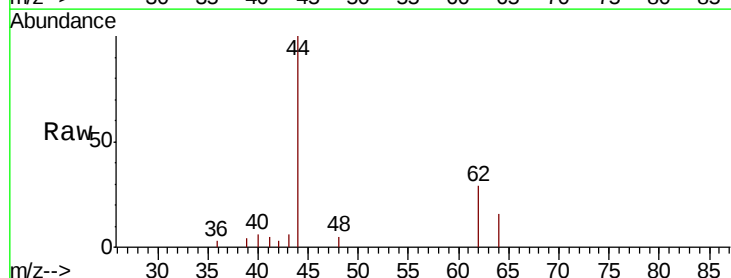
Acq: 12 Nov 2018 14:09

Tgt Ion: 62 Resp: 824

Ion Ratio Lower Upper

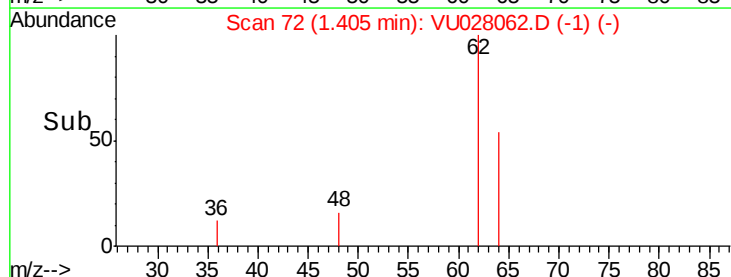
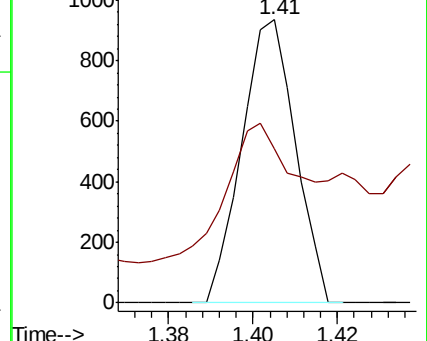
62 100

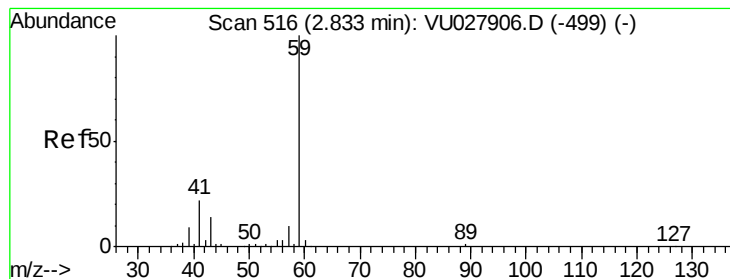
64 34.3 25.2 37.8



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

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)



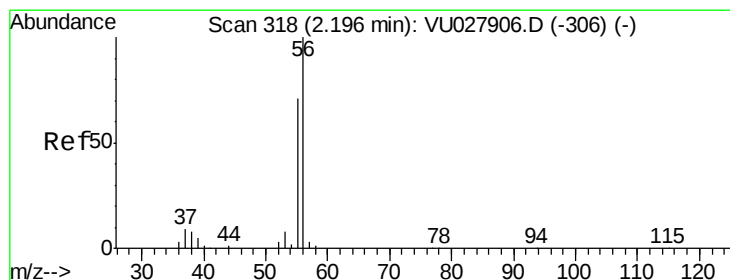
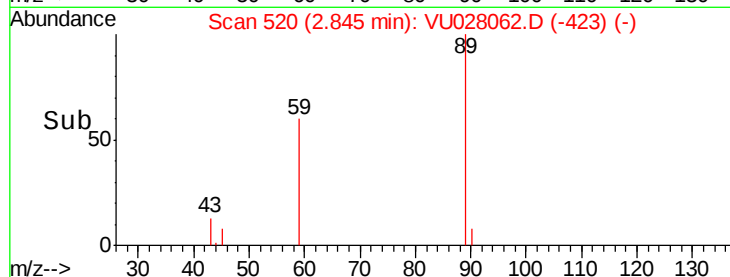
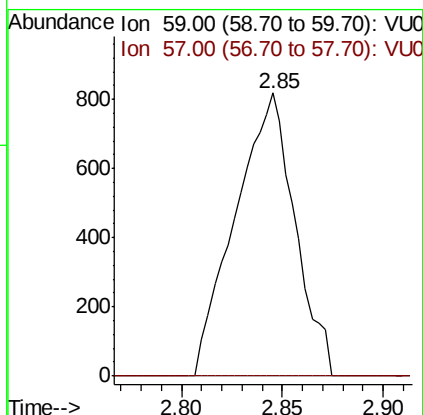
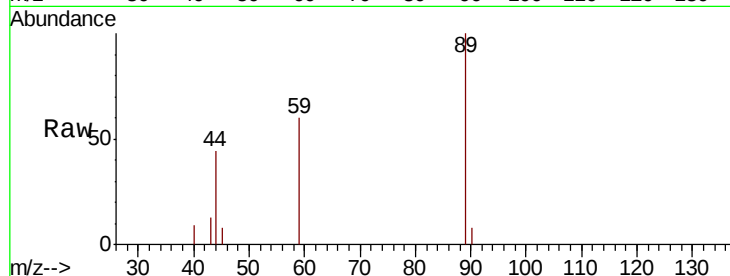


#11

Tert butyl alcohol
 Concen: 2.491 ug/l
 RT: 2.85 min Scan# 520
 Delta R.T. 0.01 min
 Lab File: VU028062.D
 Acq: 12 Nov 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleID :
 MW-3DL

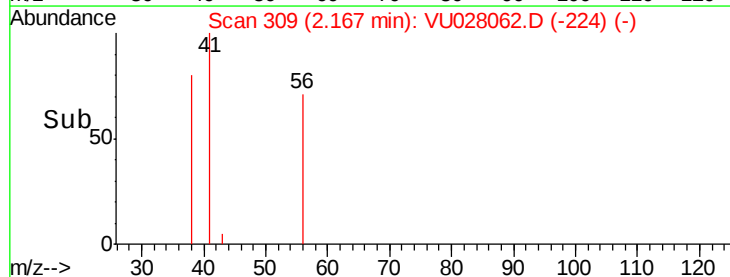
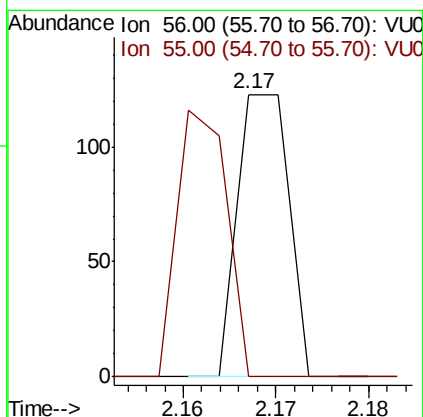
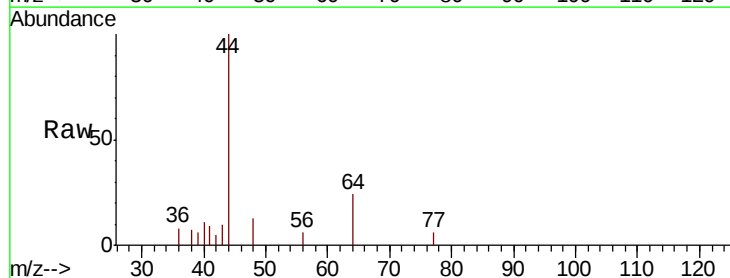
Tot Ion: 59 Resp: 1683
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

