

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028397.D
 Acq On : 29 Nov 2018 16:33
 Operator : MD/SY
 Sample : J6085-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 30 07:04:30 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	249080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	467946	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	444699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	211906	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	220035	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
35) Dibromofluoromethane	4.88	113	156917	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	7.57	98	621907	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	10.30	95	229257	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	1099	1.162	ug/l #	72
13) Acrolein	2.18	56	307	0.365	ug/l #	1
14) Allyl chloride	2.70	41	287841	41.403	ug/l #	27
16) Acetone	2.32	43	22768	8.941	ug/l	98
18) Methyl Acetate	2.63	43	2138	0.302	ug/l #	77
20) Methylene Chloride	2.70	84	5752076	1603.805	ug/l	100
25) 2-Butanone	4.28	43	3609	0.989	ug/l #	80
28) Bromochloromethane	4.56	49	6392	1.894	ug/l #	96
29) Tetrahydrofuran	4.67	42	1468	0.620	ug/l #	44
30) Chloroform	4.68	83	1451	0.233	ug/l	90
31) Cyclohexane	4.99	56	7045	0.636	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	22262	4.347	ug/l #	50
38) Carbon Tetrachloride	4.98	117	25322	6.022	ug/l #	16
41) Methacrylonitrile	4.65	41	901	0.232	ug/l #	48
43) Isopropyl Acetate	5.55	43	28746	2.600	ug/l	99
48) Methyl methacrylate	6.70	41	152708	26.511	ug/l #	47
49) 1,4-Dioxane	6.71	88	41	0.446	ug/l #	1
51) 4-Methyl-2-Pentanone	7.56	43	15087	2.136	ug/l	95
52) Toluene	7.64	92	6363	0.729	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	56744	8.729	ug/l #	60
57) 1,3-Dichloropropane	8.41	76	11457	1.719	ug/l #	43
59) 2-Hexanone	8.41	43	178192	32.572	ug/l #	54
64) Tetrachloroethene	8.23	164	883	0.302	ug/l #	59
67) Ethyl Benzene	9.25	91	8950	0.515	ug/l	93
68) m/p-Xylenes	9.38	106	9956	1.590	ug/l	98
69) o-Xylene	9.78	106	3140	0.505	ug/l	94
76) 1,2,3-Trichloropropane	10.30	75	123652	21.042	ug/l #	33
80) 1,3,5-Trimethylbenzene	10.77	105	5304	0.382	ug/l	95
81) trans-1,4-Dichloro-2-buten	10.30	75	123652	55.857	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	11695	0.831	ug/l	97
93) 1,2,4-Trichlorobenzene	13.50	180	1238	0.268	ug/l	88
95) Naphthalene	13.74	128	104073	8.340	ug/l	100

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QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration

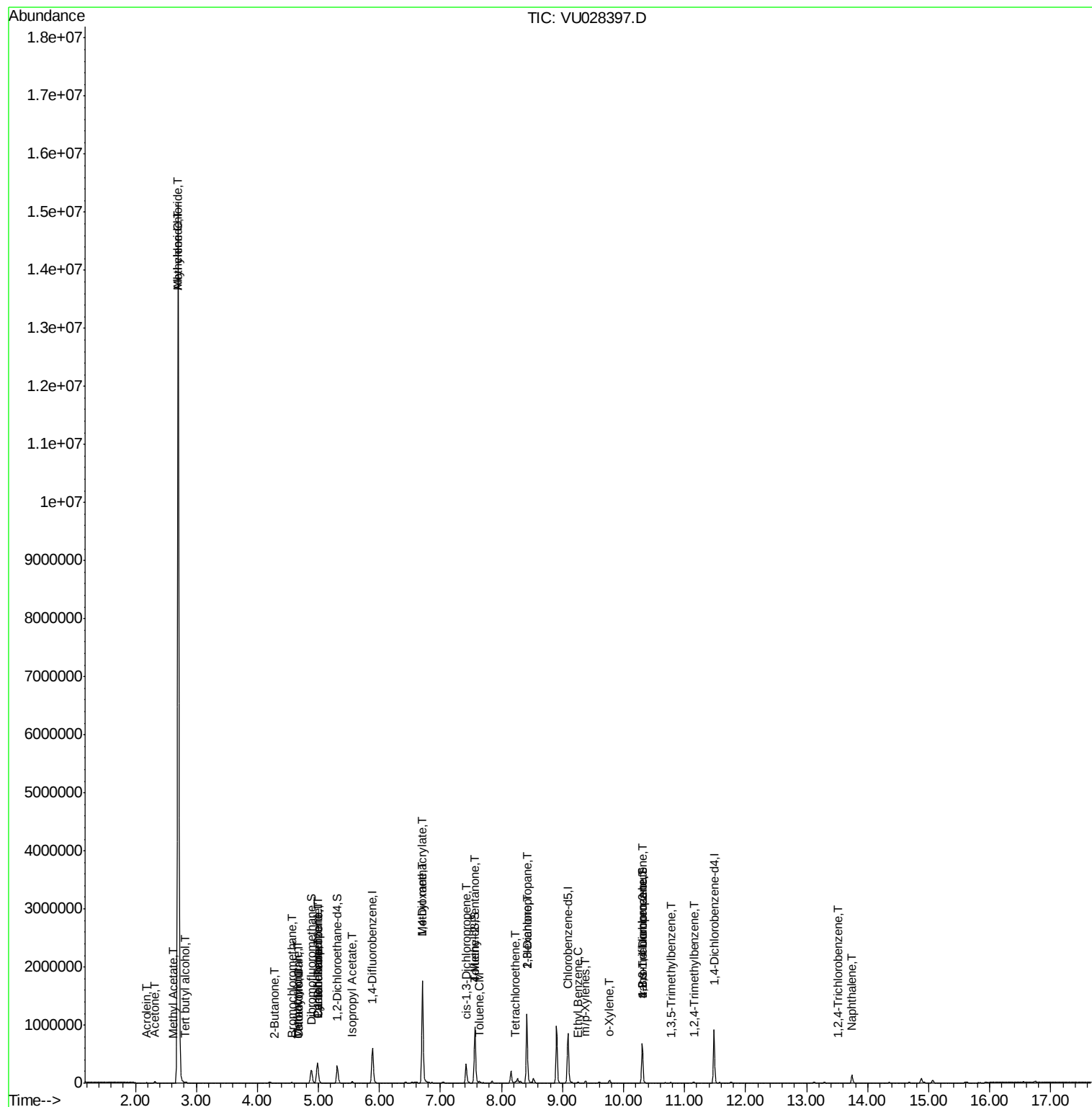
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

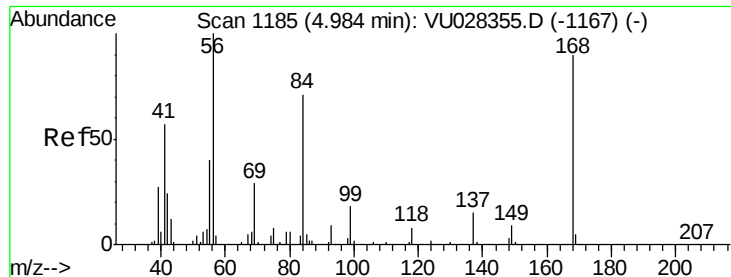
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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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: VU028397.D

Acq: 29 Nov 2018 16:33

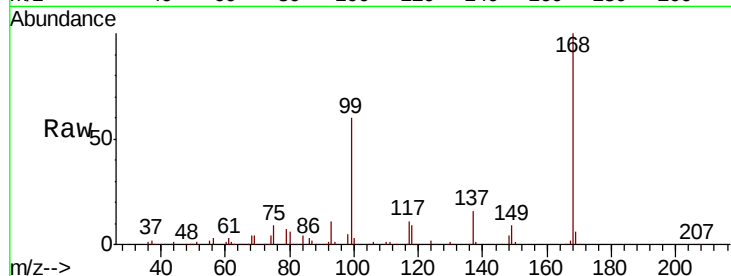
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 249080

Ion Ratio Lower Upper

168 100

99 60.2 49.6 74.4



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

Ion 98.90 (98.60 to 99.60): VU028397.D (-1092) (-)

4.98

120000

100000

80000

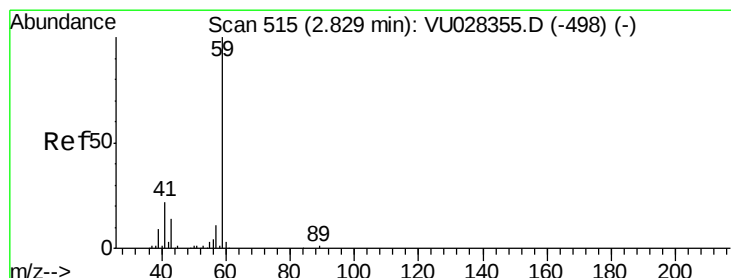
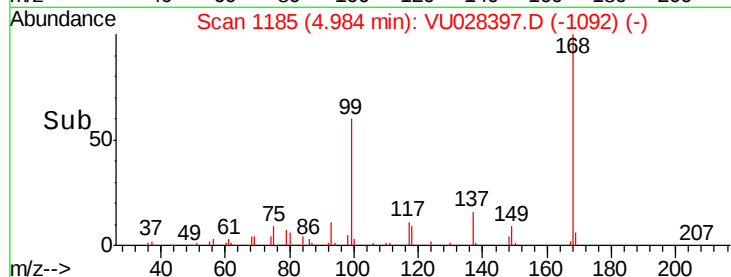
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.162 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU028397.D

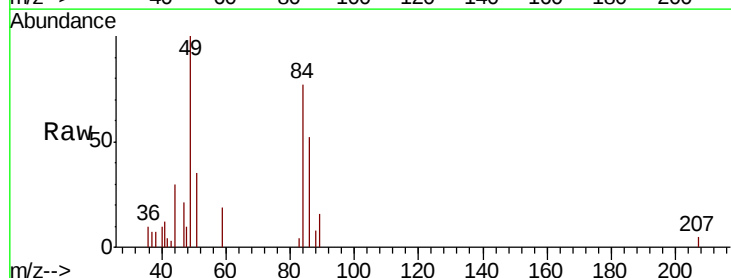
Acq: 29 Nov 2018 16:33

Tgt Ion: 59 Resp: 1099

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028397.D (-422) (-)

2.83

600

500

400

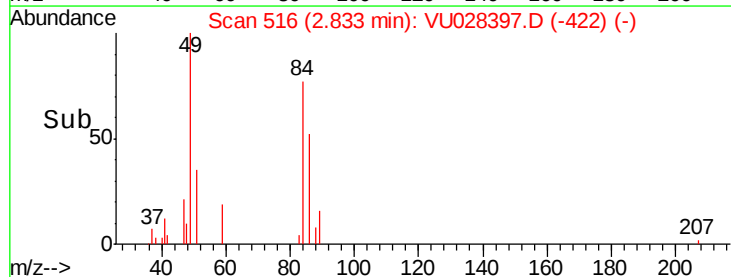
300

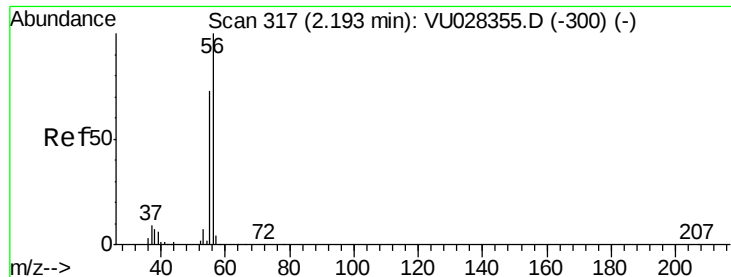
200

100

0

Time-->





#13

Acrolein

Concen: 0.365 ug/l

RT: 2.18 min Scan# 313

Delta R.T. -0.01 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

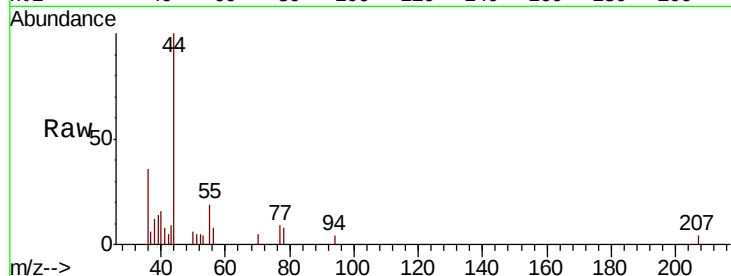
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 307

