

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111318\
 Data File : VU028089.D
 Acq On : 13 Nov 2018 14:05
 Operator : MD/SY
 Sample : J5885-01DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 14 06:58:08 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	264874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	486298	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	430775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	182695	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	200536	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
35) Dibromofluoromethane	4.89	113	154612	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	7.57	98	616602	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	10.31	95	205706	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	

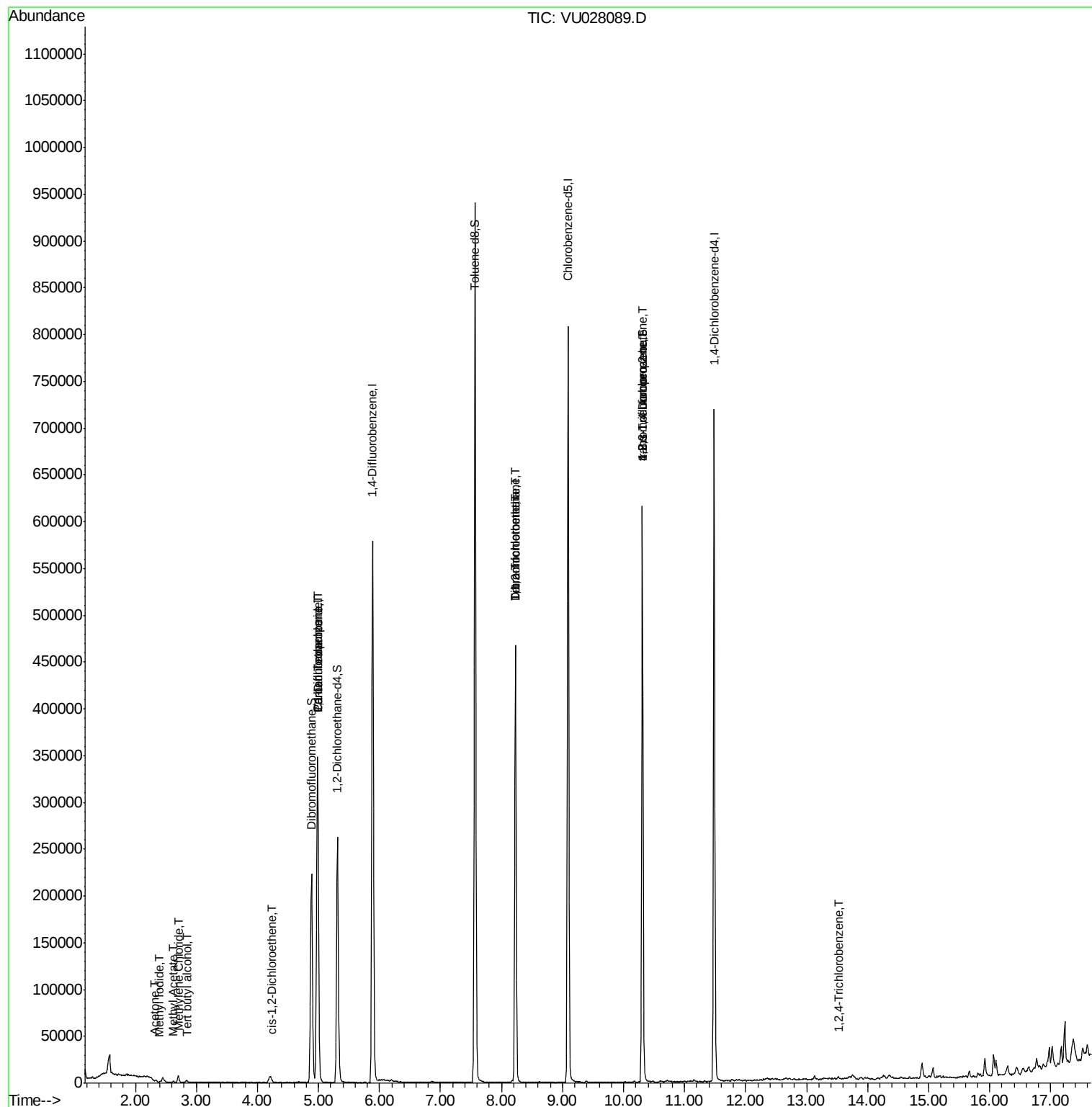
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.40	142	181	7.820	ug/l #	40
11) Tert butyl alcohol	2.84	59	1333	1.279	ug/l #	73
13) Acrolein	2.20	56	116	Below Cal	#	34
16) Acetone	2.32	43	1355	0.555	ug/l #	85
18) Methyl Acetate	2.62	43	2086	0.310	ug/l #	87
20) Methylene Chloride	2.70	84	3025	0.848	ug/l	95
27) cis-1,2-Dichloroethene	4.24	96	860	0.239	ug/l	84
31) Cyclohexane	4.99	56	5880	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	21981	4.316	ug/l #	49
38) Carbon Tetrachloride	4.99	117	26722	5.920	ug/l #	16
55) 1,1,2-Trichloroethane	8.23	97	989	0.266	ug/l #	1
60) Dibromochloromethane	8.23	129	97833	27.759	ug/l #	10
64) Tetrachloroethene	8.23	164	102862	36.825	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	105084	21.028	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	105084	52.490	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	301	0.755	ug/l #	12

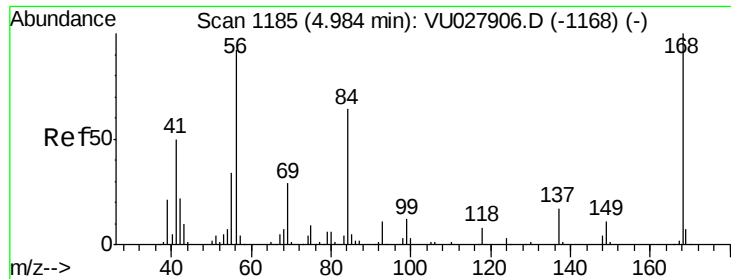
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028089.D

Acq: 13 Nov 2018 14:05

Instrument :

MSVOA_U

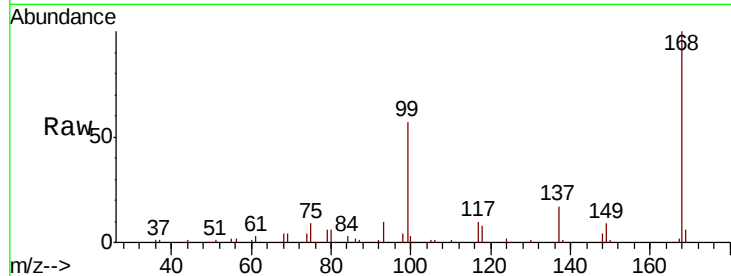
ClientSampleId :

Tot Ion:168 Resp: 264874

Ion Ratio Lower Upper

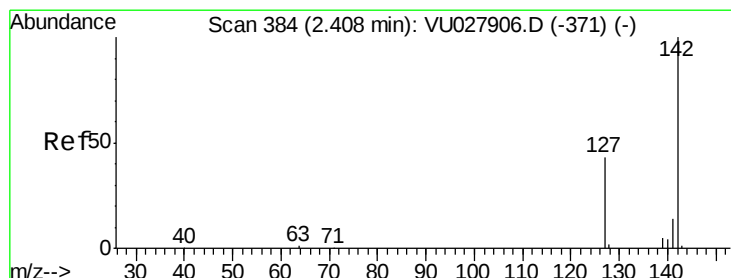
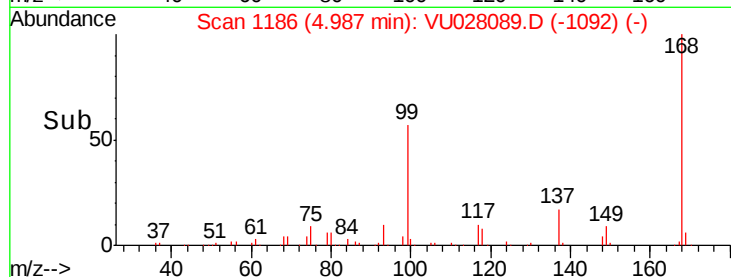
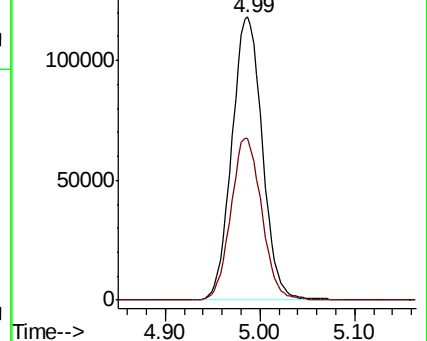
168 100