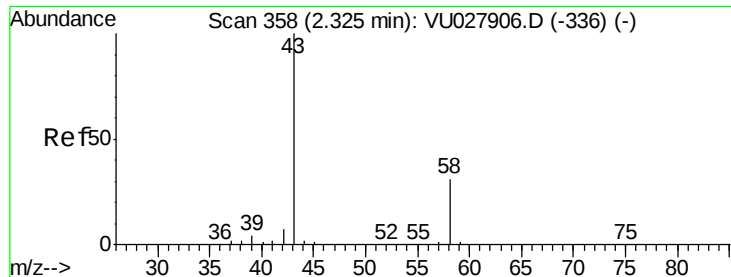


#13

Acrolein
 Concen: Below Cal
 RT: 2.17 min Scan# 309
 Delta R.T. -0.03 min
 Lab File: VU028062.D
 Acq: 12 Nov 2018 14:09

Tgt Ion: 56 Resp: 47
 Ion Ratio Lower Upper
 56 100
 55 91.5 56.2 84.4#





#16

Acetone

Concen: 0.658 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.01 min

Lab File: VU028062.D

Acq: 12 Nov 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

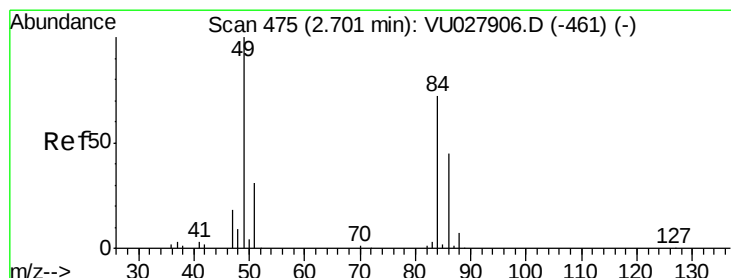
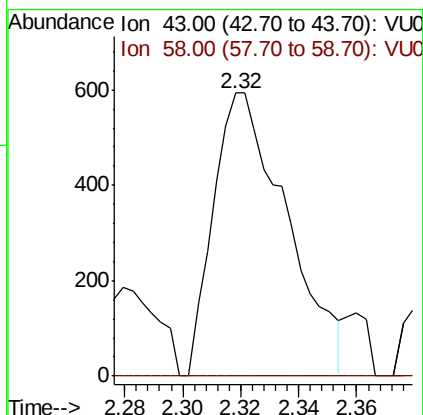
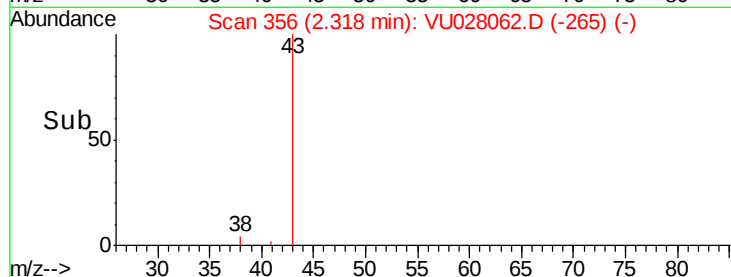
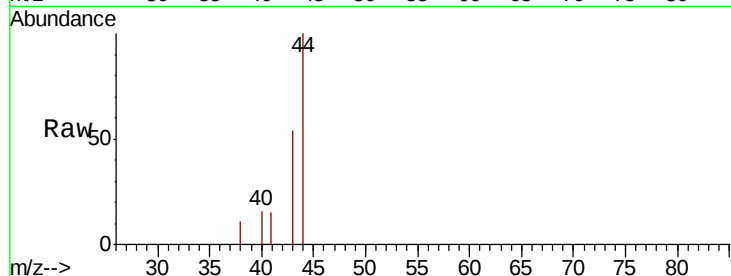
MW-3DL

Tot Ion: 43 Resp: 1042

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#20

Methylene Chloride

Concen: 0.247 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU028062.D

Acq: 12 Nov 2018 14:09

Tgt Ion: 84 Resp: 571

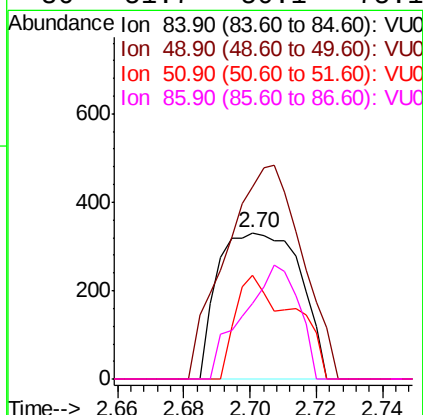
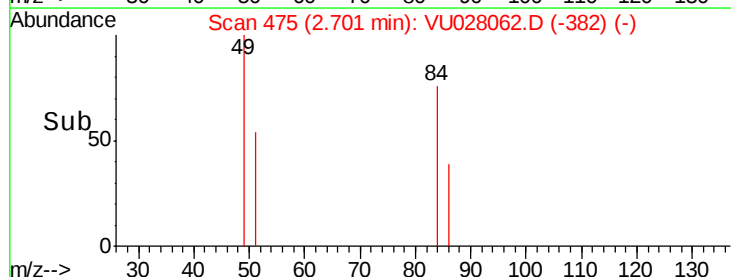
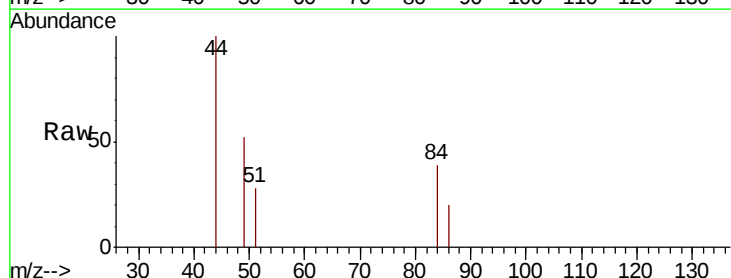
Ion Ratio Lower Upper

