

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111218\
 Data File : VU028078.D
 Acq On : 12 Nov 2018 20:34
 Operator : MD/SY
 Sample : J5909-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SB-15

Quant Time: Nov 13 02:48:33 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	175149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	331612	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	110966	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	151704	58.26	ug/l	0.00
Spiked Amount			Recovery	=	116.52%	
35) Dibromofluoromethane	4.88	113	109269	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
50) Toluene-d8	7.57	98	423830	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	10.31	95	133462	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	

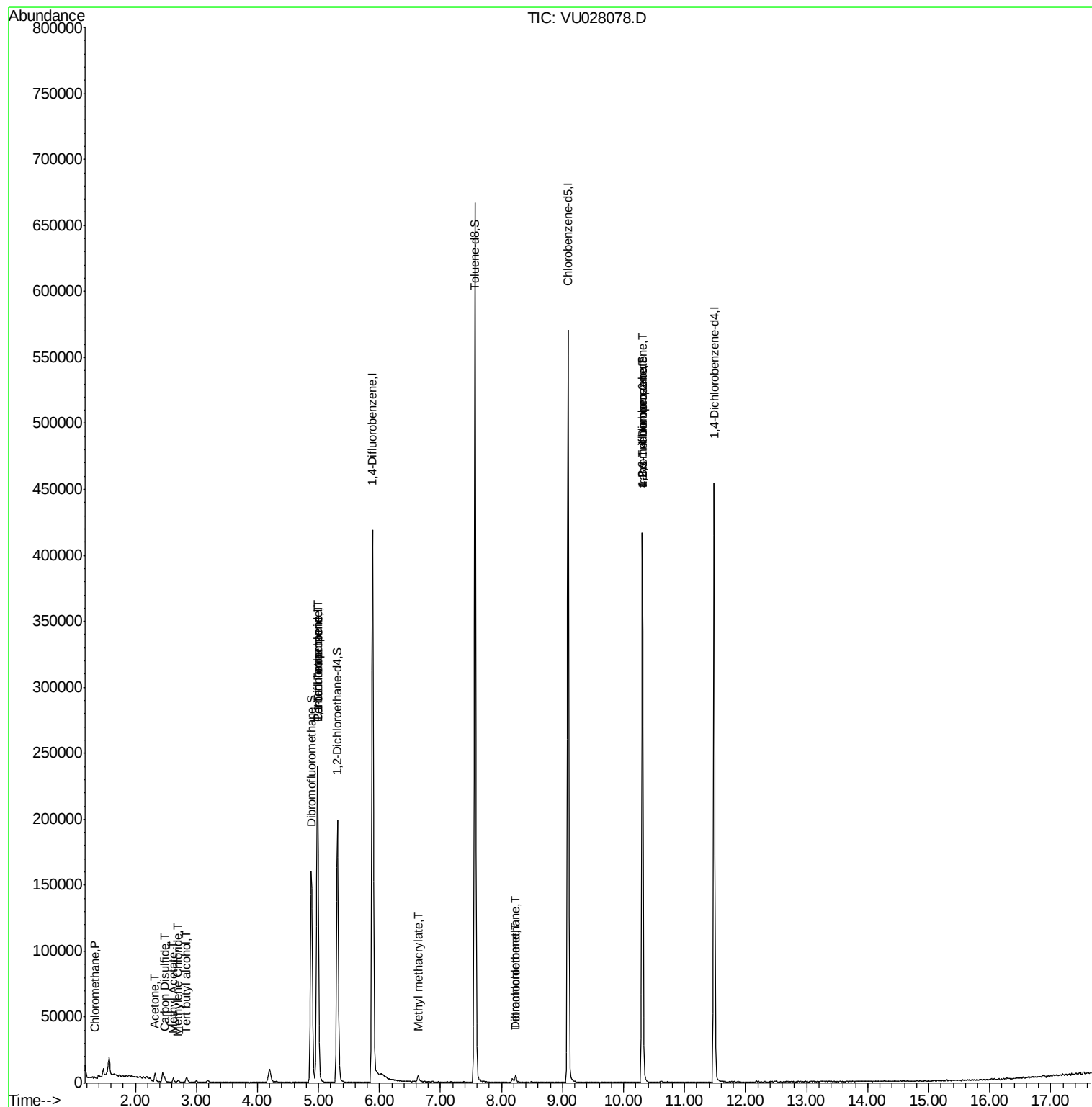
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	766	0.285	ug/l #	88
11) Tert butyl alcohol	2.84	59	2299	3.335	ug/l #	73
13) Acrolein	2.19	56	48	Below Cal	#	1
16) Acetone	2.32	43	7097	4.393	ug/l	92
17) Carbon Disulfide	2.48	76	3598	0.600	ug/l #	94
18) Methyl Acetate	2.62	43	4137	0.931	ug/l #	89
20) Methylene Chloride	2.70	84	516	0.219	ug/l #	72
31) Cyclohexane	4.98	56	4312	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16348	4.707	ug/l #	50
38) Carbon Tetrachloride	4.99	117	18153	5.898	ug/l #	16
48) Methyl methacrylate	6.63	41	3109	0.796	ug/l	95
60) Dibromochloromethane	8.23	129	1114	0.464	ug/l #	10
64) Tetrachloroethene	8.23	164	1279	0.684	ug/l	94
76) 1,2,3-Trichloropropane	10.31	75	72104	23.756	ug/l #	34
81) trans-1,4-Dichloro-2-buten	10.31	75	72104	59.264	ug/l #	100
95) Naphthalene	13.80	128	98	Below Cal	#	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028078.D

Acq: 12 Nov 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

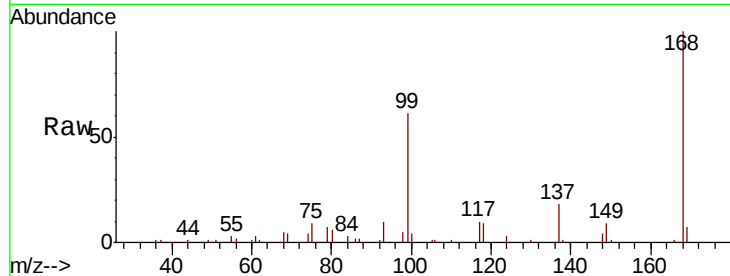
SB-15

Tot Ion:168 Resp: 175149

Ion Ratio Lower Upper

168 100

99 60.8 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU028078.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028078.D (-1092) (-)

4.98

80000

60000

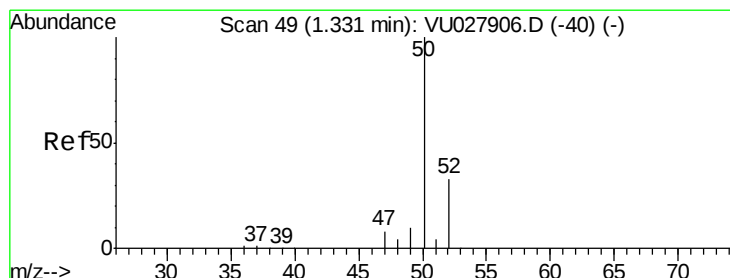
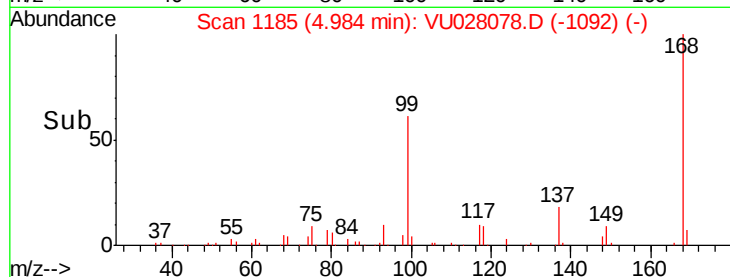
40000

20000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.285 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028078.D

