

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112918\
 Data File : VU028383.D
 Acq On : 29 Nov 2018 11:08
 Operator : MD/SY
 Sample : J6081-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 30 07:00:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	252310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	481139	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	438238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	193153	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	219200	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
35) Dibromofluoromethane	4.88	113	160300	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	7.57	98	628091	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	10.31	95	220831	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	

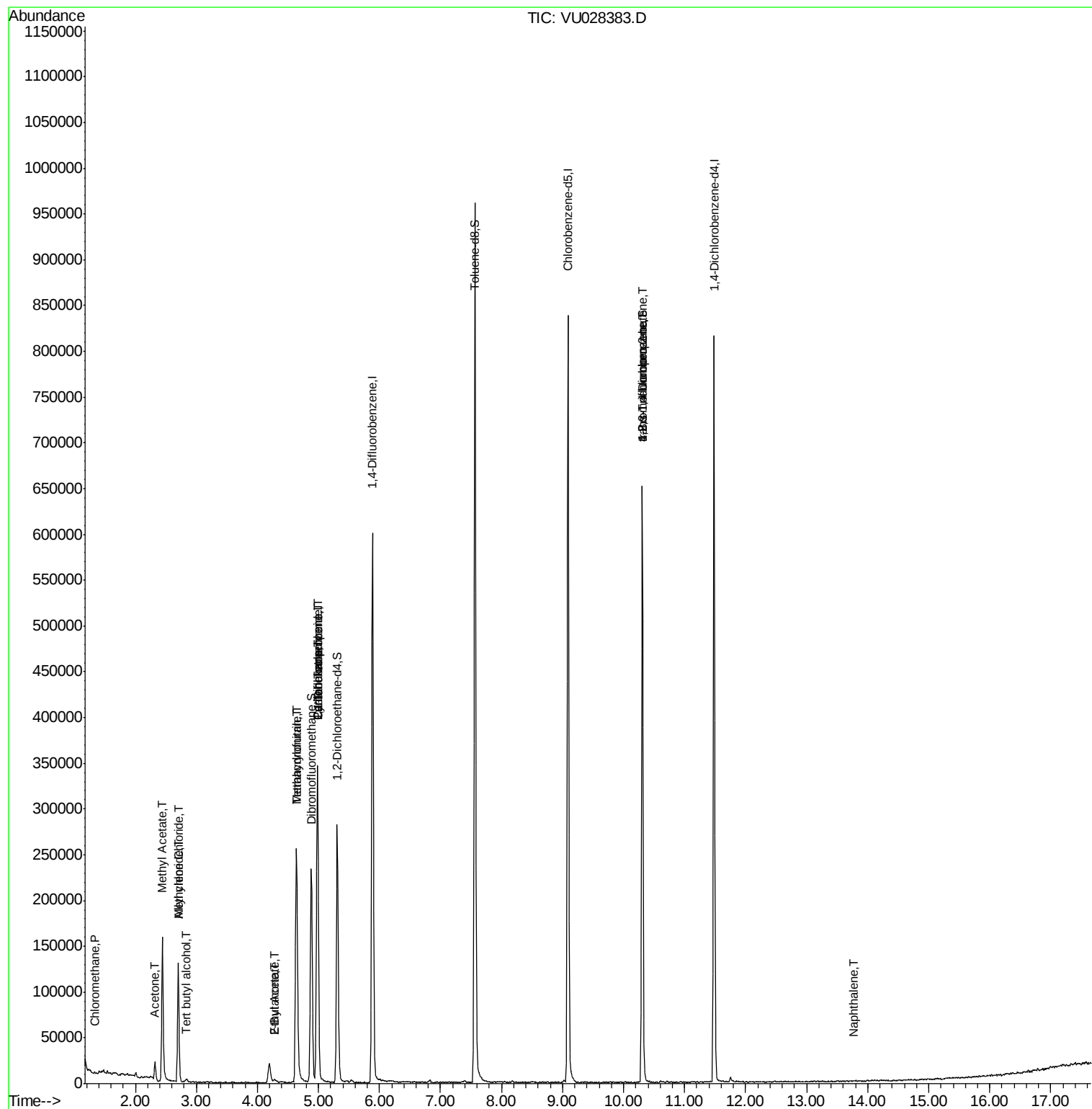
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1394	0.212	ug/l #	76
11) Tert butyl alcohol	2.83	59	3322	3.468	ug/l #	76
14) Allyl chloride	2.71	41	3221	0.457	ug/l #	26
16) Acetone	2.32	43	21068	8.168	ug/l	98
18) Methyl Acetate	2.44	43	35750	4.978	ug/l #	58
20) Methylene Chloride	2.70	84	51695	14.156	ug/l	95
25) 2-Butanone	4.28	43	3079	0.833	ug/l	93
29) Tetrahydrofuran	4.64	42	213556	88.974	ug/l	99
31) Cyclohexane	4.98	56	6804	0.588	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	23377	4.440	ug/l #	50
37) Ethyl Acetate	4.28	43	3079	0.429	ug/l #	71
38) Carbon Tetrachloride	4.98	117	26841	6.208	ug/l #	15
41) Methacrylonitrile	4.64	41	115135	28.895	ug/l #	49
76) 1,2,3-Trichloropropane	10.31	75	119346	22.281	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.31	75	119346	59.146	ug/l #	100
95) Naphthalene	13.76	128	151	2.844	ug/l #	69

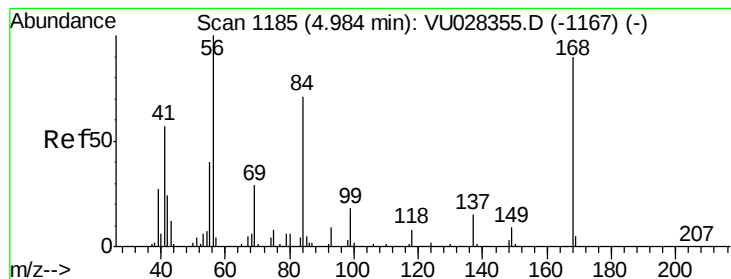
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 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: VU028383.D

Acq: 29 Nov 2018 11:08

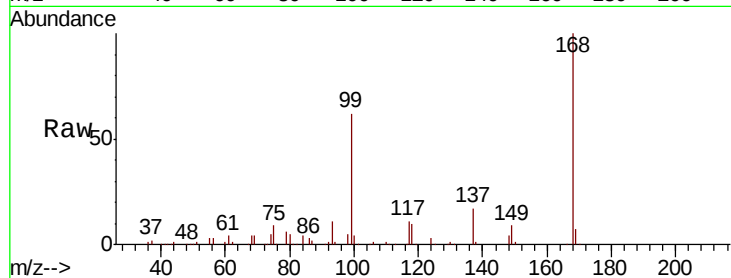
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 252310

Ion Ratio Lower Upper

168 100

99 61.7 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

120000

100000

80000

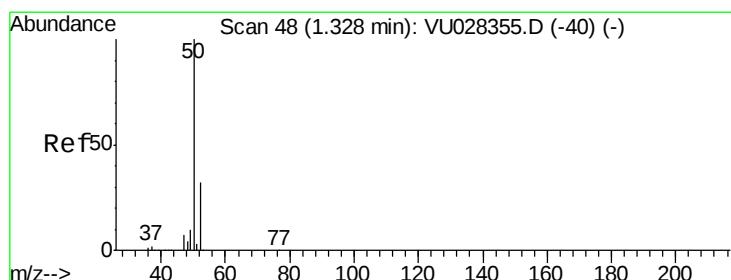
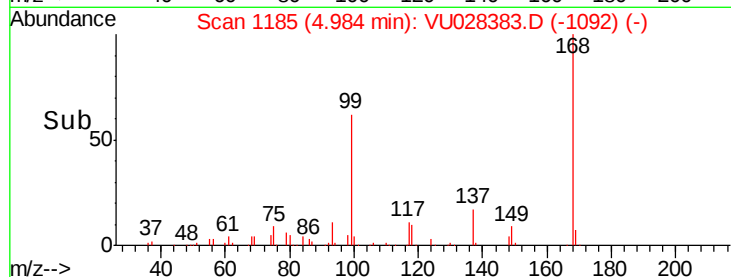
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028383.D

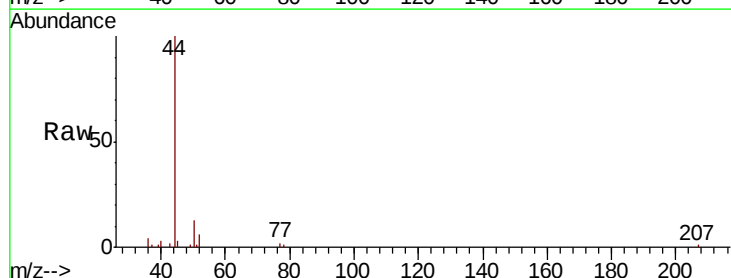
Acq: 29 Nov 2018 11:08

Tgt Ion: 50 Resp: 1394

Ion Ratio Lower Upper

50 100

52 45.1 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VU028355.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028355.D (-40) (-)