Ion Ratio Lower Upper

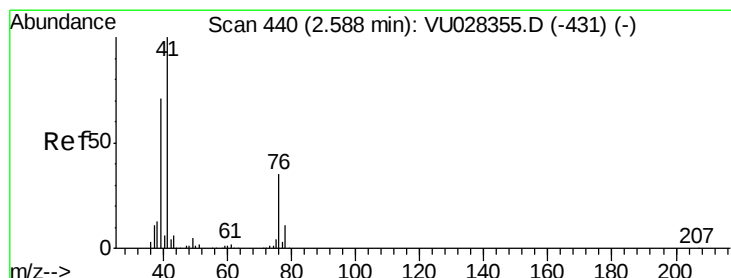
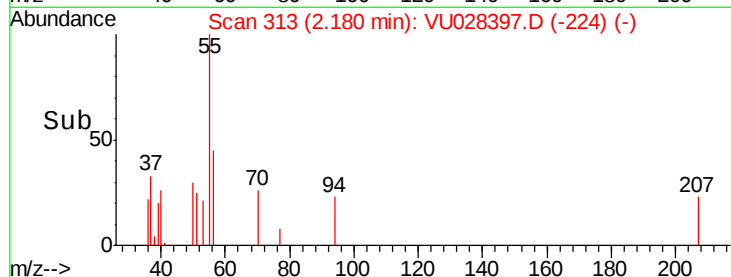
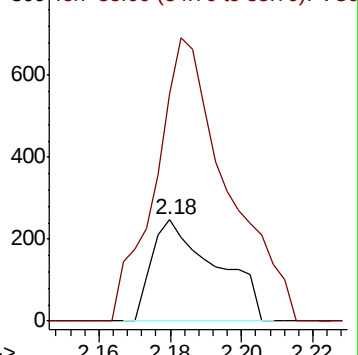
56 100

55 314.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 41.403 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.11 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

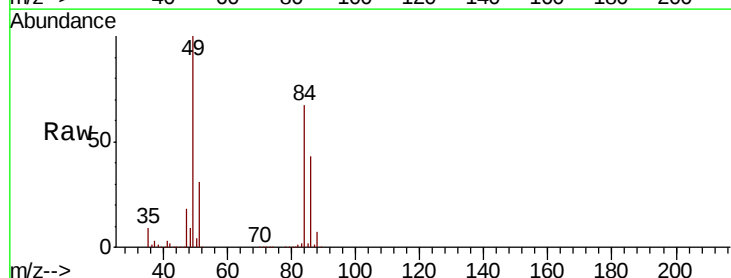
Tgt Ion: 41 Resp: 287841

Ion Ratio Lower Upper

41 100

39 0.8 51.6 77.4#

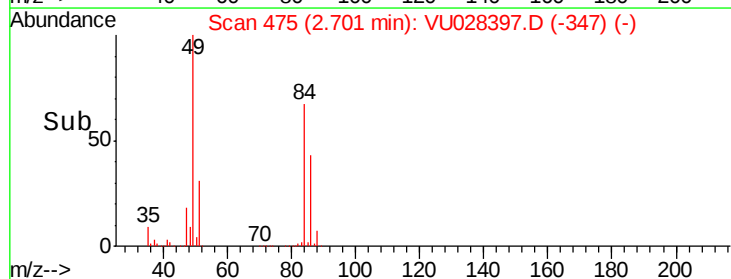
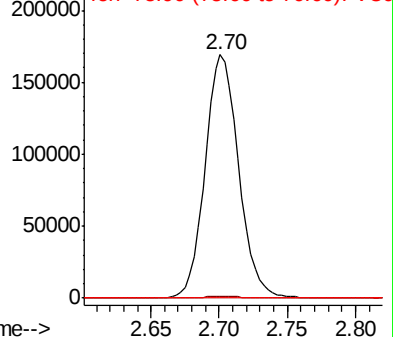
76 0.0 24.4 36.6#

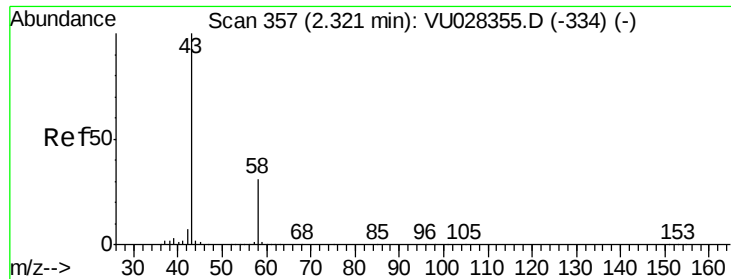


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#16

Acetone

Concen: 8.941 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Instrument :

MSVOA_U

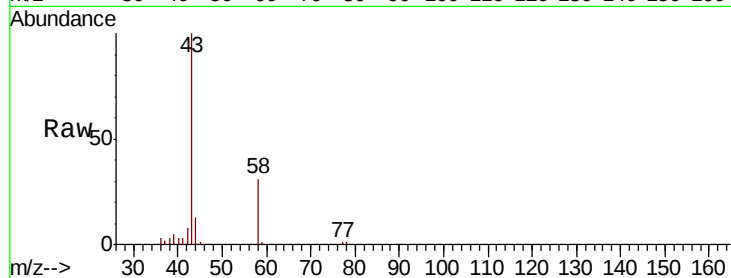
ClientSampleId :

Tot Ion: 43 Resp: 22768

Ion Ratio Lower Upper

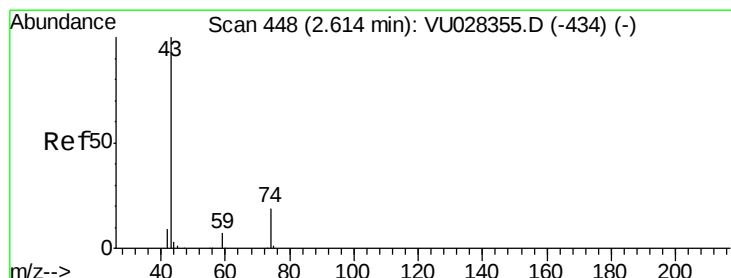
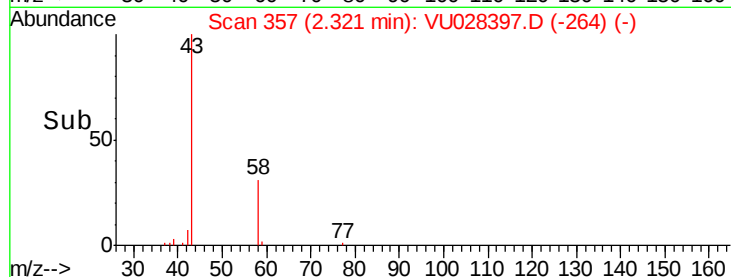
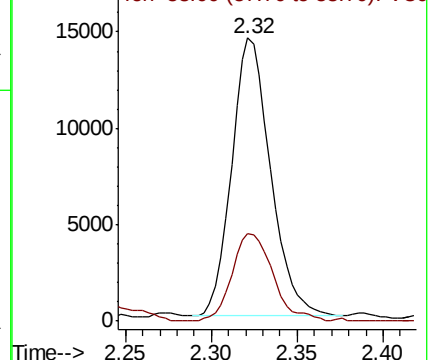
43 100

58 31.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.302 ug/l

RT: 2.63 min Scan# 453

Delta R.T. 0.02 min

Lab File: VU028397.D

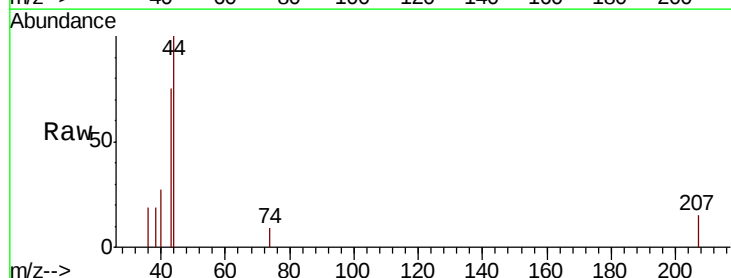
Acq: 29 Nov 2018 16:33

Tgt Ion: 43 Resp: 2138

Ion Ratio Lower Upper

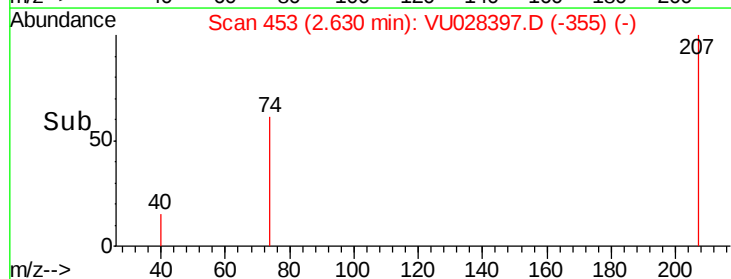
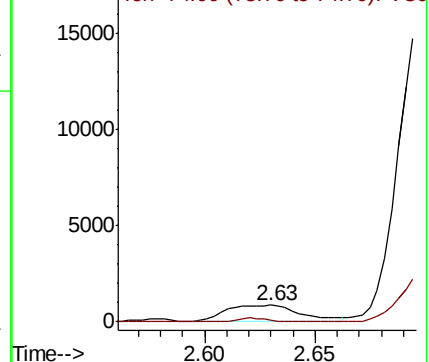
43 100

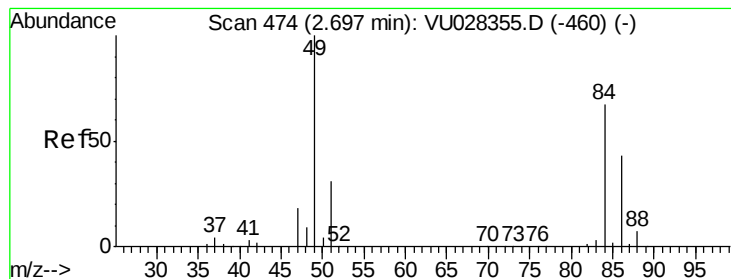
74 8.6 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#20

Methvlene Chloride

Concen: 1603.805 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 84 Resp: 5752076

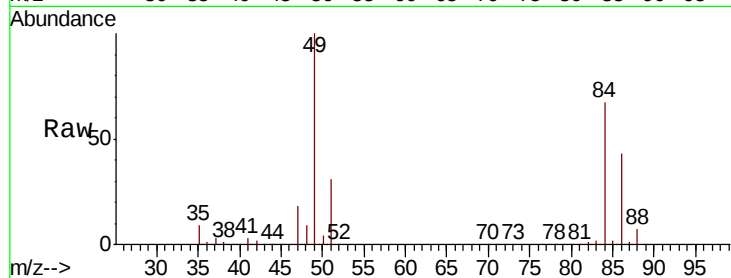
Ion Ratio Lower Upper

84 100

49 150.1 120.0 180.0

51 46.0 36.9 55.3

86 63.8 51.1 76.7

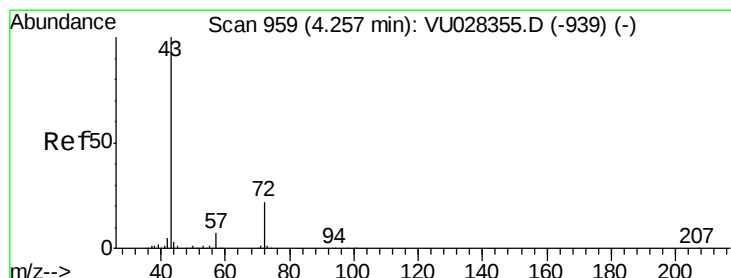
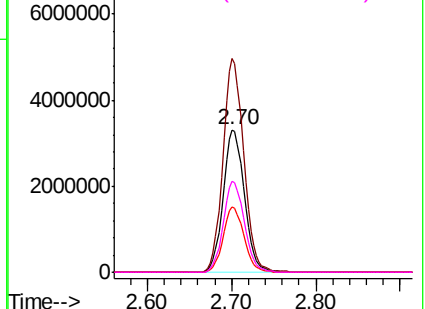
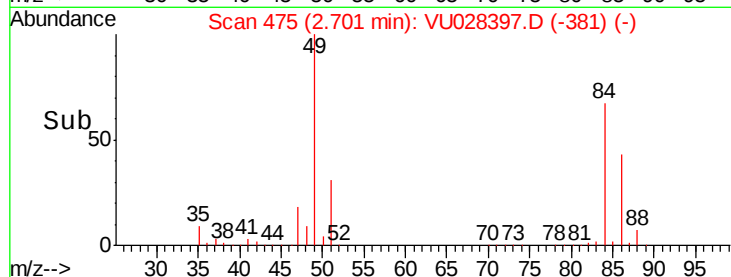