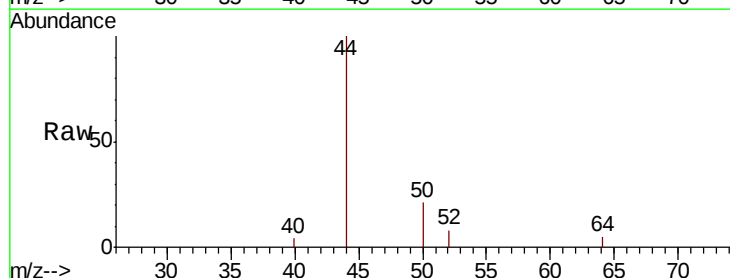
Acq: 12 Nov 2018 20:34

Tgt Ion: 50 Resp: 766

Ion Ratio Lower Upper

50 100

52 39.6 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VU028078.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU028078.D (-1) (-)

1.33

600

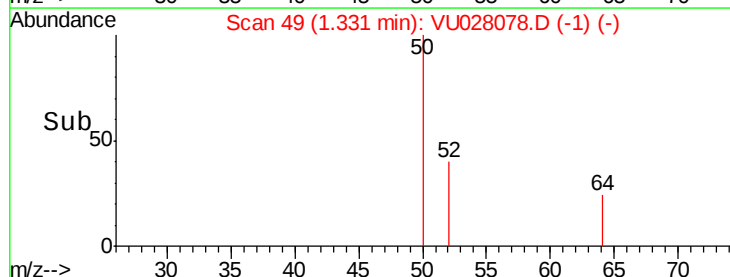
400

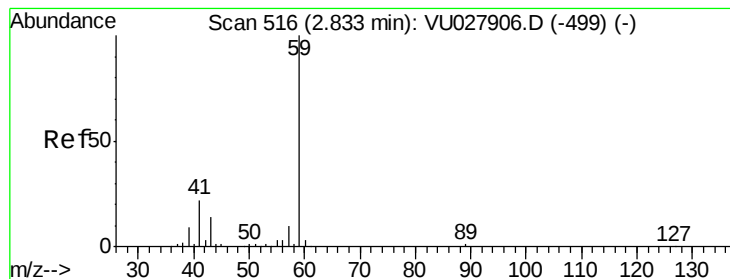
200

0

1.30 1.32 1.34 1.36

Time-->



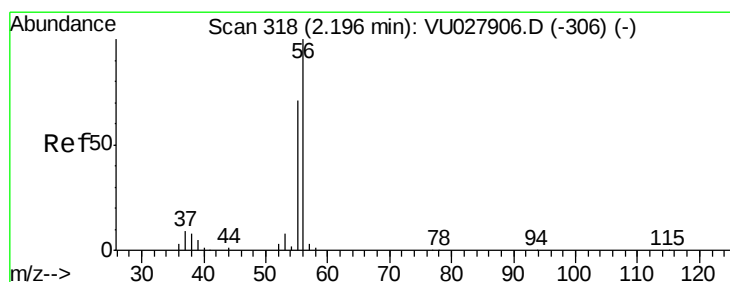
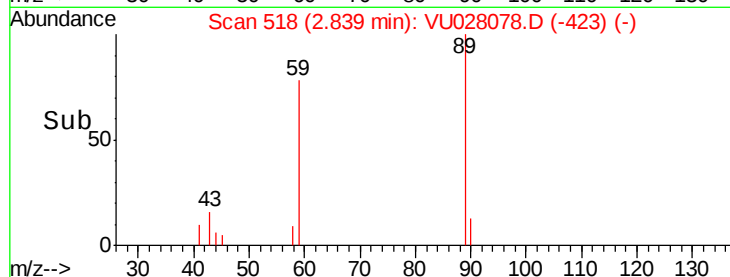
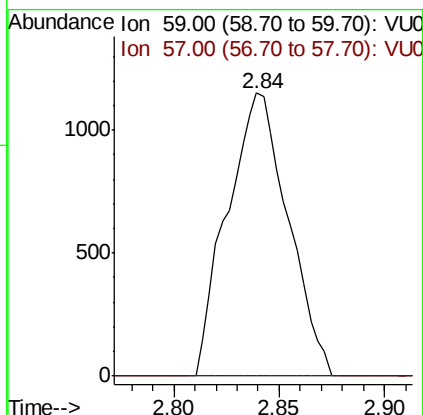
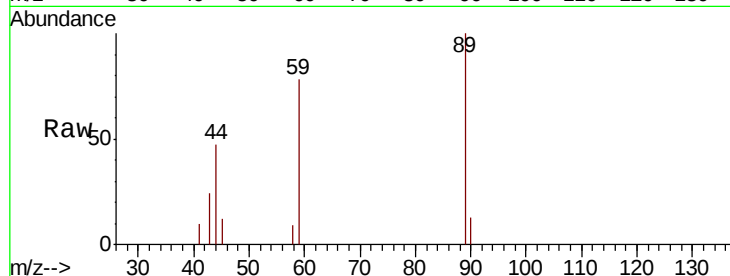


#11

Tert butyl alcohol
 Concen: 3.335 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU028078.D
 Acq: 12 Nov 2018 20:34

Instrument :
 MSVOA_U
 ClientSampled :
 SB-15

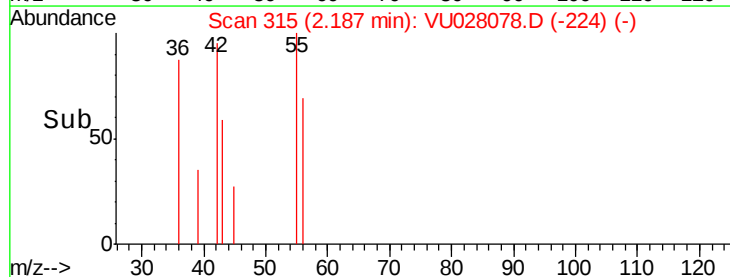
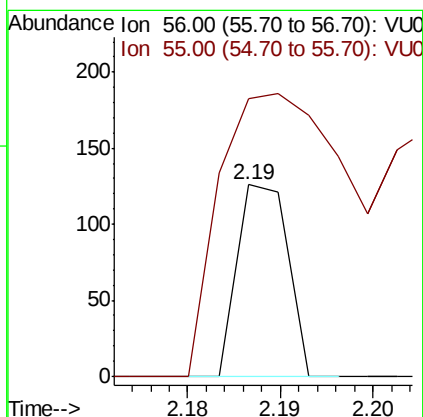
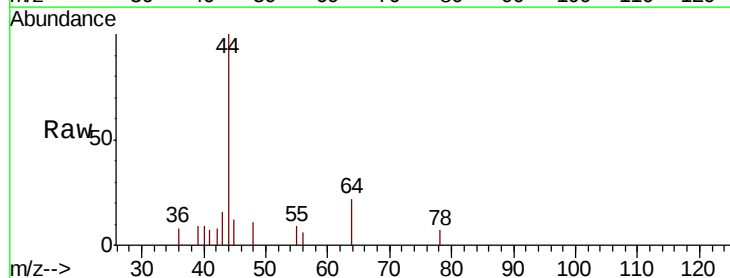
Tot Ion: 59 Resp: 2299
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

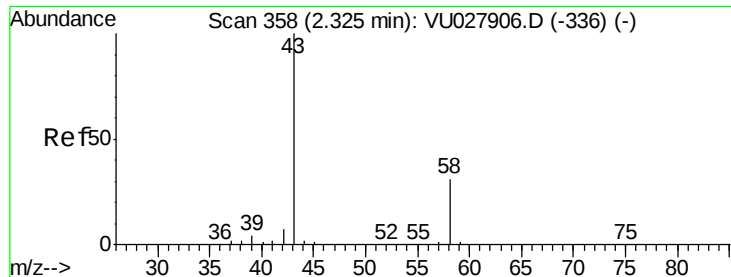


#13

Acrolein
 Concen: Below Cal
 RT: 2.19 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VU028078.D
 Acq: 12 Nov 2018 20:34