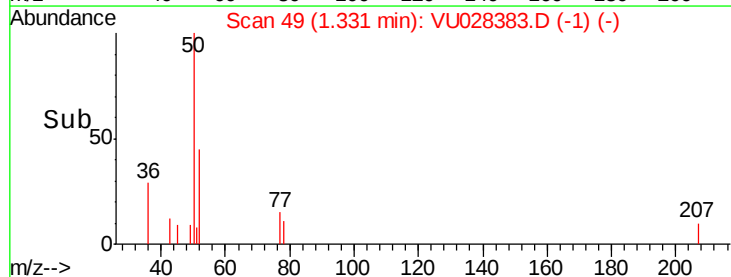
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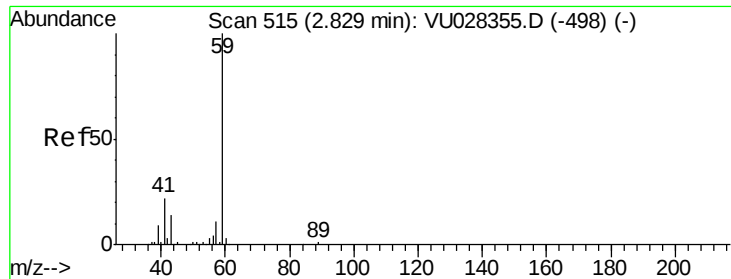
1000

500

0

Time-->



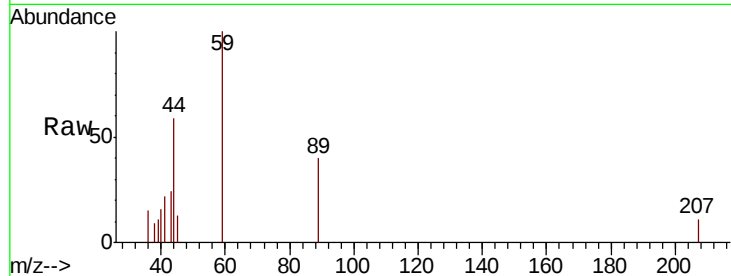


#11

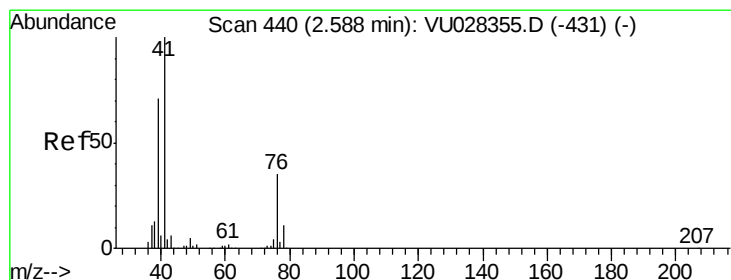
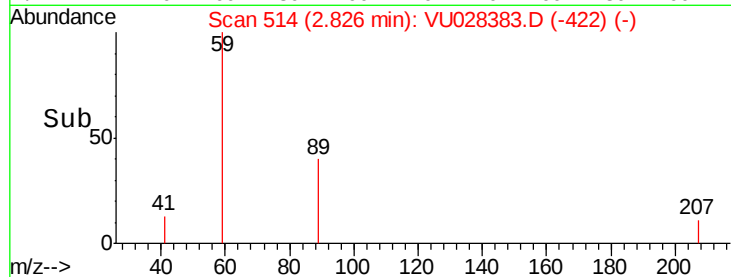
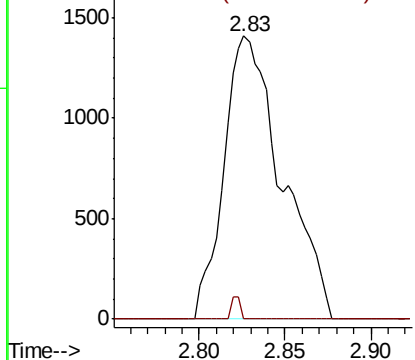
Tert butyl alcohol
 Concen: 3.468 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU028383.D
 Acq: 29 Nov 2018 11:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 59 Resp: 3322
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.3 12.5#



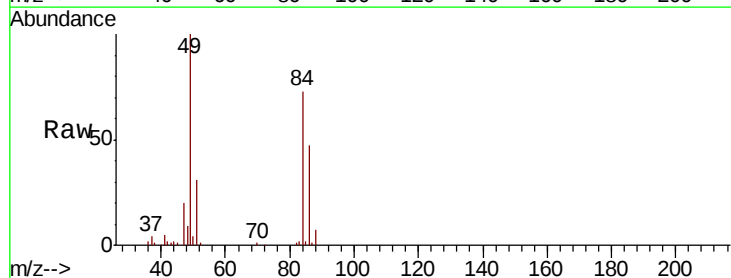
Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



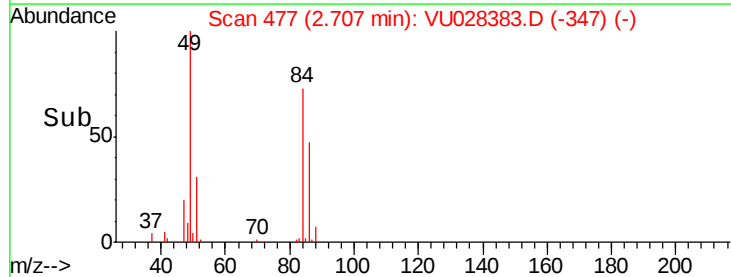
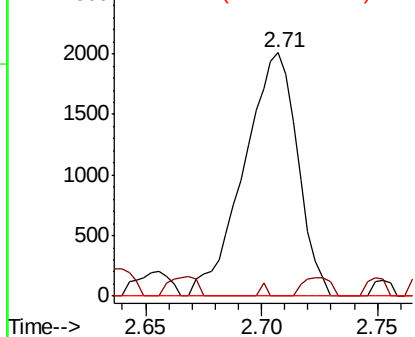
#14

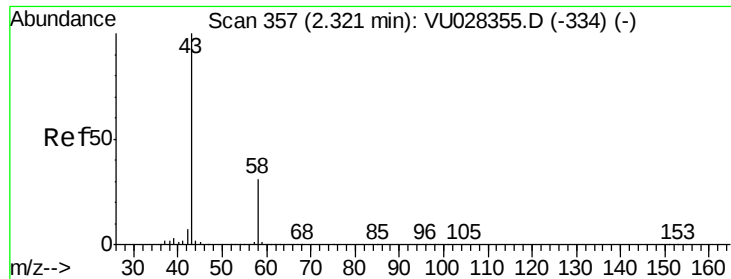
Allyl chloride
 Concen: 0.457 ug/l
 RT: 2.71 min Scan# 477
 Delta R.T. 0.12 min
 Lab File: VU028383.D
 Acq: 29 Nov 2018 11:08

Tgt Ion: 41 Resp: 3221
 Ion Ratio Lower Upper
 41 100
 39 0.0 51.6 77.4#
 76 0.0 24.4 36.6#



Abundance Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0
 Ion 75.90 (75.60 to 76.60): VU0





#16

Acetone

Concen: 8.168 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028383.D

Acq: 29 Nov 2018 11:08

Instrument :