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#25

2-Butanone

Concen: 0.989 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.02 min

Lab File: VU028397.D

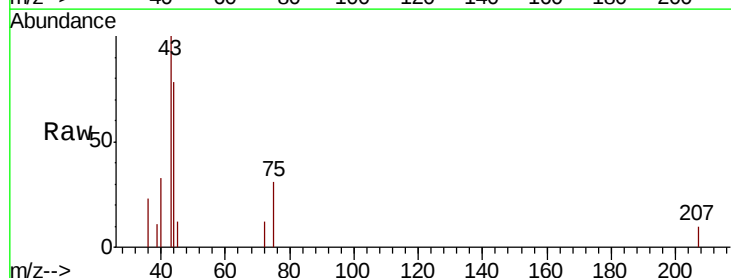
Acq: 29 Nov 2018 16:33

Tgt Ion: 43 Resp: 3609

Ion Ratio Lower Upper

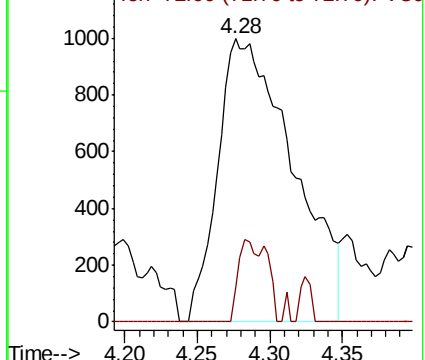
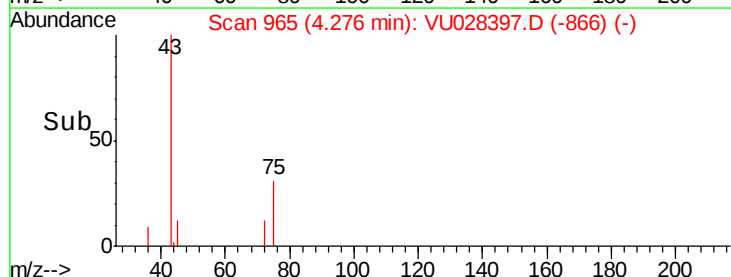
43 100

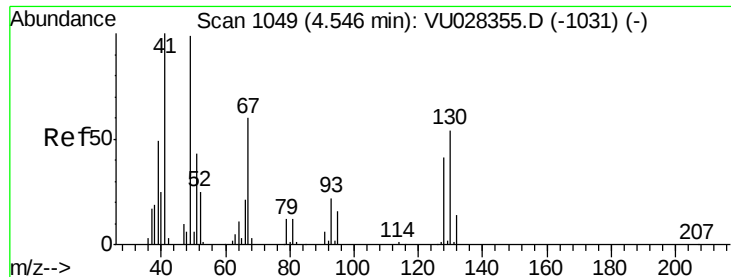
72 12.4 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#28

Bromochloromethane

Concen: 1.894 ug/l

RT: 4.56 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

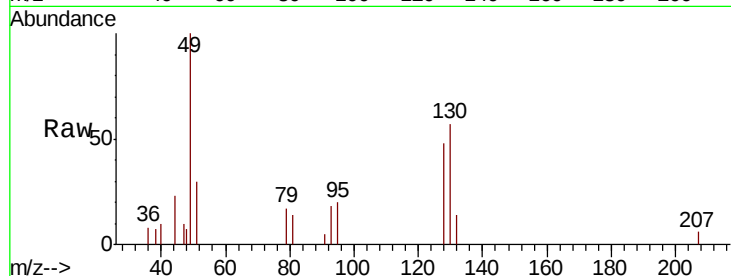
Tot Ion: 49 Resp: 6392

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.6

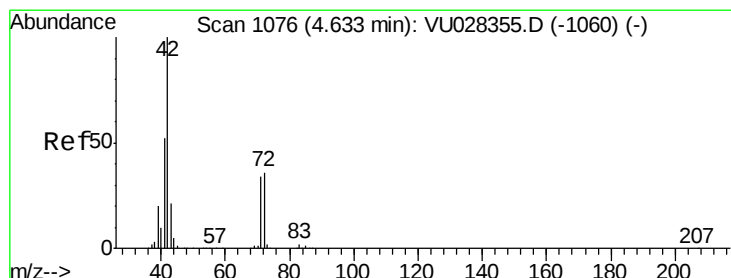
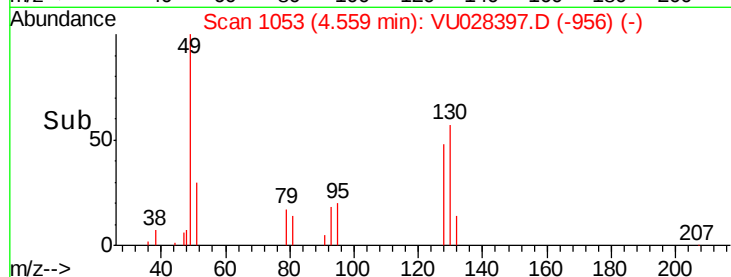
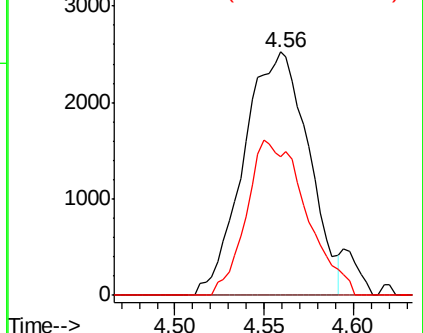
130 58.5 44.5 66.7



Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.620 ug/l

RT: 4.67 min Scan# 1086

Delta R.T. 0.03 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

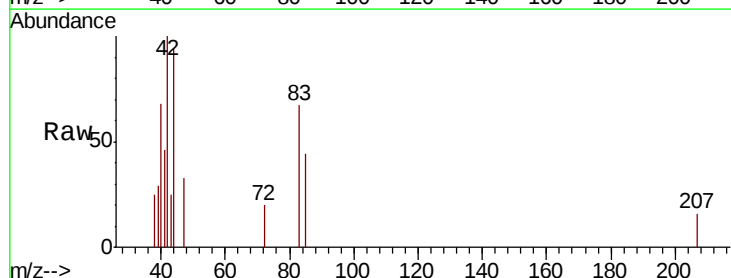
Tgt Ion: 42 Resp: 1468

Ion Ratio Lower Upper

42 100

72 0.0 29.5 44.3#

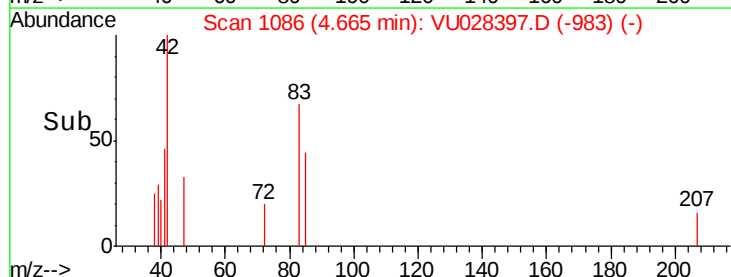
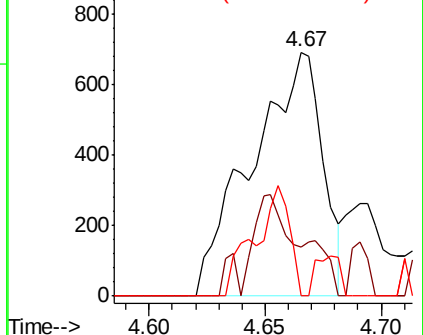
71 5.6 27.7 41.5#

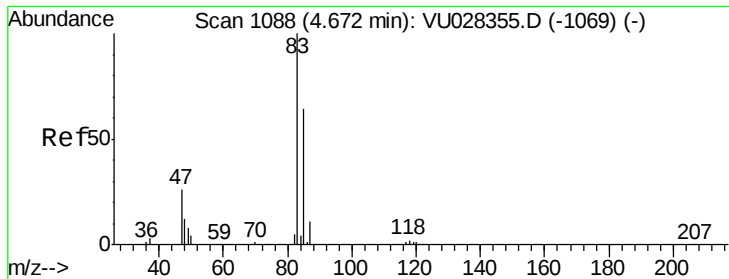


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

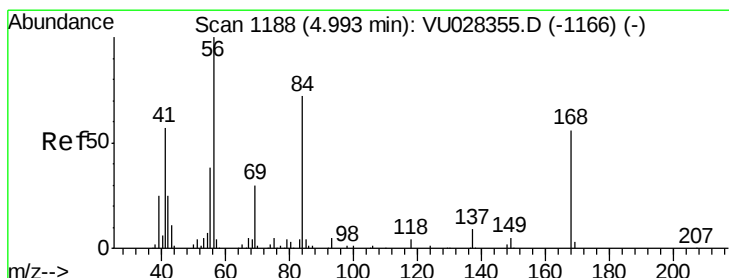
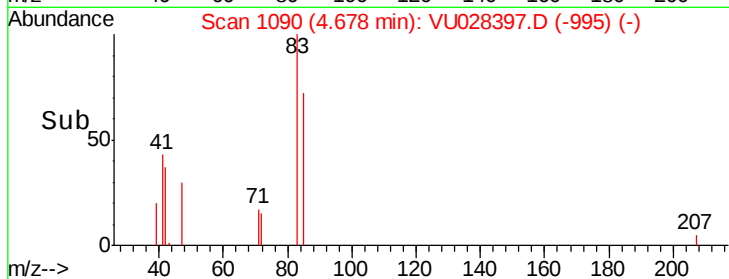
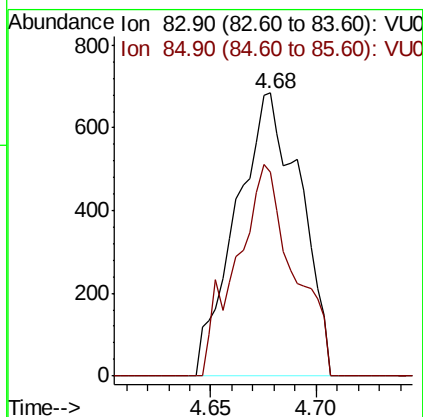
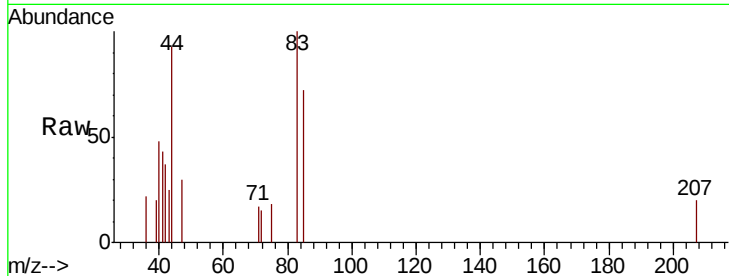




#30
Chloroform
Concen: 0.233 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

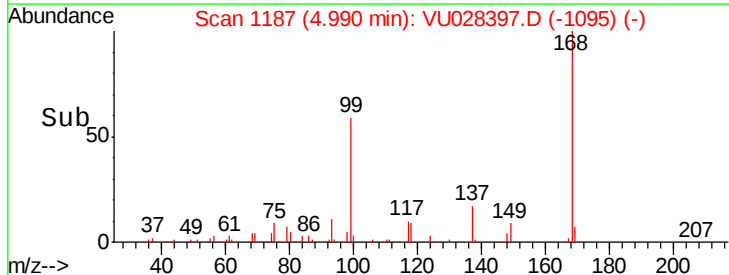
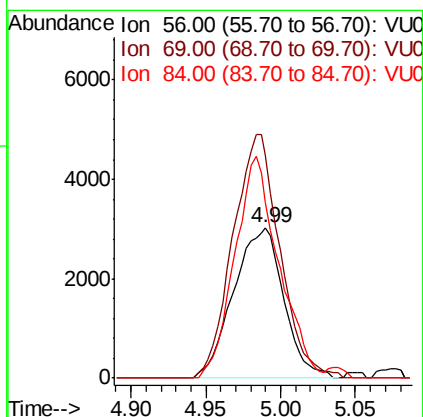
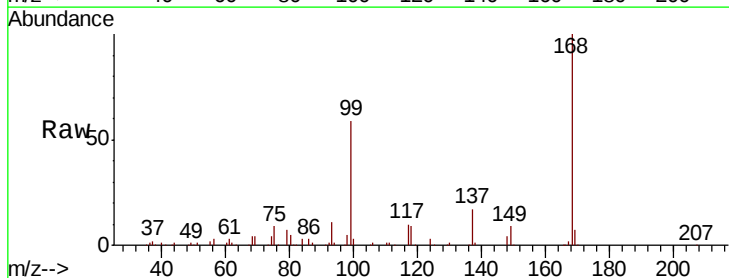
Instrument :
MSVOA_U
ClientSampled :

