

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111318\
 Data File : VU028090.D
 Acq On : 13 Nov 2018 14:29
 Operator : MD/SY
 Sample : J5885-03DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 06:58:24 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	4.98	168	269491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	484780	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	423184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	169764	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	200923	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	4.88	113	155565	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	7.57	98	626672	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	
62) 4-Bromofluorobenzene	10.31	95	198471	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	

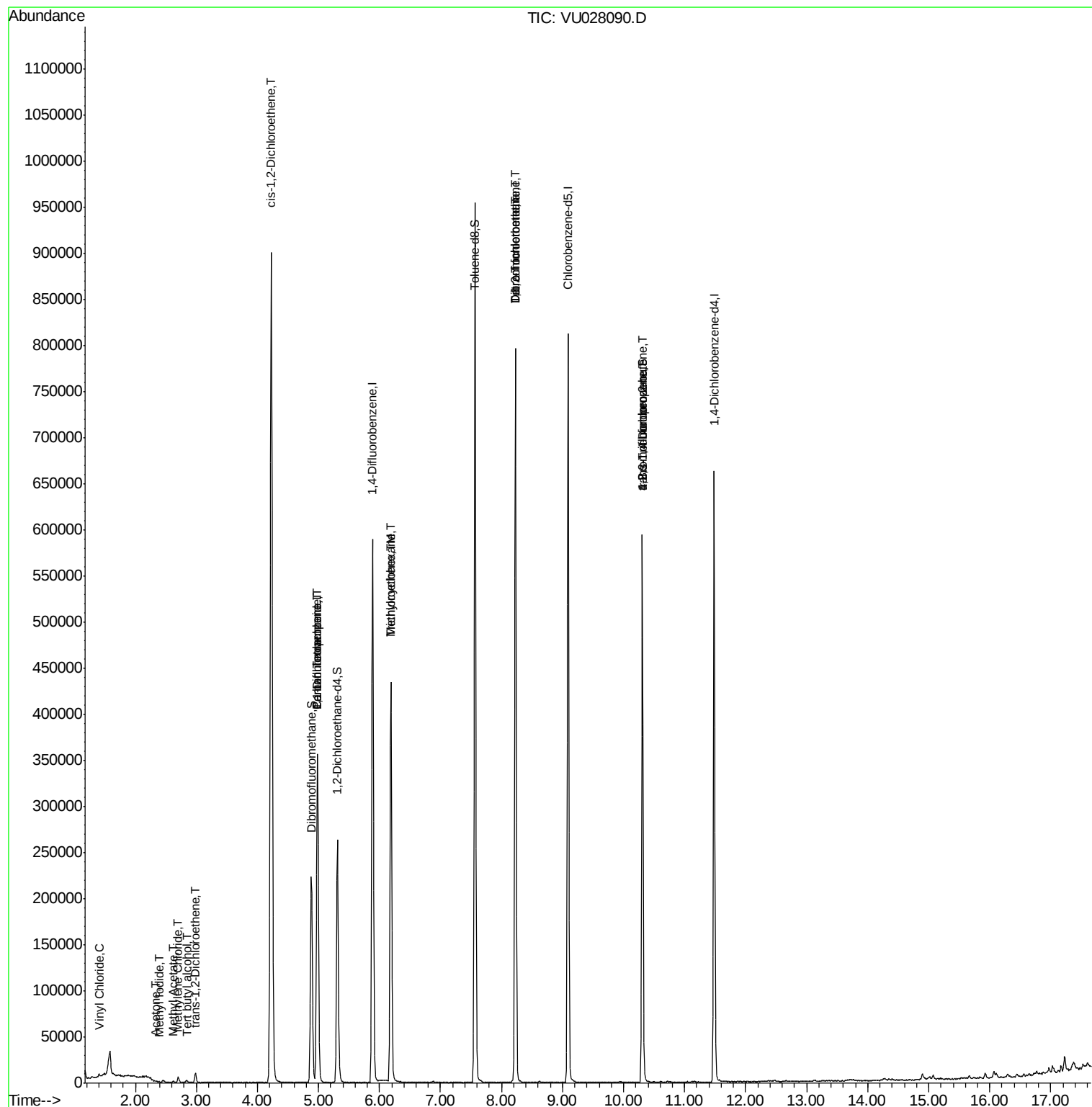
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1758	0.428	ug/l #	84
10) Methyl Iodide	2.40	142	20	7.766	ug/l #	40
11) Tert butyl alcohol	2.84	59	1477	1.392	ug/l #	73
13) Acrolein	2.20	56	203	Below Cal	#	35
16) Acetone	2.32	43	1677	0.675	ug/l #	88
18) Methyl Acetate	2.63	43	1921	0.281	ug/l #	88
20) Methylene Chloride	2.70	84	2730	0.752	ug/l	90
21) trans-1,2-Dichloroethene	2.98	96	3802	1.166	ug/l	95
27) cis-1,2-Dichloroethene	4.23	96	499702	136.712	ug/l	86
31) Cyclohexane	4.98	56	5902	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	23293	4.588	ug/l #	47
38) Carbon Tetrachloride	4.98	117	25586	5.686	ug/l #	15
39) Methylcyclohexane	6.18	83	1633	0.267	ug/l #	1
44) Trichloroethene	6.19	130	148623	44.541	ug/l	92
55) 1,1,2-Trichloroethane	8.23	97	1660	0.447	ug/l #	1
60) Dibromochloromethane	8.23	129	168761	48.034	ug/l #	10
64) Tetrachloroethene	8.23	164	176633	64.370	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	100422	21.626	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	100422	53.975	ug/l #	100
95) Naphthalene	13.77	128	1406	Below Cal	#	90

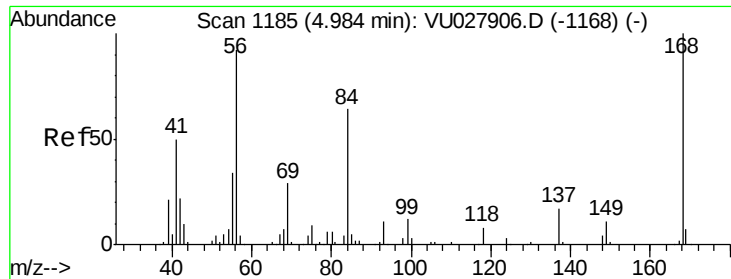
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU111318\
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Quant Time: Nov 14 06:58:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
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: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028090.D

Acq: 13 Nov 2018 14:29

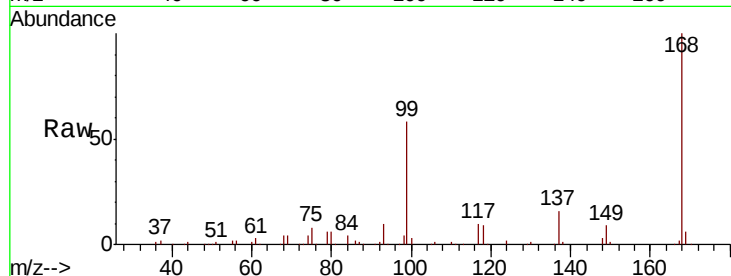
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 269491

Ion Ratio Lower Upper

168 100

99 57.5 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) (-)

4.98

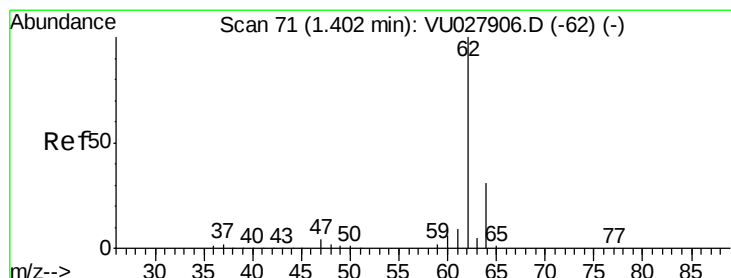
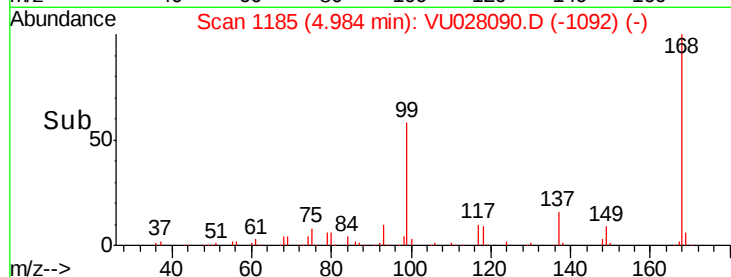
100000

50000

0

Time-->

4.90 5.00 5.10



#4

Vinyl Chloride

Concen: 0.428 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028090.D

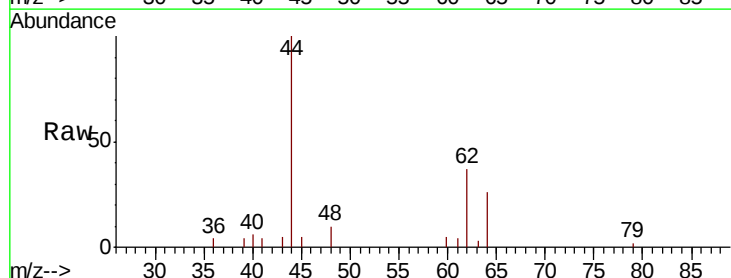
Acq: 13 Nov 2018 14:29

Tgt Ion: 62 Resp: 1758

Ion Ratio Lower Upper

62 100

64 40.2 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) (-)