MSVOA_U

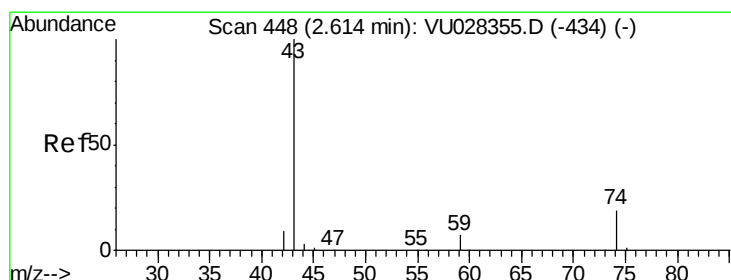
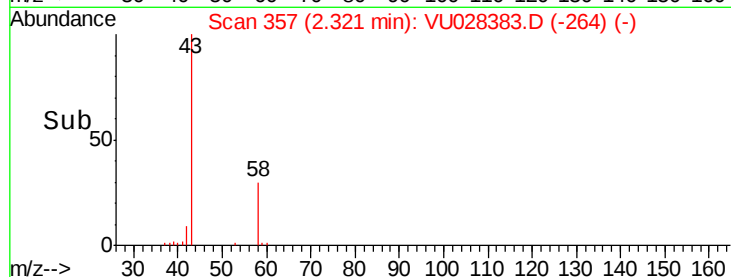
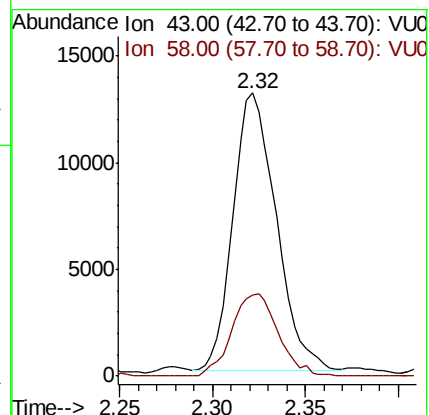
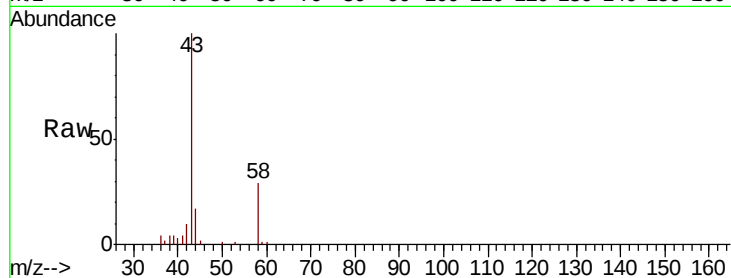
ClientSampled :

Tot Ion: 43 Resp: 21068

Ion Ratio Lower Upper

43 100

58 29.2 24.4 36.6



#18

Methyl Acetate

Concen: 4.978 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU028383.D

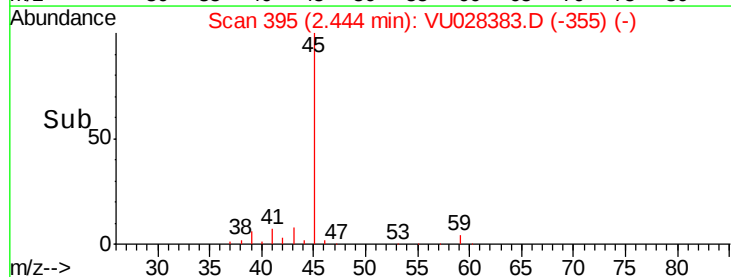
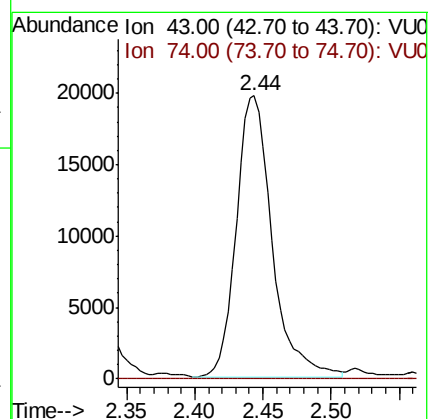
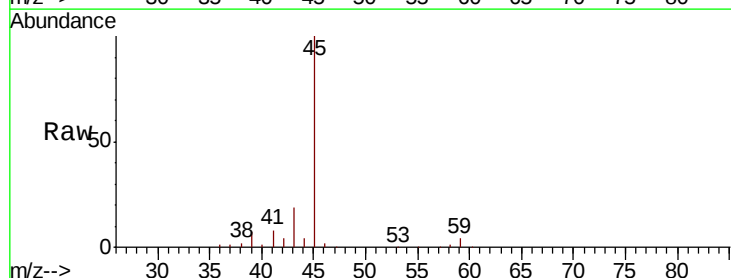
Acq: 29 Nov 2018 11:08

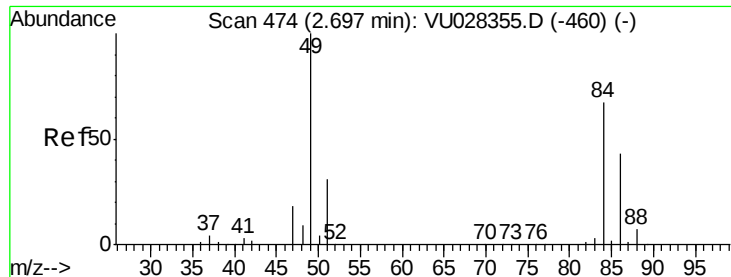
Tgt Ion: 43 Resp: 35750

Ion Ratio Lower Upper

43 100

74 0.0 15.3 22.9#

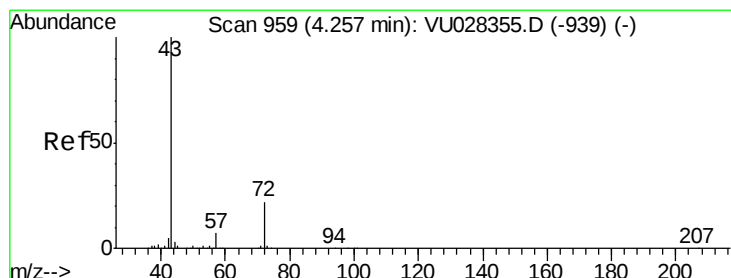
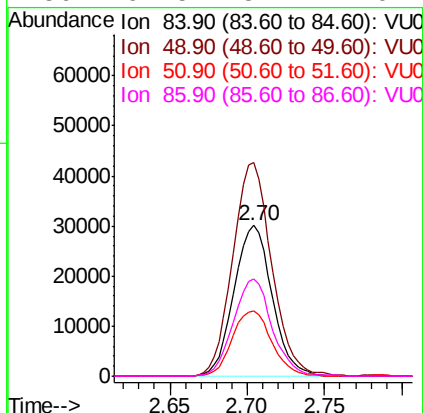
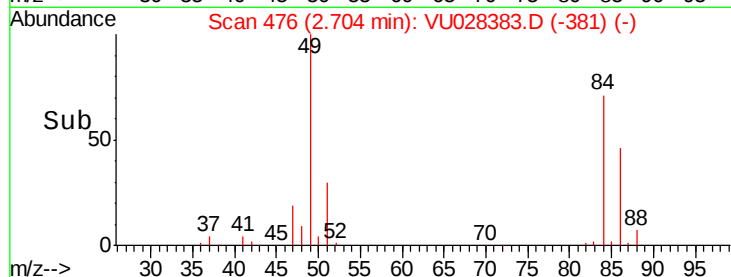
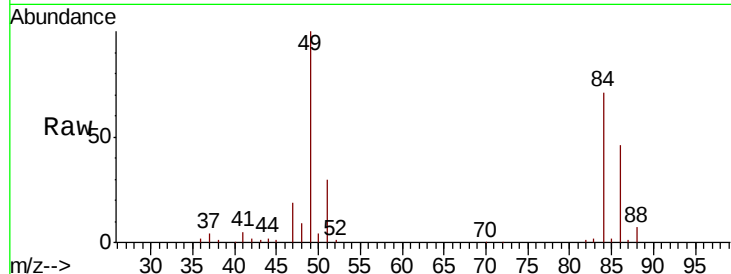




#20
Methvlene Chloride
Concen: 14.156 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028383.D
Acq: 29 Nov 2018 11:08

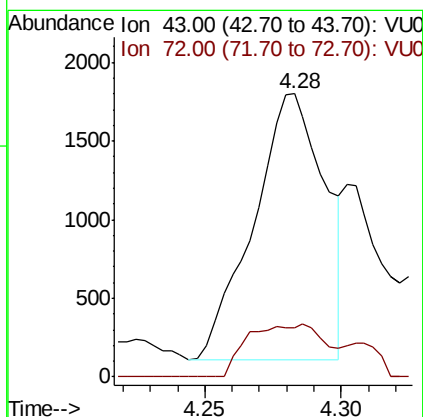
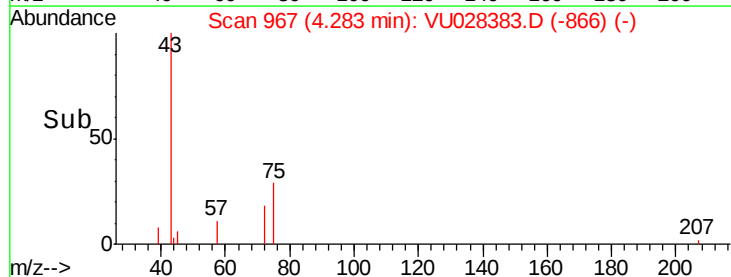
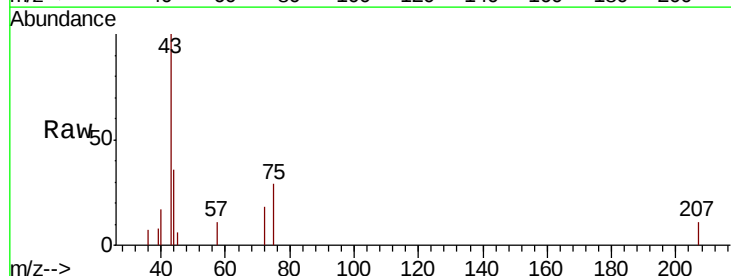
Instrument :
MSVOA_U
ClientSampled :