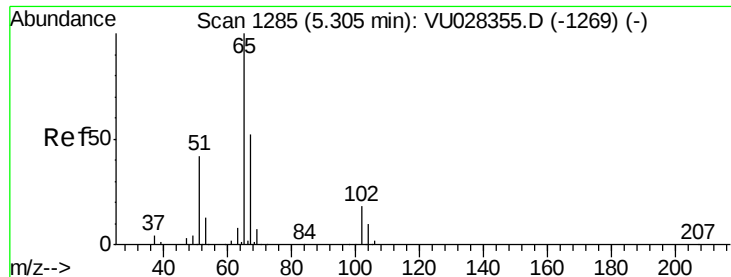
Tot Ion: 83 Resp: 1451
Ion Ratio Lower Upper
83 100
85 71.9 51.2 76.8



#31
Cyclohexane
Concen: 0.636 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

Tgt Ion: 56 Resp: 7045
Ion Ratio Lower Upper
56 100
69 148.1 23.7 35.5#
84 117.2 57.3 85.9#

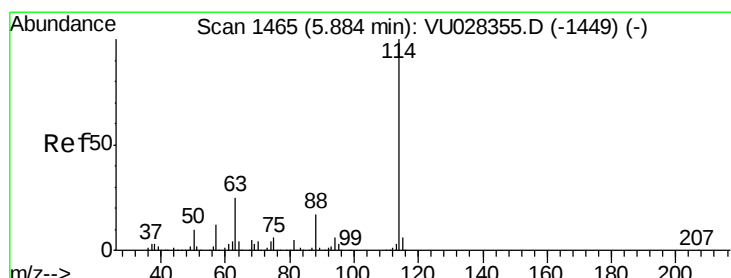
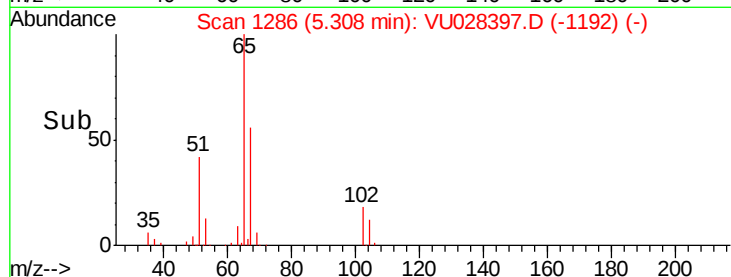
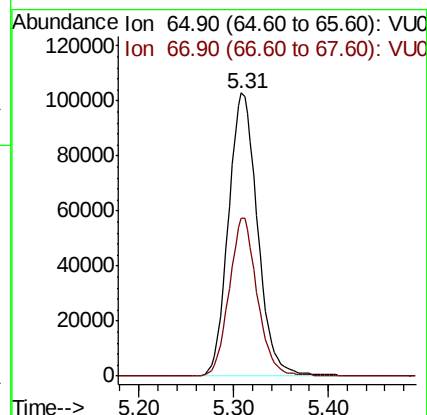
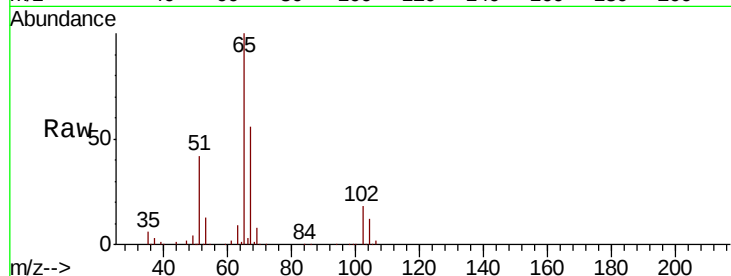




#33
 1,2-Dichloroethane-d4
 Concen: 52.858 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028397.D
 Acq: 29 Nov 2018 16:33

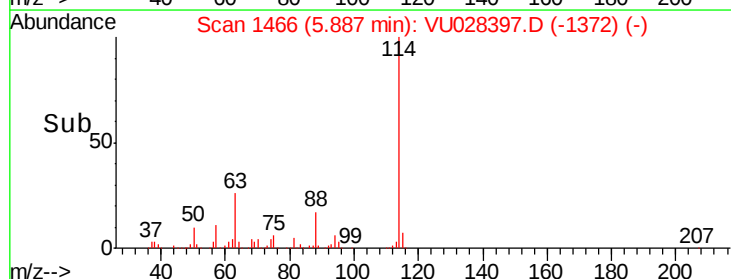
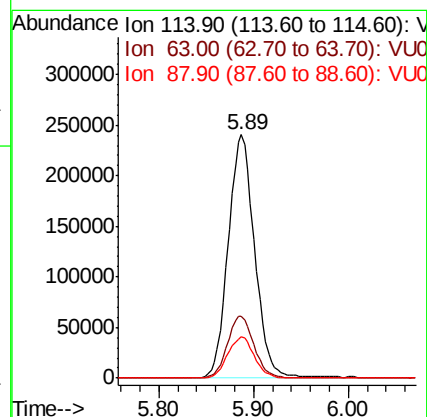
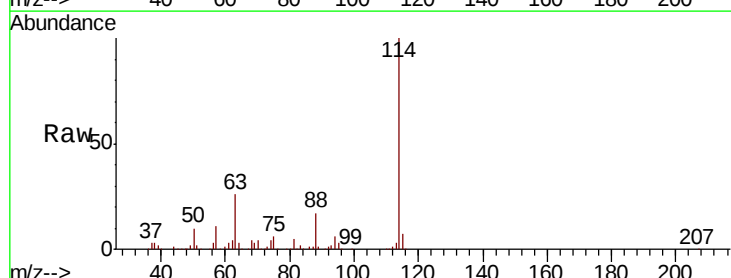
Instrument :
 MSVOA_U
 ClientSampleId :

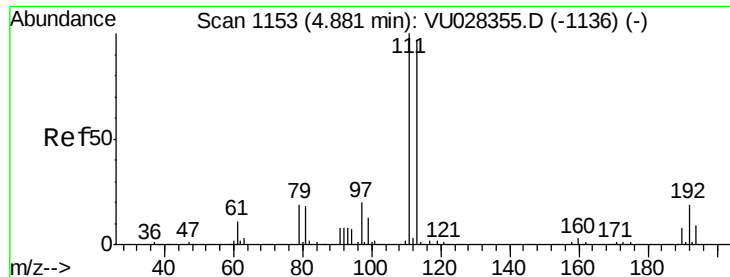
Tot Ion: 65 Resp: 220035
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028397.D
 Acq: 29 Nov 2018 16:33

Tgt Ion: 114 Resp: 467946
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 50.0
 88 17.0 0.0 34.4





#35

Dibromofluoromethane

Concen: 50.429 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Instrument :
MSVOA_U
ClientSampleId :

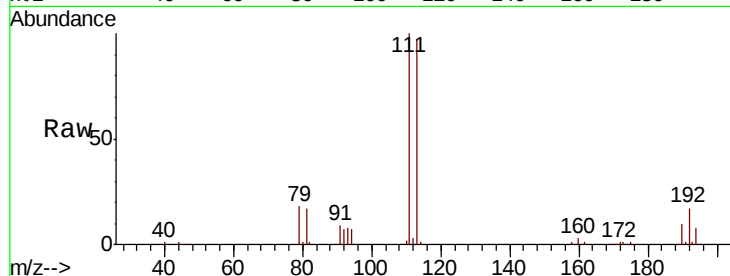
Tot Ion:113 Resp: 156917

Ion Ratio Lower Upper

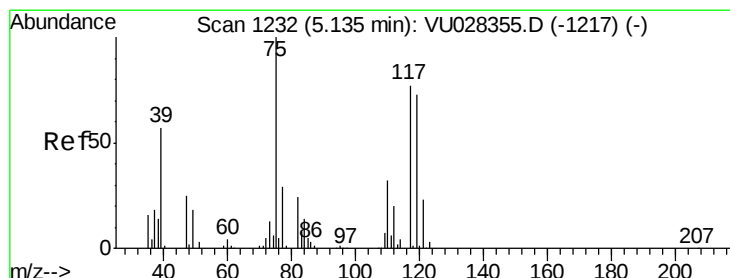
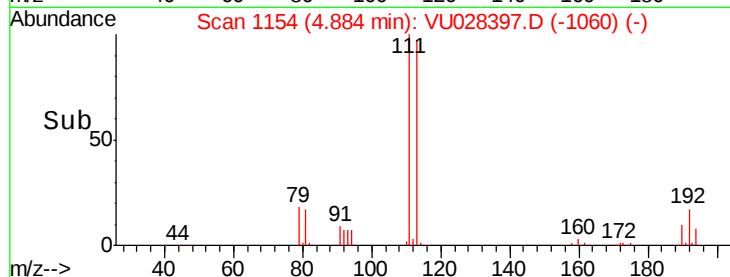
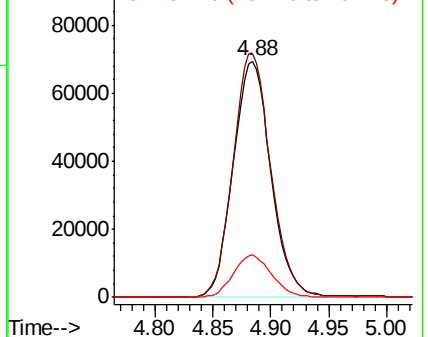
113 100

111 103.1 82.9 124.3

192 18.1 15.4 23.0



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: 4.347 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

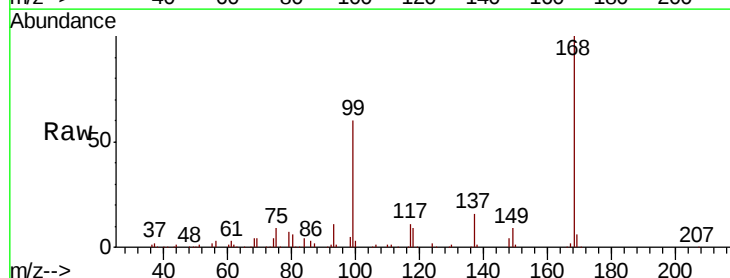
Tgt Ion: 75 Resp: 22262

Ion Ratio Lower Upper

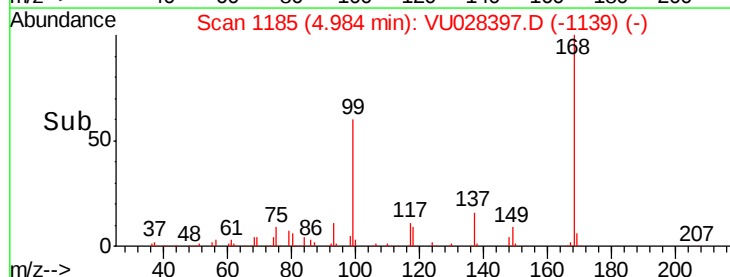
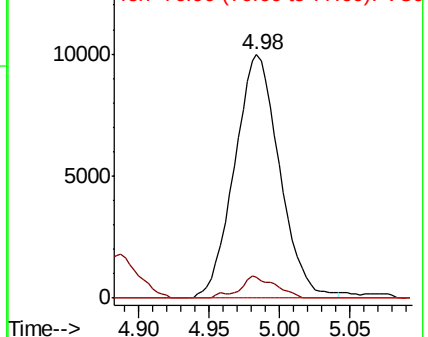
75 100

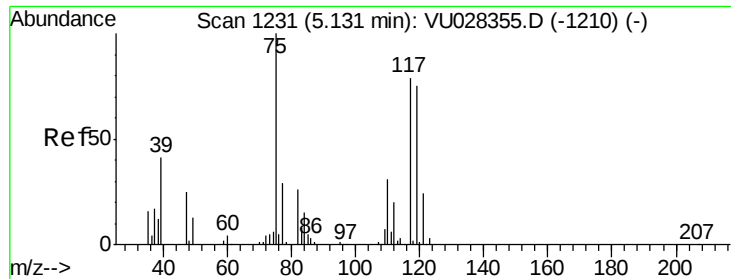
110 7.1 15.8 47.4#

77 0.0 24.6 36.8#



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: 6.022 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