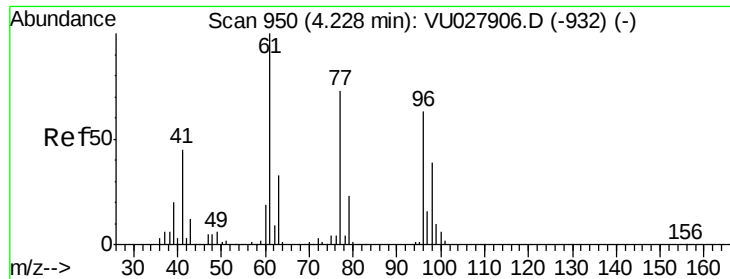
84 100

49 131.7 111.6 167.4

51 71.3 34.8 52.2#

86 51.7 50.1 75.1



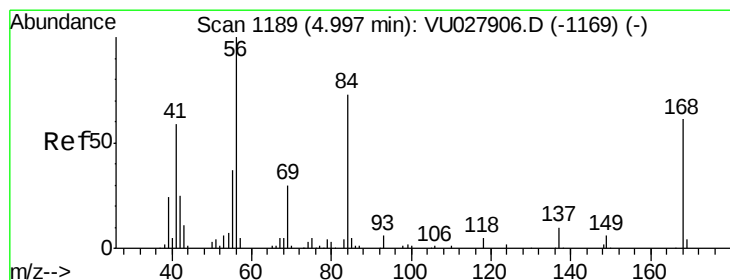
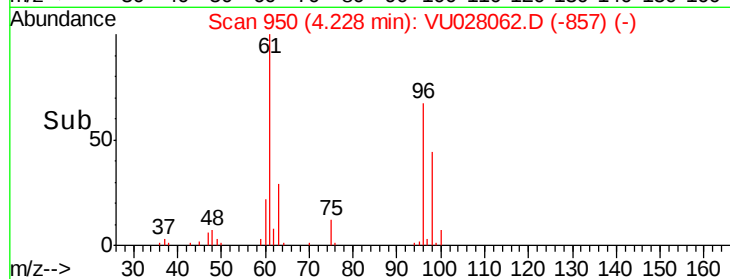
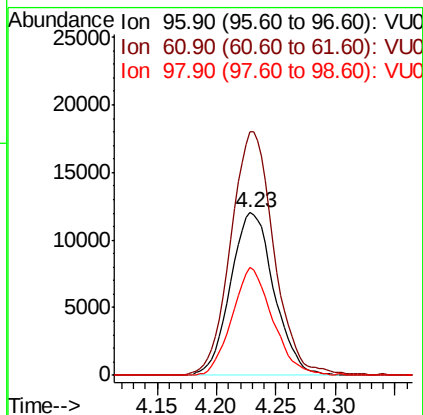
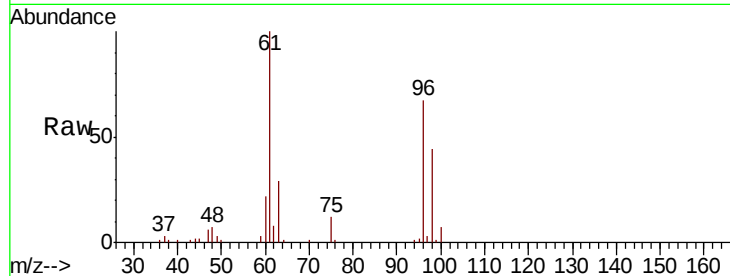


#27

cis-1,2-Dichloroethene
 Concen: 13.099 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028062.D
 Acq: 12 Nov 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-3DL

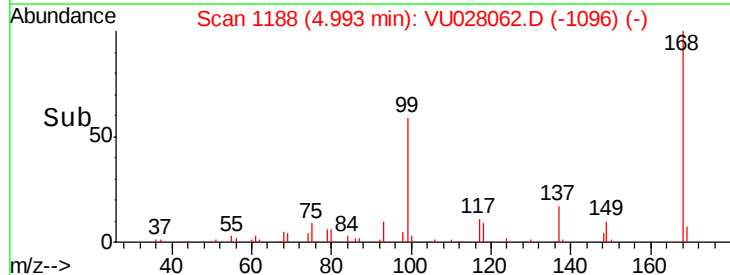
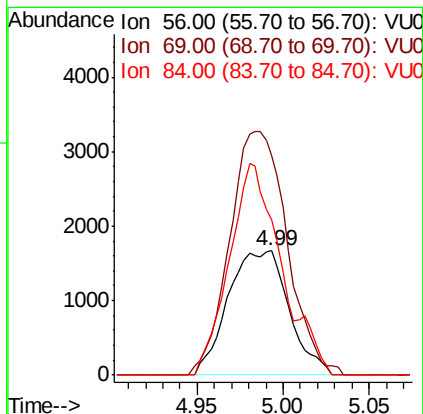
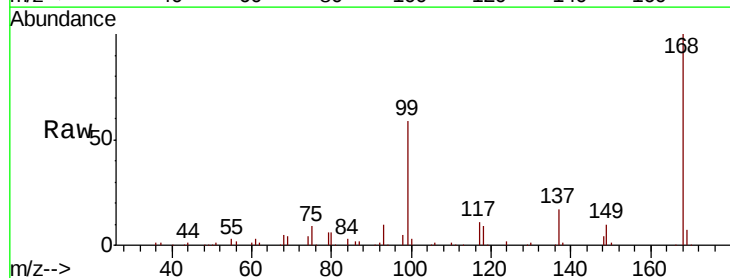
Tot Ion	96	Resp	30501
Ion Ratio	Lower	Upper	
96	100		
61	148.7	0.0	329.6
98	61.5	0.0	127.2

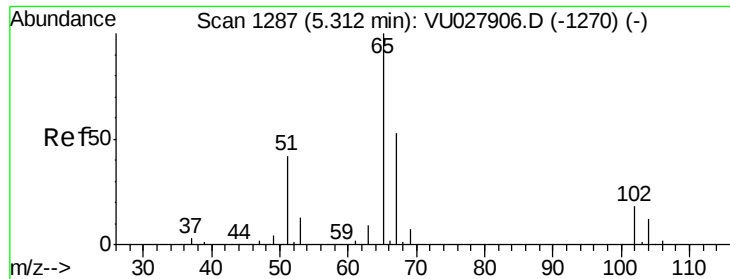


#31

Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU028062.D
 Acq: 12 Nov 2018 14:09

Tgt Ion	56	Resp	4091
Ion Ratio	Lower	Upper	
56	100		
69	177.1	23.7	35.5#
84	125.6	58.2	87.4#





#33

1,2-Dichloroethane-d4

Concen: 58.952 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028062.D

Acq: 12 Nov 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

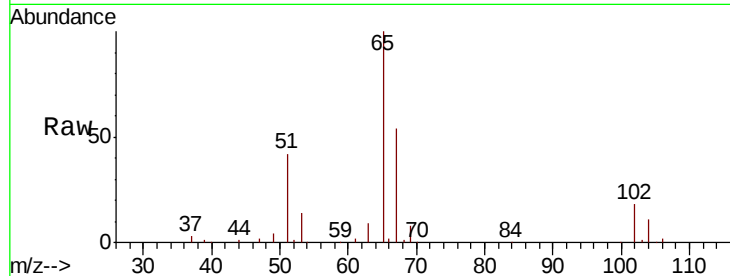
MW-3DL

Tot Ion: 65 Resp: 150465

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)

5.31

80000

60000

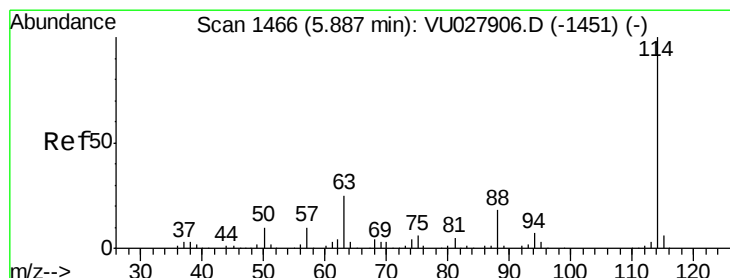
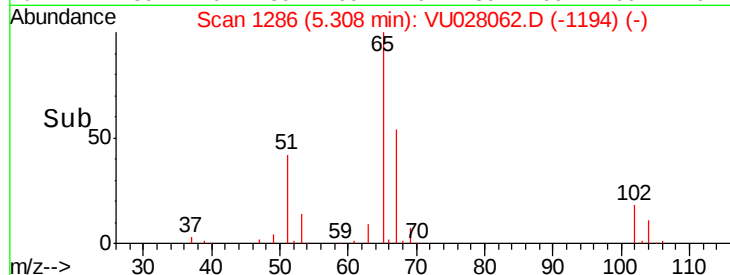
40000