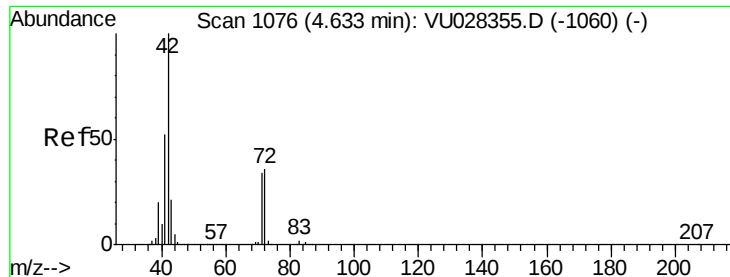
Tot Ion: 84 Resp: 51695
Ion Ratio Lower Upper
84 100
49 141.7 120.0 180.0
51 43.0 36.9 55.3
86 64.5 51.1 76.7



#25
2-Butanone
Concen: 0.833 ug/l
RT: 4.28 min Scan# 967
Delta R.T. 0.03 min
Lab File: VU028383.D
Acq: 29 Nov 2018 11:08

Tgt Ion: 43 Resp: 3079
Ion Ratio Lower Upper
43 100
72 18.7 17.7 26.5

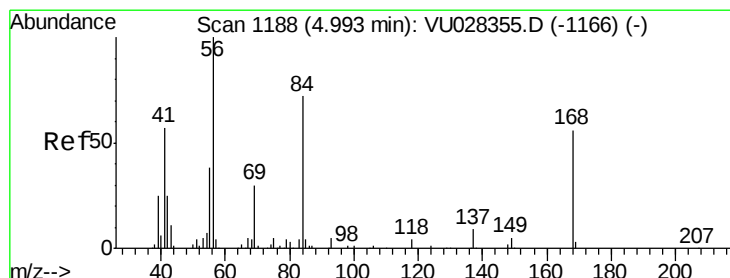
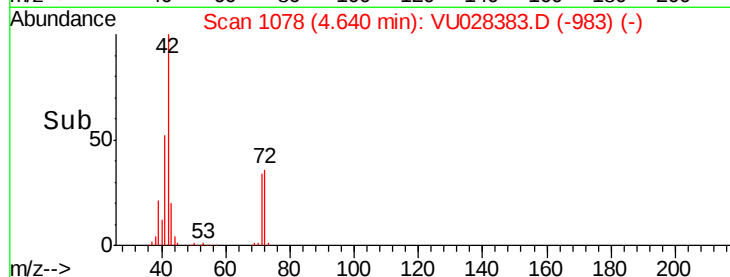
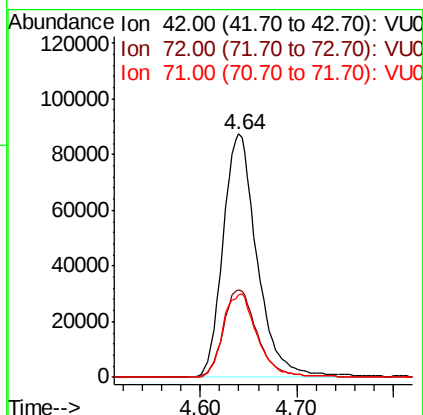
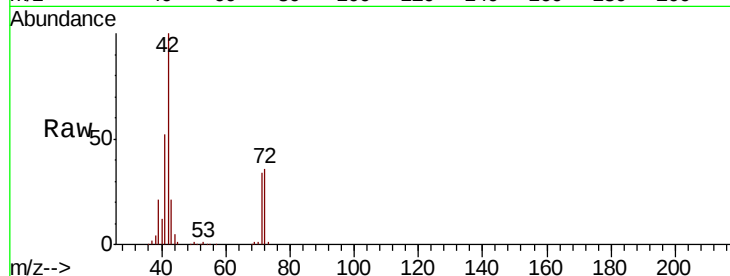




#29
Tetrahydrofuran
Concen: 88.974 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU028383.D
Acq: 29 Nov 2018 11:08

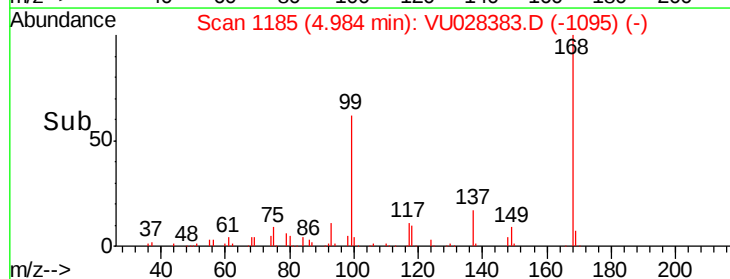
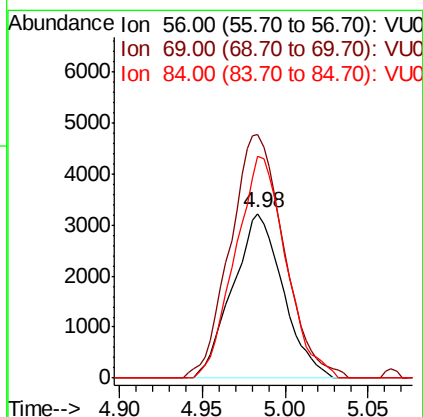
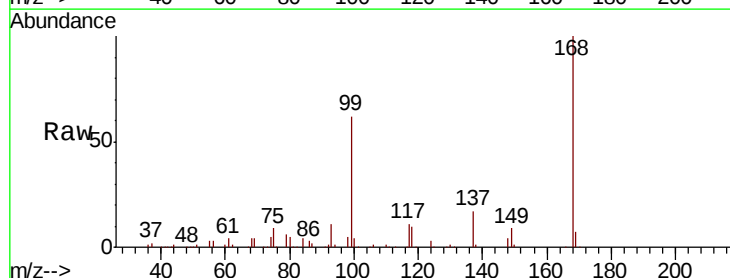
Instrument :
MSVOA_U
ClientSampled :

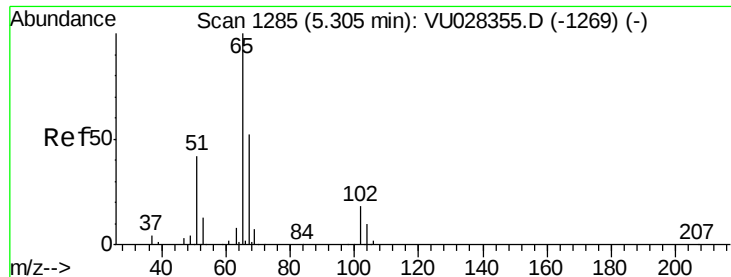
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	29.5	44.3
71	34.7	27.7	41.5



#31
Cyclohexane
Concen: 0.588 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028383.D
Acq: 29 Nov 2018 11:08

Tgt Ion	Ratio	Lower	Upper
56	100		
69	144.5	23.7	35.5#
84	134.7	57.3	85.9#





#33

1,2-Dichloroethane-d4

Concen: 51.983 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028383.D

Acq: 29 Nov 2018 11:08

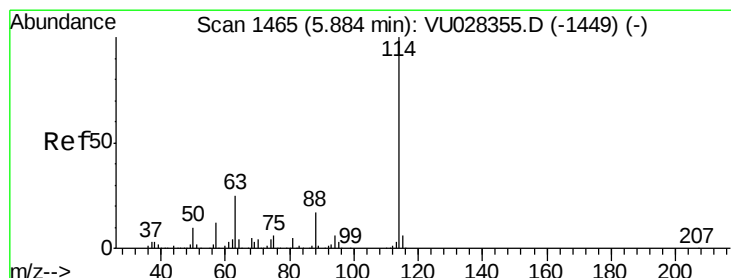
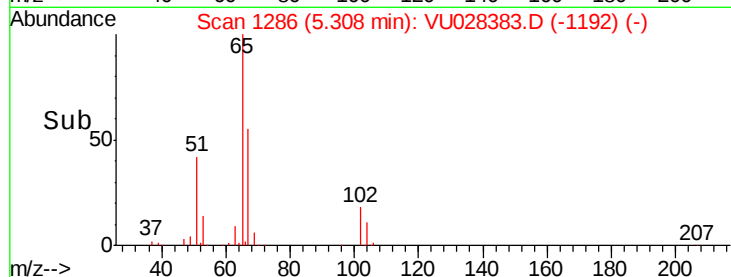
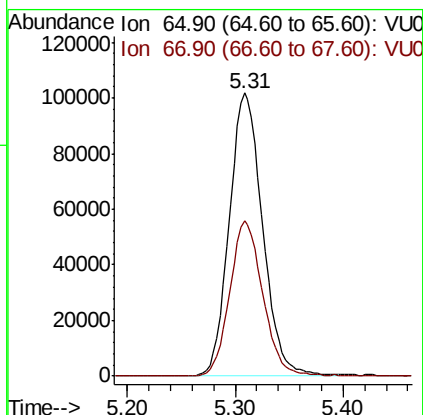
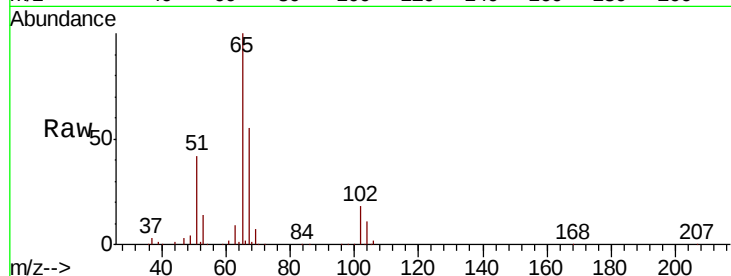
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 65 Resp: 219200