2000

1500

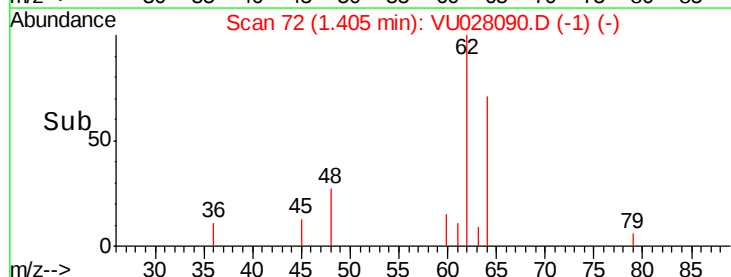
1000

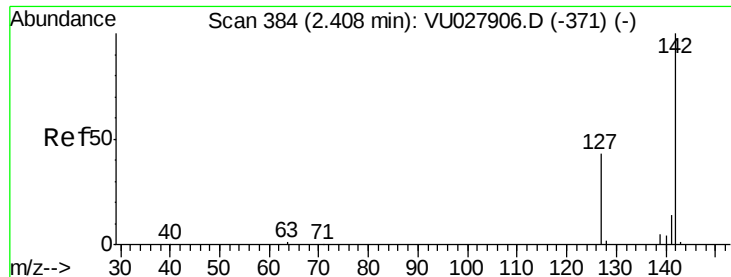
500

0

Time-->

1.36 1.38 1.40 1.42 1.44

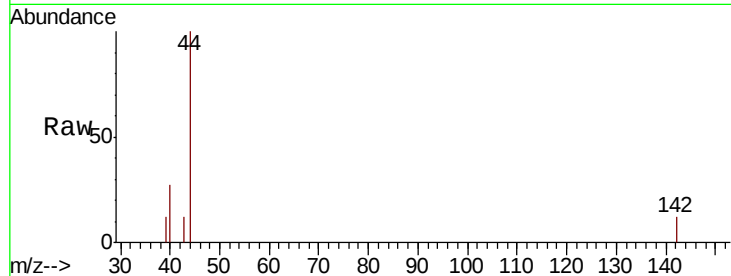




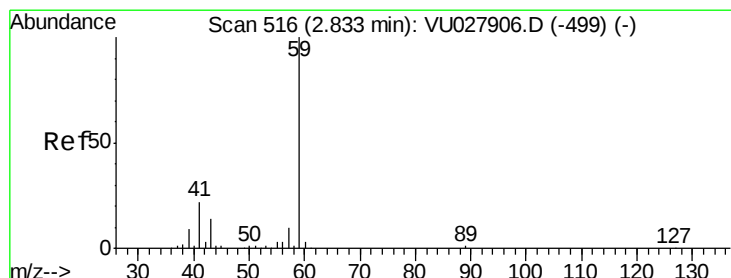
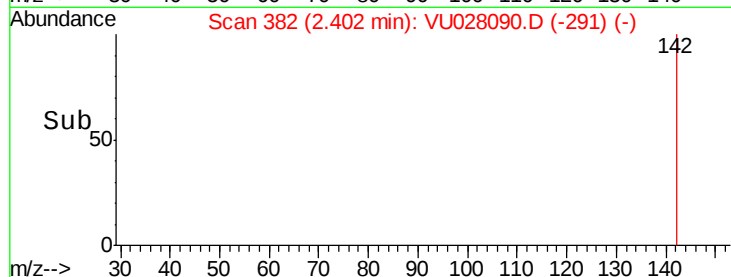
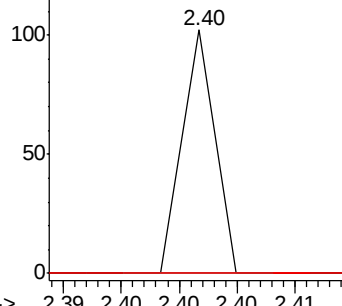
#10
Methyl Iodide
Concen: 7.766 ug/l
RT: 2.40 min Scan# 382
Delta R.T. -0.01 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 35.2 52.8#
141 0.0 11.8 17.8#

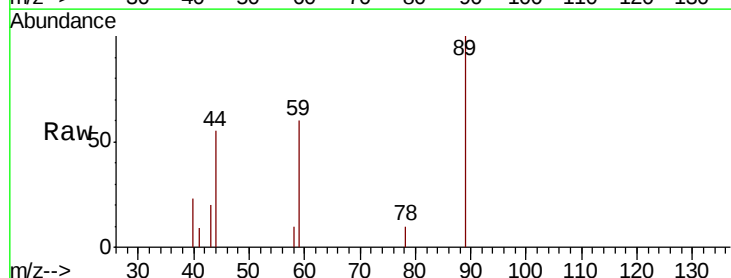


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

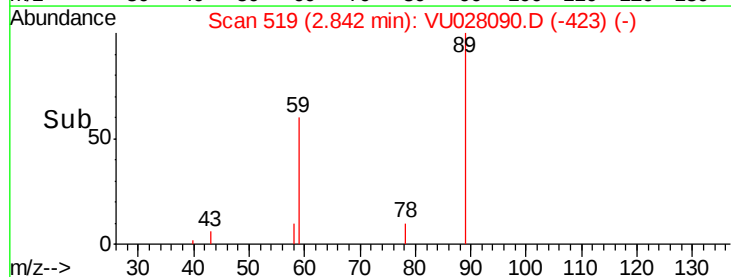
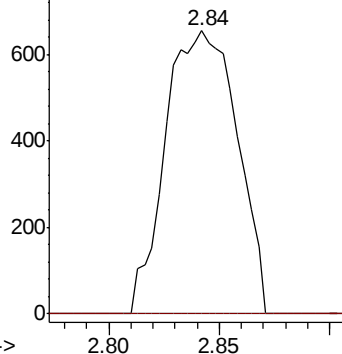


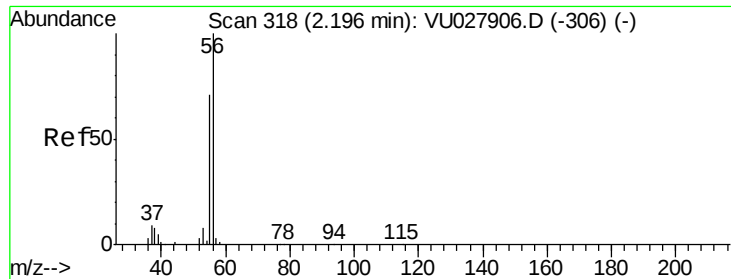
#11
Tert butyl alcohol
Concen: 1.392 ug/l
RT: 2.84 min Scan# 519
Delta R.T. 0.01 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Tgt Ion: 59 Resp: 1477
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 320

Delta R.T. 0.01 min

Lab File: VU028090.D

Acq: 13 Nov 2018 14:29

Instrument :

MSVOA_U

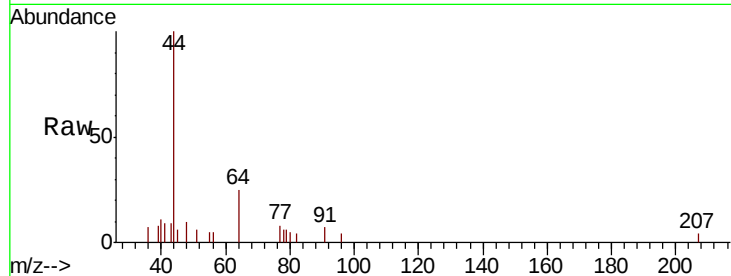
ClientSampleId :

Tot Ion: 56 Resp: 203

Ion Ratio Lower Upper

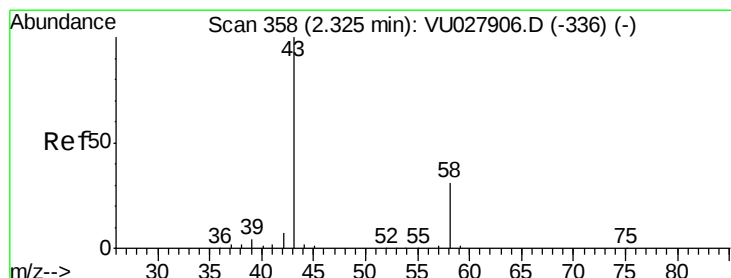
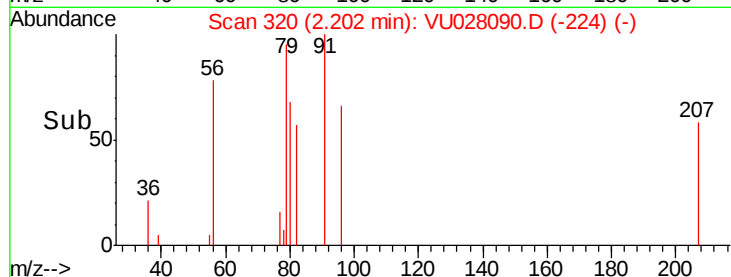
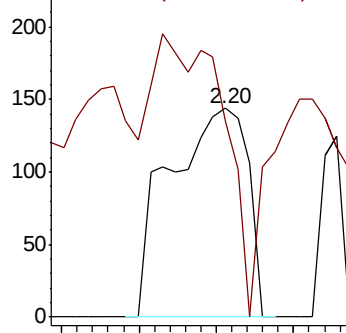
56 100

55 124.1 56.2 84.4#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 0.675 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028090.D