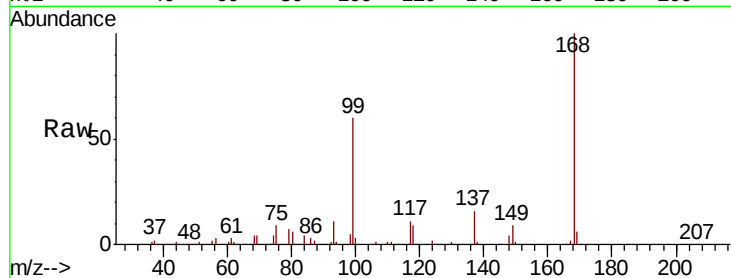
Tot Ion:117 Resp: 25322

Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

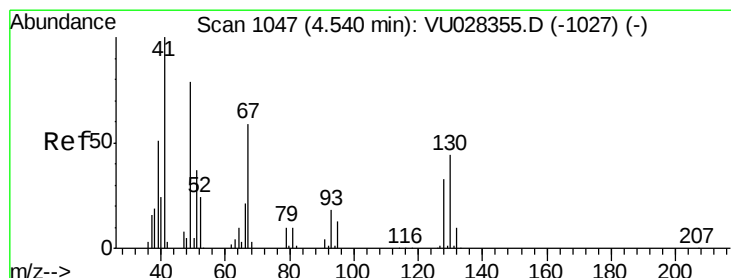
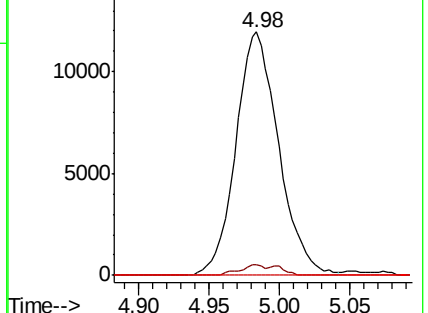
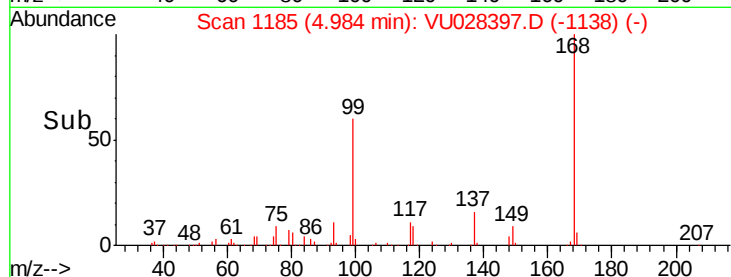
121 0.0 24.7 37.1#



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: 0.232 ug/l

RT: 4.65 min Scan# 1080

Delta R.T. 0.11 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Tgt Ion: 41 Resp: 901

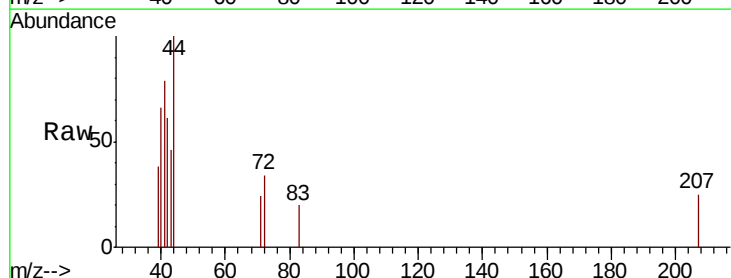
Ion Ratio Lower Upper

41 100

39 65.9 41.3 61.9#

67 0.0 48.6 73.0#

52 0.0 19.4 29.0#

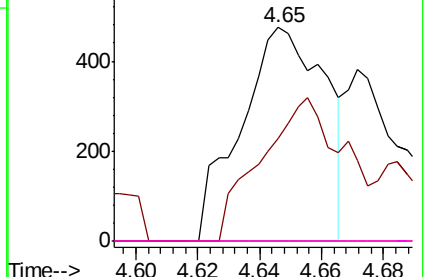
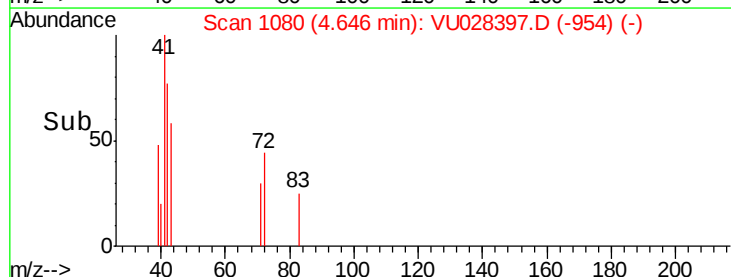


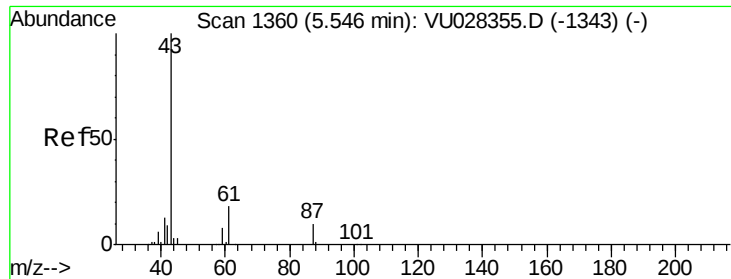
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#43

Isopropyl Acetate

Concen: 2.600 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

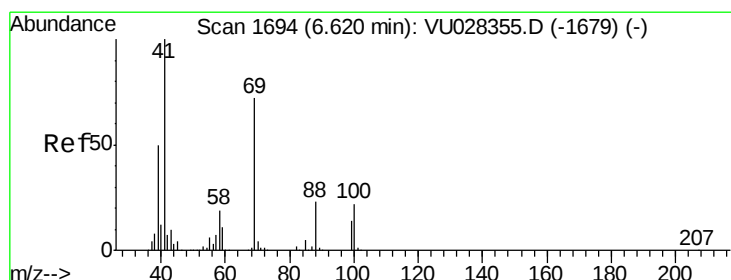
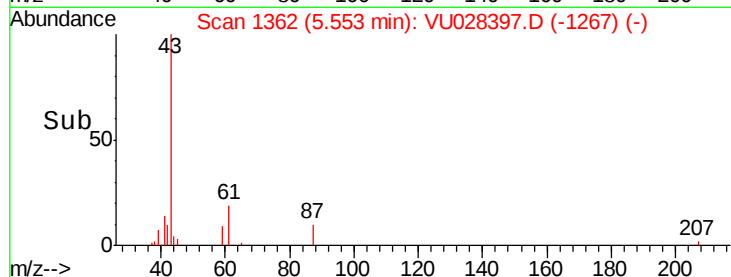
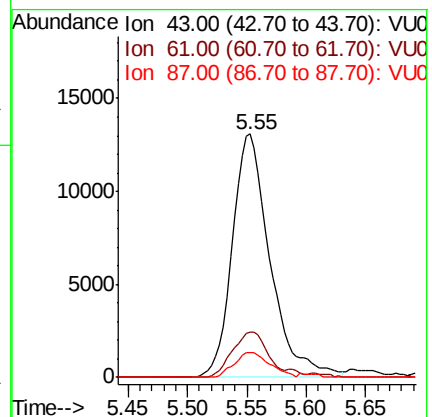
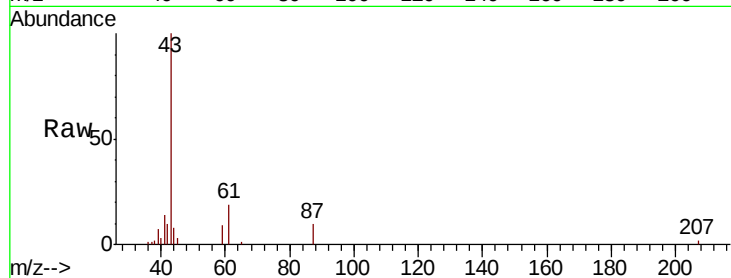
Tot Ion: 43 Resp: 28746

Ion Ratio Lower Upper

43 100

61 18.2 14.5 21.7

87 9.6 8.4 12.6



#48

Methyl methacrylate

Concen: 26.511 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.08 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

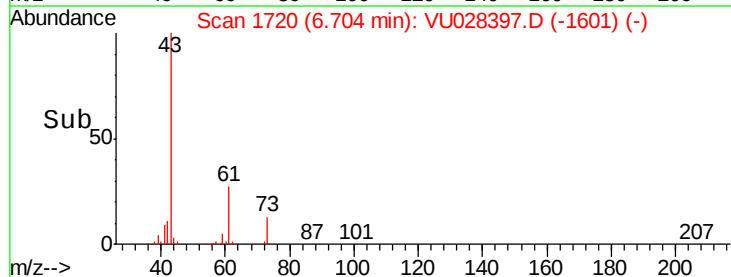
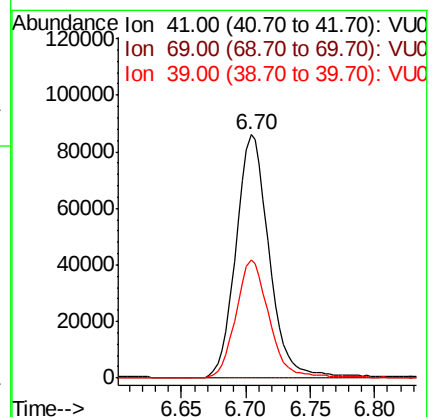
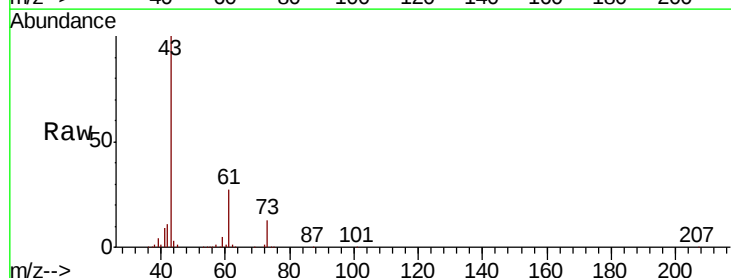
Tgt Ion: 41 Resp: 152708

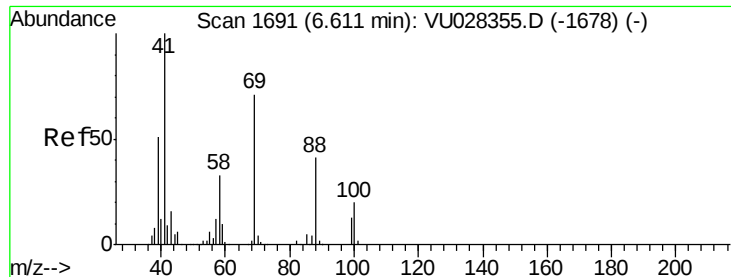
Ion Ratio Lower Upper

41 100

69 0.0 59.0 88.4#

39 49.2 40.5 60.7

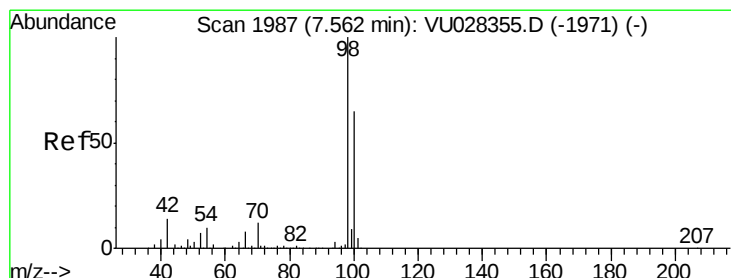
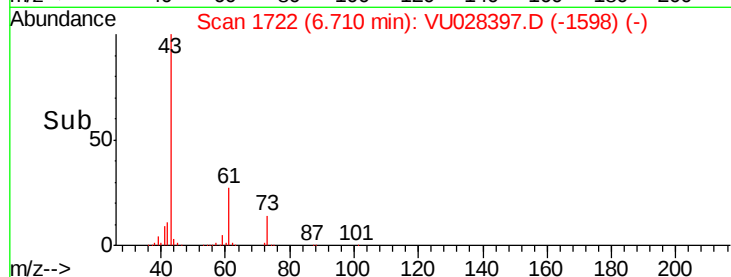
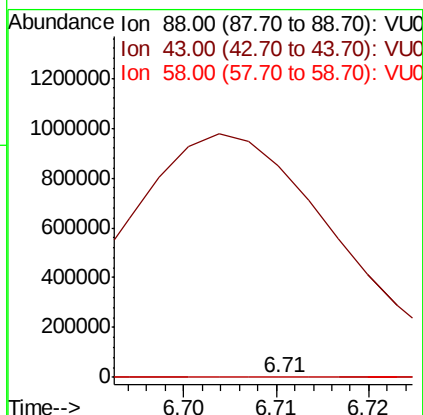
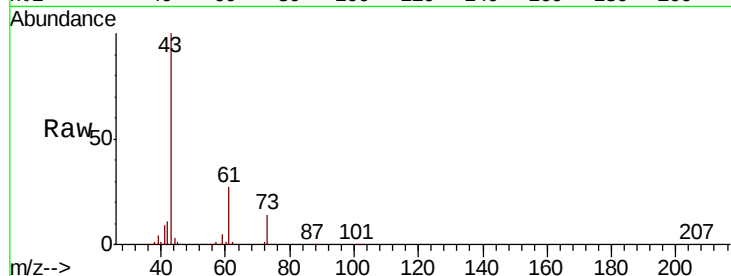