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028383.D

Acq: 29 Nov 2018 11:08

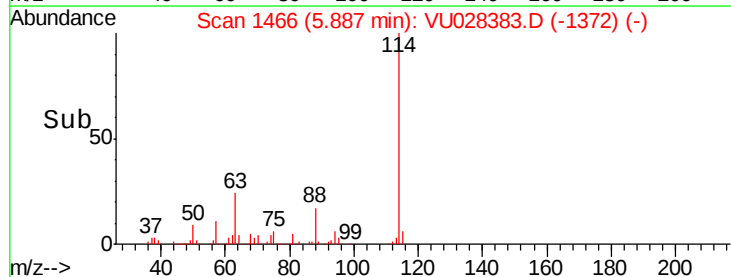
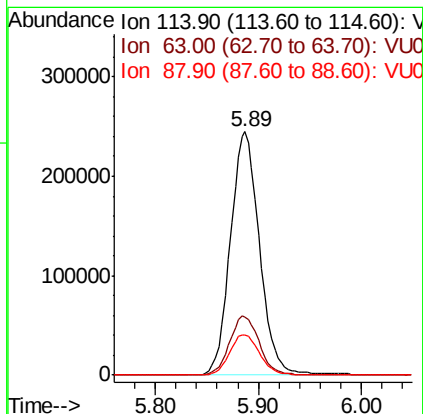
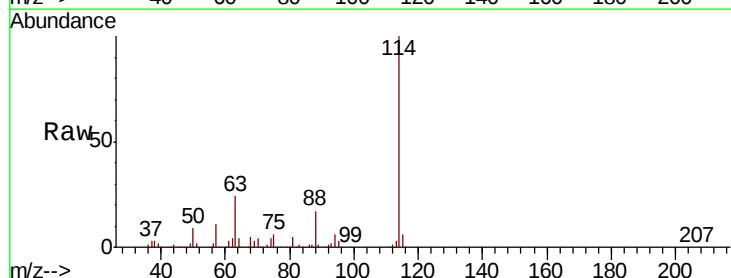
Tgt Ion: 114 Resp: 481139

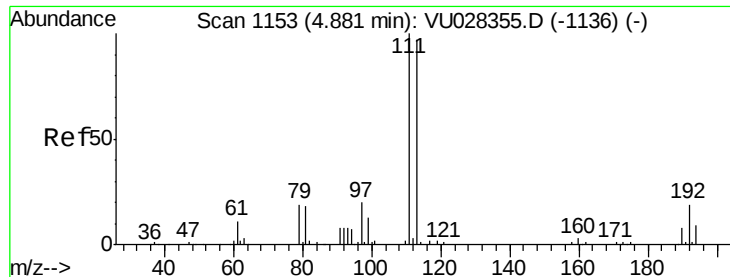
Ion Ratio Lower Upper

114 100

63 24.0 0.0 50.0

88 16.5 0.0 34.4

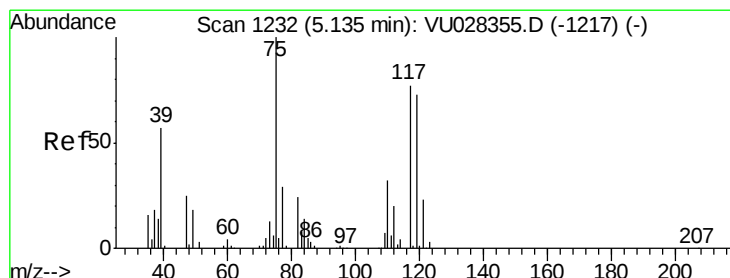
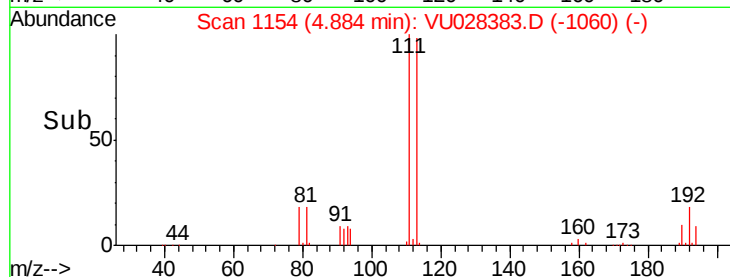
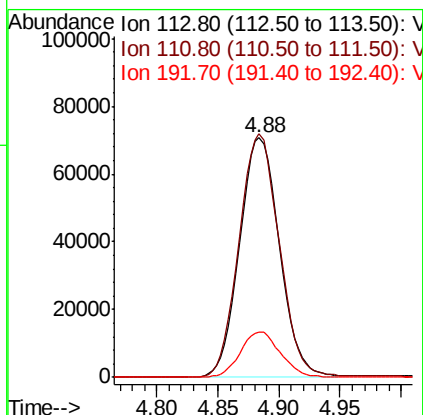
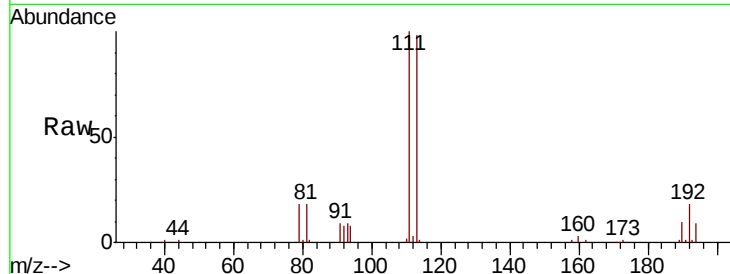




#35
 Dibromofluoromethane
 Concen: 50.103 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028383.D
 Acq: 29 Nov 2018 11:08

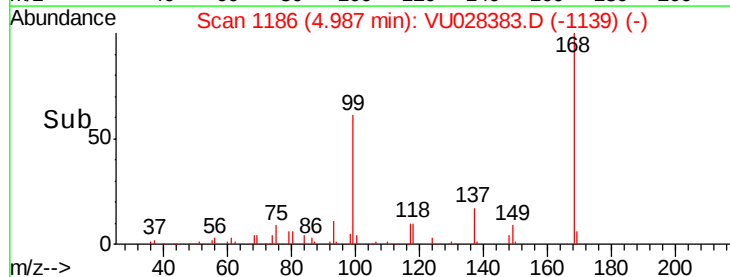
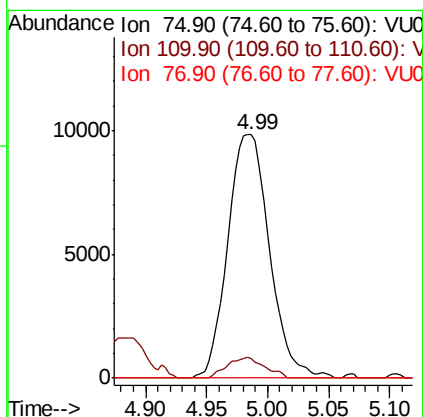
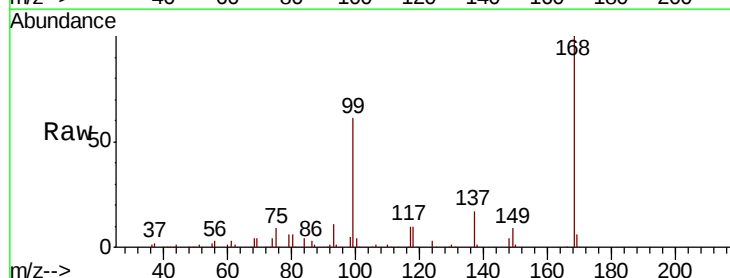
Instrument :
 MSVOA_U
 ClientSampleId :