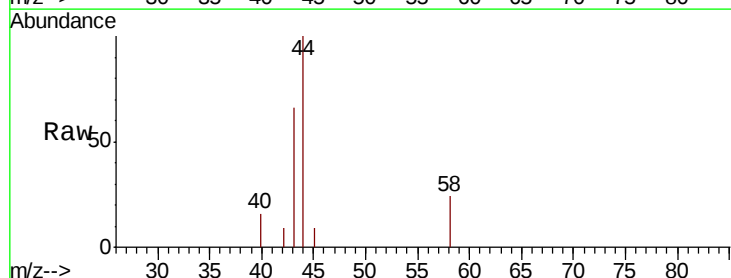
Acq: 13 Nov 2018 14:29

Tgt Ion: 43 Resp: 1677

Ion Ratio Lower Upper

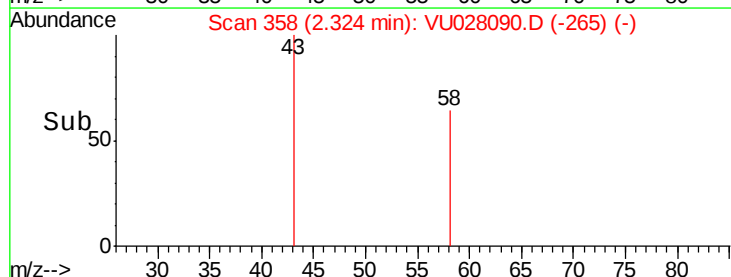
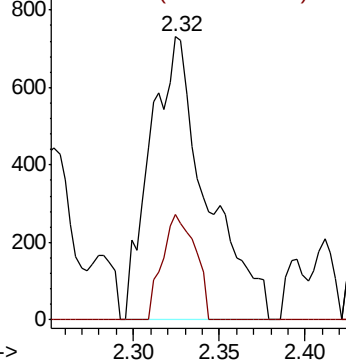
43 100

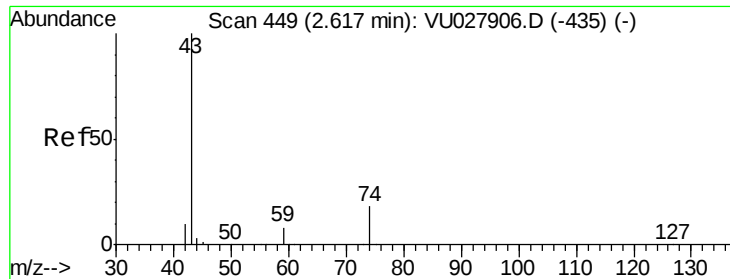
58 37.2 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

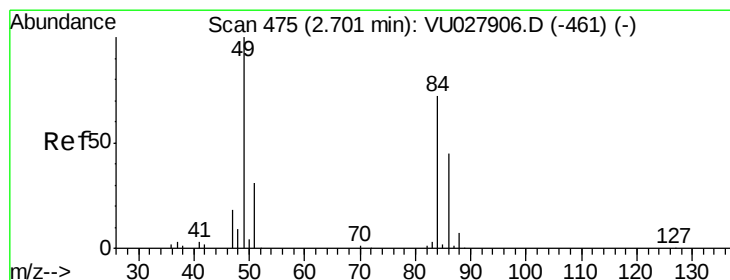
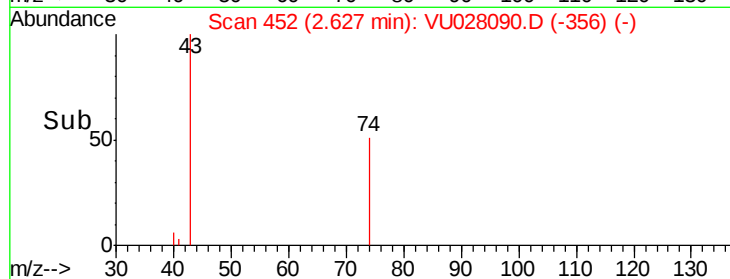
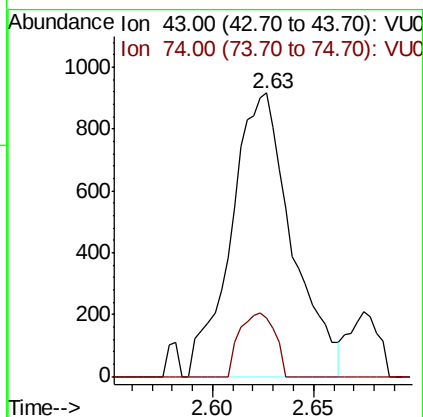
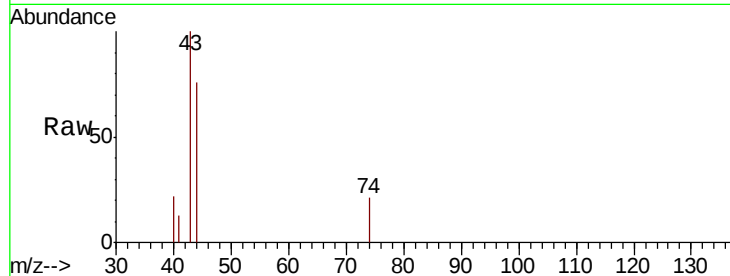




#18
Methvl Acetate
Concen: 0.281 ug/l
RT: 2.63 min Scan# 452
Delta R.T. 0.01 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

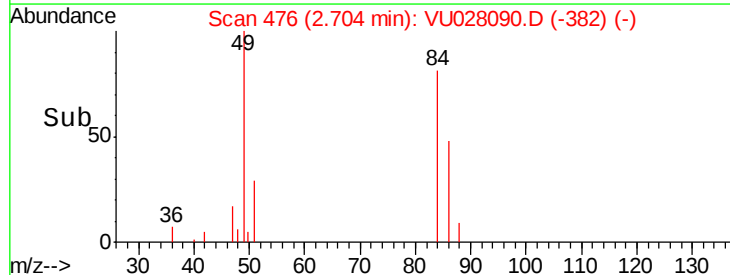
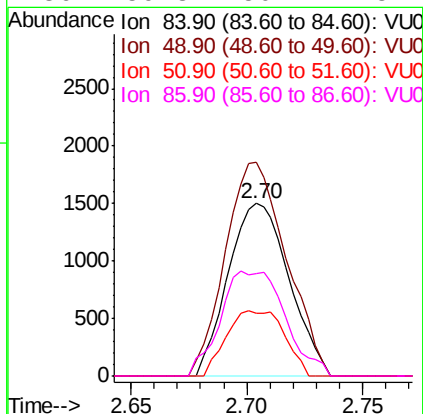
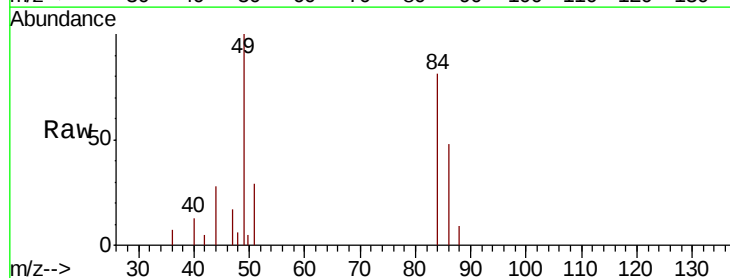
Instrument :
MSVOA_U
ClientSampleId :

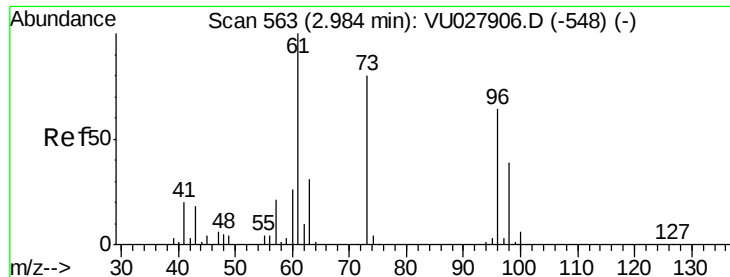
Tot Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
74 13.0 14.9 22.3#



#20
Methylene Chloride
Concen: 0.752 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Tgt Ion: 84 Resp: 2730
Ion Ratio Lower Upper
84 100
49 123.9 111.6 167.4
51 36.2 34.8 52.2
86 59.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 1.166 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028090.D

Acq: 13 Nov 2018 14:29

Instrument :

MSVOA_U

ClientSampleId :

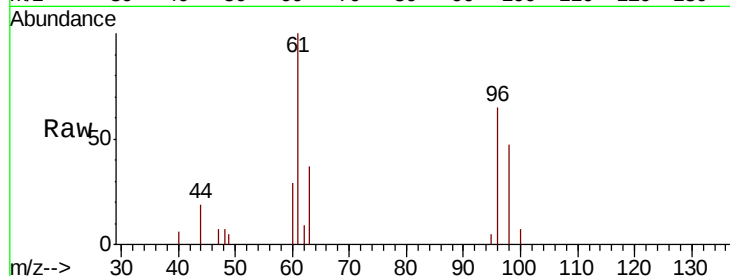
Tot Ion: 96 Resp: 3802

Ion Ratio Lower Upper

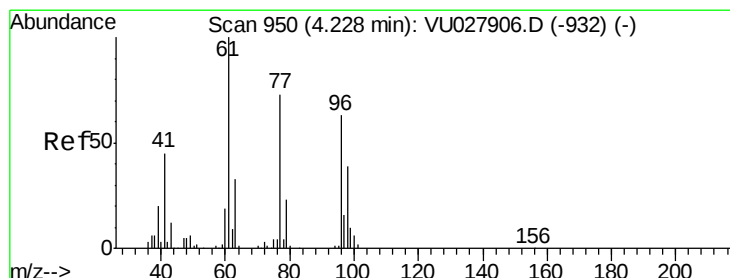
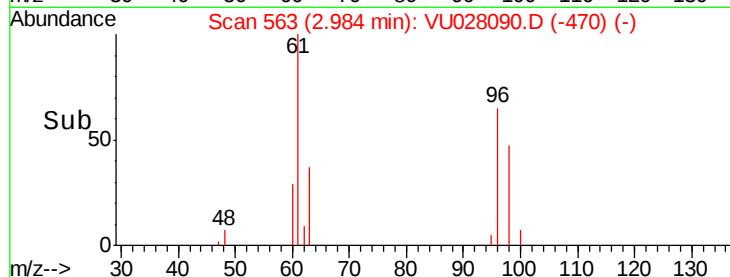
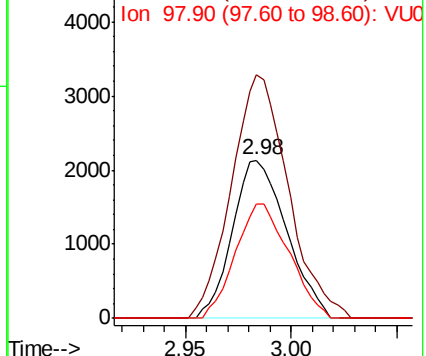
96 100