20000

0

Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028062.D

Acq: 12 Nov 2018 14:09

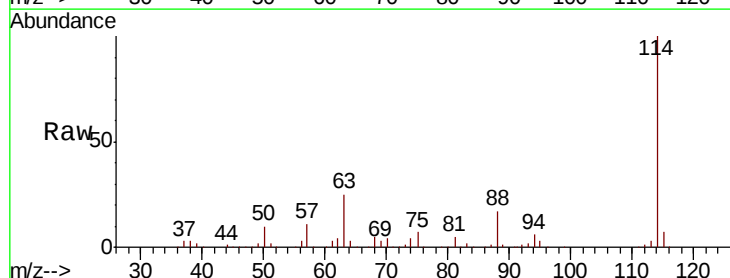
Tgt Ion: 114 Resp: 326969

Ion Ratio Lower Upper

114 100

63 25.2 0.0 50.8

88 17.4 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): VU027906.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU027906.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU027906.D (-1451) (-)

5.89

200000

150000

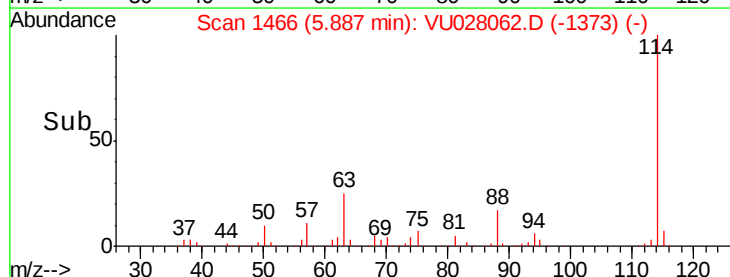
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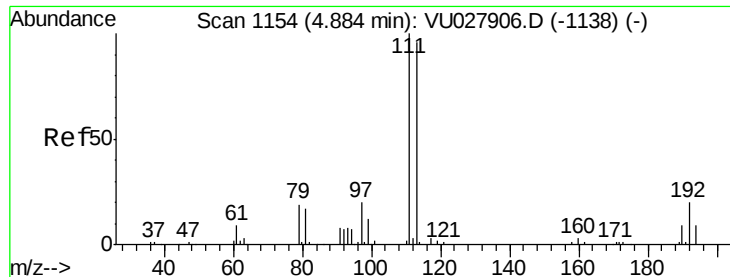
50000

0

Time-->

5.80 5.90 6.00

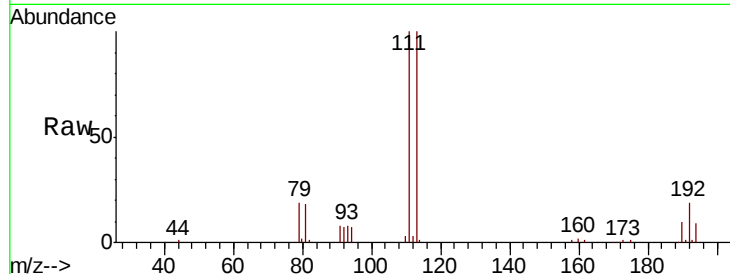




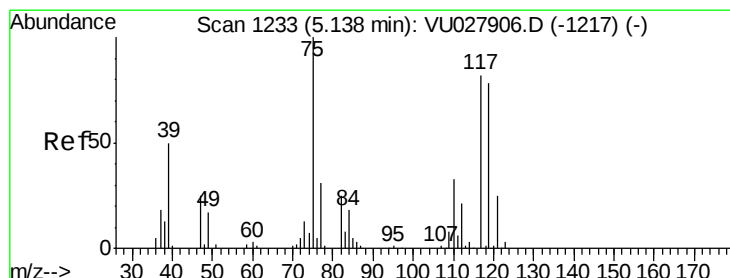
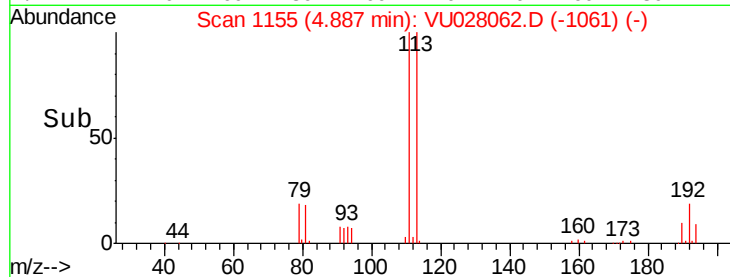
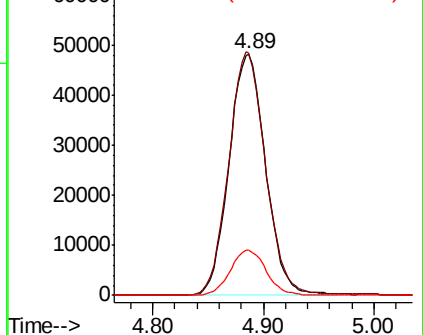
#35
 Dibromofluoromethane
 Concen: 53.677 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU028062.D
 Acq: 12 Nov 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-3DL

Tot Ion:113 Resp: 110661
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.0 124.6
 192 18.4 15.6 23.4

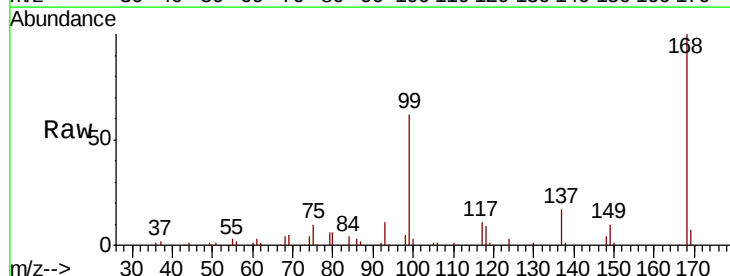


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

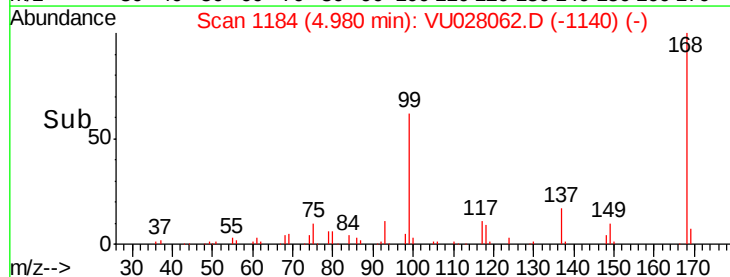
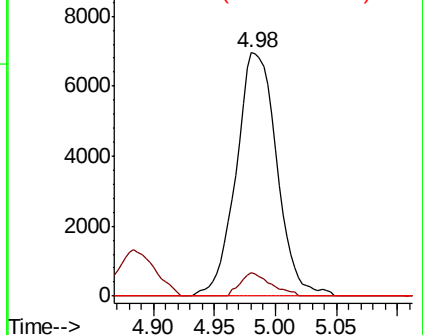