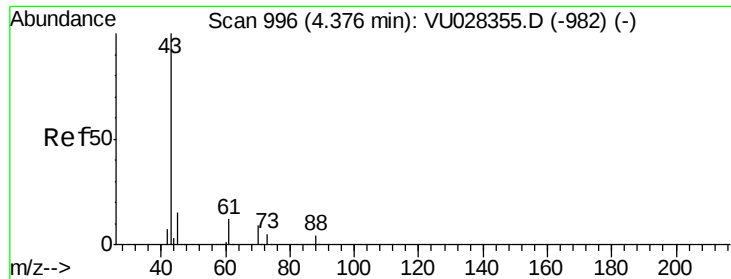
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	19.1	15.4	23.0



#36
 1,1-Dichloropropene
 Concen: 4.440 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028383.D
 Acq: 29 Nov 2018 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.8	47.4#
77	0.0	24.6	36.8#

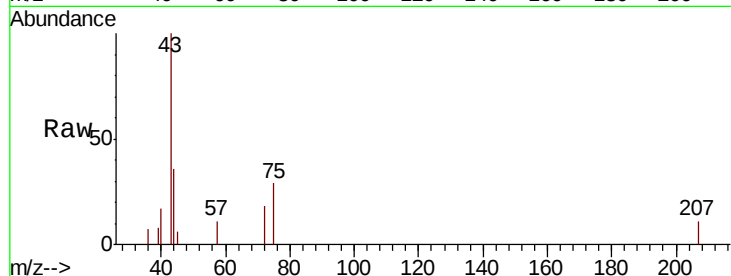




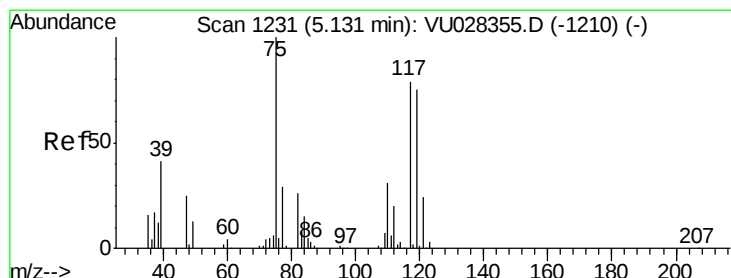
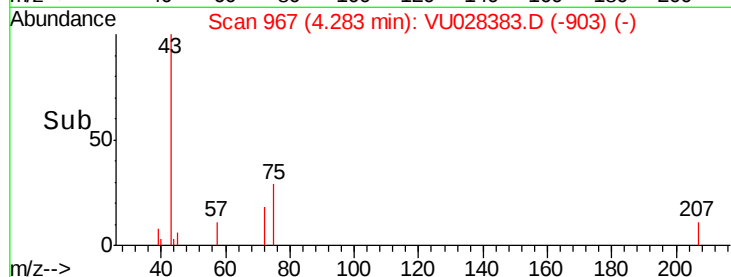
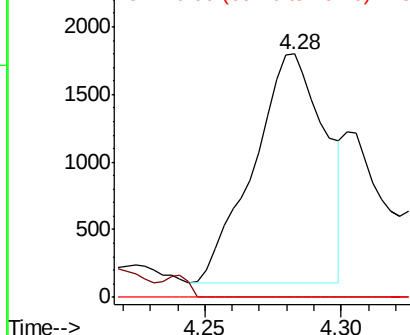
#37
Ethyl Acetate
Concen: 0.429 ug/l
RT: 4.28 min Scan# 967
Delta R.T. -0.09 min
Lab File: VU028383.D
Acq: 29 Nov 2018 11:08

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3079
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 6.9 10.3#

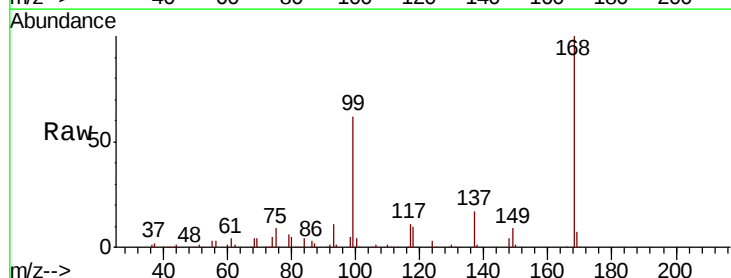


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

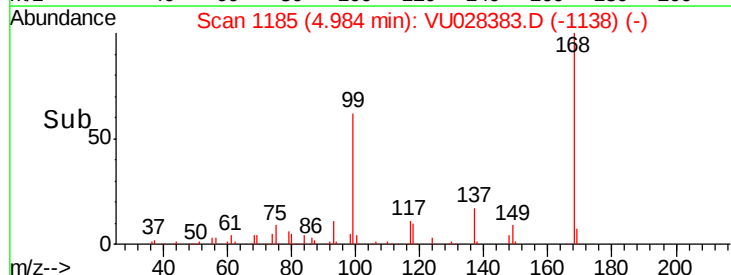
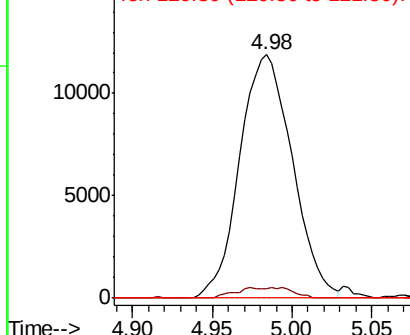


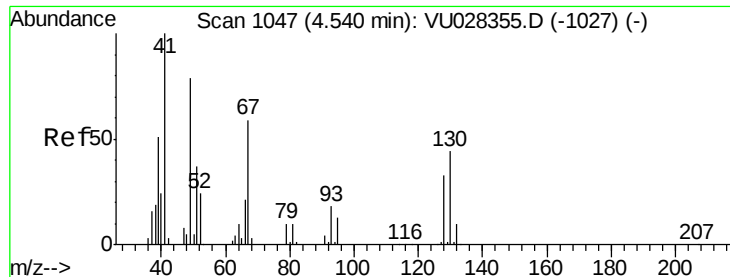
#38
Carbon Tetrachloride
Concen: 6.208 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028383.D
Acq: 29 Nov 2018 11:08

Tgt Ion: 117 Resp: 26841
Ion Ratio Lower Upper
117 100
119 4.1 76.3 114.5#
121 0.0 24.7 37.1#



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

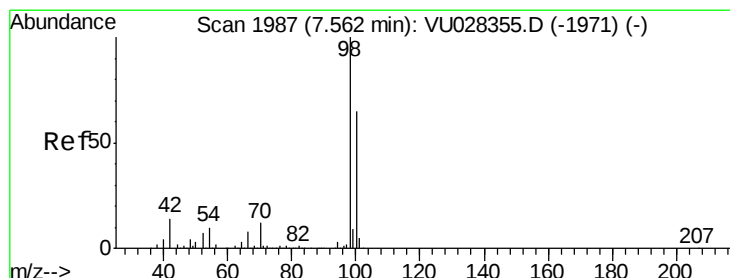
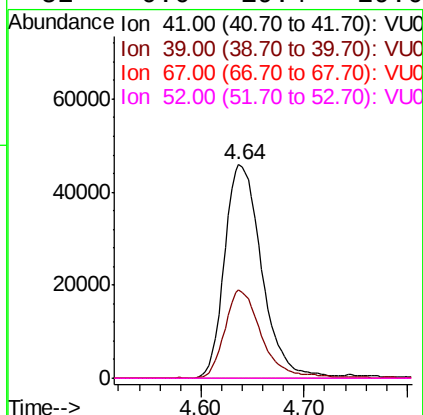
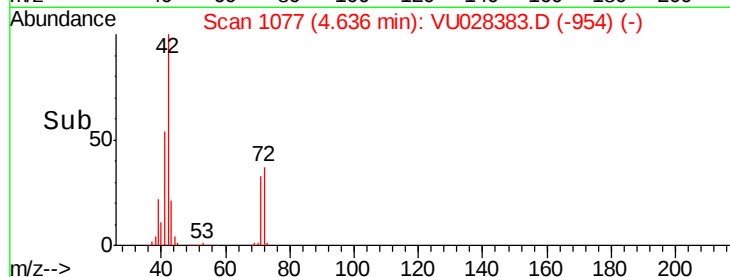
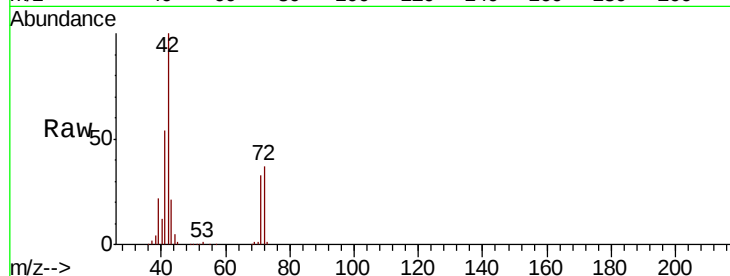