#49
1,4-Dioxane
Concen: 0.446 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.10 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

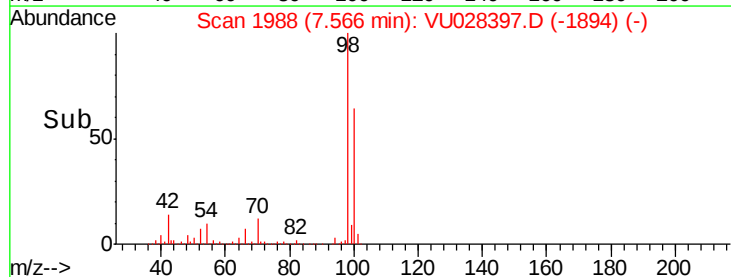
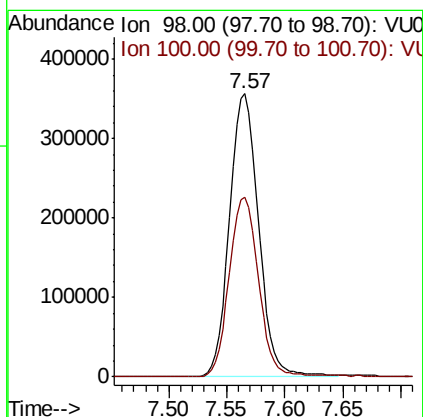
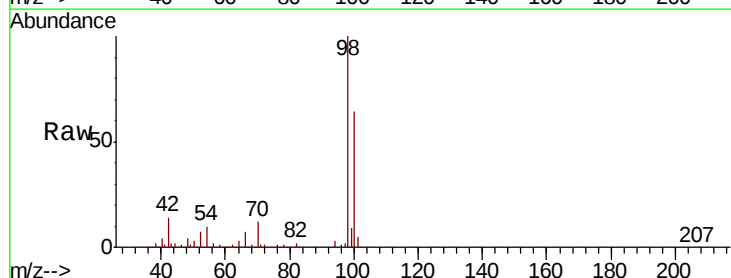
Instrument :
MSVOA_U
ClientSampleId :

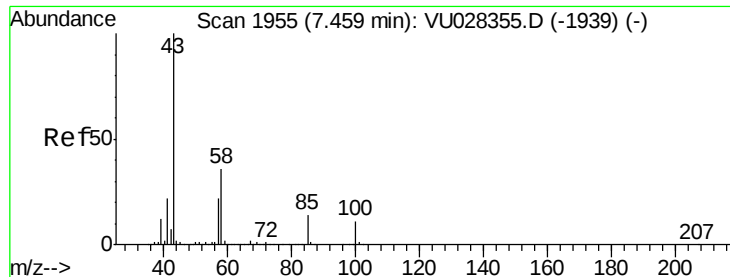
Tot Ion: 88 Resp: 41
Ion Ratio Lower Upper
88 100
43 4260170.7 32.6 48.8#
58 15565.9 68.7 103.1#



#50
Toluene-d8
Concen: 49.975 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

Tgt Ion: 98 Resp: 621907
Ion Ratio Lower Upper
98 100
100 64.4 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 2.136 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Instrument :

MSVOA_U

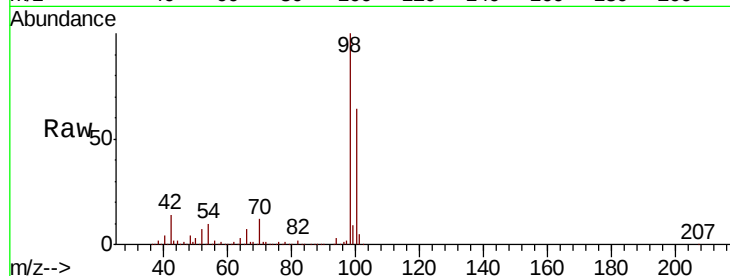
ClientSampled :

Tot Ion: 43 Resp: 15087

Ion Ratio Lower Upper

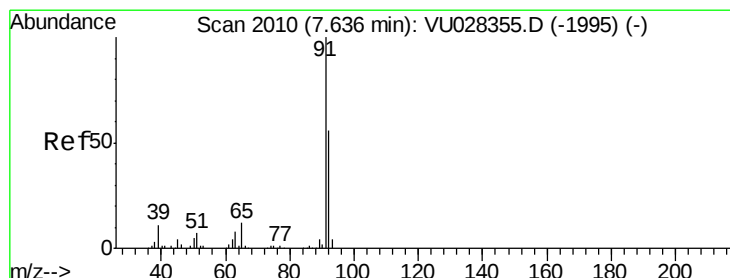
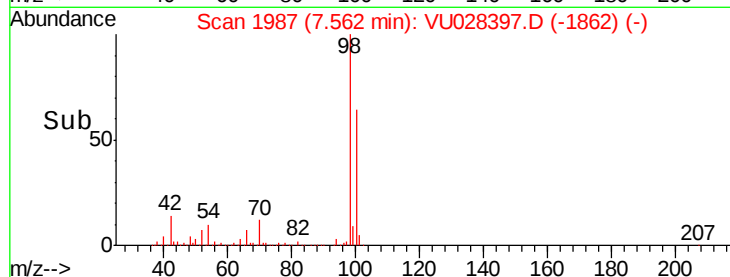
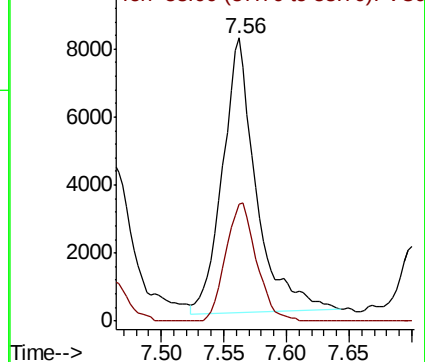
43 100

58 39.2 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 0.729 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028397.D

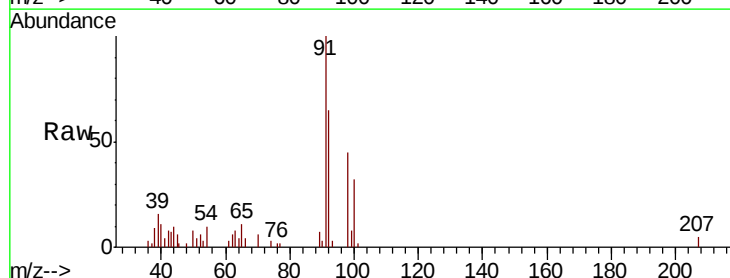
Acq: 29 Nov 2018 16:33

Tgt Ion: 92 Resp: 6363

Ion Ratio Lower Upper

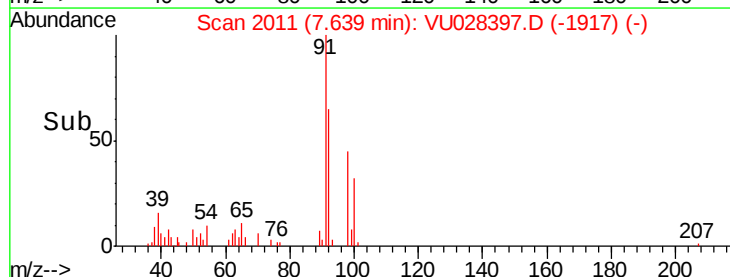
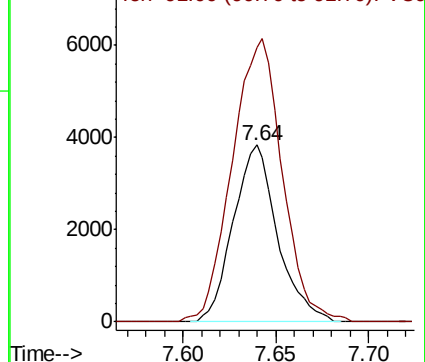
92 100

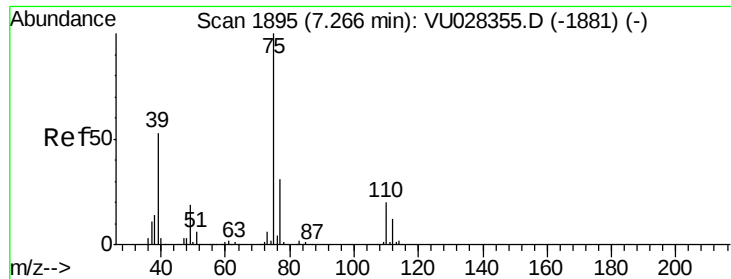
91 181.5 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



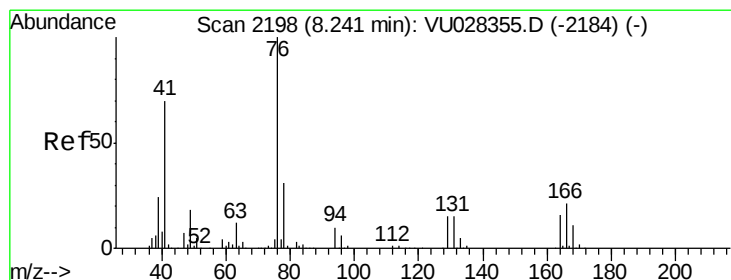
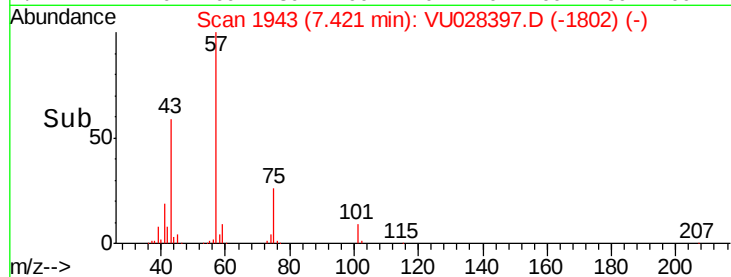
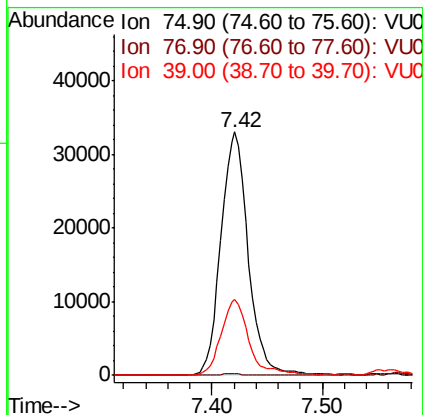
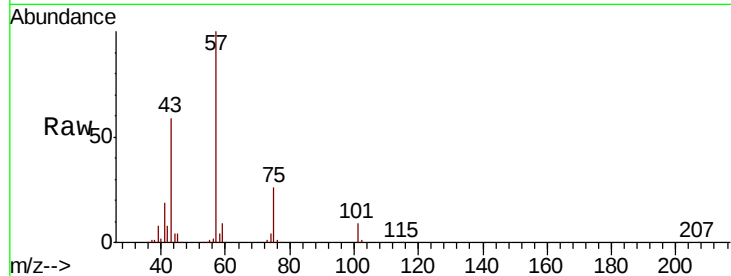


#54

cis-1,3-Dichloropropene
 Concen: 8.729 ug/l
 RT: 7.42 min Scan# 1943
 Delta R.T. 0.15 min
 Lab File: VU028397.D
 Acq: 29 Nov 2018 16:33

Instrument :
 MSVOA_U
 ClientSampleId :

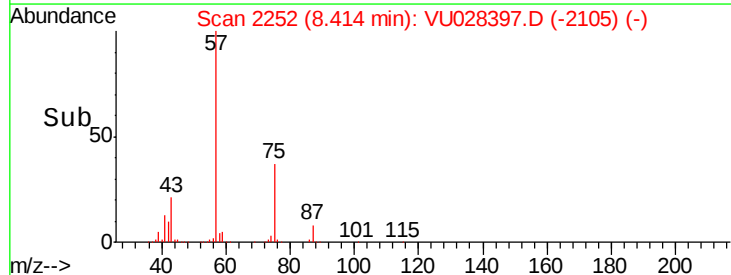
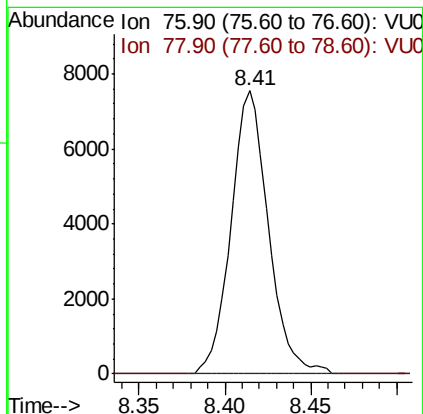
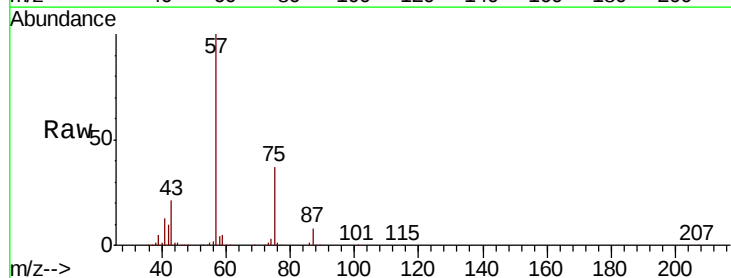
Tot Ion: 75 Resp: 56744
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.9 37.3#
 39 31.2 42.6 64.0#