99 57.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#10

Methyl Iodide

Concen: 7.820 ug/l

RT: 2.40 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU028089.D

Acq: 13 Nov 2018 14:05

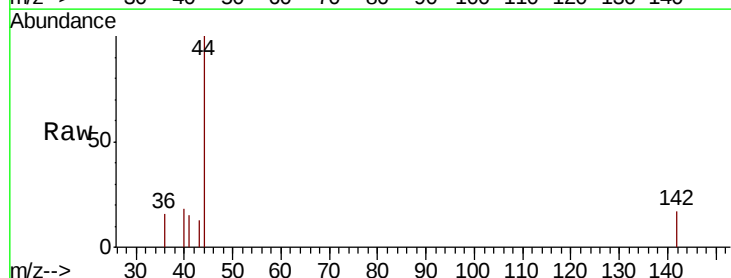
Tgt Ion:142 Resp: 181

Ion Ratio Lower Upper

142 100

127 0.0 35.2 52.8#

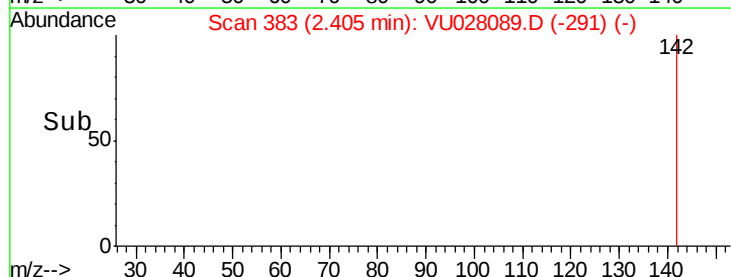
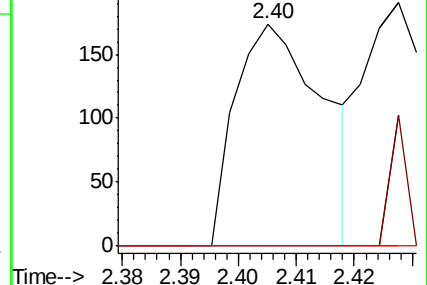
141 0.0 11.8 17.8#

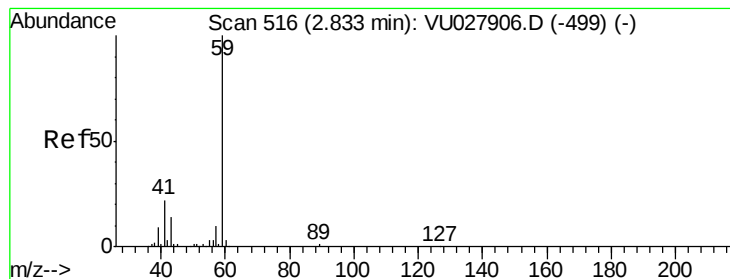


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



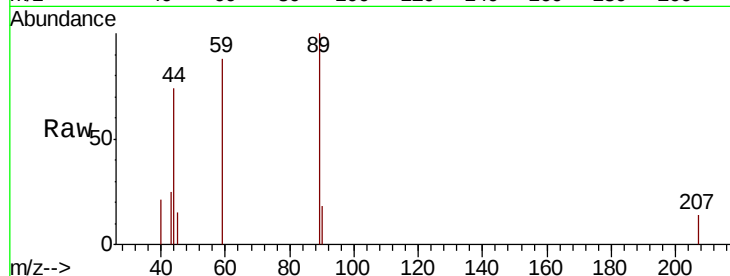


#11

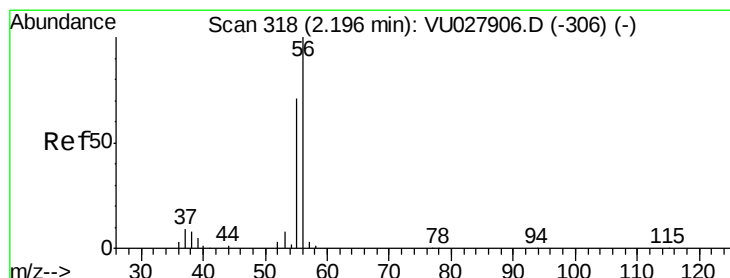
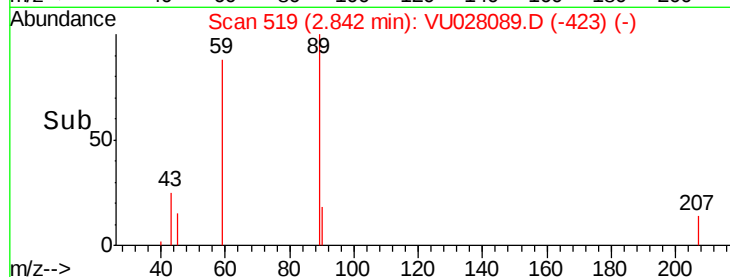
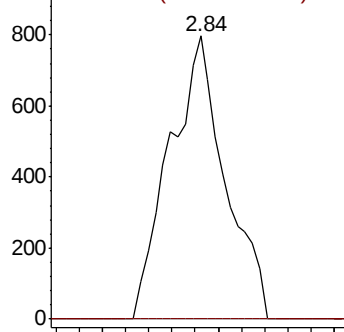
Tert butyl alcohol
 Concen: 1.279 ug/l
 RT: 2.84 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VU028089.D
 Acq: 13 Nov 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 59 Resp: 1333
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#



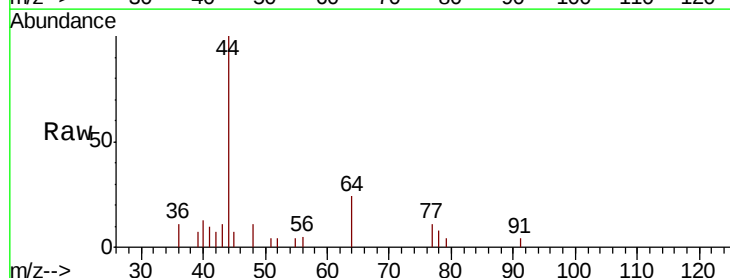
Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



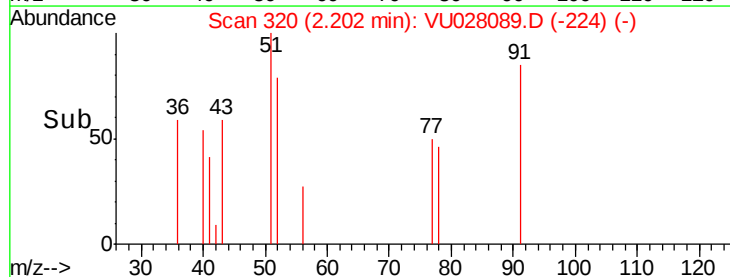
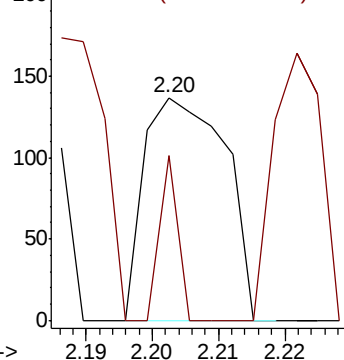
#13

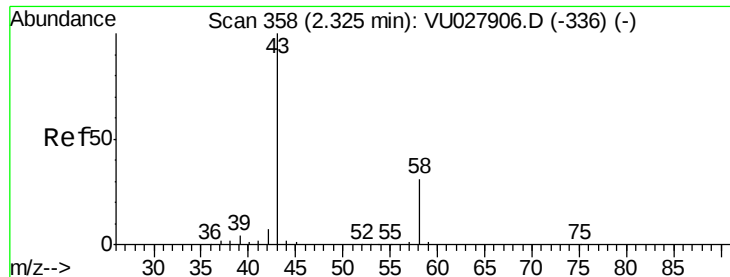
Acrolein
 Concen: Below Cal
 RT: 2.20 min Scan# 320
 Delta R.T. 0.01 min
 Lab File: VU028089.D
 Acq: 13 Nov 2018 14:05

Tgt Ion: 56 Resp: 116
 Ion Ratio Lower Upper
 56 100
 55 16.4 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: 0.555 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028089.D

Acq: 13 Nov 2018 14:05

Instrument :