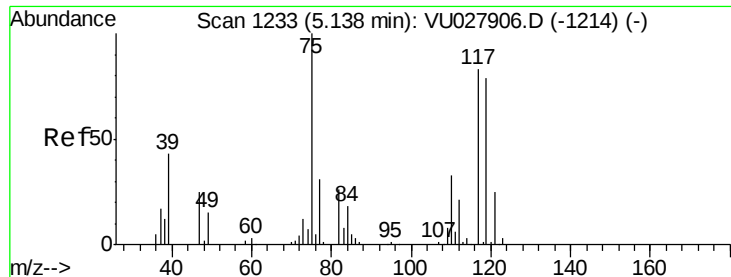
#36
 1,1-Dichloropropene
 Concen: 4.683 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028062.D
 Acq: 12 Nov 2018 14:09

Tgt Ion: 75 Resp: 16037
 Ion Ratio Lower Upper
 75 100
 110 7.2 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: 5.990 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028062.D

Acq: 12 Nov 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

MW-3DL

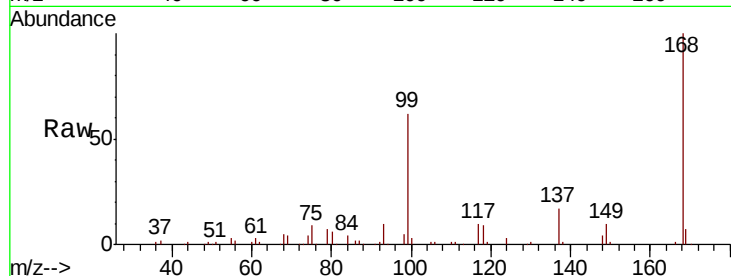
Tot Ion:117 Resp: 18178

Ion Ratio Lower Upper

117 100

119 5.8 76.0 114.0#

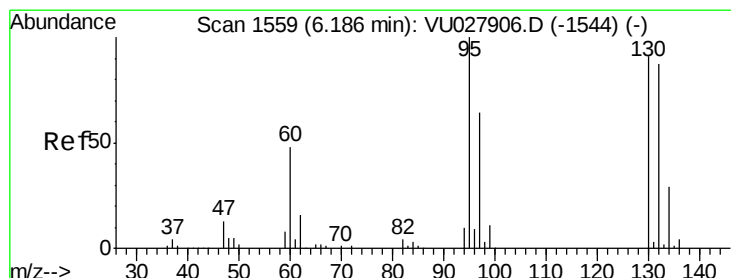
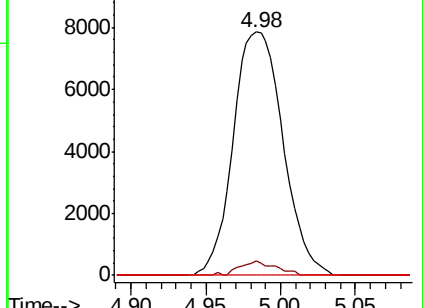
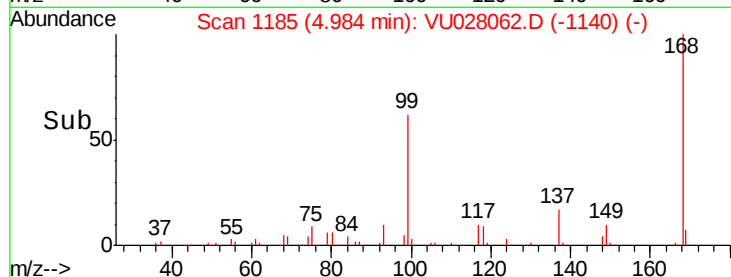
121 0.0 24.5 36.7#



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: 5.280 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028062.D

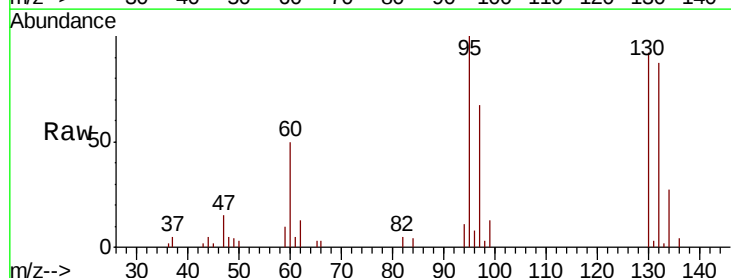
Acq: 12 Nov 2018 14:09

Tgt Ion:130 Resp: 11883

Ion Ratio Lower Upper

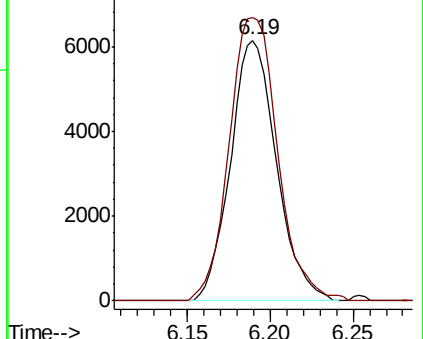
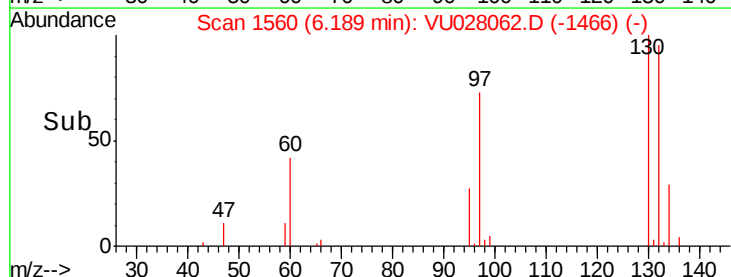
130 100

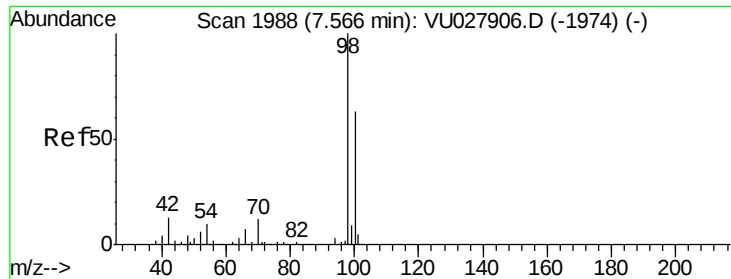
95 108.7 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