Tgt Ion: 56 Resp: 48
 Ion Ratio Lower Upper
 56 100
 55 372.9 56.2 84.4#





#16

Acetone

Concen: 4.393 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028078.D

Acq: 12 Nov 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

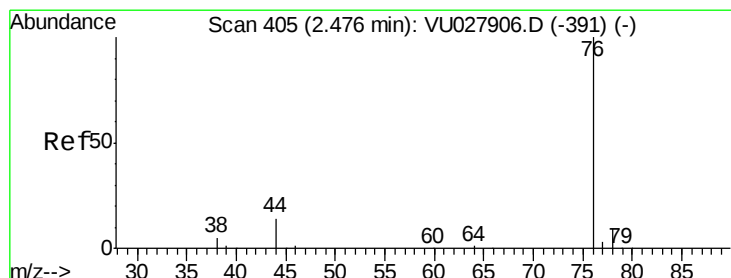
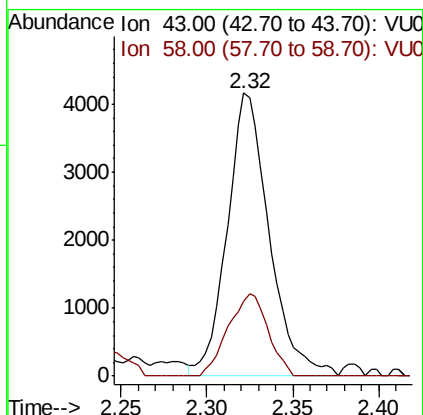
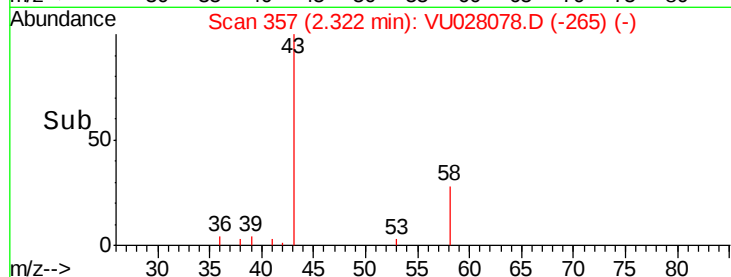
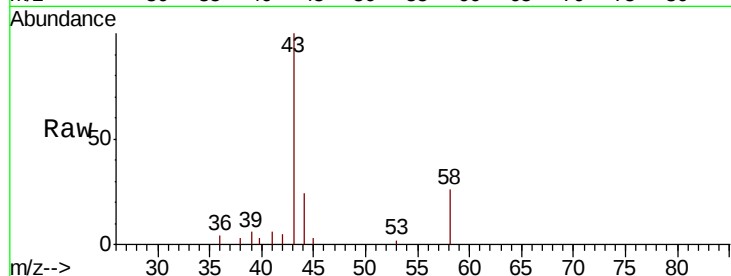
SB-15

Tot Ion: 43 Resp: 7097

Ion Ratio Lower Upper

43 100

58 26.3 24.6 37.0



#17

Carbon Disulfide

Concen: 0.600 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028078.D

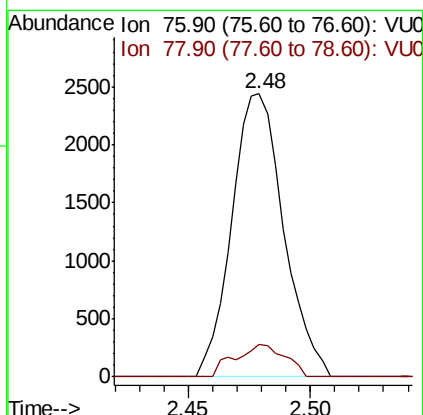
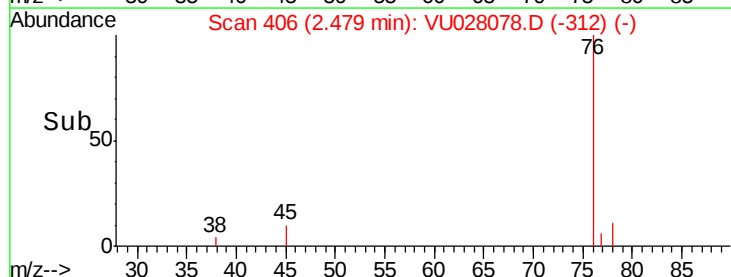
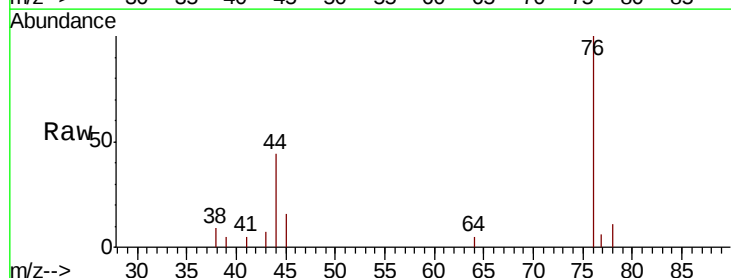
Acq: 12 Nov 2018 20:34

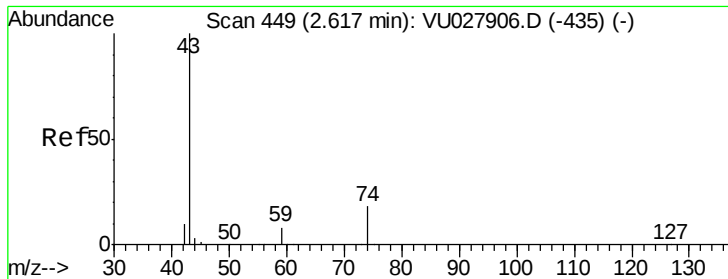
Tgt Ion: 76 Resp: 3598

Ion Ratio Lower Upper

76 100

78 11.3 7.4 11.0#

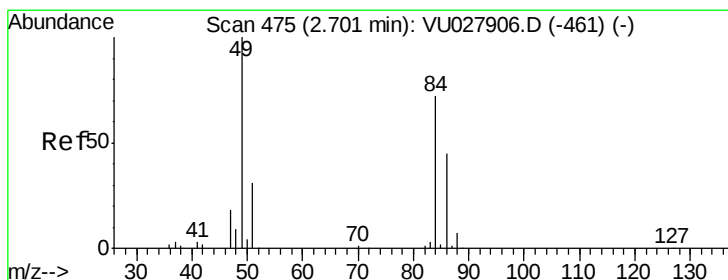
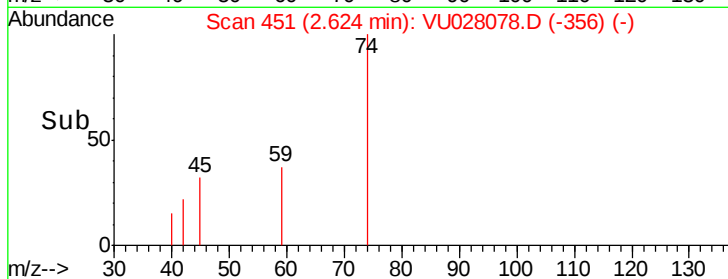
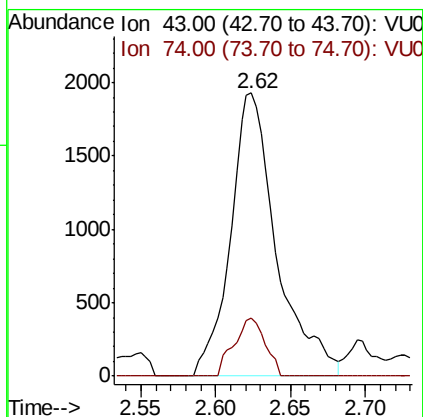
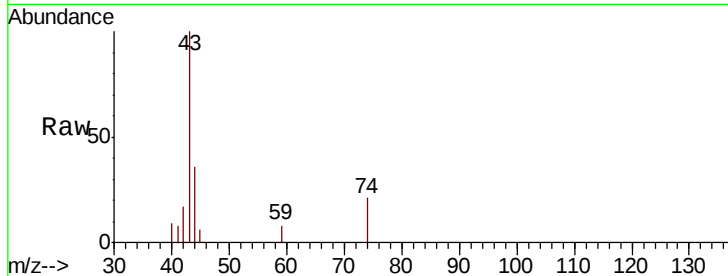




#18
Methyl Acetate
Concen: 0.931 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028078.D
Acq: 12 Nov 2018 20:34