MSVOA_U

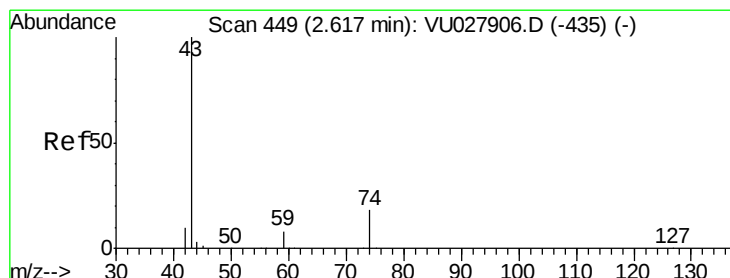
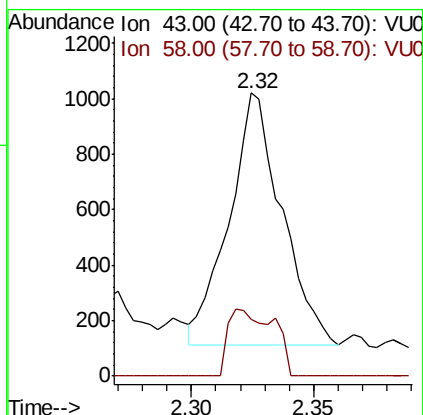
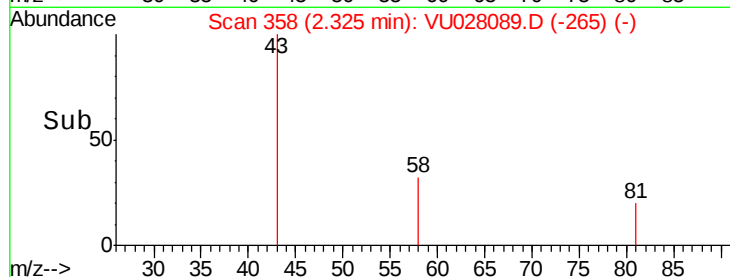
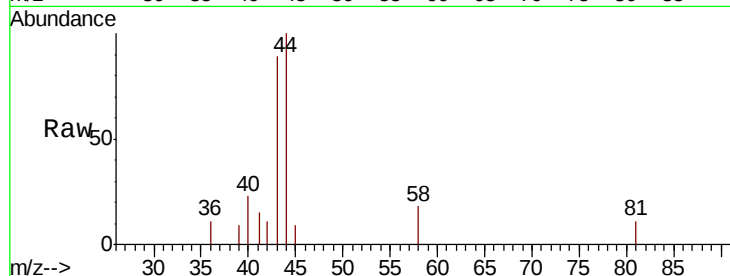
ClientSampled :

Tot Ion: 43 Resp: 1355

Ion Ratio Lower Upper

43 100

58 22.4 24.6 37.0#



#18

Methyl Acetate

Concen: 0.310 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028089.D

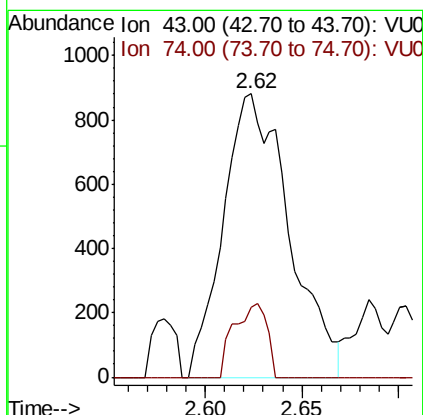
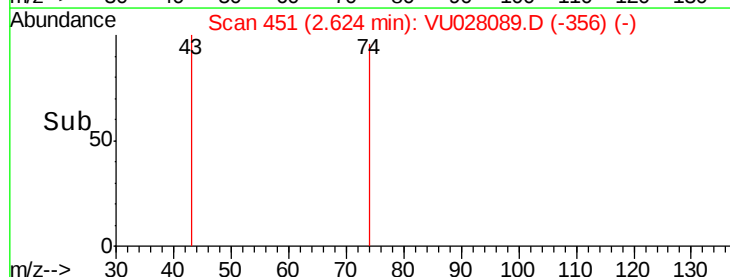
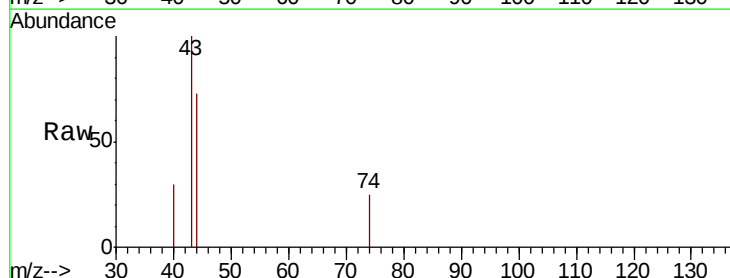
Acq: 13 Nov 2018 14:05

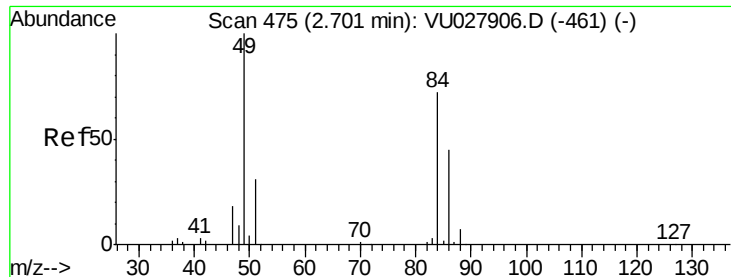
Tgt Ion: 43 Resp: 2086

Ion Ratio Lower Upper

43 100

74 12.9 14.9 22.3#

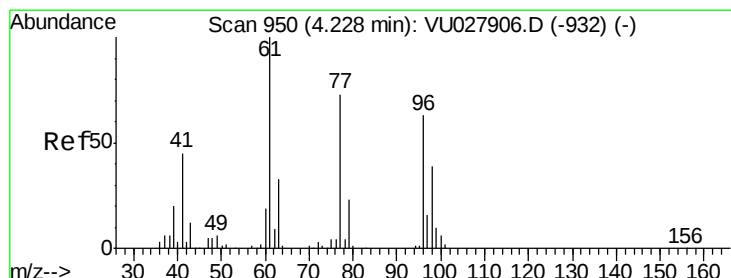
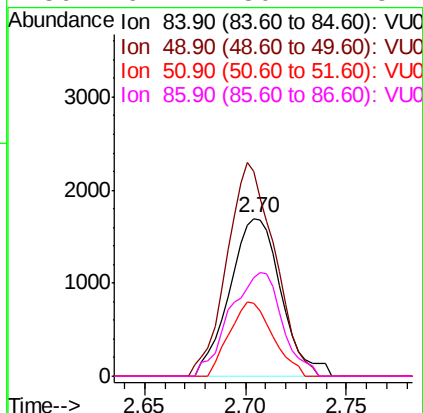
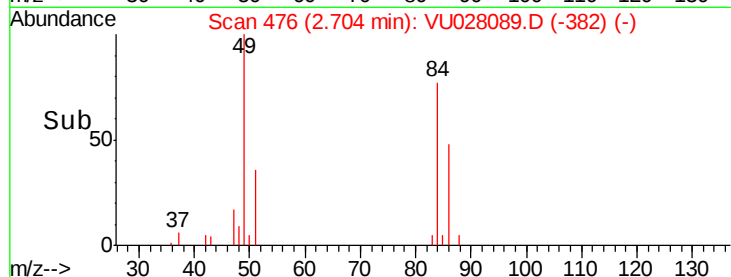
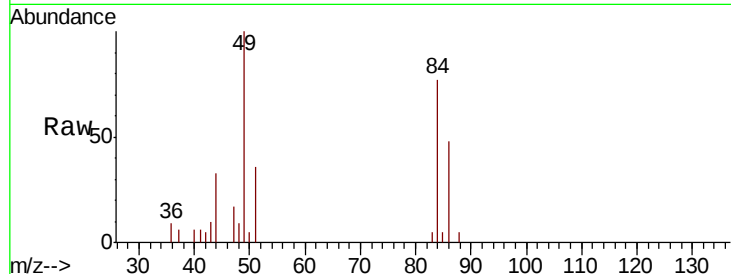




#20
Methylene Chloride
Concen: 0.848 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028089.D
Acq: 13 Nov 2018 14:05

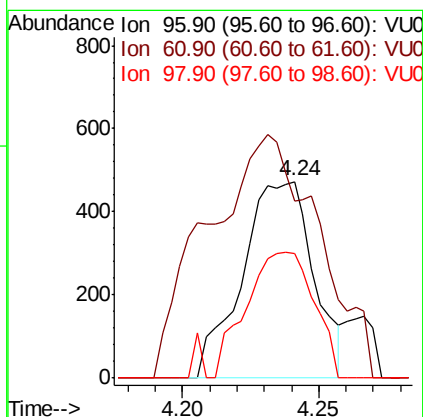
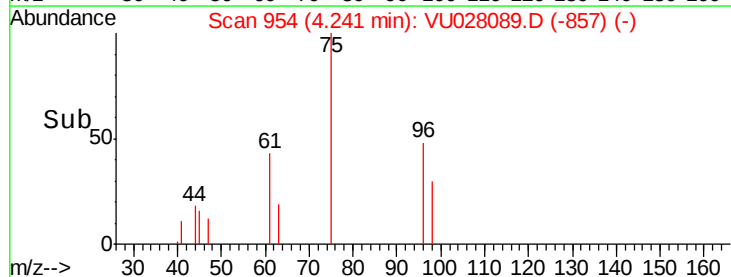
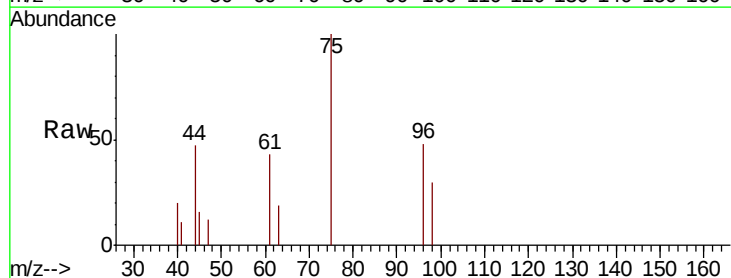
Instrument :
MSVOA_U
ClientSampleId :