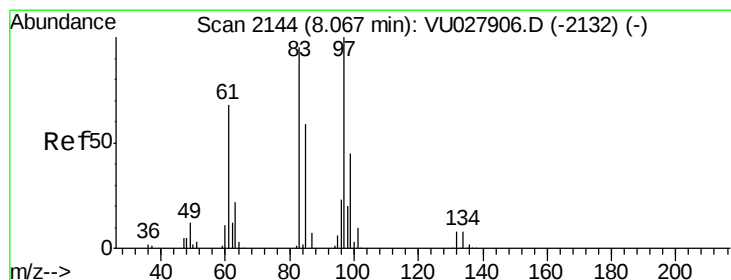
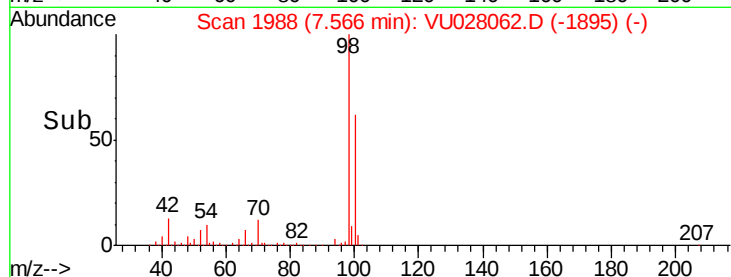
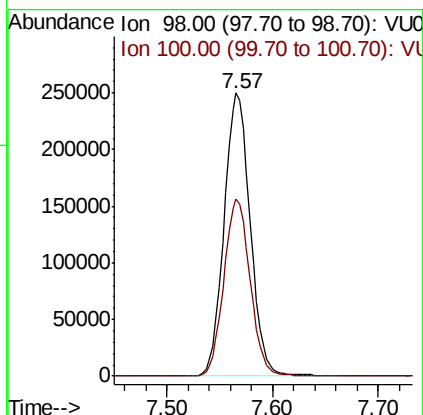
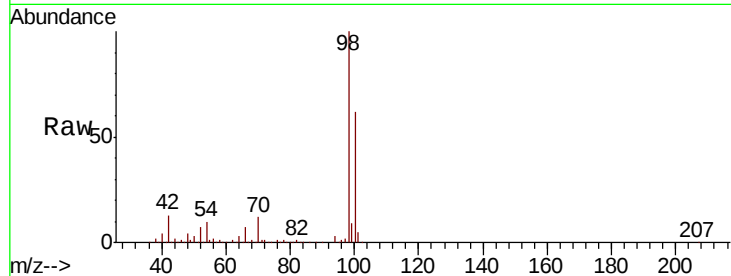




#50
Toluene-d8
Concen: 53.781 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028062.D
Acq: 12 Nov 2018 14:09

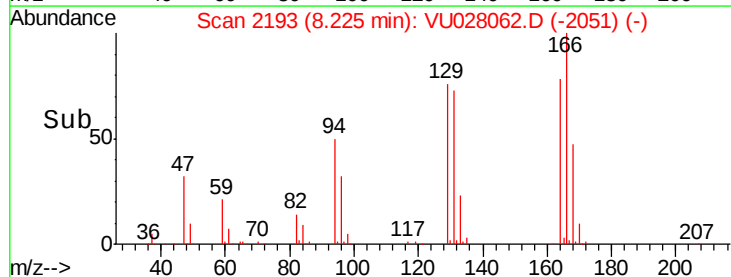
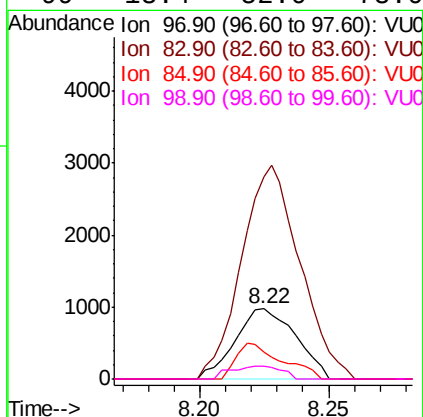
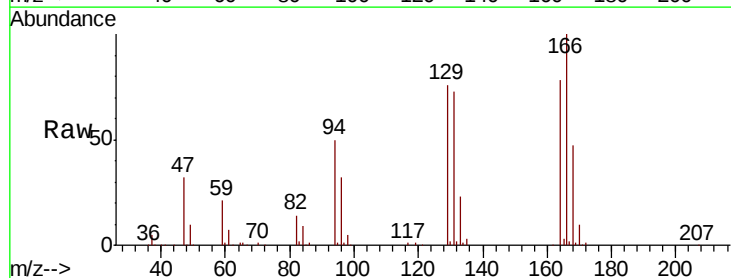
Instrument :
MSVOA_U
ClientSampleId :
MW-3DL

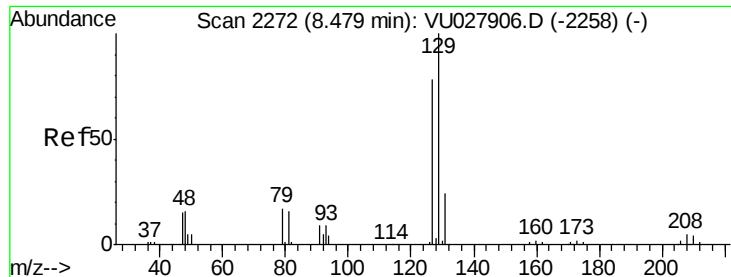
Tot Ion: 98 Resp: 428297
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1



#55
1,1,2-Trichloroethane
Concen: 0.638 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.16 min
Lab File: VU028062.D
Acq: 12 Nov 2018 14:09

Tgt Ion: 97 Resp: 1598
Ion Ratio Lower Upper
97 100
83 288.7 76.1 114.1#
85 38.8 48.9 73.3#
99 18.4 52.0 78.0#

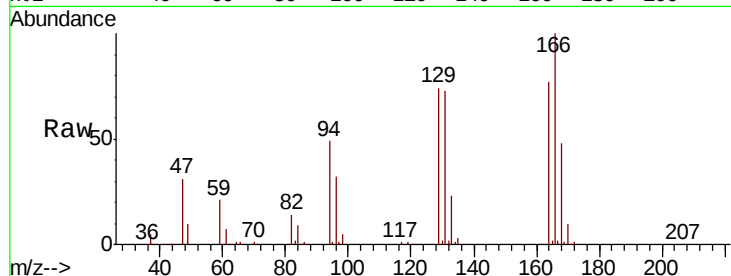




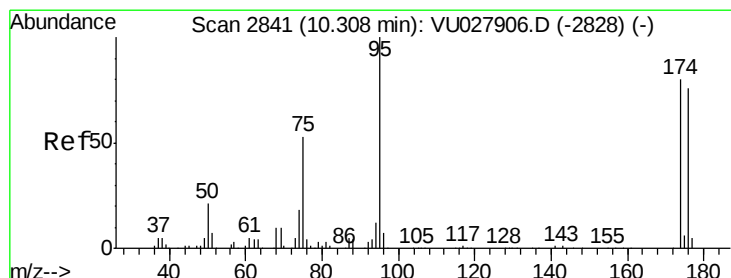
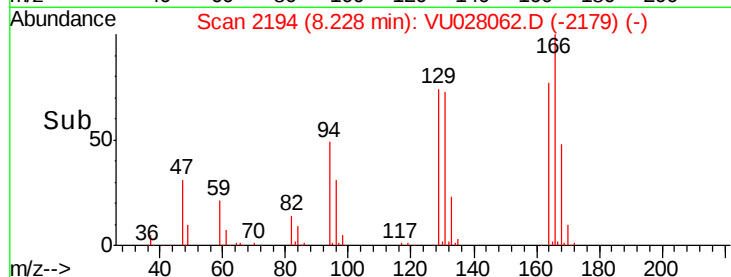
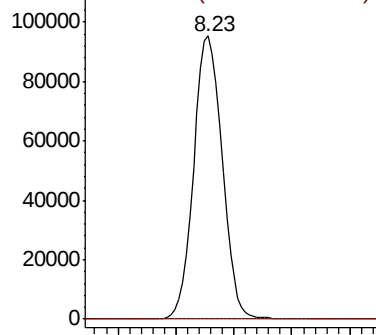
#60
Dibromochloromethane
Concen: 68.808 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028062.D
Acq: 12 Nov 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
MW-3DL