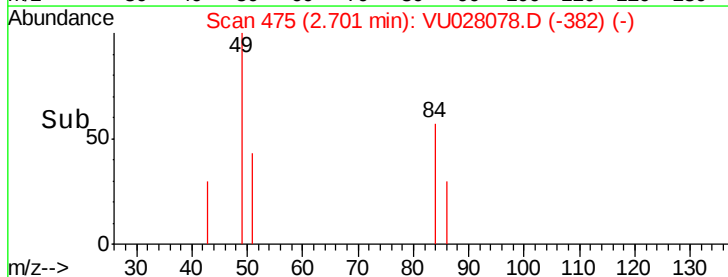
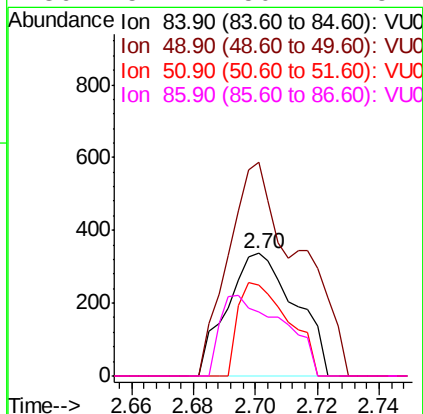
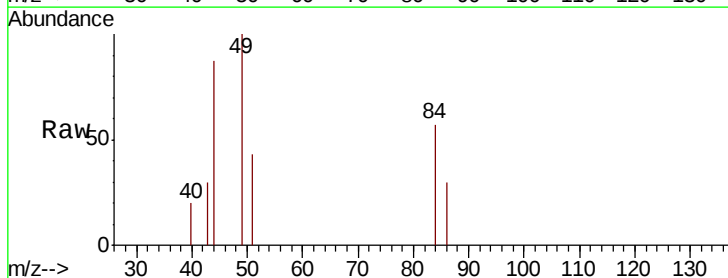
Instrument :
MSVOA_U
ClientSampled :
SB-15

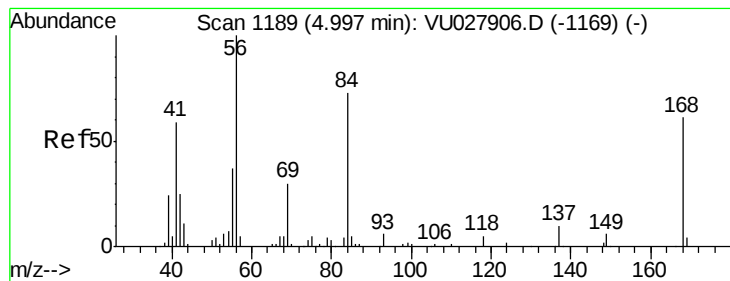
Tot Ion: 43 Resp: 4137
Ion Ratio Lower Upper
43 100
74 13.8 14.9 22.3#



#20
Methylene Chloride
Concen: 0.219 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028078.D
Acq: 12 Nov 2018 20:34

Tgt Ion: 84 Resp: 516
Ion Ratio Lower Upper
84 100
49 174.7 111.6 167.4#
51 74.4 34.8 52.2#
86 52.1 50.1 75.1





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU028078.D

Acq: 12 Nov 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

SB-15

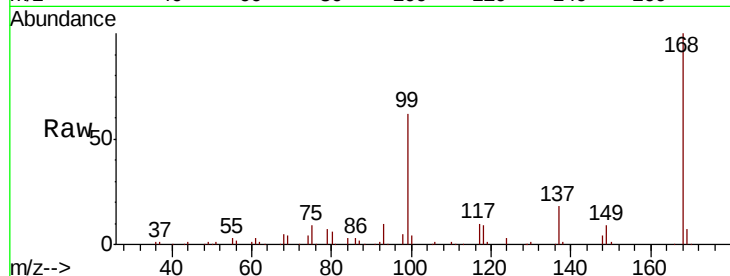
Tot Ion: 56 Resp: 4312

Ion Ratio Lower Upper

56 100

69 178.6 23.7 35.5#

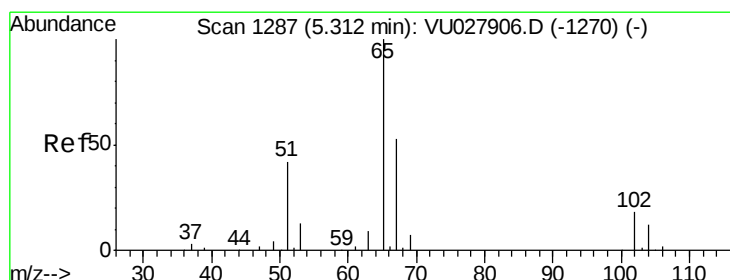
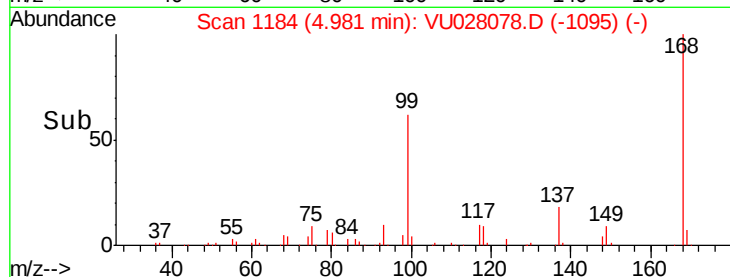
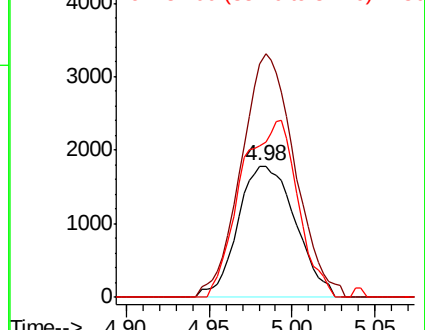
84 115.8 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VU028078.D (-1184) (-)

Ion 69.00 (68.70 to 69.70): VU028078.D (-1184) (-)

Ion 84.00 (83.70 to 84.70): VU028078.D (-1184) (-)



#33

1,2-Dichloroethane-d4

Concen: 58.257 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU028078.D

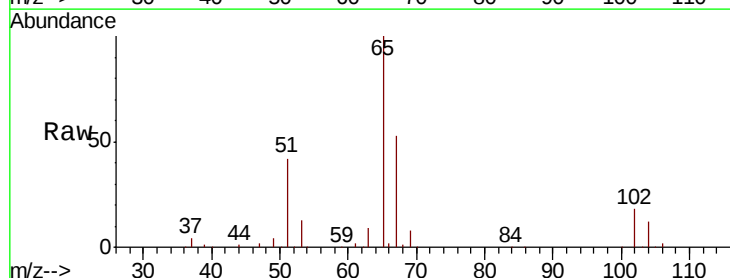
Acq: 12 Nov 2018 20:34

Tgt Ion: 65 Resp: 151704

Ion Ratio Lower Upper

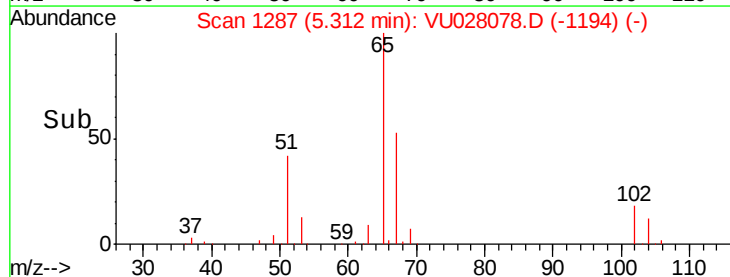
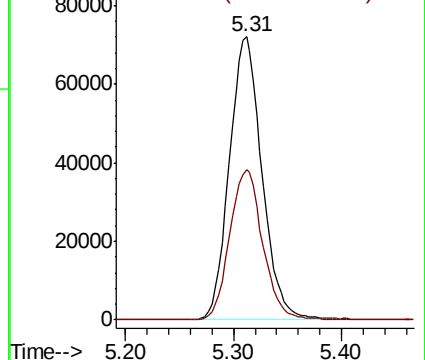
65 100