#41
Methacrylonitrile
Concen: 28.895 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.10 min
Lab File: VU028383.D
Acq: 29 Nov 2018 11:08

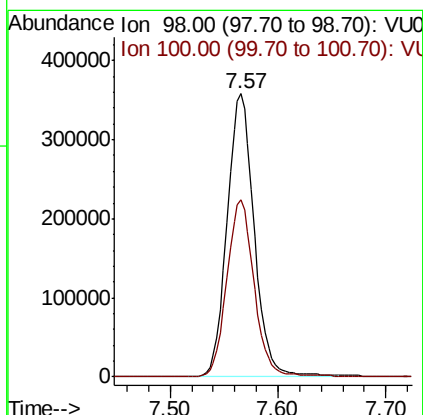
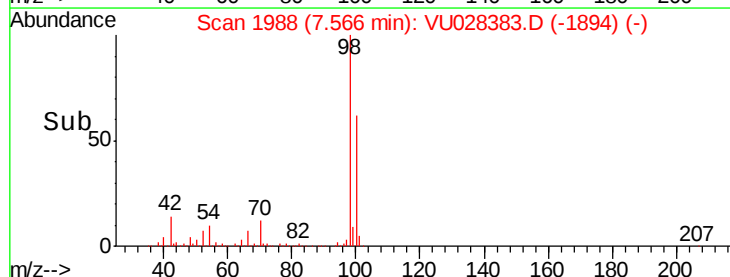
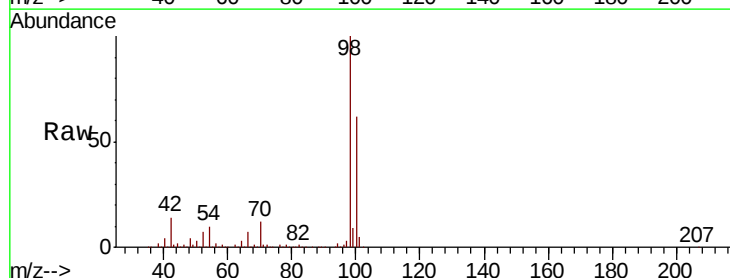
Instrument :
MSVOA_U
ClientSampleId :

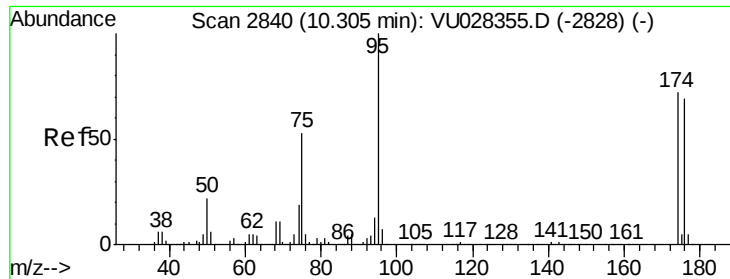
Tot Ion	Ratio	Lower	Upper
41	100		
39	39.4	41.3	61.9#
67	0.0	48.6	73.0#
52	0.0	19.4	29.0#



#50
Toluene-d8
Concen: 49.088 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028383.D
Acq: 29 Nov 2018 11:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.8	76.2

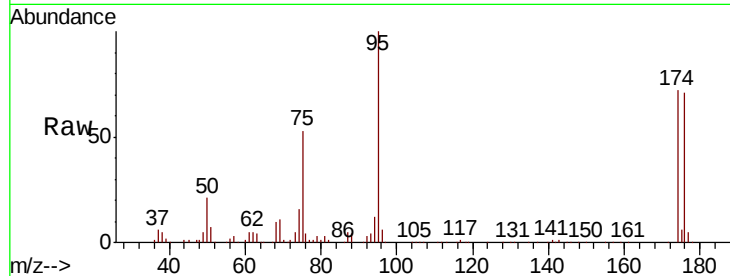




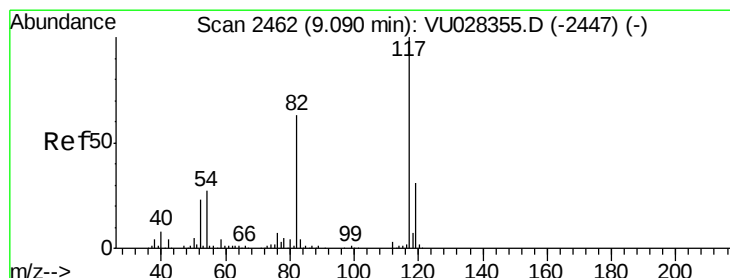
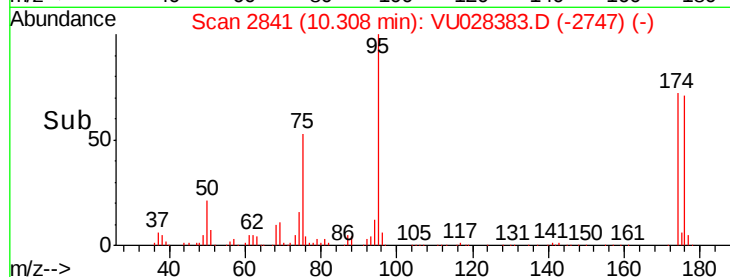
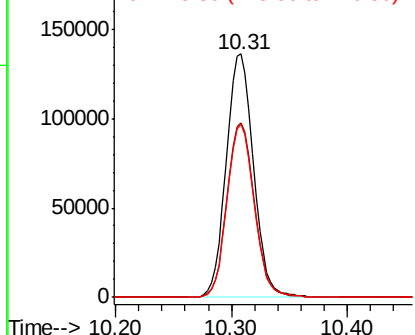
#62
4-Bromofluorobenzene
Concen: 47.884 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028383.D
Acq: 29 Nov 2018 11:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 220831
Ion Ratio Lower Upper
95 100
174 72.3 0.0 145.4
176 70.7 0.0 140.8

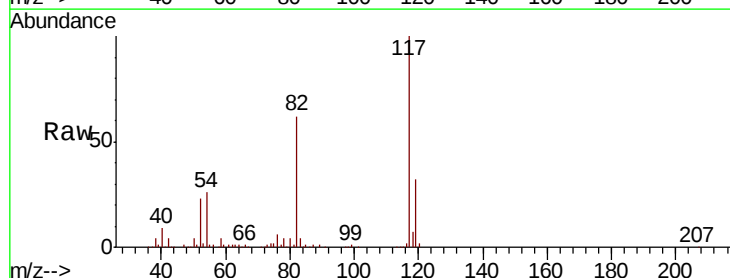


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

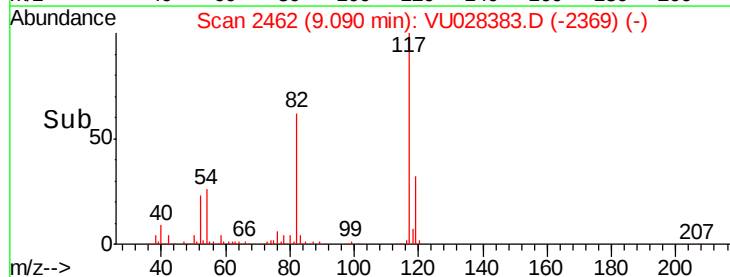
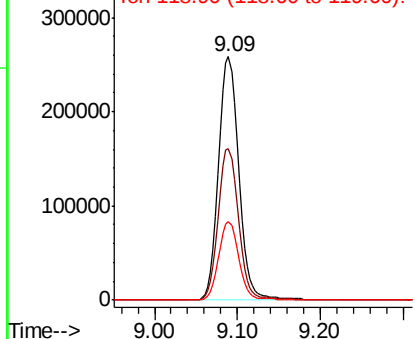


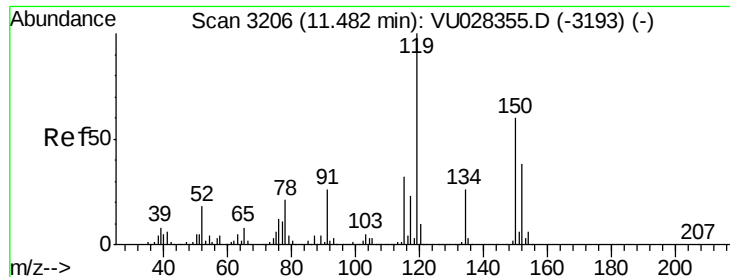
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028383.D
Acq: 29 Nov 2018 11:08