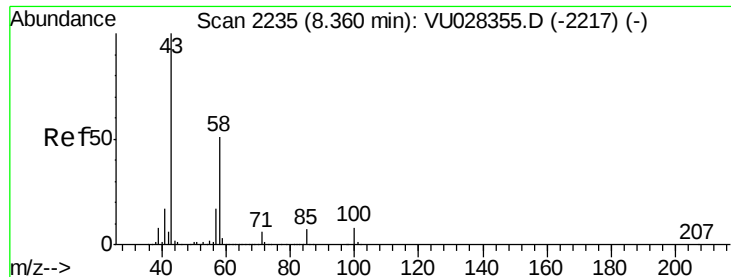


#57

1,3-Dichloropropane
 Concen: 1.719 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.17 min
 Lab File: VU028397.D
 Acq: 29 Nov 2018 16:33

Tgt Ion: 76 Resp: 11457
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#

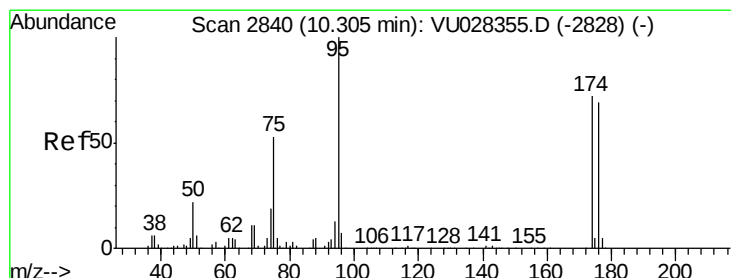
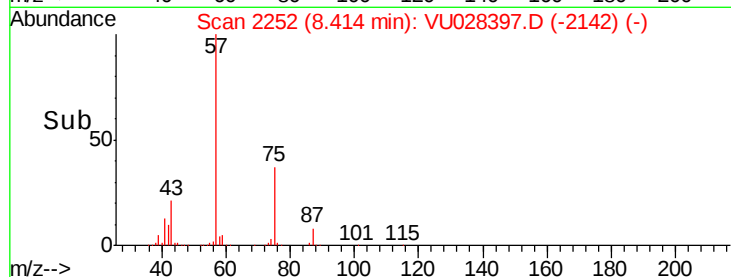
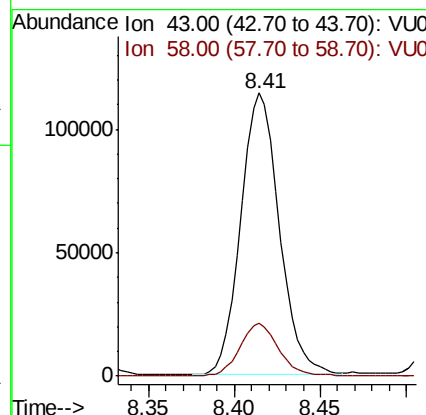
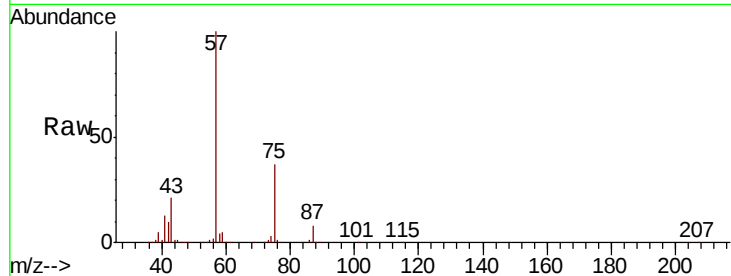




#59
2-Hexanone
Concen: 32.572 ug/l
RT: 8.41 min Scan# 2252
Delta R.T. 0.05 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

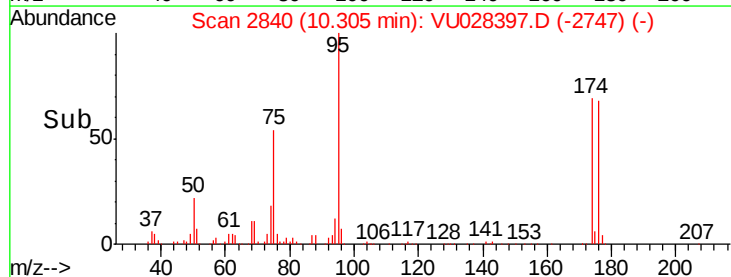
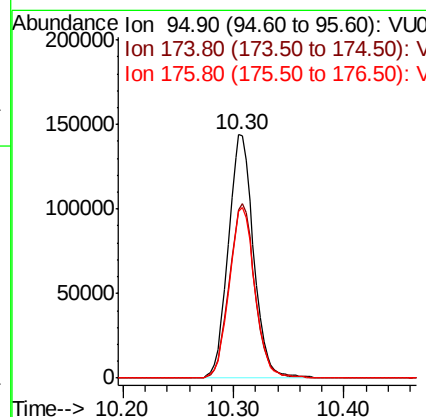
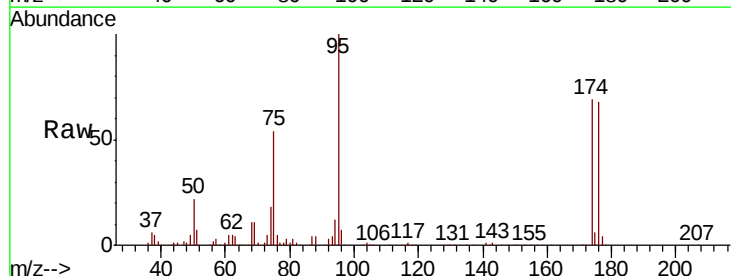
Instrument :
MSVOA_U
ClientSampled :

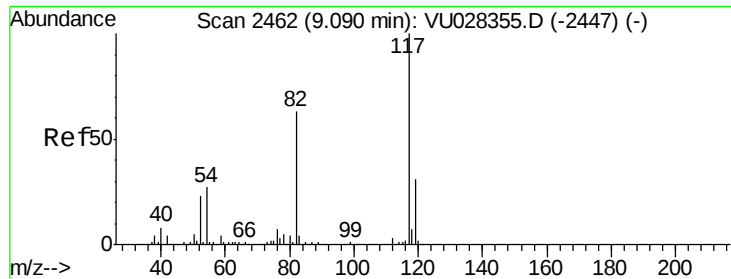
Tot Ion: 43 Resp: 178192
Ion Ratio Lower Upper
43 100
58 19.1 25.5 76.5#



#62
4-Bromofluorobenzene
Concen: 51.113 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

Tgt Ion: 95 Resp: 229257
Ion Ratio Lower Upper
95 100
174 72.4 0.0 145.4
176 71.1 0.0 140.8

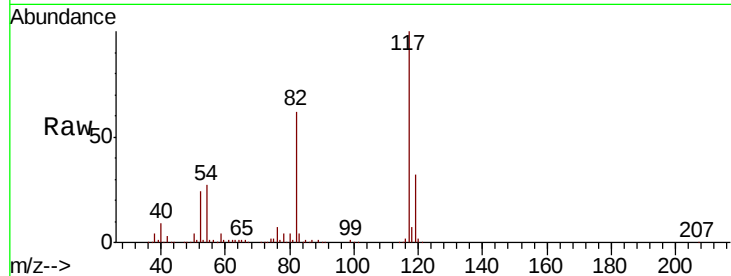




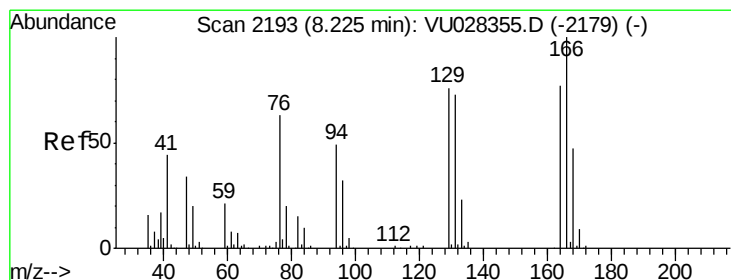
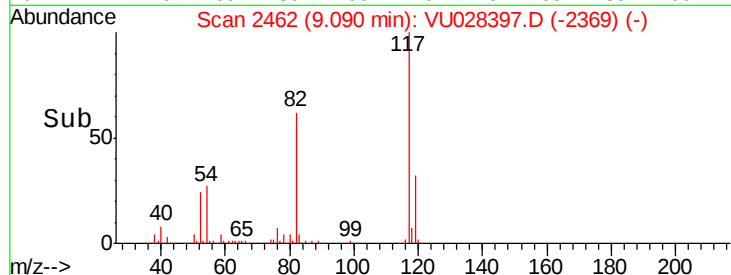
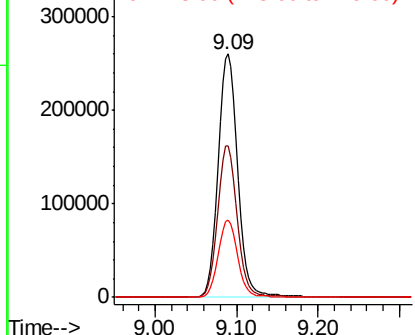
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 444699
Ion Ratio Lower Upper
117 100
82 62.5 50.3 75.5
119 31.9 24.8 37.2

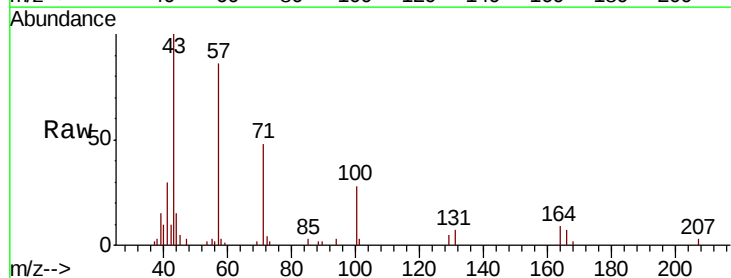


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

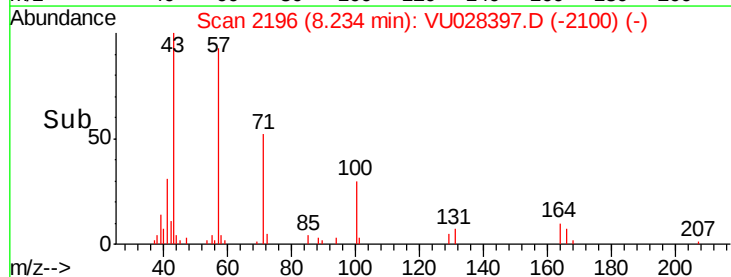
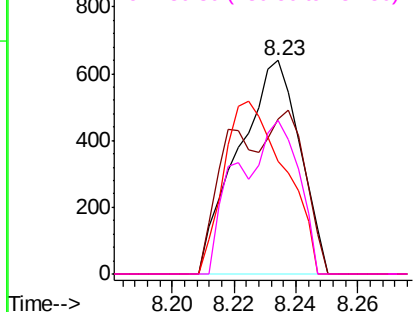


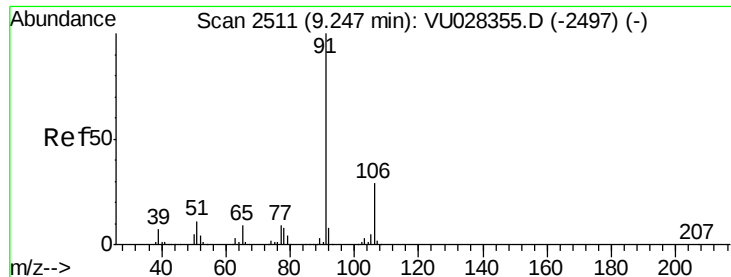
#64
Tetrachloroethene
Concen: 0.302 ug/l
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

Tgt Ion:164 Resp: 883
Ion Ratio Lower Upper
164 100
166 72.7 104.0 156.0#
129 52.7 79.2 118.8#
131 71.9 75.7 113.5#



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





#67

Ethyl Benzene

Concen: 0.515 ug/l

RT: 9.25 min Scan# 2513

Delta R.T. 0.01 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Instrument :