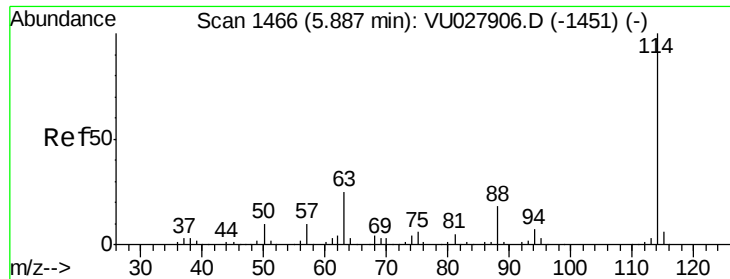
67 53.7 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU028078.D (-1287) (-)

Ion 66.90 (66.60 to 67.60): VU028078.D (-1287) (-)

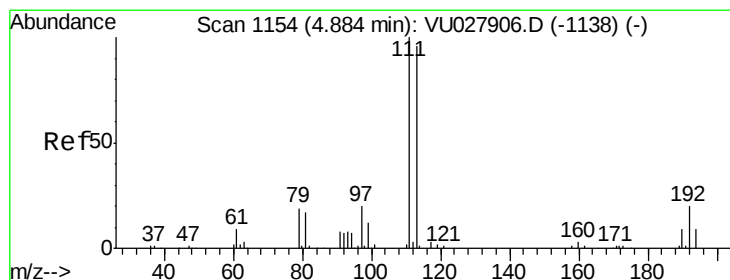
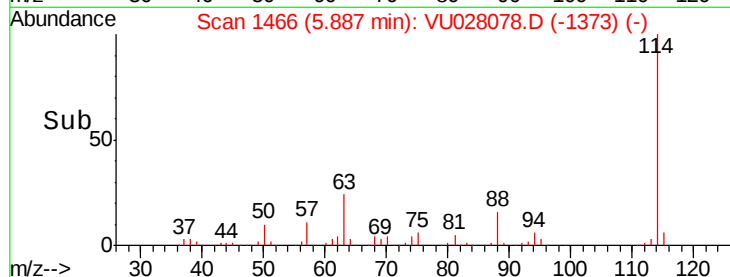
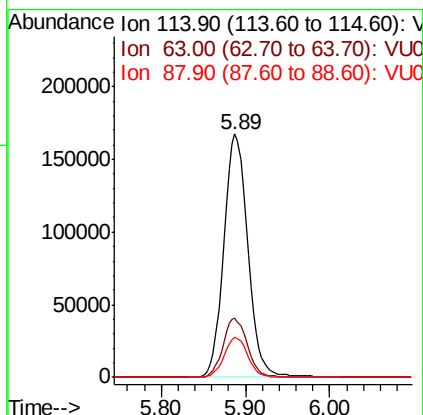
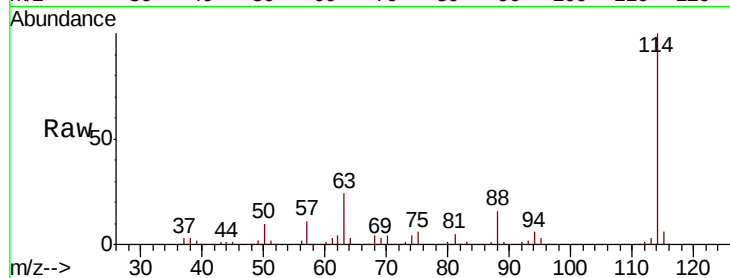




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028078.D
 Acq: 12 Nov 2018 20:34

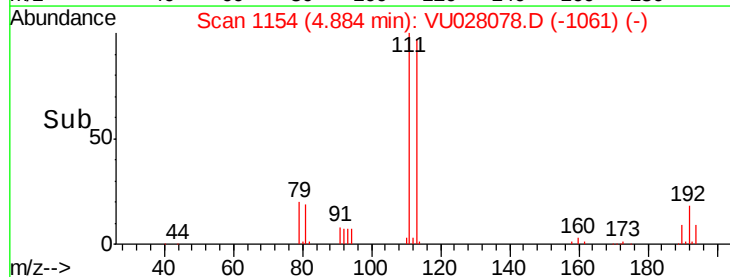
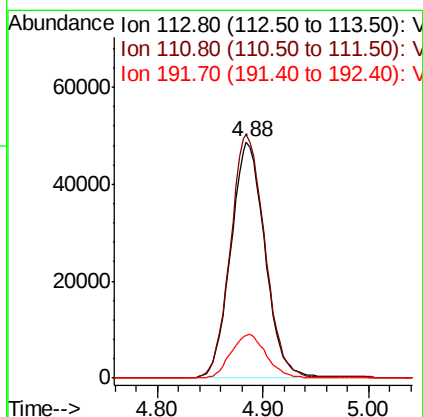
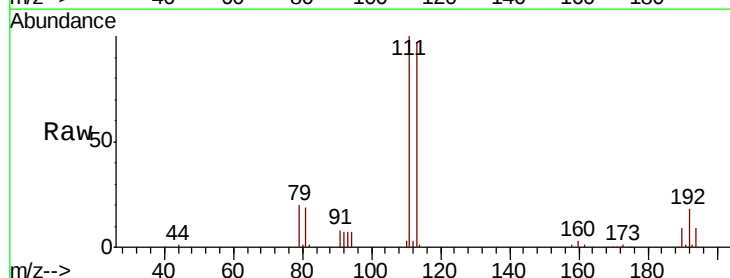
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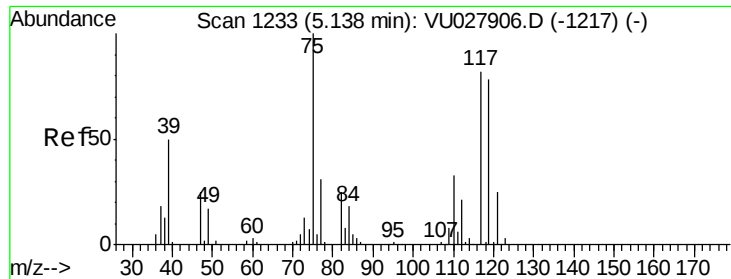
Tot Ion:114 Resp: 331612
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 50.8
 88 16.4 0.0 35.8



#35
 Dibromofluoromethane
 Concen: 52.260 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028078.D
 Acq: 12 Nov 2018 20:34

Tgt Ion:113 Resp: 109269
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.0 124.6
 192 19.2 15.6 23.4

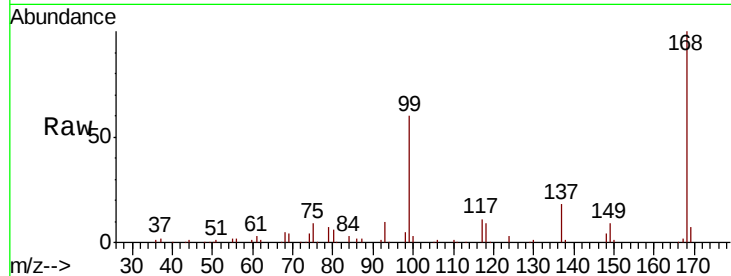




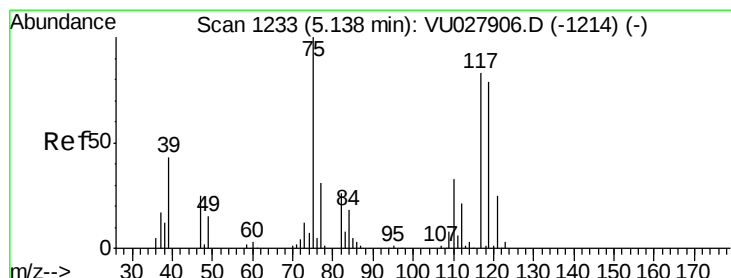
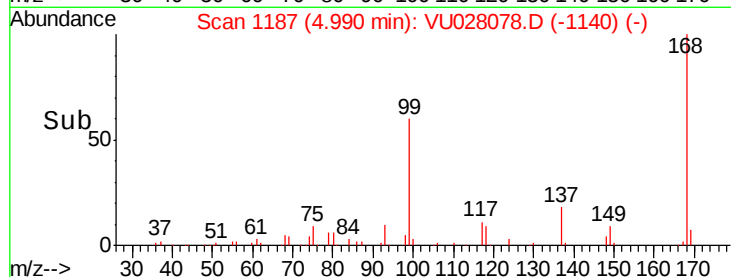
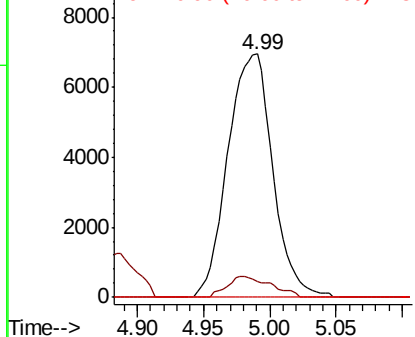
#36
 1,1-Dichloropropene
 Concen: 4.707 ug/l
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.15 min
 Lab File: VU028078.D
 Acq: 12 Nov 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 SB-15