Tot Ion:129 Resp: 163051
Ion Ratio Lower Upper
129 100
127 0.1 39.2 117.6#

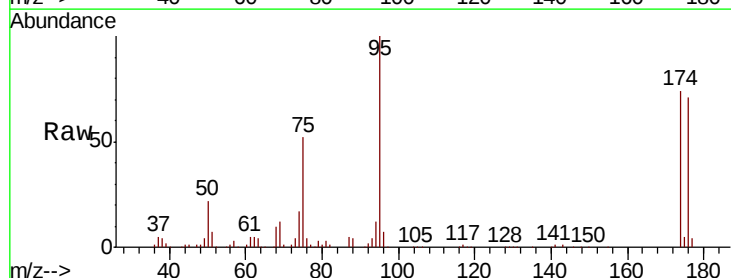


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

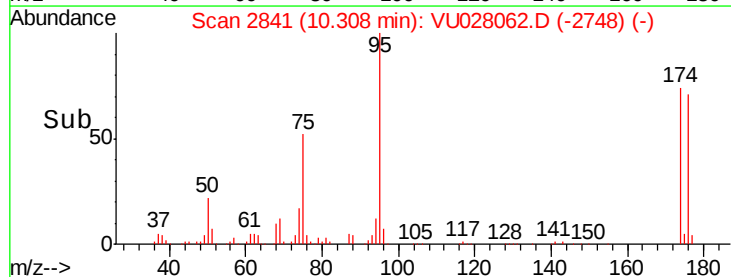
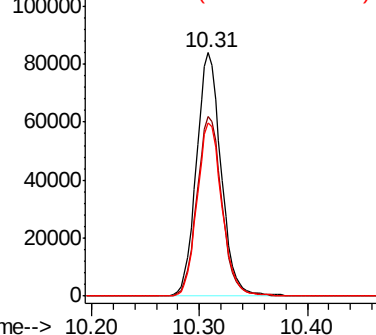


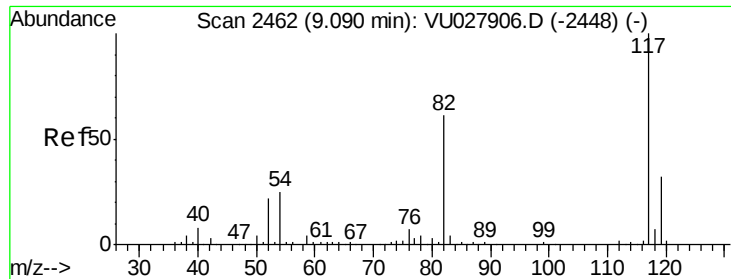
#62
4-Bromofluorobenzene
Concen: 45.332 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028062.D
Acq: 12 Nov 2018 14:09

Tgt Ion: 95 Resp: 133157
Ion Ratio Lower Upper
95 100
174 74.5 0.0 156.4
176 71.4 0.0 150.8



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

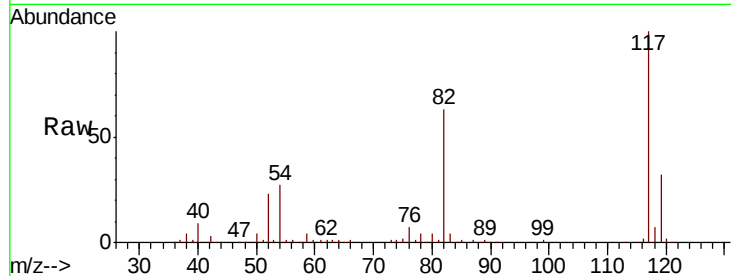




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028062.D
Acq: 12 Nov 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
MW-3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.1	48.6	73.0
119	31.9	25.8	38.8

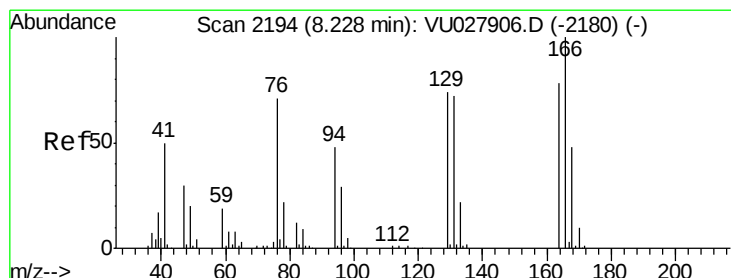
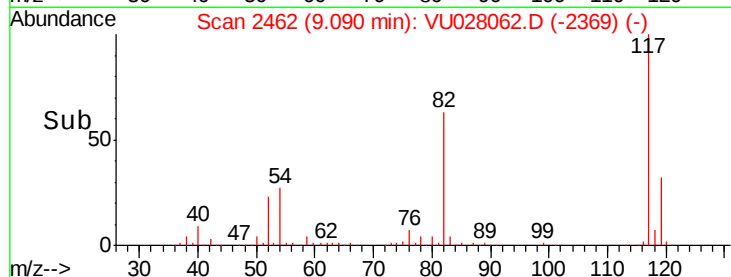
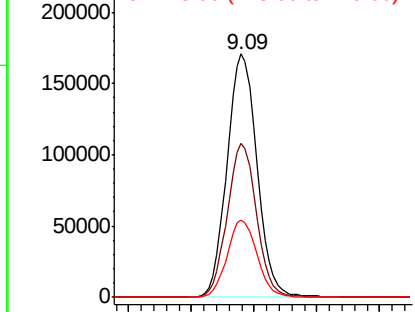


Abundance

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



#64
Tetrachloroethene
Concen: 90.974 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028062.D
Acq: 12 Nov 2018 14:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.1	153.1
129	95.6	75.9	113.9
131	94.1	73.0	109.6

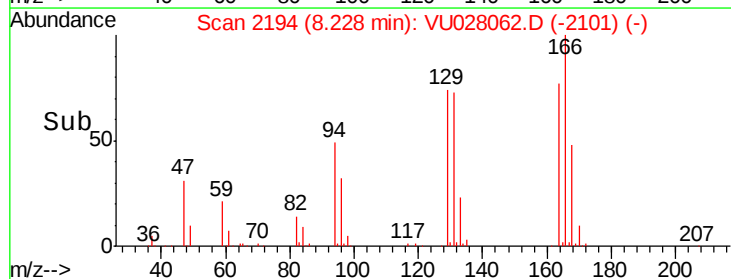
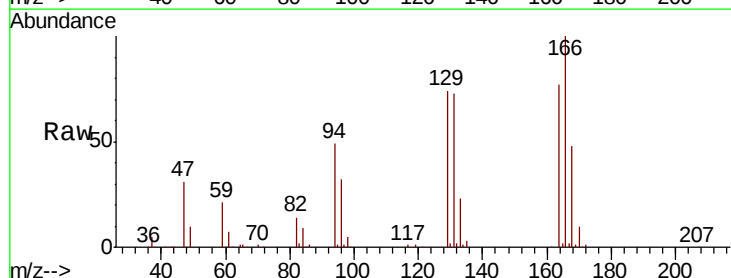
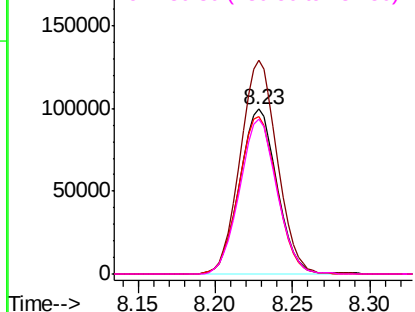
Abundance