61 154.2 125.0 187.6

98 72.1 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#27

cis-1,2-Dichloroethene

Concen: 136.712 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028090.D

Acq: 13 Nov 2018 14:29

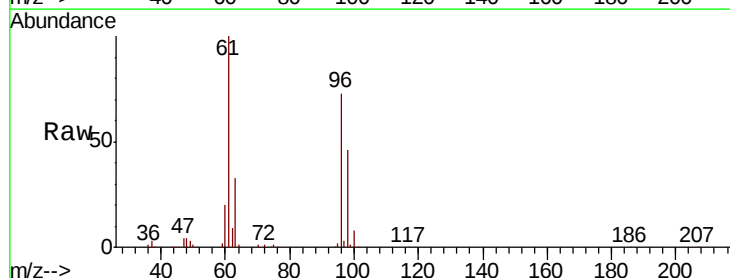
Tgt Ion: 96 Resp: 499702

Ion Ratio Lower Upper

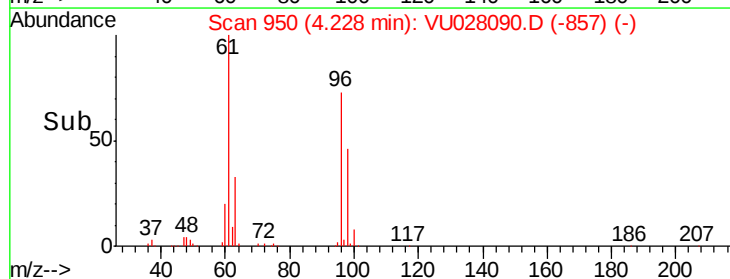
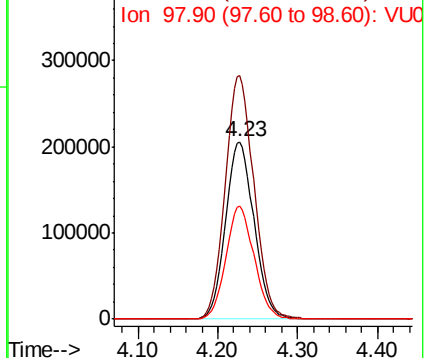
96 100

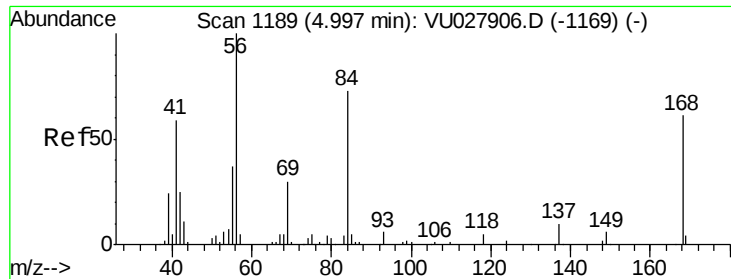
61 138.6 0.0 329.6

98 63.1 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

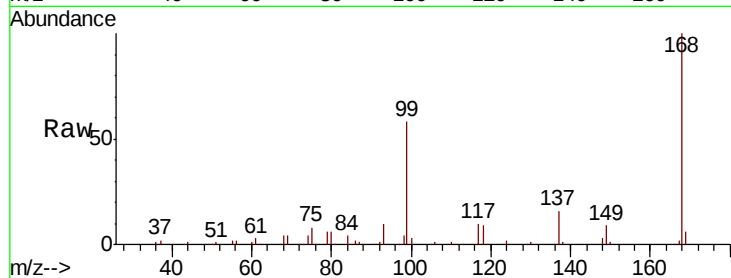




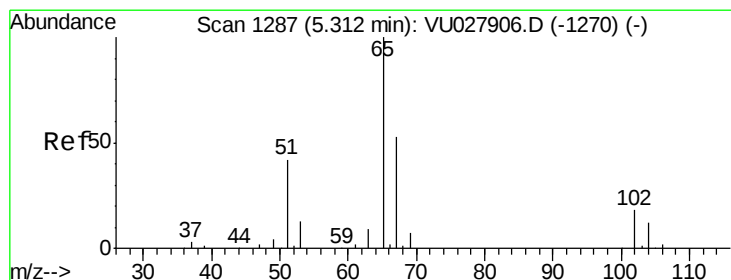
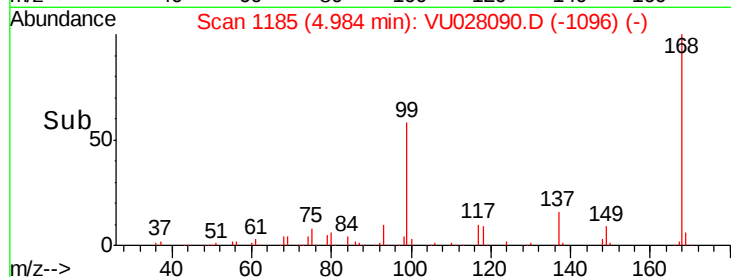
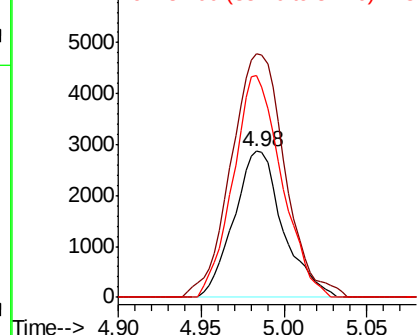
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 5902
Ion Ratio Lower Upper
56 100
69 163.1 23.7 35.5#
84 152.1 58.2 87.4#

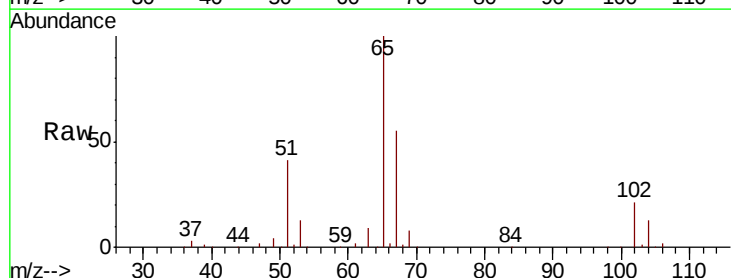


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

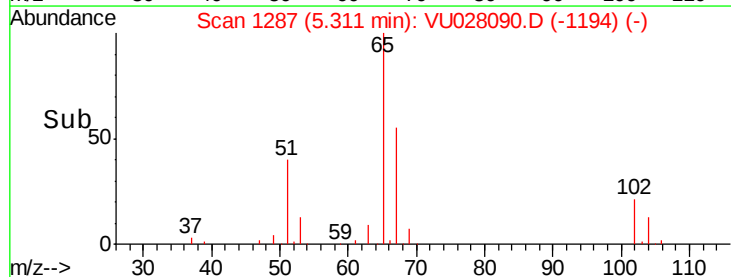
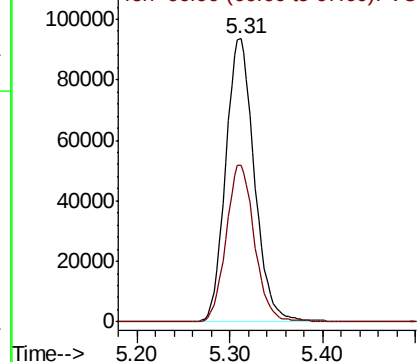


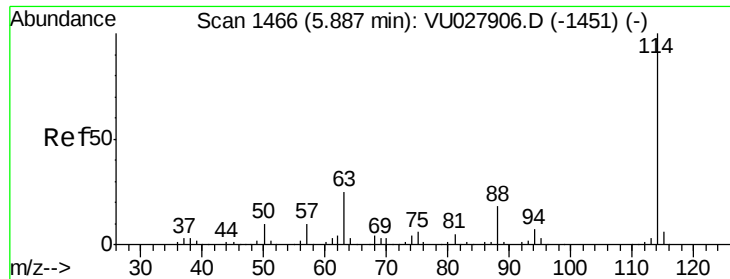
#33
1,2-Dichloroethane-d4
Concen: 50.147 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Tgt Ion: 65 Resp: 200923
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