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.5	49.5#
77	0.0	24.9	37.3#

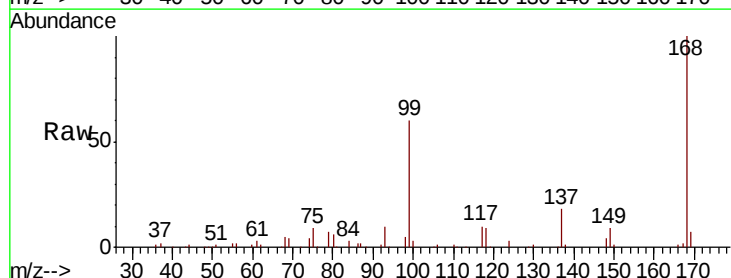


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

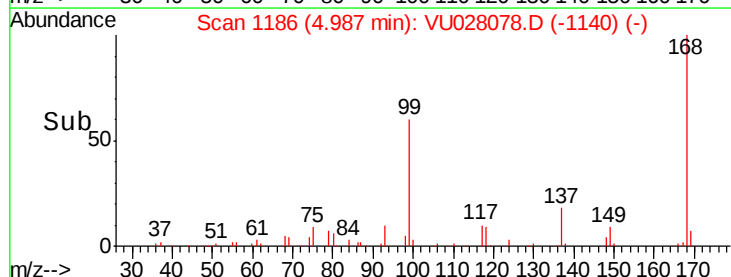
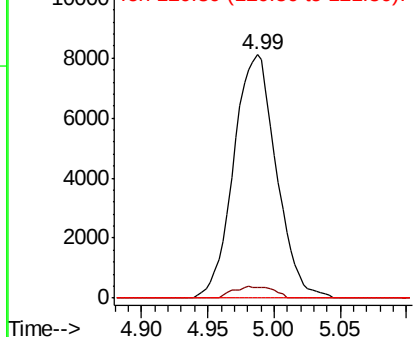


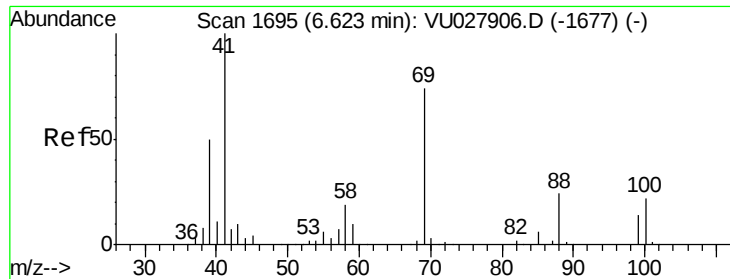
#38
 Carbon Tetrachloride
 Concen: 5.898 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028078.D
 Acq: 12 Nov 2018 20:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	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





#48

Methyl methacrylate

Concen: 0.796 ug/l

RT: 6.63 min Scan# 1698

Delta R.T. 0.01 min

Lab File: VU028078.D

Acq: 12 Nov 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

SB-15

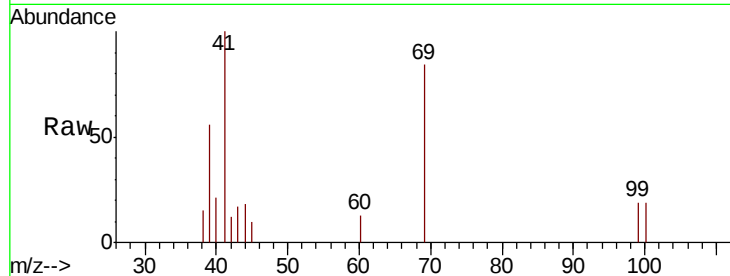
Tot Ion: 41 Resp: 3109

Ion Ratio Lower Upper

41 100

69 71.4 59.8 89.8

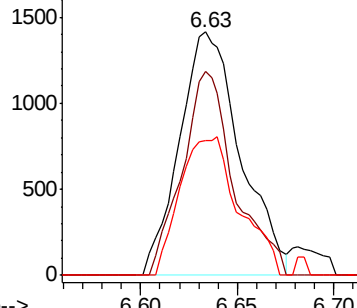
39 55.2 40.0 60.0



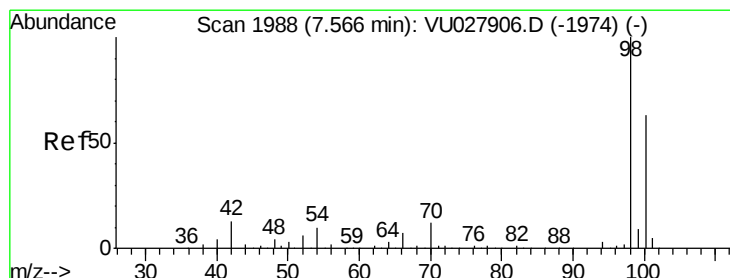
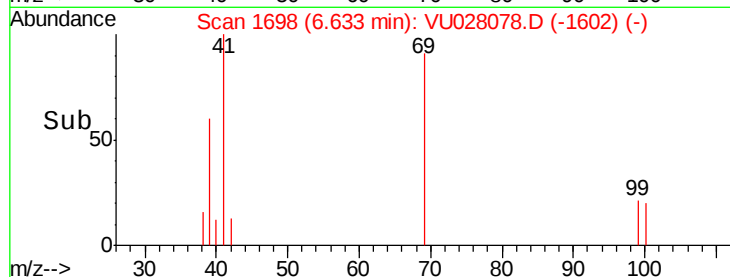
Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-1677) (-)

Ion 69.00 (68.70 to 69.70): VU027906.D (-1677) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-1677) (-)



Time-->



#50

Toluene-d8

Concen: 52.475 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028078.D

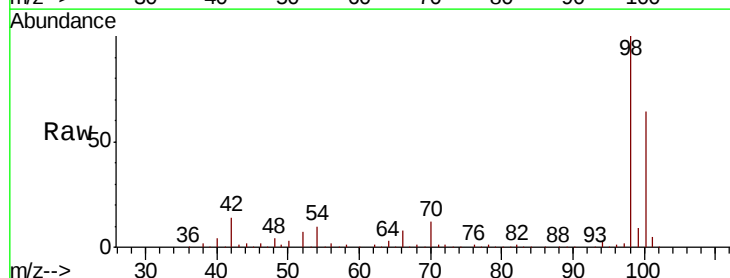
Acq: 12 Nov 2018 20:34

Tgt Ion: 98 Resp: 423830

Ion Ratio Lower Upper

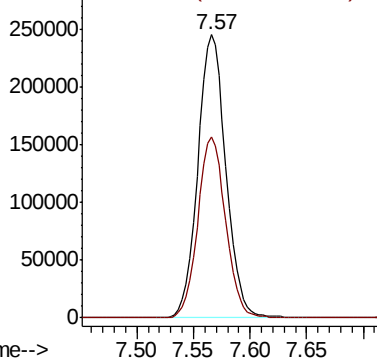
98 100

100 63.5 50.1 75.1

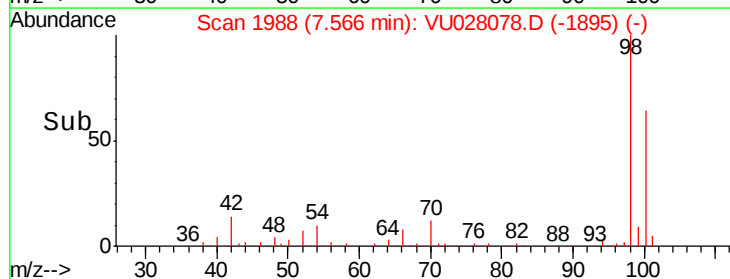


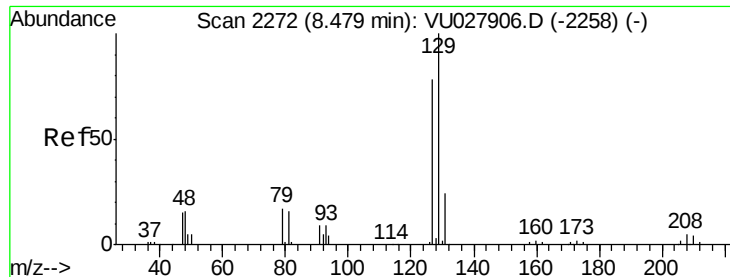
Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)