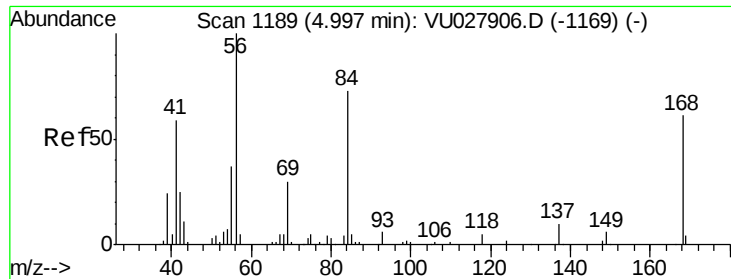
Tot Ion: 84 Resp: 3025
Ion Ratio Lower Upper
84 100
49 129.9 111.6 167.4
51 46.4 34.8 52.2
86 62.2 50.1 75.1



#27
cis-1,2-Dichloroethene
Concen: 0.239 ug/l
RT: 4.24 min Scan# 954
Delta R.T. 0.01 min
Lab File: VU028089.D
Acq: 13 Nov 2018 14:05

Tgt Ion: 96 Resp: 860
Ion Ratio Lower Upper
96 100
61 192.7 0.0 329.6
98 60.7 0.0 127.2

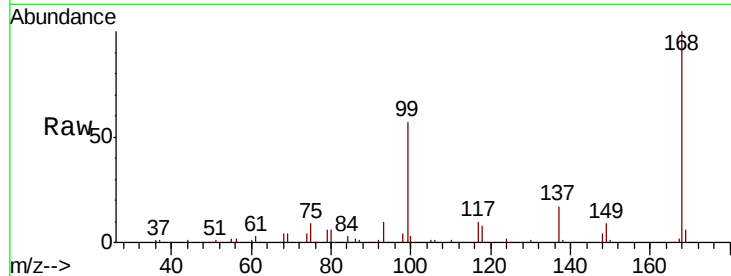




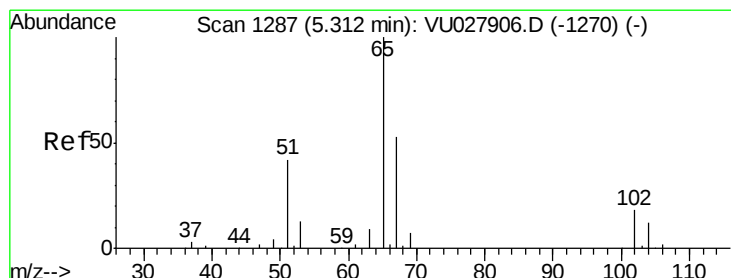
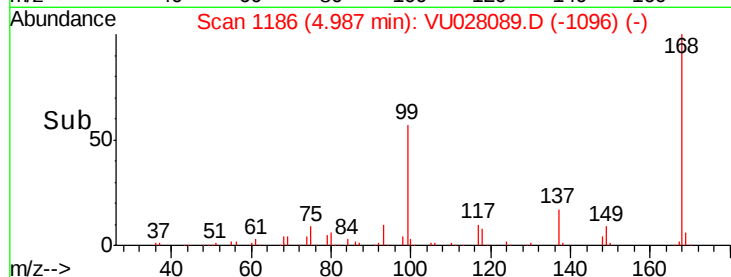
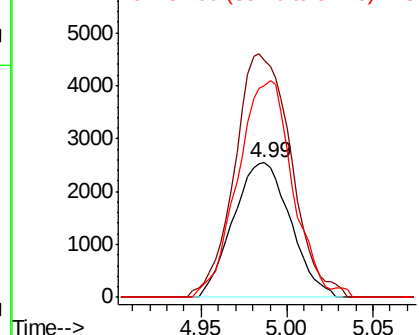
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028089.D
Acq: 13 Nov 2018 14:05

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 5880
Ion Ratio Lower Upper
56 100
69 171.5 23.7 35.5#
84 157.1 58.2 87.4#

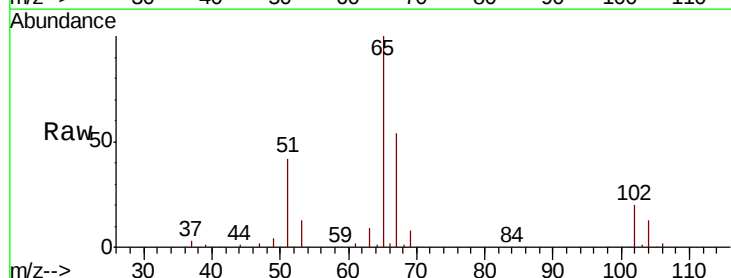


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

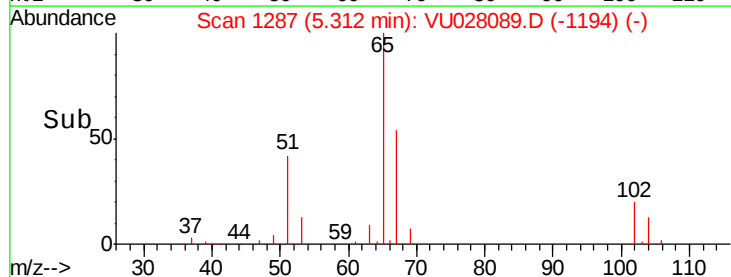
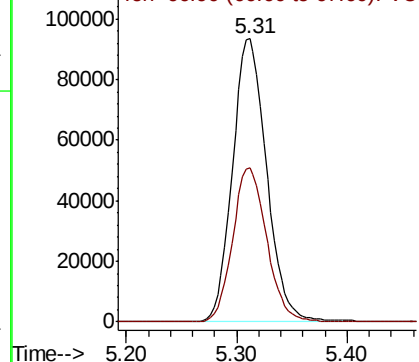


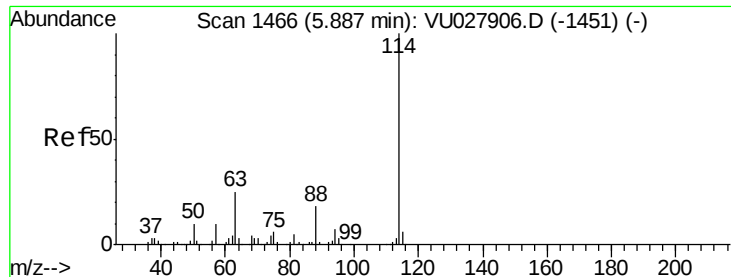
#33
1,2-Dichloroethane-d4
Concen: 50.923 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU028089.D
Acq: 13 Nov 2018 14:05

Tgt Ion: 65 Resp: 200536
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.0



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

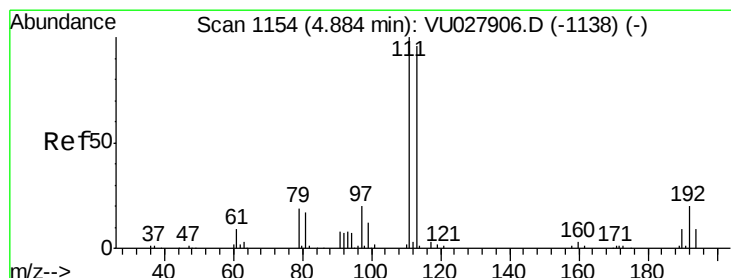
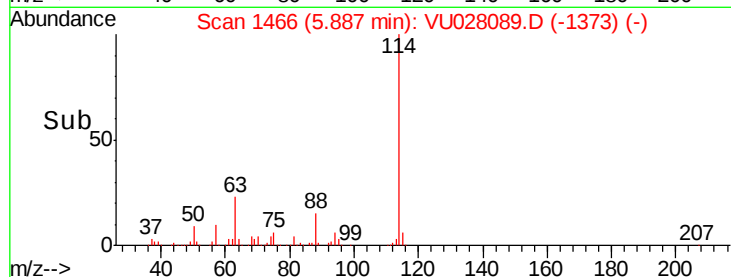
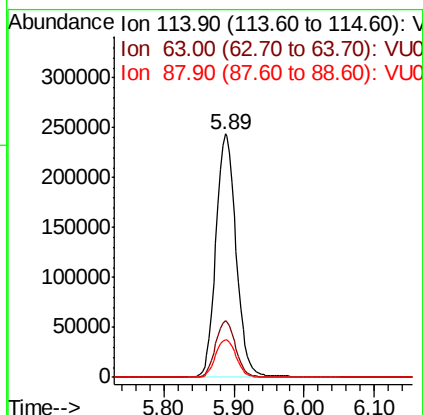
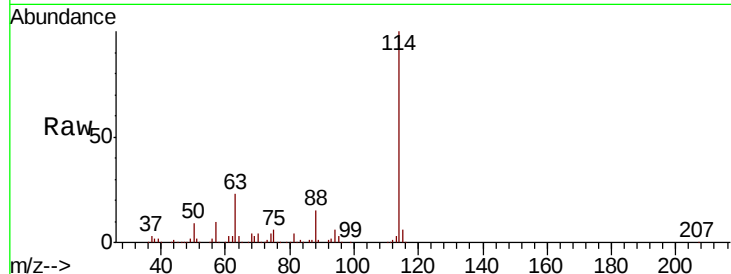