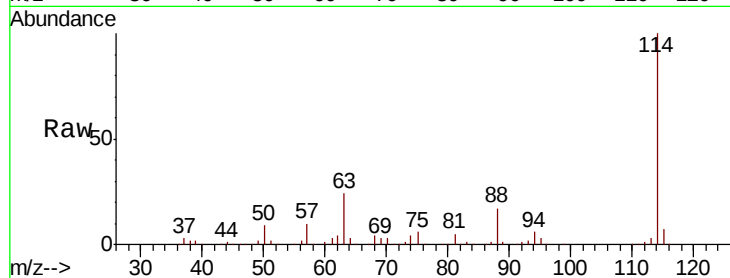




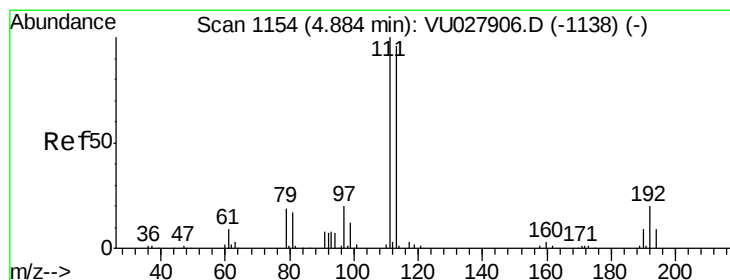
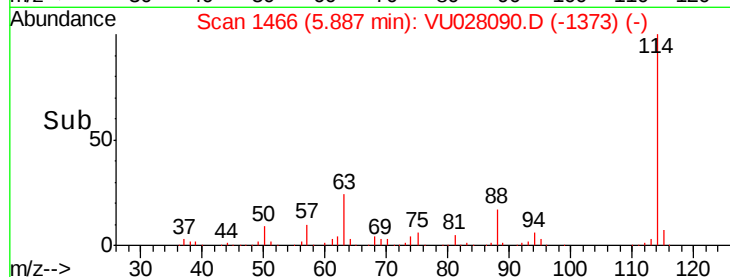
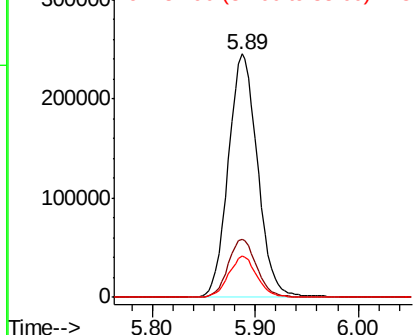
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1466
Delta R.T. -0.00 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:114 Resp: 484780
Ion Ratio Lower Upper
114 100
63 24.0 0.0 50.8
88 16.7 0.0 35.8

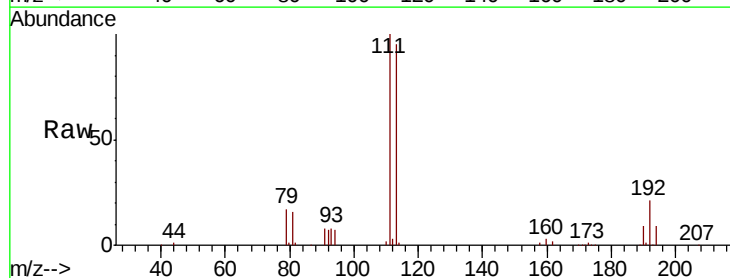


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

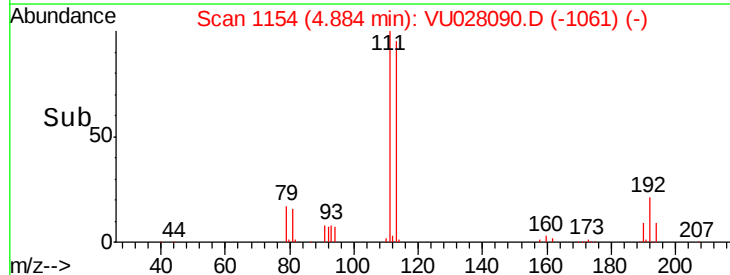
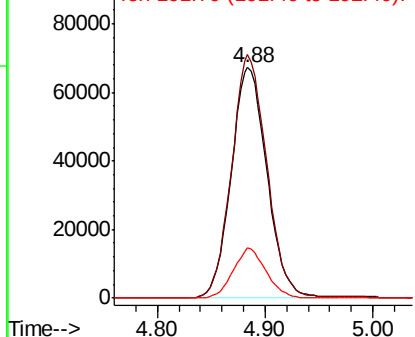


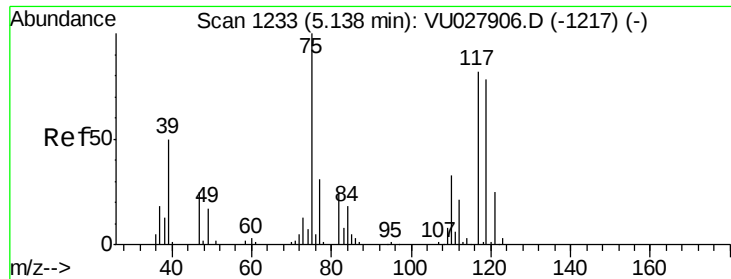
#35
Dibromofluoromethane
Concen: 50.895 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Tgt Ion:113 Resp: 155565
Ion Ratio Lower Upper
113 100
111 103.6 83.0 124.6
192 19.9 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

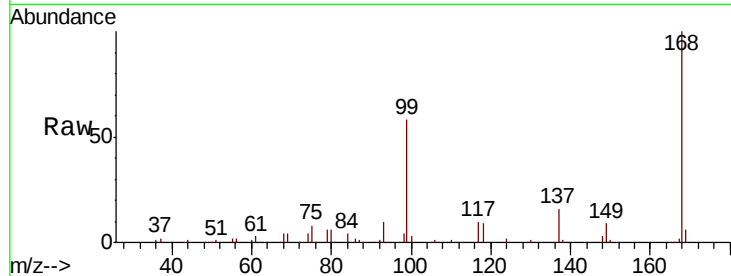




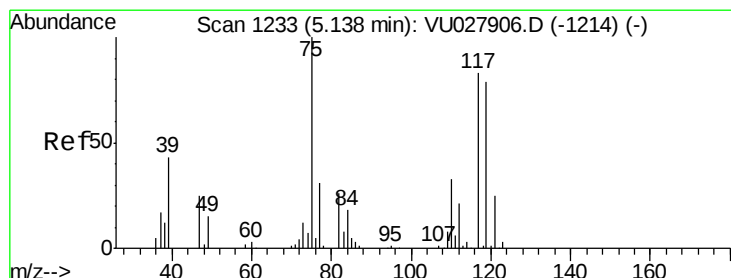
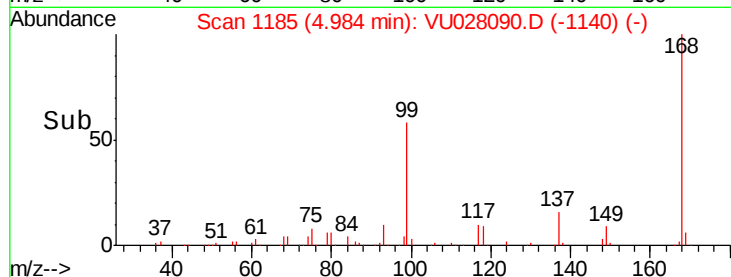
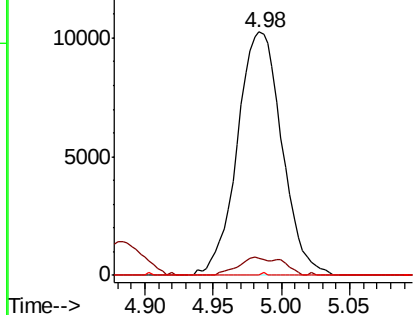
#36
 1,1-Dichloropropene
 Concen: 4.588 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028090.D
 Acq: 13 Nov 2018 14:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	4.8	16.5	49.5#
77	0.1	24.9	37.3#

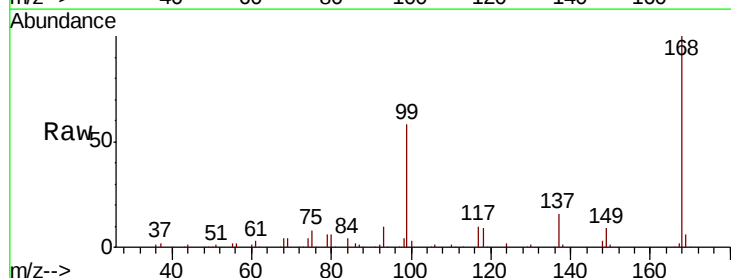


Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-1217) (-)
 Ion 109.90 (109.60 to 110.60): VU027906.D (-1217) (-)
 Ion 76.90 (76.60 to 77.60): VU027906.D (-1217) (-)

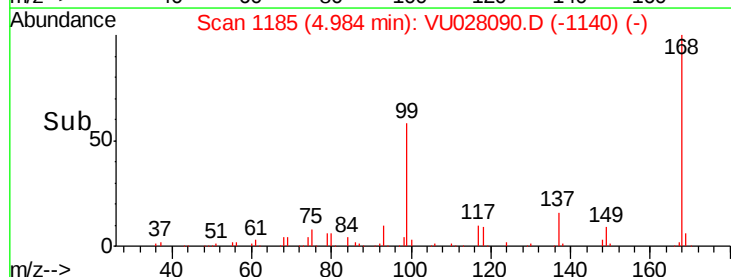
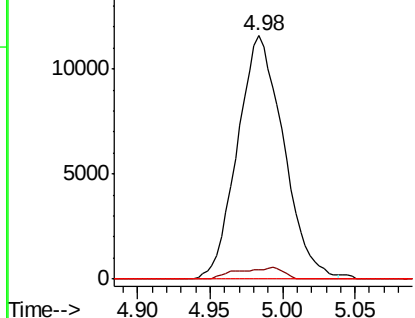