Time-->





#60

Dibromochloromethane

Concen: 0.464 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU028078.D

Acq: 12 Nov 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

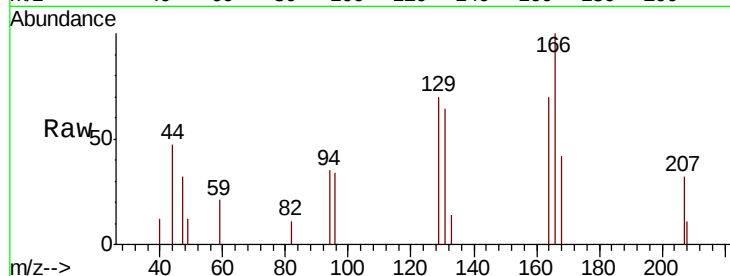
SB-15

Tot Ion:129 Resp: 1114

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

8.23

800

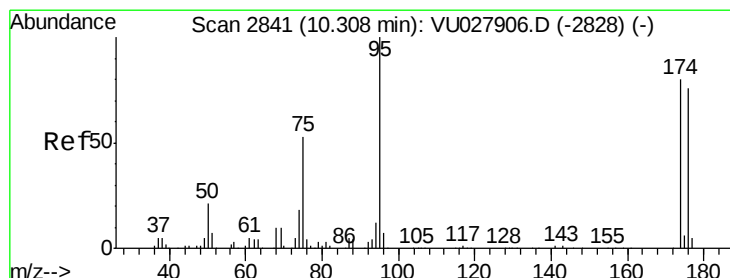
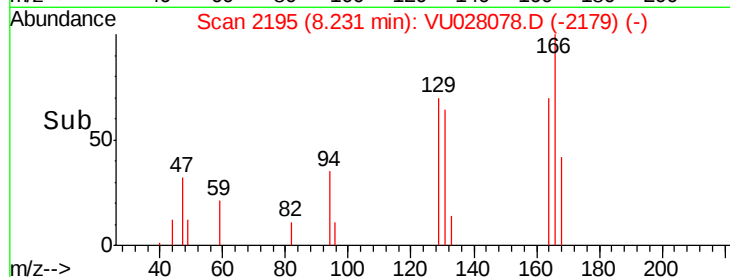
600

400

200

0

Time--> 8.18 8.20 8.22 8.24 8.26



#62

4-Bromofluorobenzene

Concen: 44.800 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028078.D

Acq: 12 Nov 2018 20:34

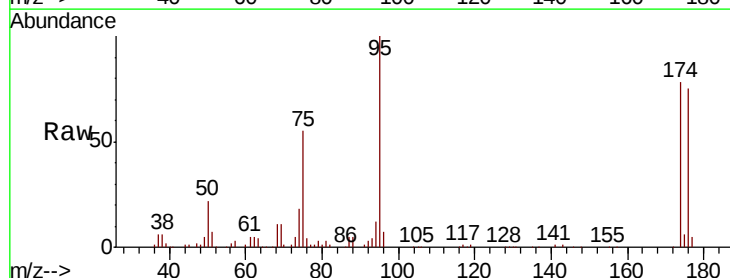
Tgt Ion: 95 Resp: 133462

Ion Ratio Lower Upper

95 100

174 77.7 0.0 156.4

176 73.9 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

100000

80000

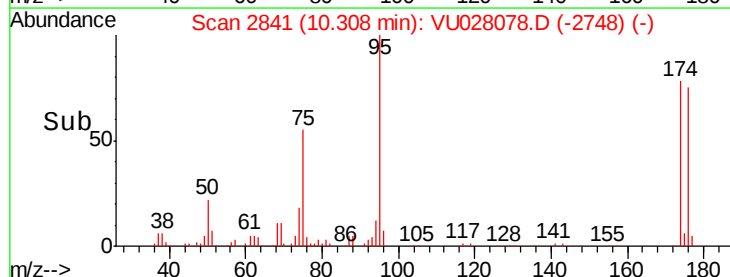
60000

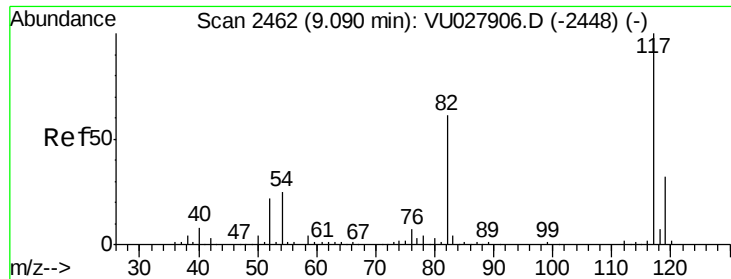
40000

20000

0

Time--> 10.30 10.40

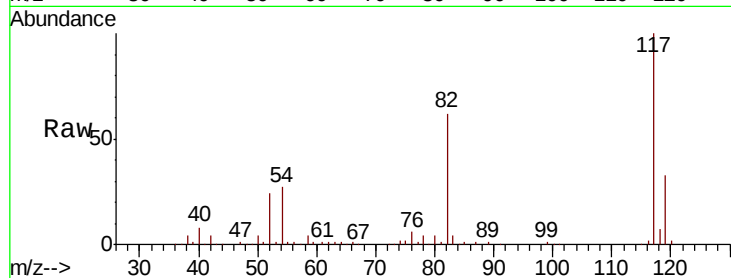




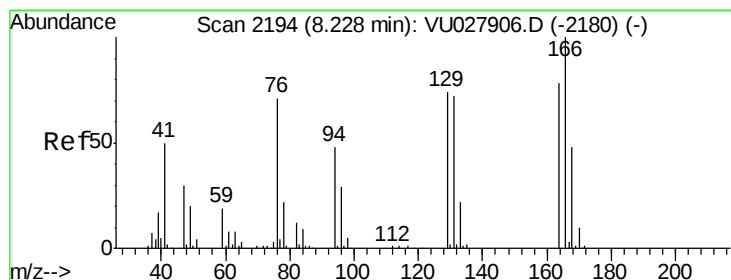
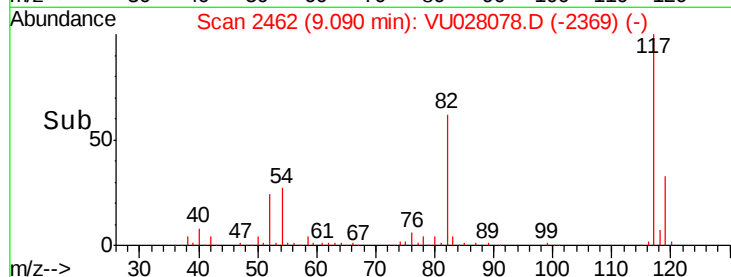
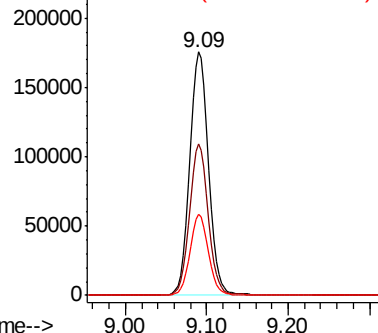
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028078.D
Acq: 12 Nov 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
SB-15

Tot Ion:117 Resp: 288409
Ion Ratio Lower Upper
117 100
82 62.0 48.6 73.0
119 33.3 25.8 38.8