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028089.D
 Acq: 13 Nov 2018 14:05

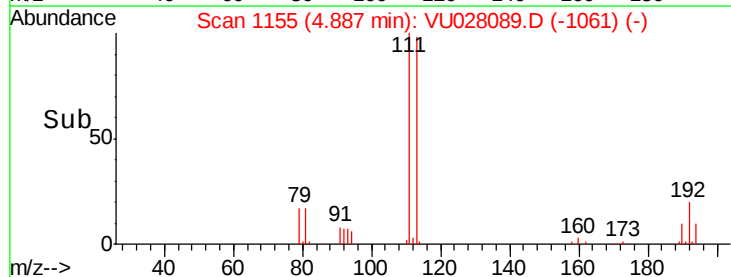
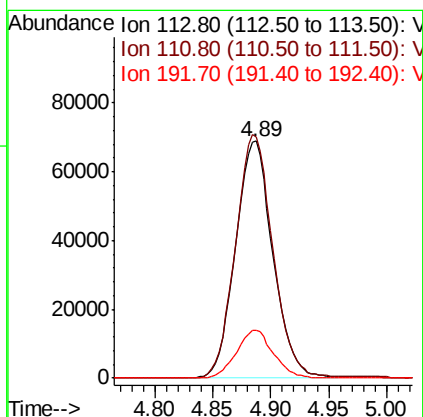
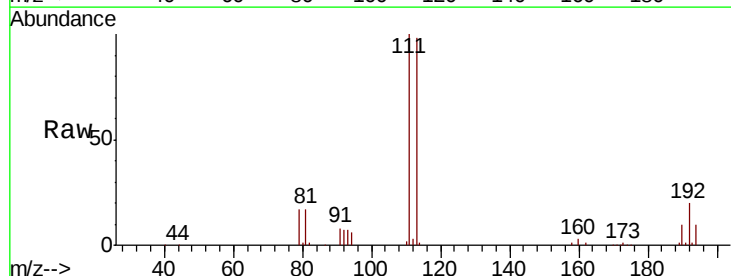
Instrument :
 MSVOA_U
 ClientSampleId :

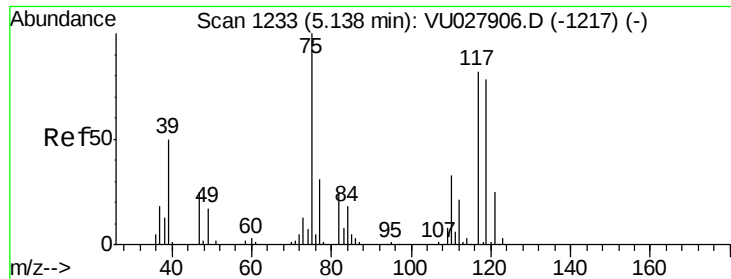
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	50.8
88	15.5	0.0	35.8



#35
 Dibromofluoromethane
 Concen: 50.425 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU028089.D
 Acq: 13 Nov 2018 14:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.6
192	20.0	15.6	23.4

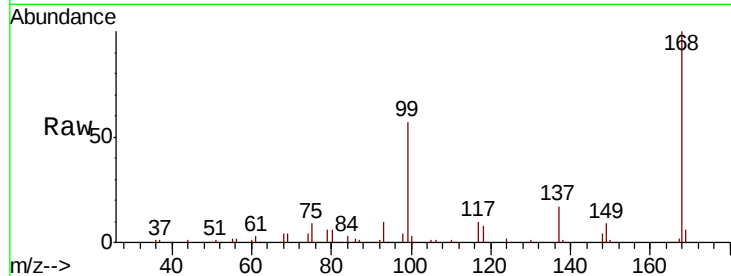




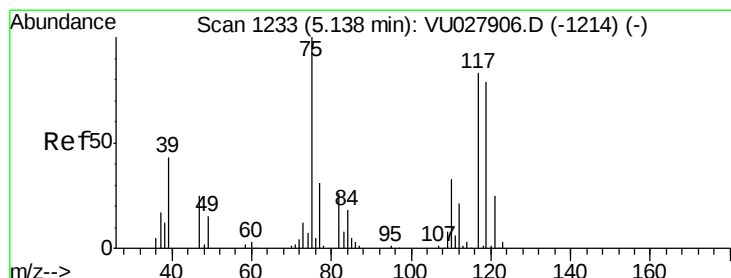
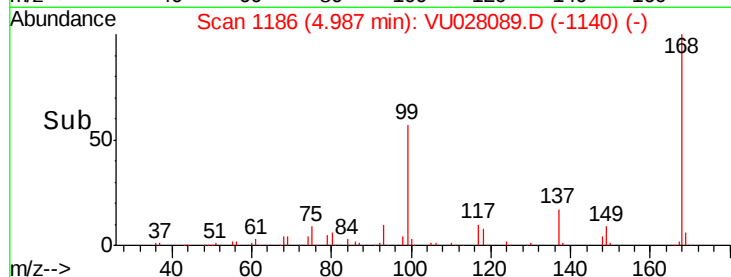
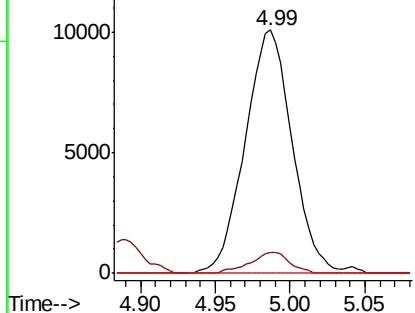
#36
 1,1-Dichloropropene
 Concen: 4.316 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028089.D
 Acq: 13 Nov 2018 14:05

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 21981
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.5 49.5#
 77 0.0 24.9 37.3#

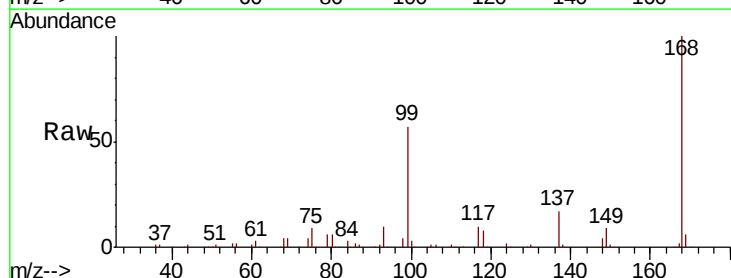


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

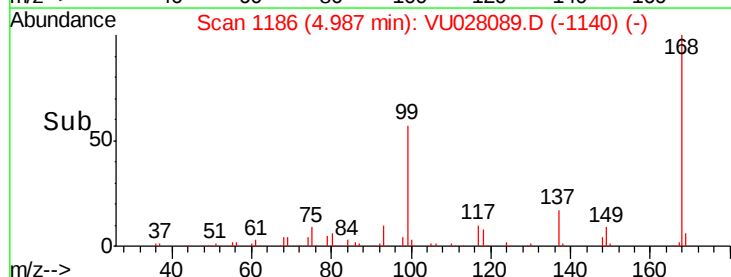
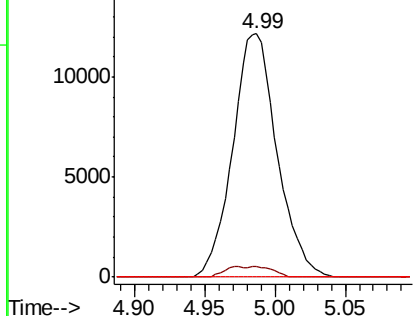