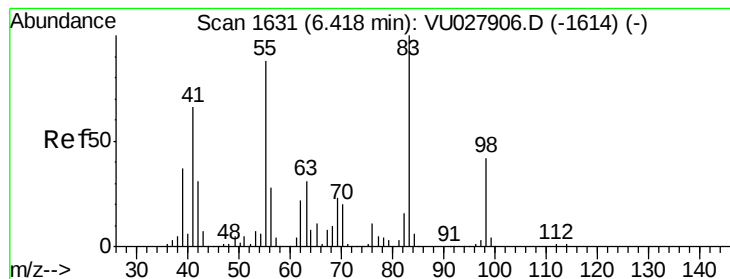
#38
 Carbon Tetrachloride
 Concen: 5.686 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028090.D
 Acq: 13 Nov 2018 14:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.0	114.0#
121	0.0	24.5	36.7#



Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)
 Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)
 Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)





#39

Methylcyclohexane

Concen: 0.267 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.23 min

Lab File: VU028090.D

Acq: 13 Nov 2018 14:29

Instrument :

MSVOA_U

ClientSampled :

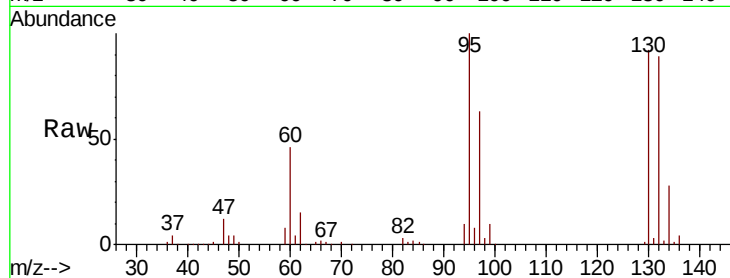
Tot Ion: 83 Resp: 1633

Ion Ratio Lower Upper

83 100

55 0.0 70.3 105.5#

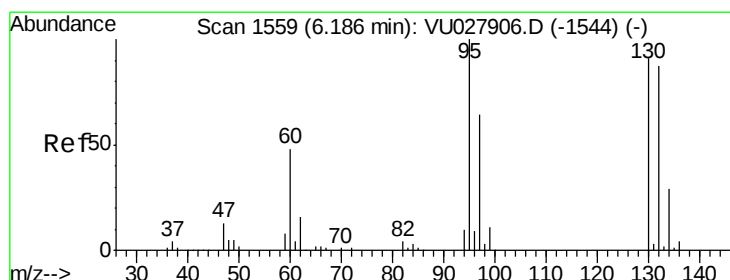
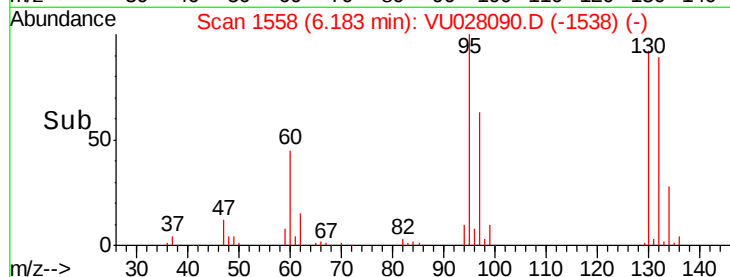
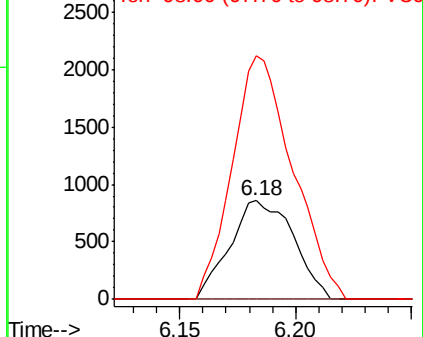
98 247.3 34.0 51.0#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#44

Trichloroethene

Concen: 44.541 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028090.D

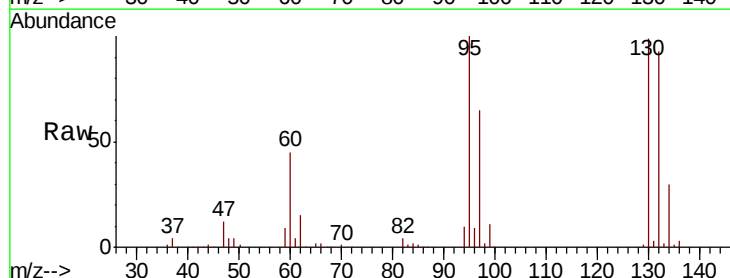
Acq: 13 Nov 2018 14:29

Tgt Ion:130 Resp: 148623

Ion Ratio Lower Upper

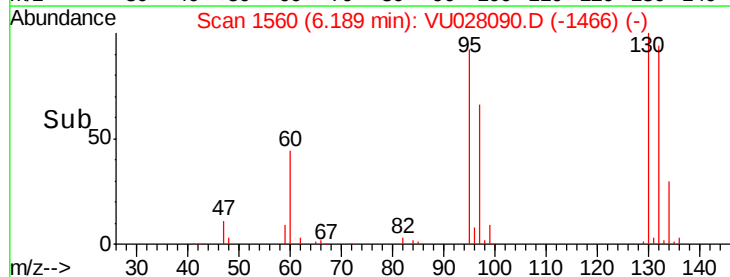
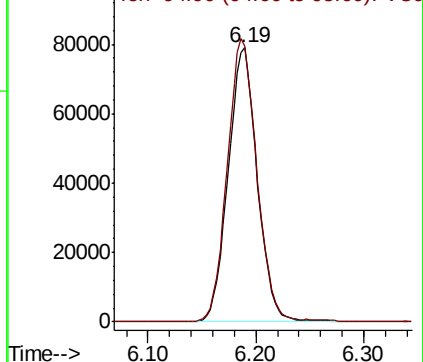
130 100

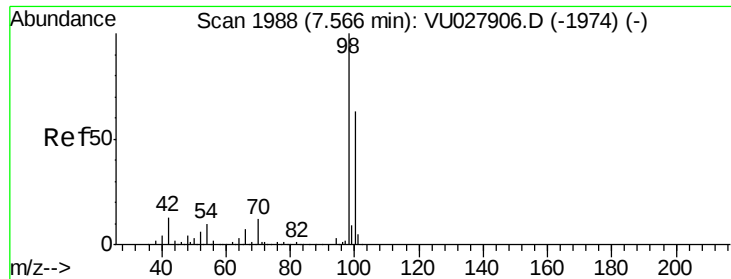
95 100.8 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

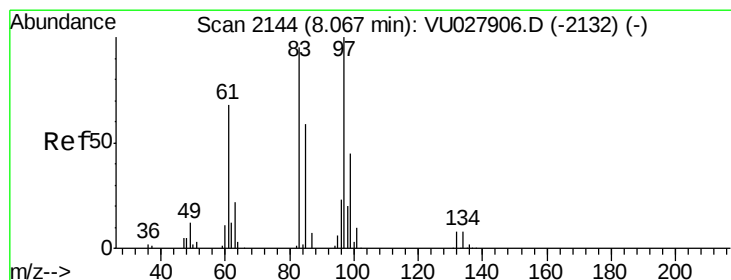
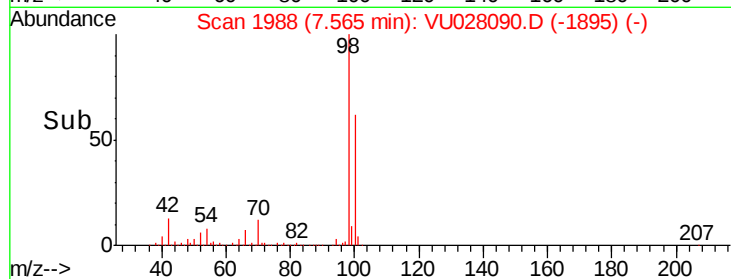
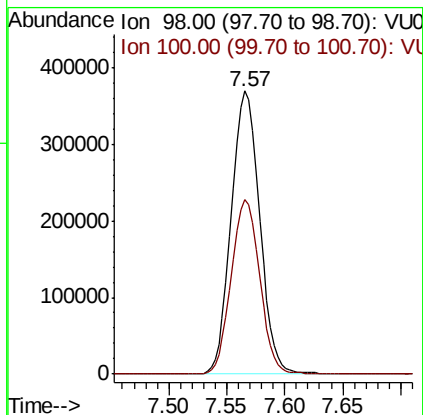
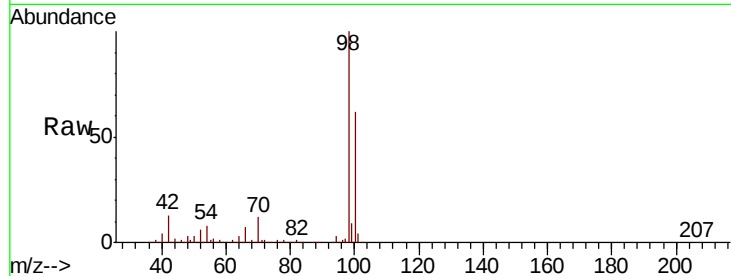




#50
Toluene-d8
Concen: 53.074 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