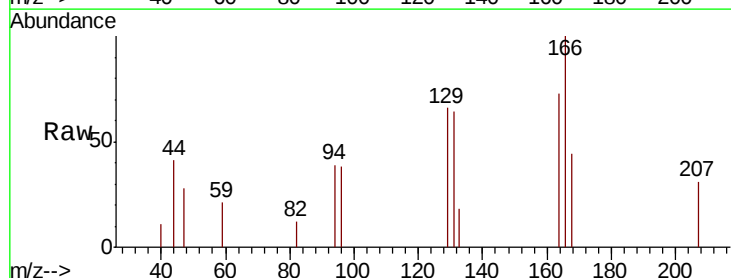


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

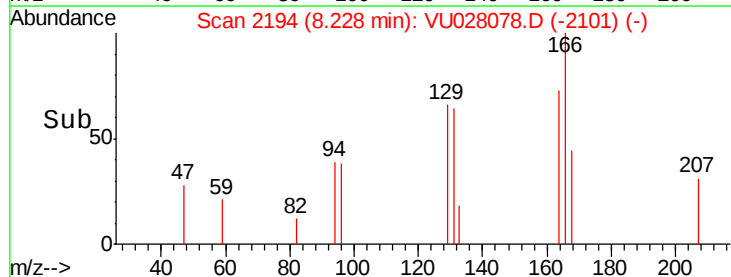
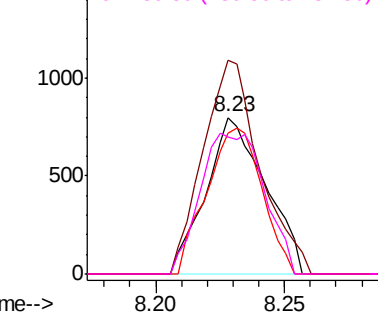


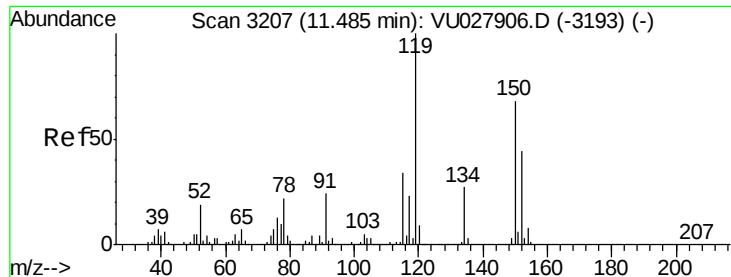
#64
Tetrachloroethene
Concen: 0.684 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028078.D
Acq: 12 Nov 2018 20:34

Tgt Ion:164 Resp: 1279
Ion Ratio Lower Upper
164 100
166 136.4 102.1 153.1
129 90.2 75.9 113.9
131 87.7 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



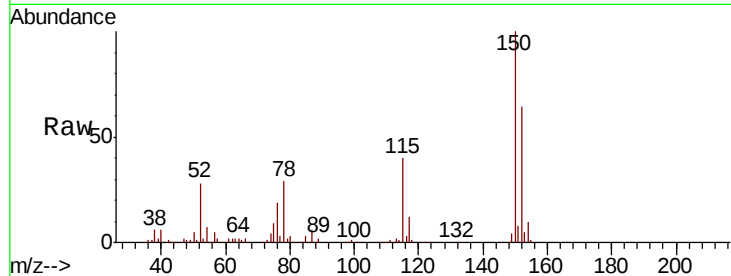


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028078.D
Acq: 12 Nov 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
SB-15

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.2	43.0	129.0
150	153.9	0.0	349.4

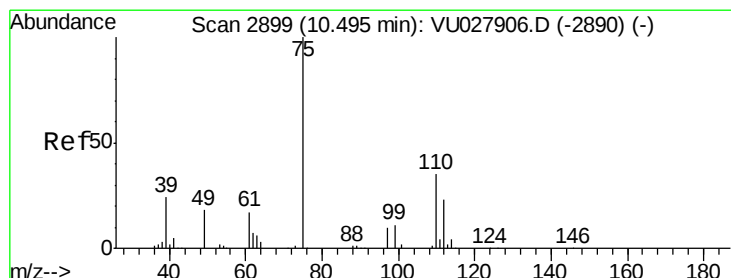
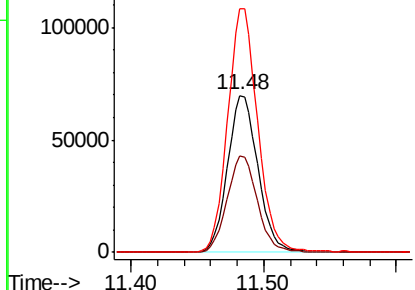
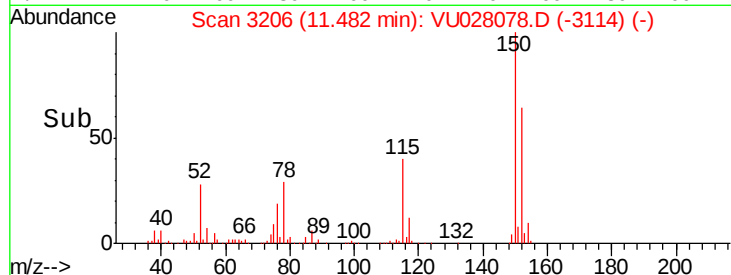


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

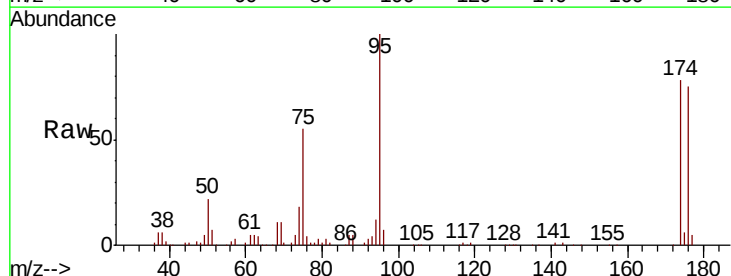
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 23.756 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU028078.D
Acq: 12 Nov 2018 20:34

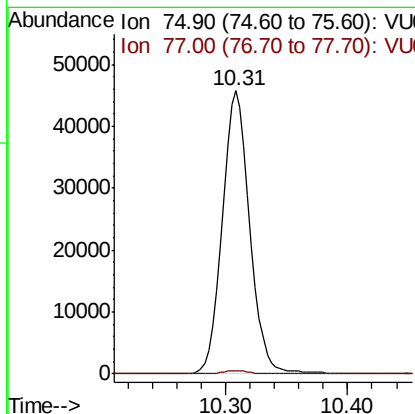
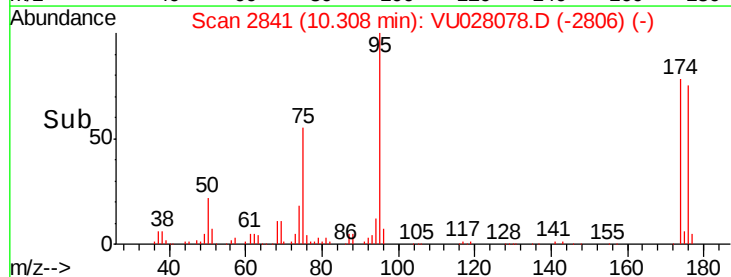
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.6	64.6

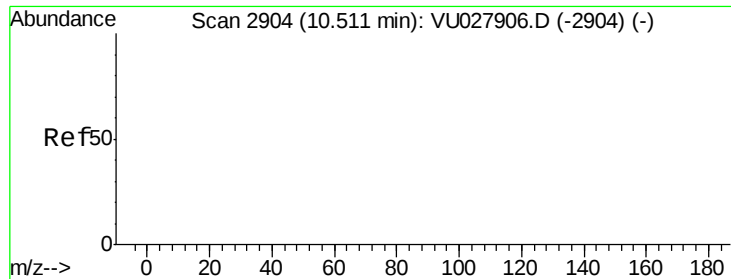


Abundance

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: 59.264 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028078.D

Acq: 12 Nov 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

SB-15

Tot Ion: 75 Resp: 72104

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