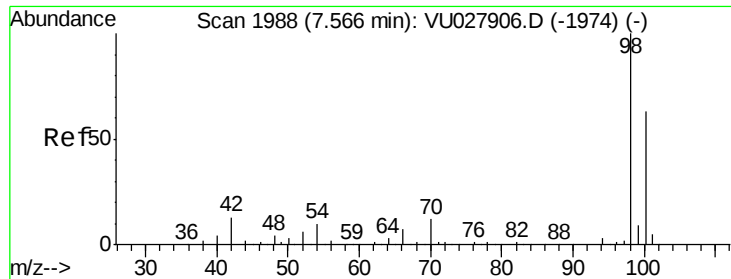
#38
 Carbon Tetrachloride
 Concen: 5.920 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028089.D
 Acq: 13 Nov 2018 14:05

Tgt Ion: 117 Resp: 26722
 Ion Ratio Lower Upper
 117 100
 119 4.4 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

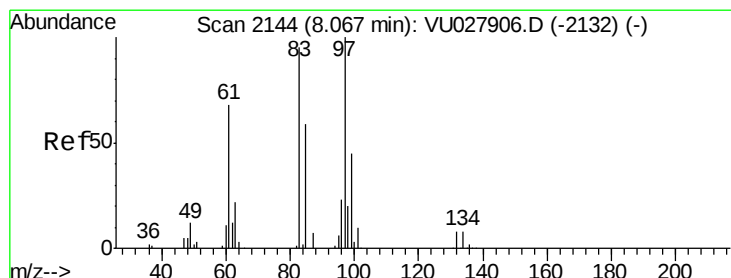
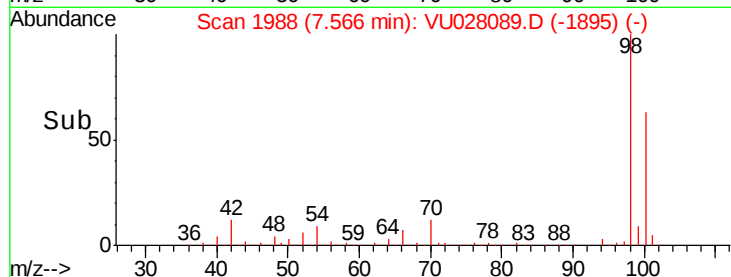
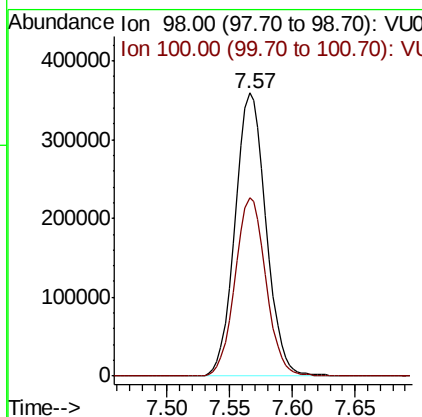
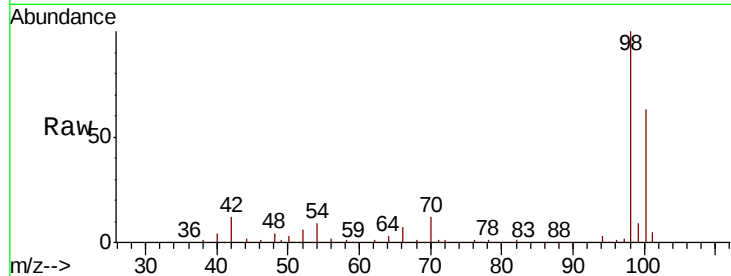




#50
Toluene-d8
Concen: 52.058 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028089.D
Acq: 13 Nov 2018 14:05

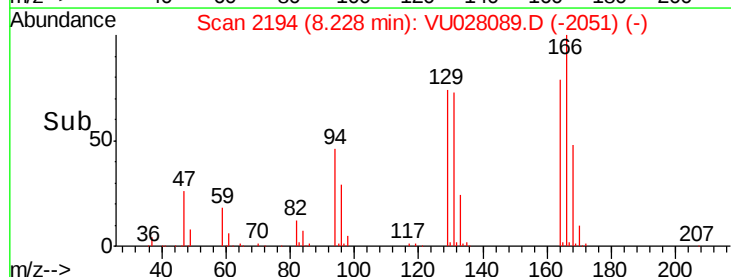
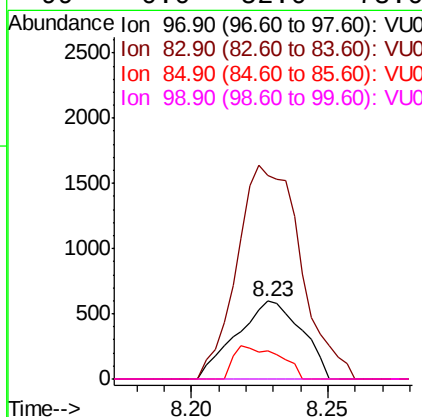
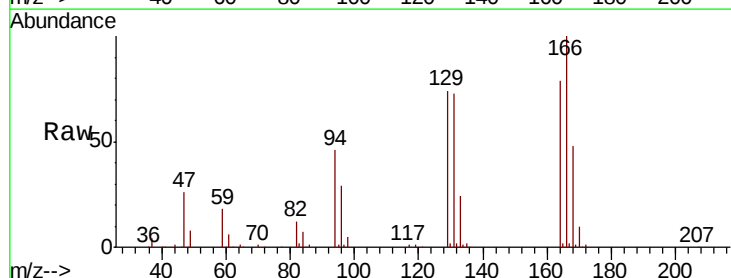
Instrument :
MSVOA_U
ClientSampled :

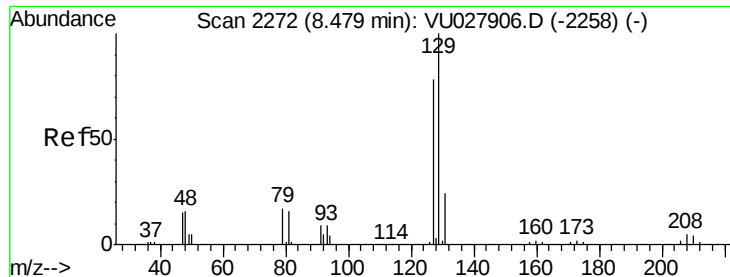
Tot Ion: 98 Resp: 616602
Ion Ratio Lower Upper
98 100
100 62.7 50.1 75.1



#55
1,1,2-Trichloroethane
Concen: 0.266 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.16 min
Lab File: VU028089.D
Acq: 13 Nov 2018 14:05

Tgt Ion: 97 Resp: 989
Ion Ratio Lower Upper
97 100
83 261.6 76.1 114.1#
85 36.7 48.9 73.3#
99 0.0 52.0 78.0#





#60

Dibromochloromethane

Concen: 27.759 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028089.D

Acq: 13 Nov 2018 14:05

Instrument :

MSVOA_U

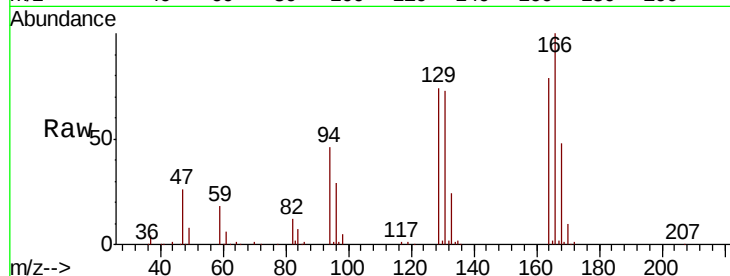
ClientSampleId :

Tot Ion:129 Resp: 97833

Ion Ratio Lower Upper

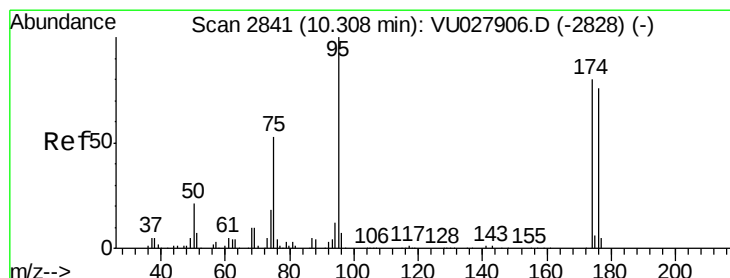
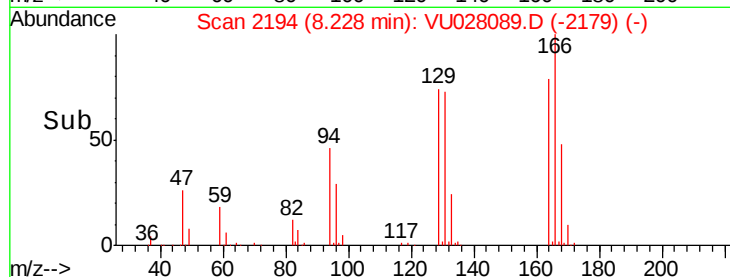
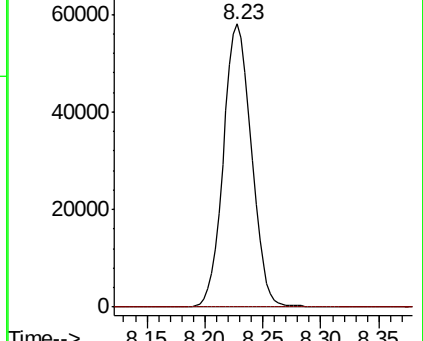
129 100