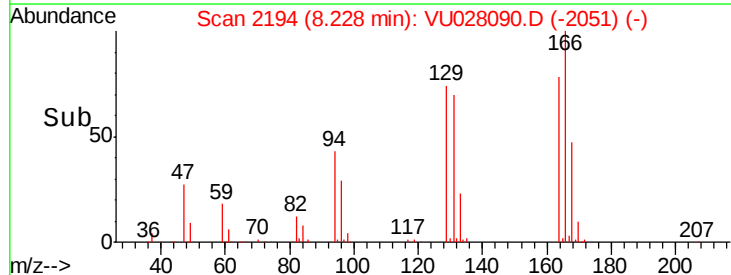
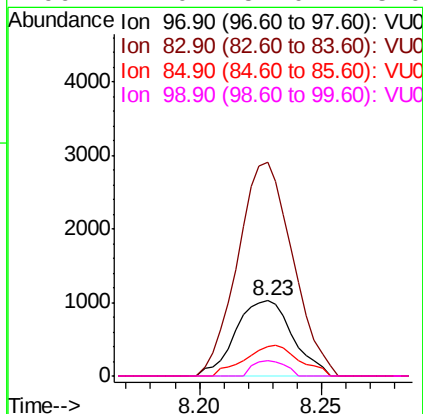
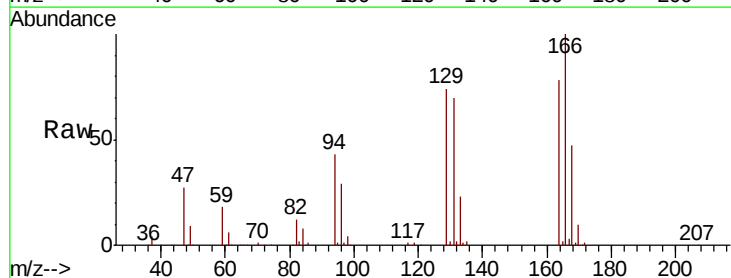
Instrument :
MSVOA_U
ClientSampleId :

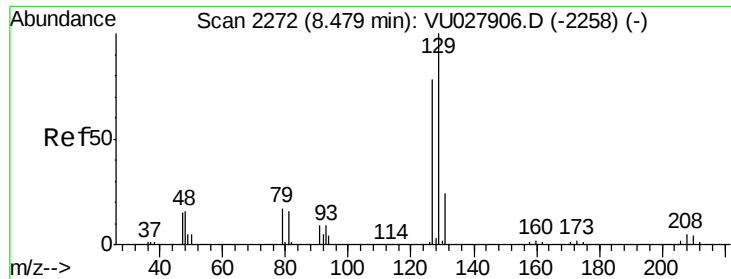
Tot Ion: 98 Resp: 626672
Ion Ratio Lower Upper
98 100
100 61.7 50.1 75.1



#55
1,1,2-Trichloroethane
Concen: 0.447 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.16 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Tgt Ion: 97 Resp: 1660
Ion Ratio Lower Upper
97 100
83 283.7 76.1 114.1#
85 39.0 48.9 73.3#
99 21.0 52.0 78.0#

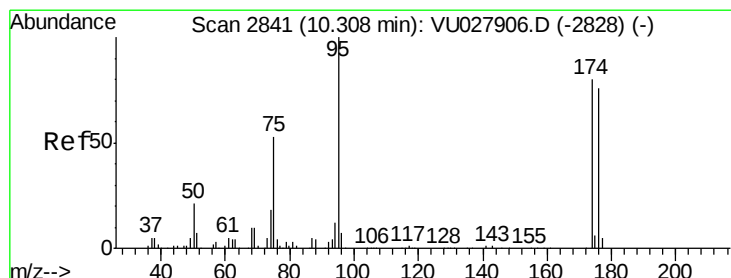
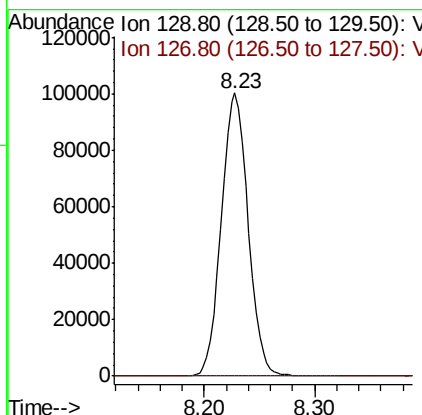
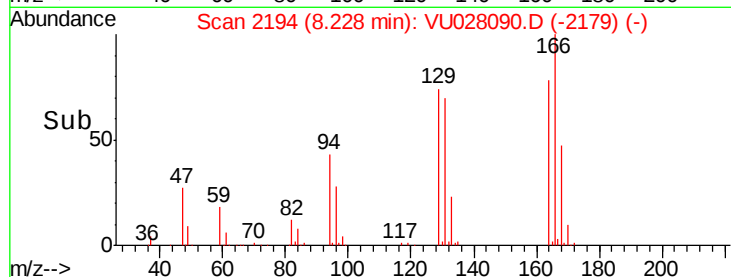
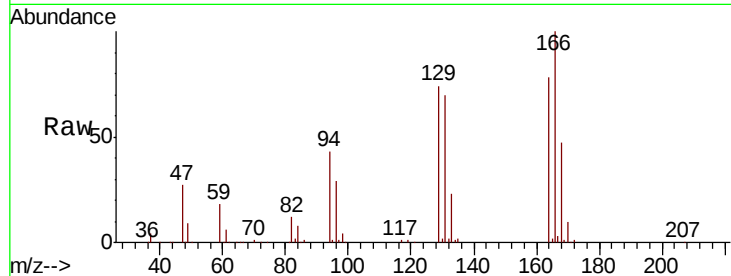




#60
Dibromochloromethane
Concen: 48.034 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

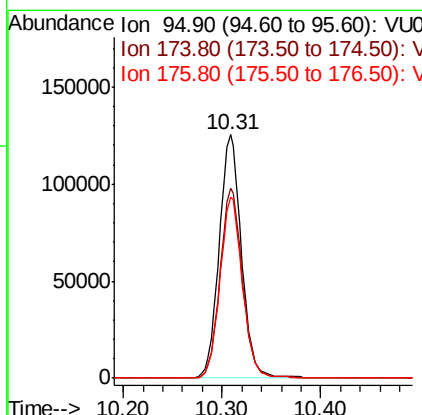
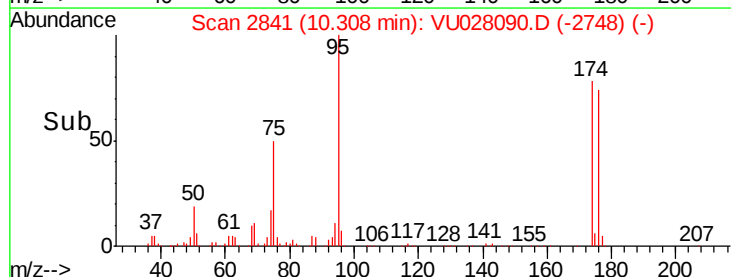
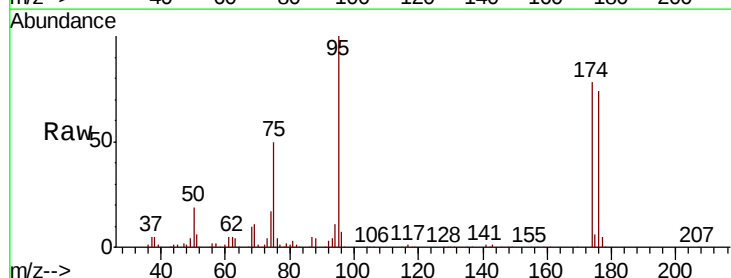
Instrument :
MSVOA_U
ClientSampled :

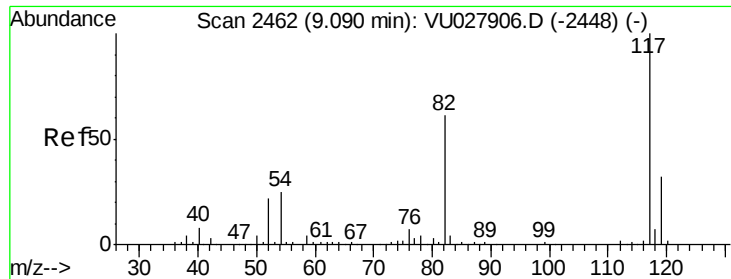
Tot Ion:129 Resp: 168761
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#



#62
4-Bromofluorobenzene
Concen: 45.572 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Tgt Ion: 95 Resp: 198471
Ion Ratio Lower Upper
95 100
174 78.5 0.0 156.4
176 75.0 0.0 150.8

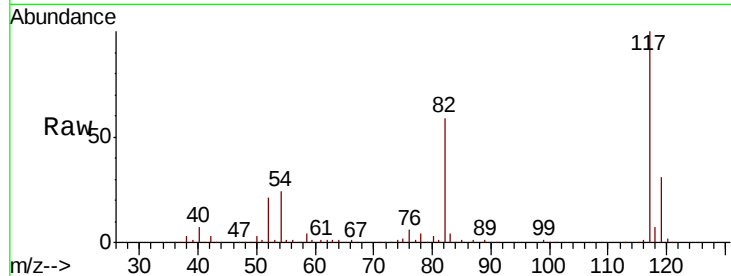




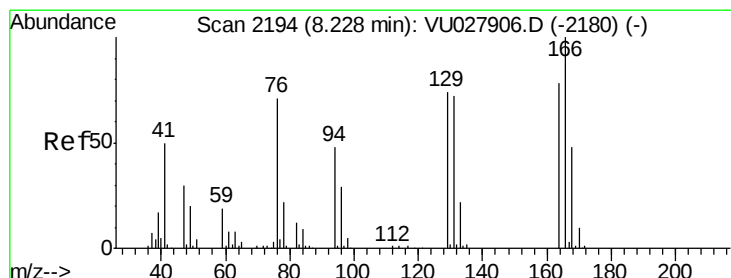
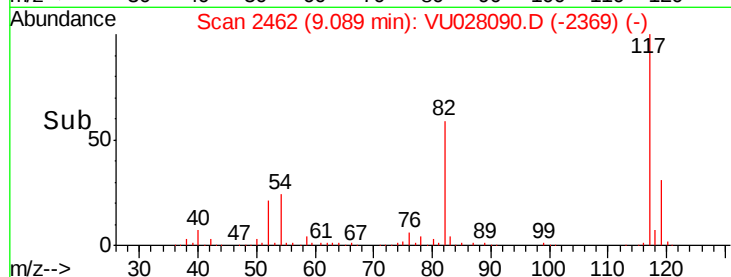
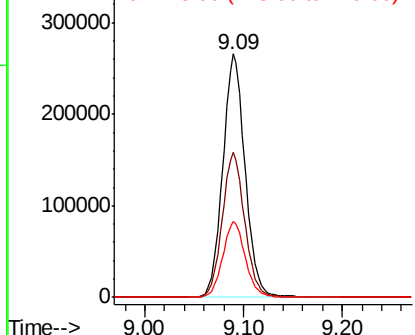
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 423184
Ion Ratio Lower Upper
117 100
82 59.4 48.6 73.0
119 31.2 25.8 38.8