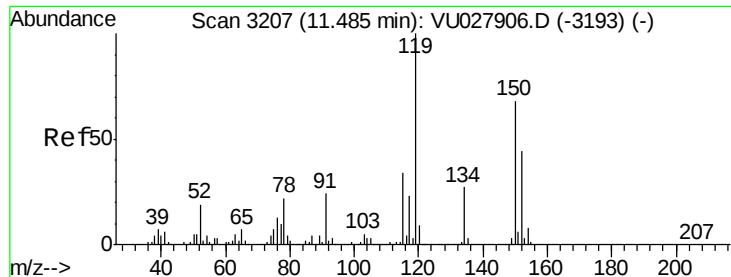
Ion 163.80 (163.50 to 164.50): V

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: VU028062.D

Acq: 12 Nov 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

MW-3DL

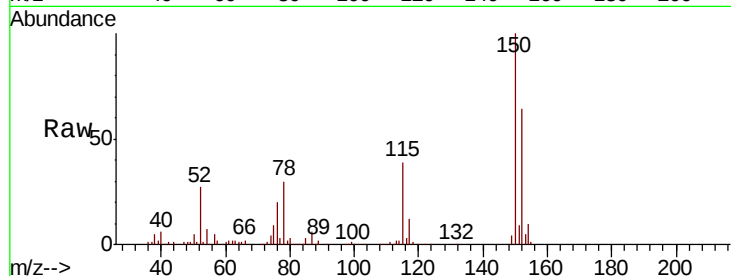
Tot Ion:152 Resp: 103414

Ion Ratio Lower Upper

152 100

115 60.5 43.0 129.0

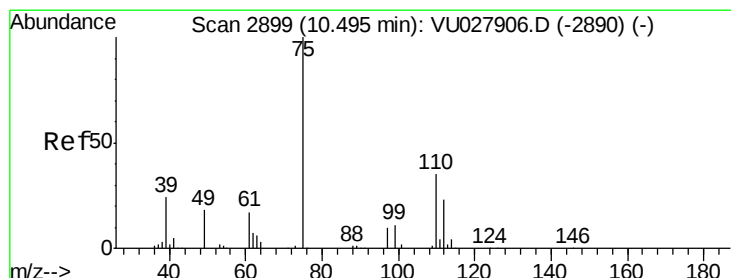
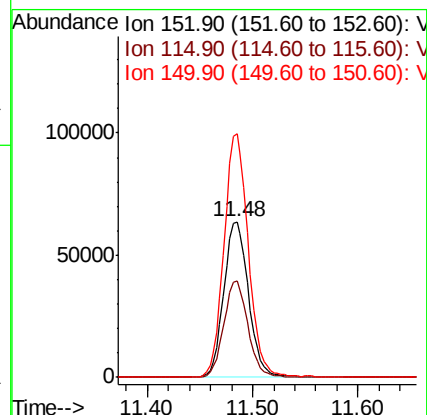
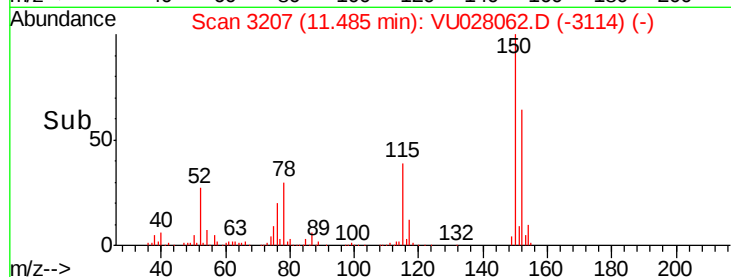
150 153.4 0.0 349.4



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: 25.010 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028062.D

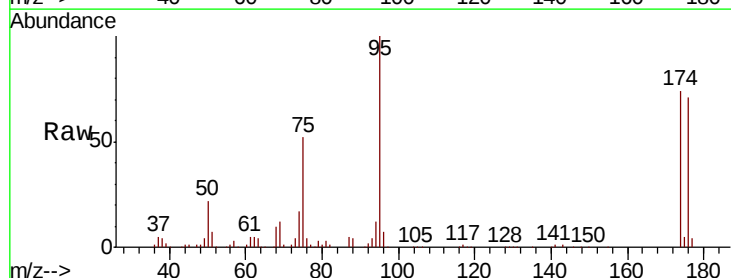
Acq: 12 Nov 2018 14:09

Tgt Ion: 75 Resp: 70746

Ion Ratio Lower Upper

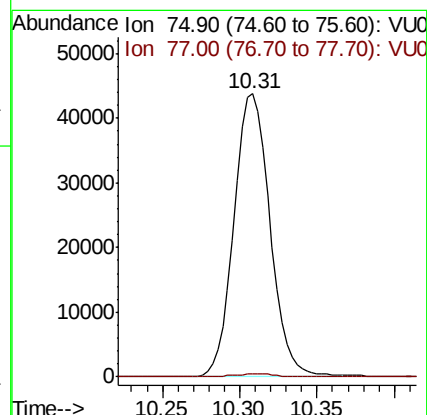
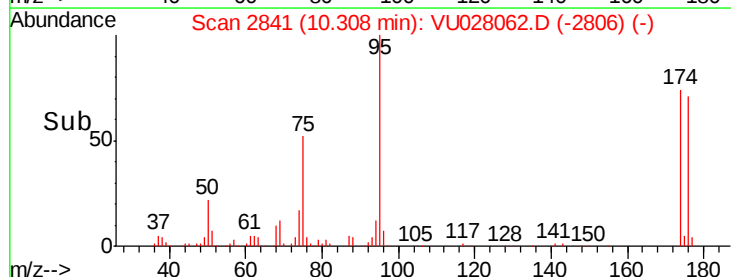
75 100

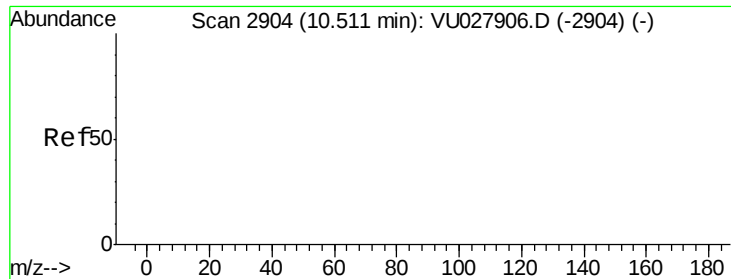
77 1.2 21.6 64.6#



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: 62.380 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028062.D
 Acq: 12 Nov 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-3DL

Tot Ion: 75 Resp: 70746
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