Tgt Ion: 117 Resp: 438238
Ion Ratio Lower Upper
117 100
82 62.3 50.3 75.5
119 32.0 24.8 37.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028383.D

Acq: 29 Nov 2018 11:08

Instrument :

MSVOA_U

ClientSampleId :

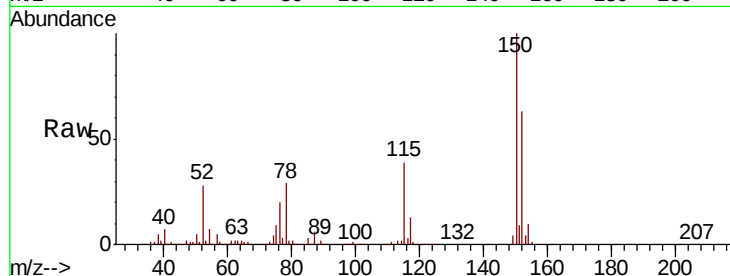
Tot Ion:152 Resp: 193153

Ion Ratio Lower Upper

152 100

115 61.7 45.0 134.8

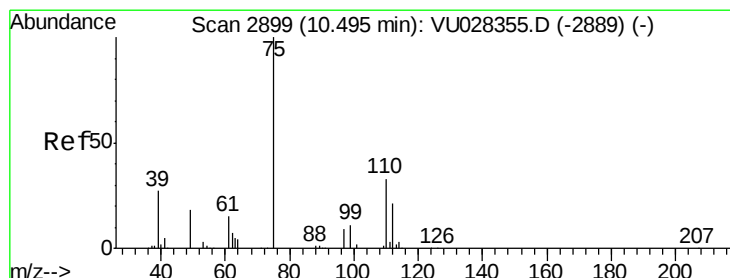
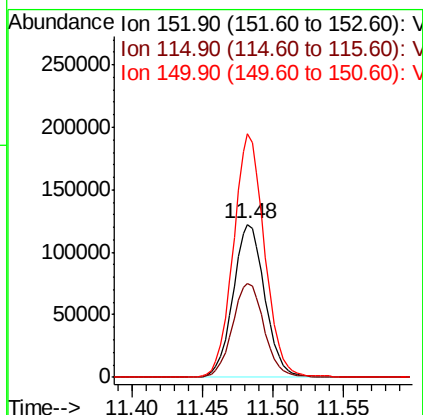
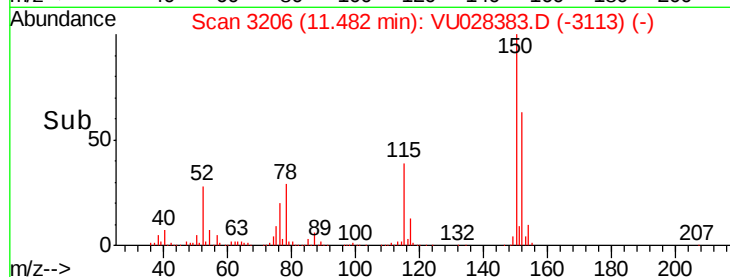
150 156.1 0.0 349.2



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: 22.281 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028383.D

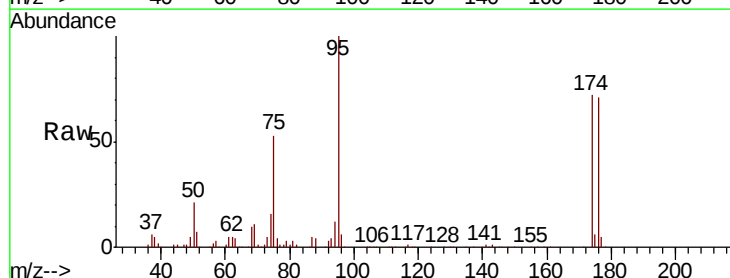
Acq: 29 Nov 2018 11:08

Tgt Ion: 75 Resp: 119346

Ion Ratio Lower Upper

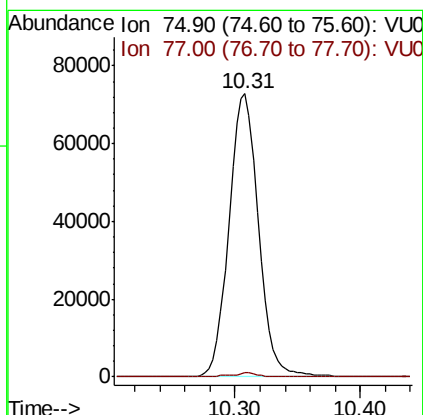
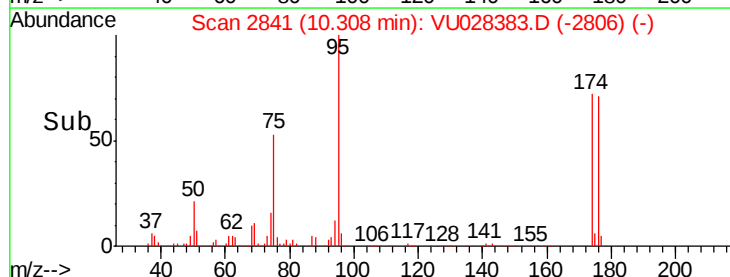
75 100

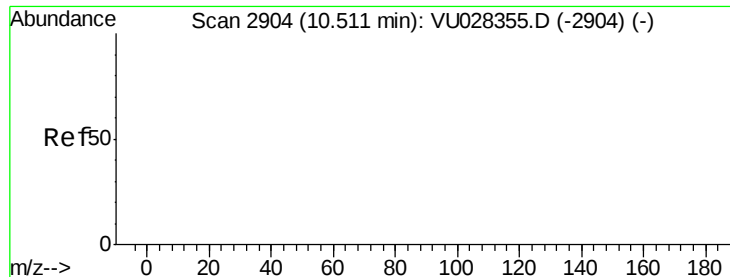
77 1.2 22.4 67.0#



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: 59.146 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028383.D

Acq: 29 Nov 2018 11:08

Instrument :

MSVOA_U

ClientSampled :

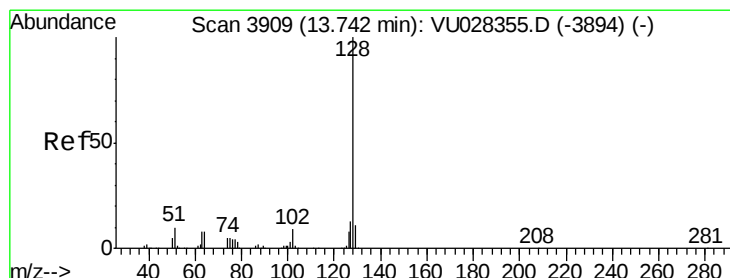
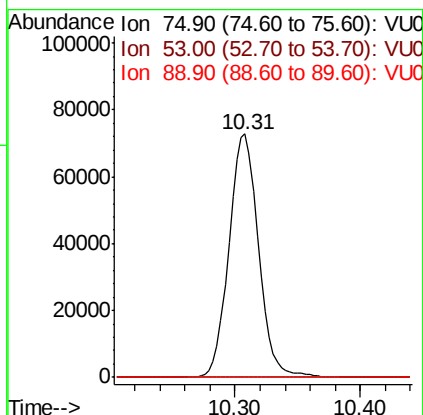
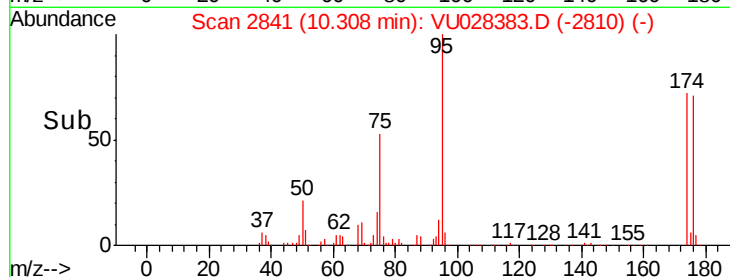
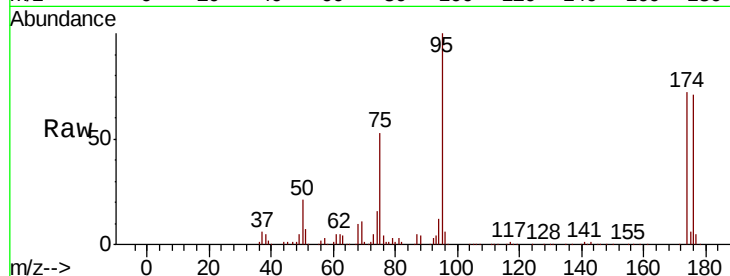
Tot Ion: 75 Resp: 119346

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#95

Naphthalene

Concen: 2.844 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU028383.D

Acq: 29 Nov 2018 11:08

Tgt Ion: 128 Resp: 151

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