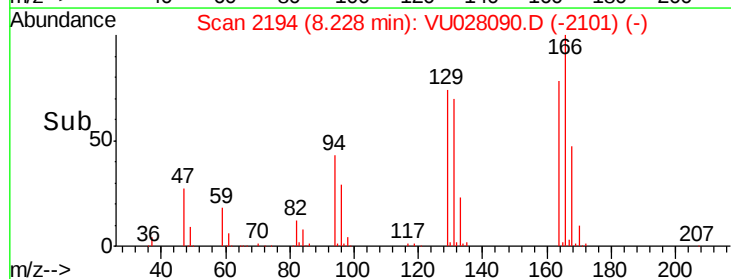
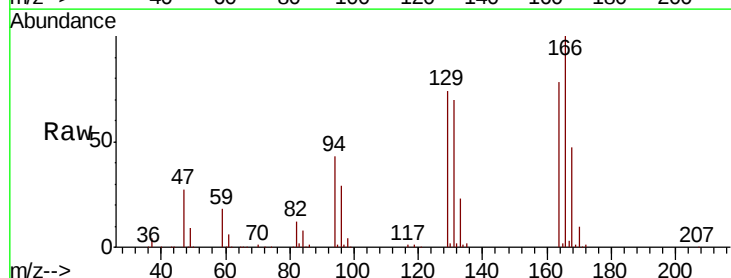
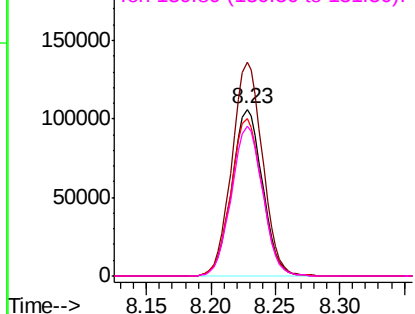
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU028090.D (-2369) (-)
Ion 118.90 (118.60 to 119.60): V

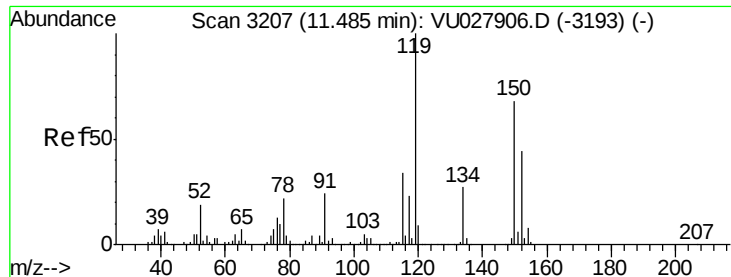


#64
Tetrachloroethene
Concen: 64.370 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Tgt Ion:164 Resp: 176633
Ion Ratio Lower Upper
164 100
166 128.0 102.1 153.1
129 94.4 75.9 113.9
131 89.8 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



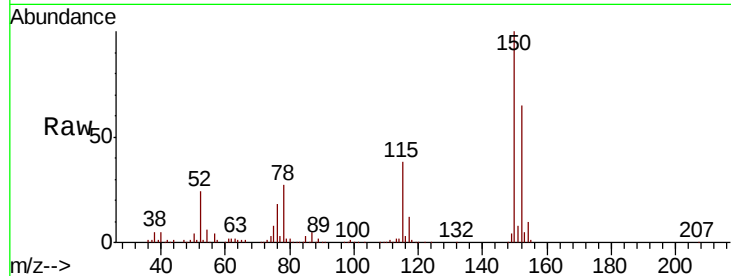


#72

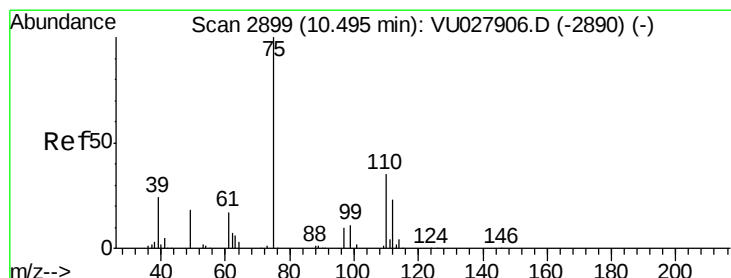
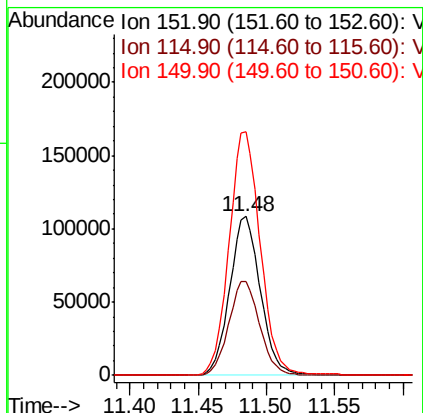
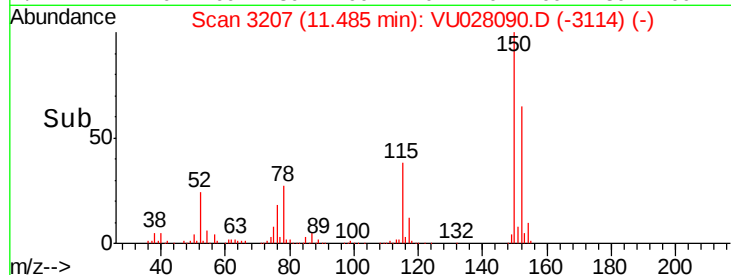
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.6	43.0	129.0
150	156.2	0.0	349.4



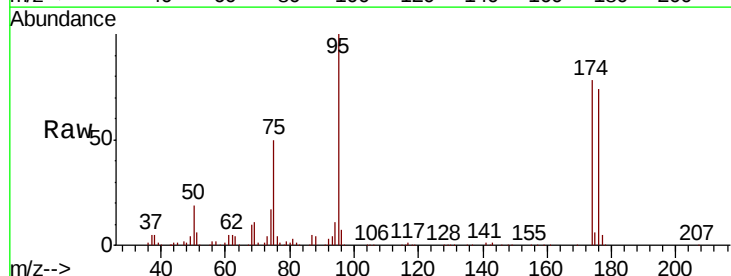
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



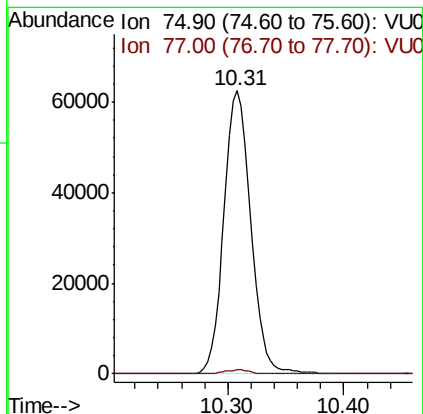
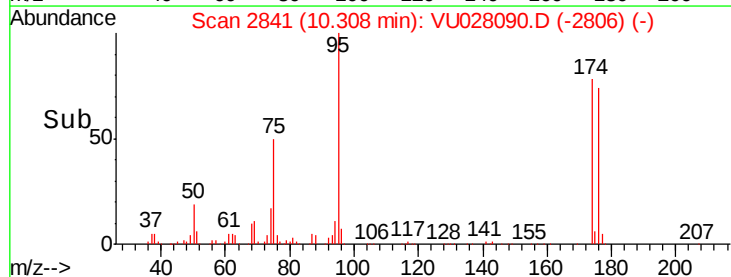
#76

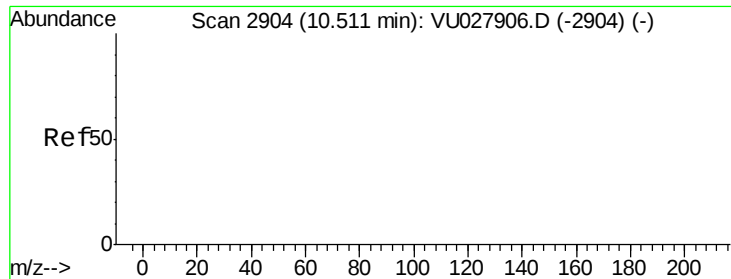
1,2,3-Trichloropropane
Concen: 21.626 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU028090.D
Acq: 13 Nov 2018 14:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 53.975 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028090.D
 Acq: 13 Nov 2018 14:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 100422
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