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: 47.086 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028089.D

Acq: 13 Nov 2018 14:05

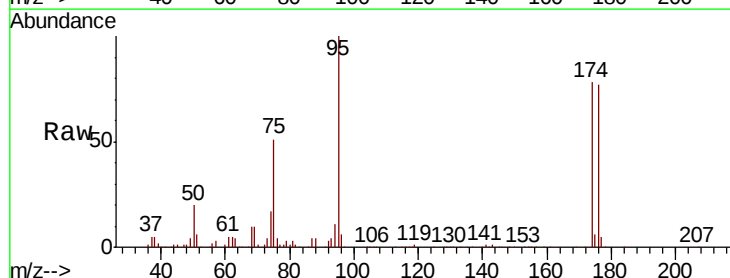
Tgt Ion: 95 Resp: 205706

Ion Ratio Lower Upper

95 100

174 78.5 0.0 156.4

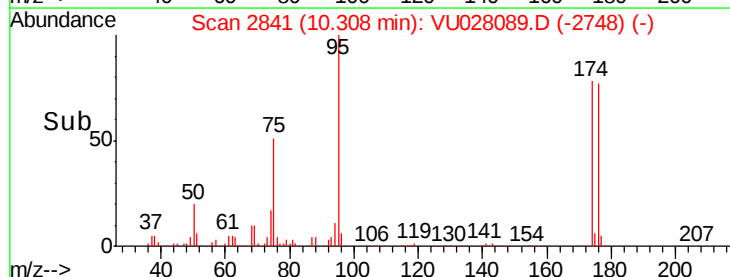
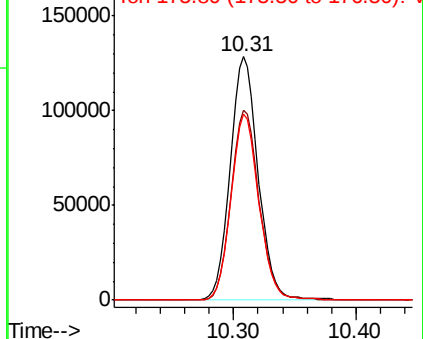
176 76.3 0.0 150.8

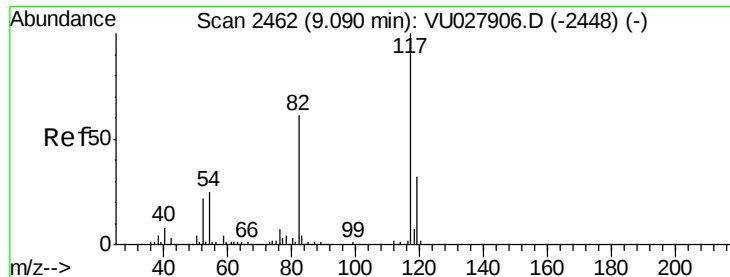


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

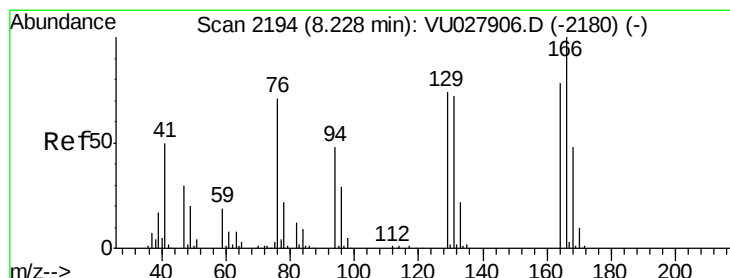
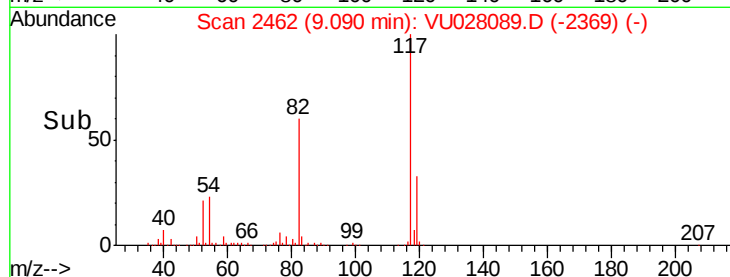
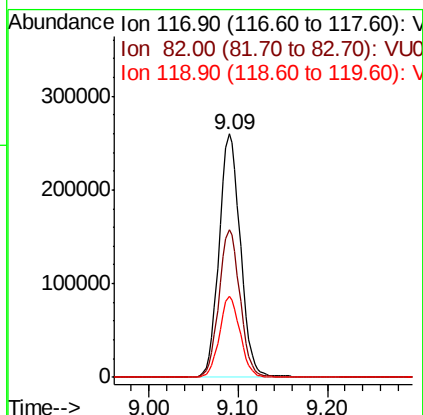
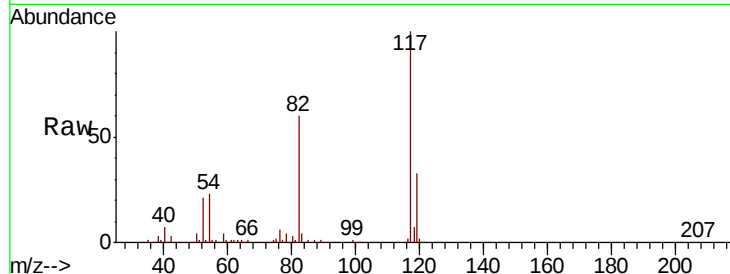




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028089.D
Acq: 13 Nov 2018 14:05

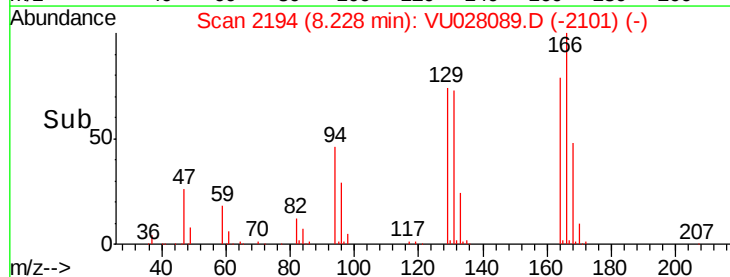
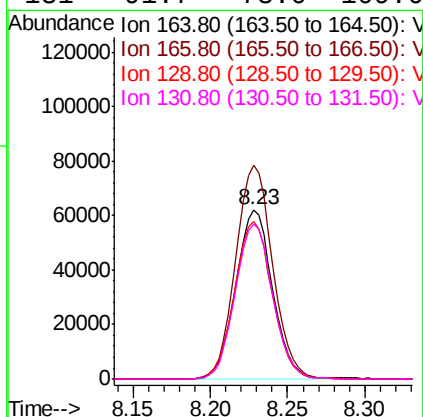
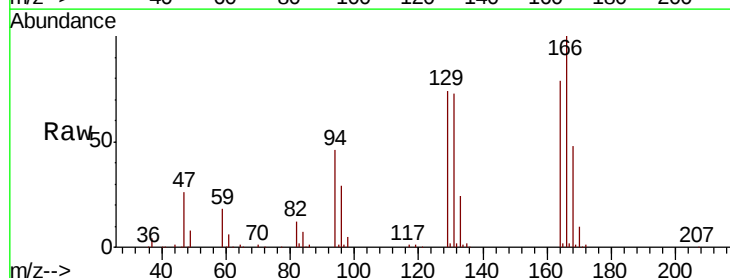
Instrument :
MSVOA_U
ClientSampleId :

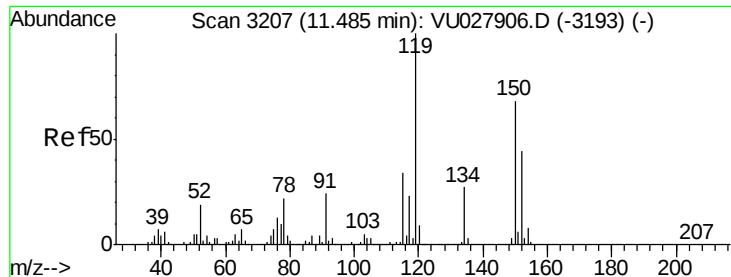
Tot Ion:117 Resp: 430775
Ion Ratio Lower Upper
117 100
82 60.5 48.6 73.0
119 33.2 25.8 38.8



#64
Tetrachloroethene
Concen: 36.825 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028089.D
Acq: 13 Nov 2018 14:05

Tgt Ion:164 Resp: 102862
Ion Ratio Lower Upper
164 100
166 126.0 102.1 153.1
129 93.2 75.9 113.9
131 91.7 73.0 109.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU028089.D

Acq: 13 Nov 2018 14:05

Instrument :

MSVOA_U

ClientSampled :

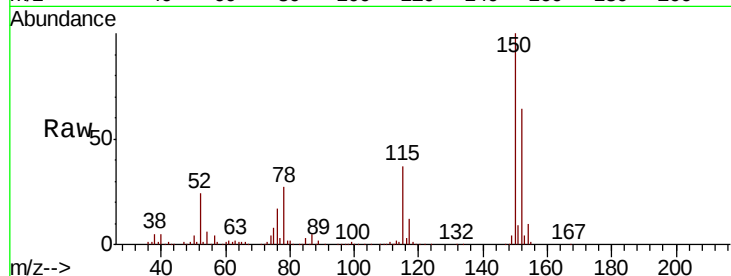
Tot Ion:152 Resp: 182695

Ion Ratio Lower Upper

152 100

115 58.8 43.0 129.0

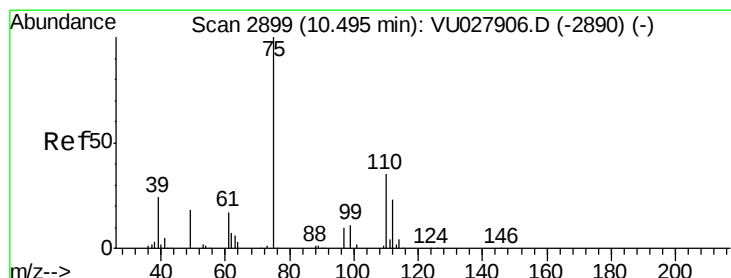
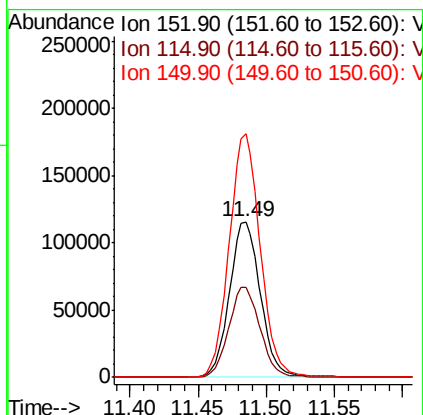
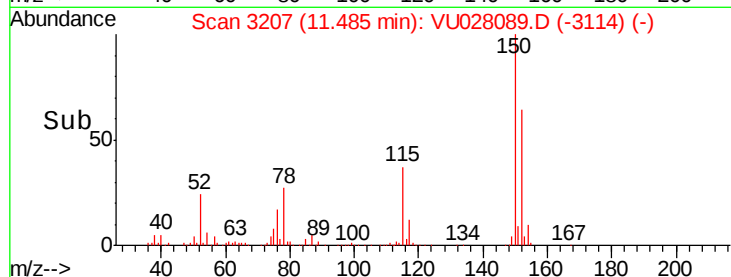
150 157.2 0.0 349.4



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: 21.028 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028089.D

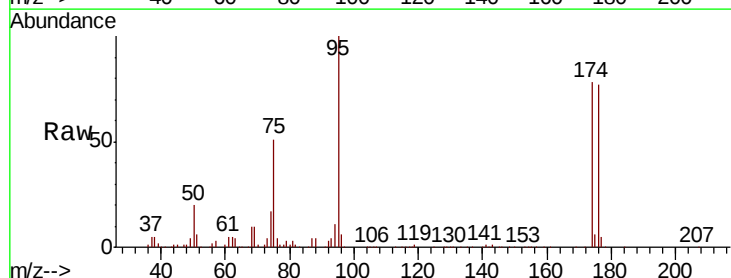
Acq: 13 Nov 2018 14:05

Tgt Ion: 75 Resp: 105084

Ion Ratio Lower Upper

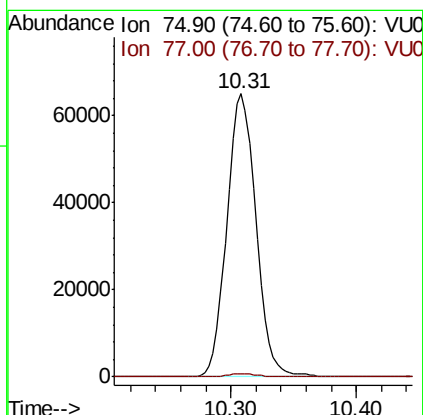
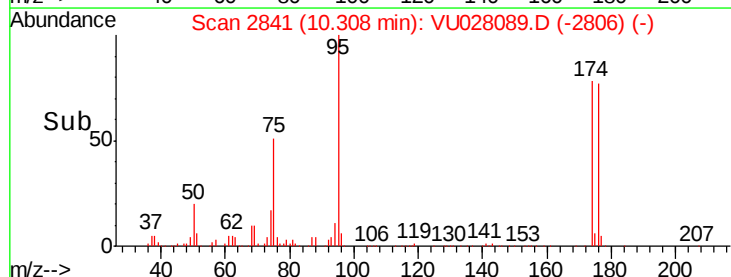
75 100

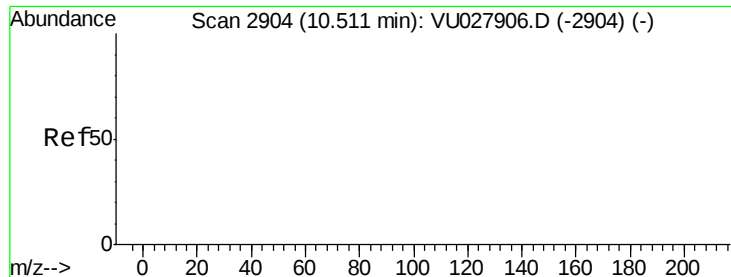
77 1.2 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

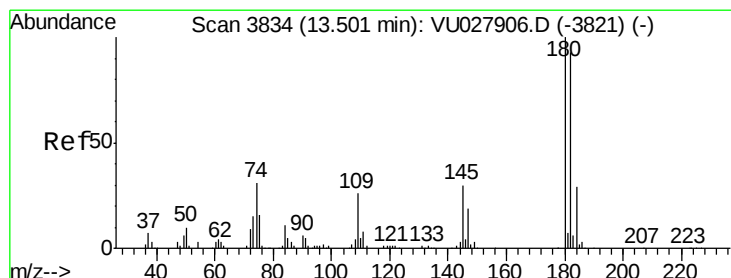
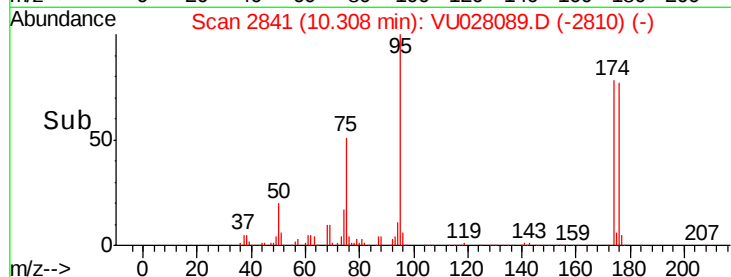
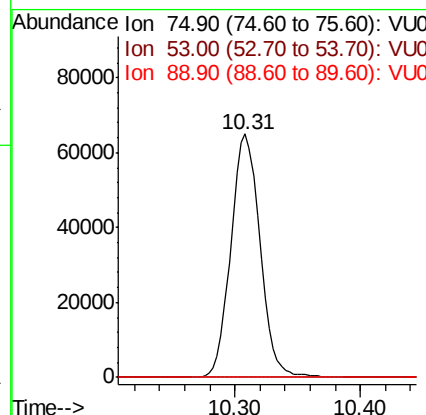
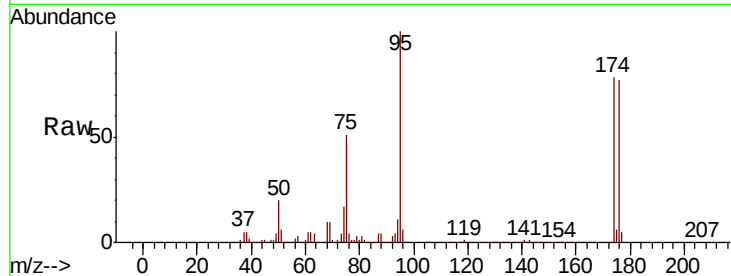




#81
trans-1,4-Dichloro-2-butene
Concen: 52.490 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU028089.D
Acq: 13 Nov 2018 14:05

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 105084
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 0.755 ug/l
RT: 13.51 min Scan# 3838
Delta R.T. 0.01 min
Lab File: VU028089.D
Acq: 13 Nov 2018 14:05

Tgt Ion:180 Resp: 301
Ion Ratio Lower Upper
180 100
182 0.0 48.4 145.2#
145 0.0 14.9 44.5#