MSVOA_U

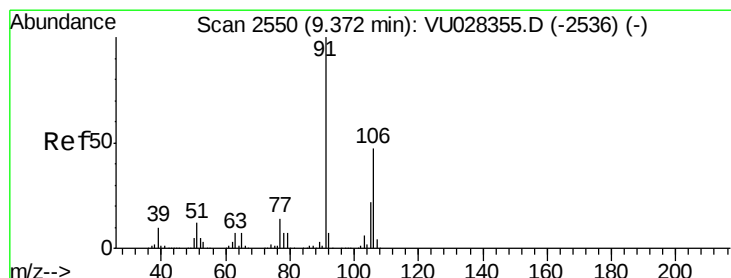
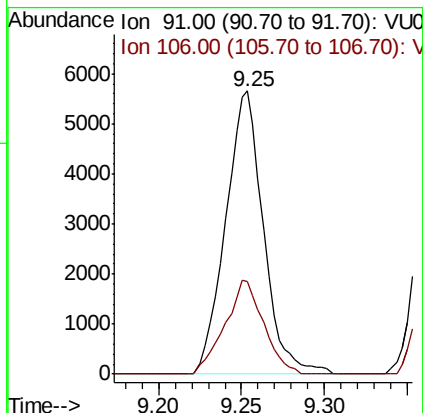
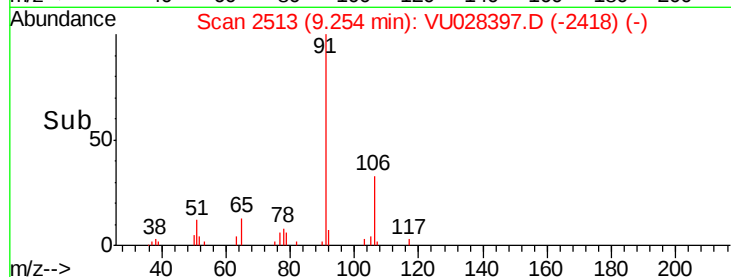
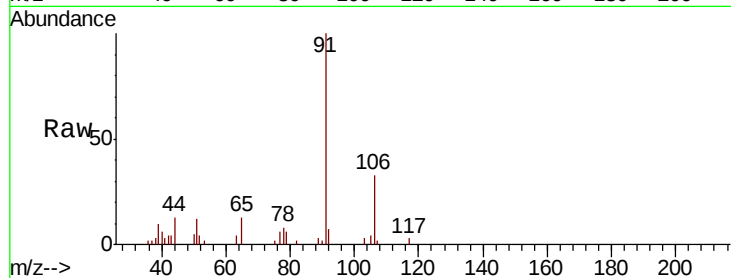
ClientSampleId :

Tot Ion: 91 Resp: 8950

Ion Ratio Lower Upper

91 100

106 32.8 23.3 34.9



#68

m/p-Xylenes

Concen: 1.590 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028397.D

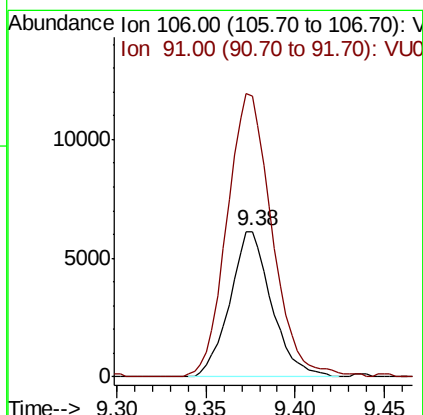
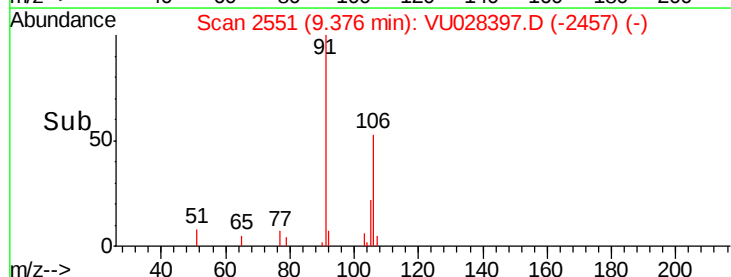
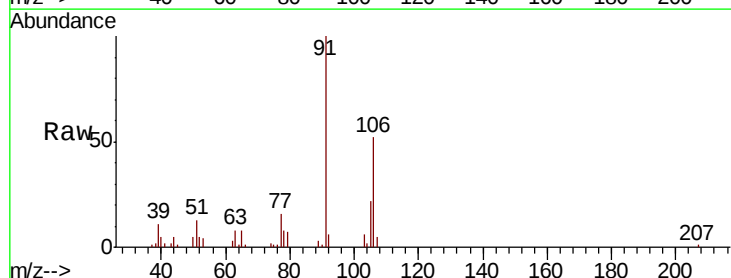
Acq: 29 Nov 2018 16:33

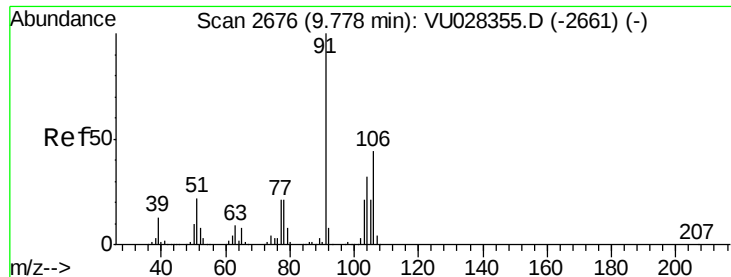
Tgt Ion: 106 Resp: 9956

Ion Ratio Lower Upper

106 100

91 210.8 171.0 256.6

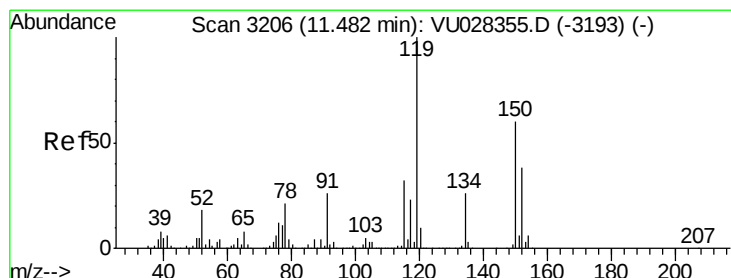
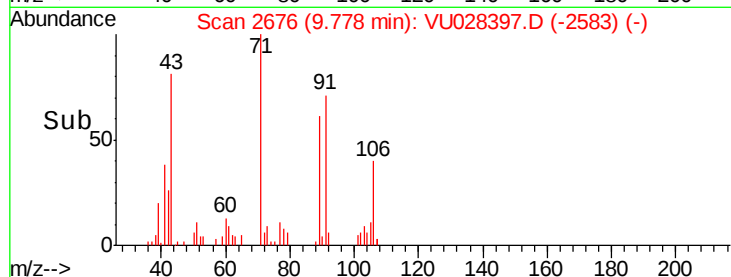
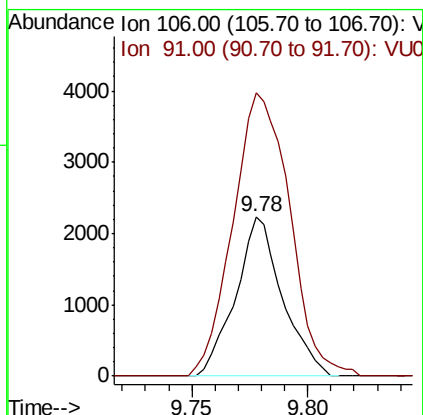
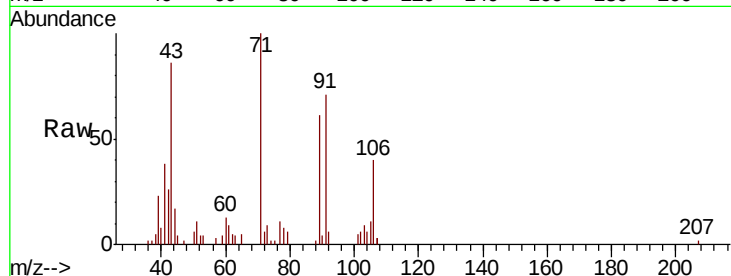




#69
o-Xylene
Concen: 0.505 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

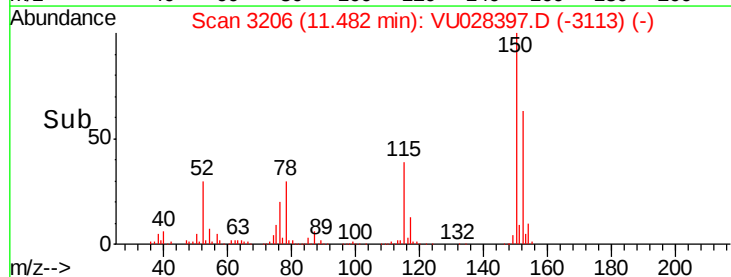
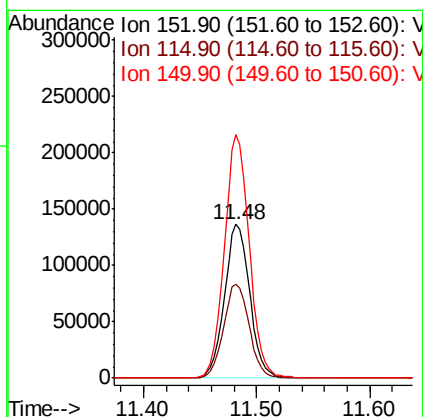
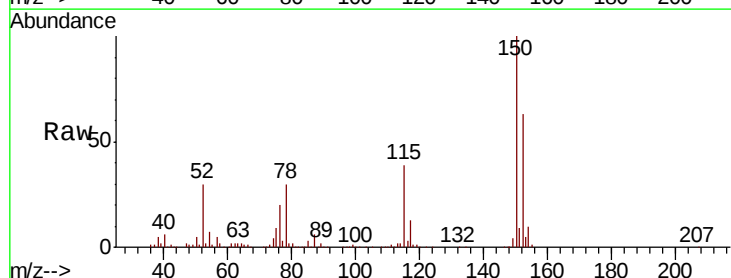
Instrument :
MSVOA_U
ClientSampleId :

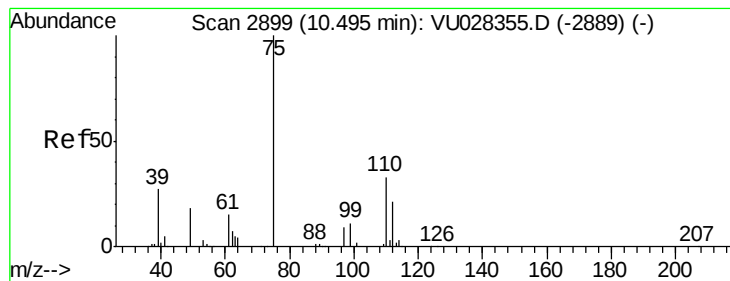
Tot Ion:106 Resp: 3140
Ion Ratio Lower Upper
106 100
91 215.2 112.7 338.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

Tgt Ion:152 Resp: 211906
Ion Ratio Lower Upper
152 100
115 61.8 45.0 134.8
150 155.8 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 21.042 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Instrument :

MSVOA_U

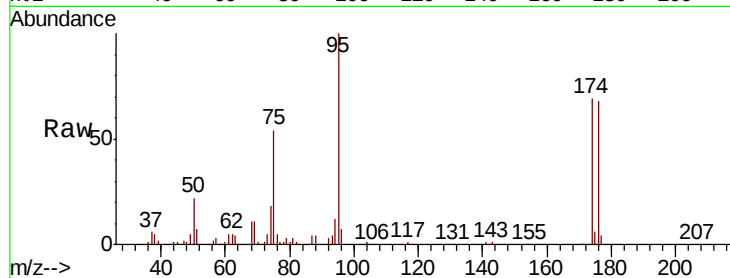
ClientSampleId :

Tot Ion: 75 Resp: 123652

Ion Ratio Lower Upper

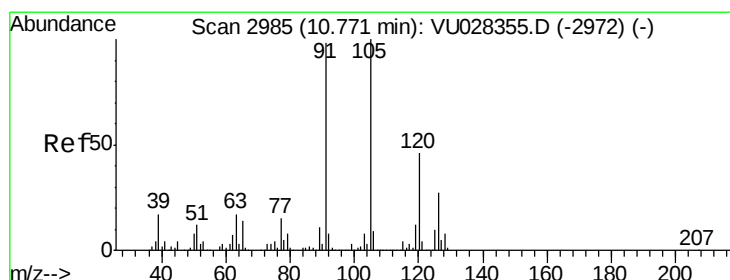
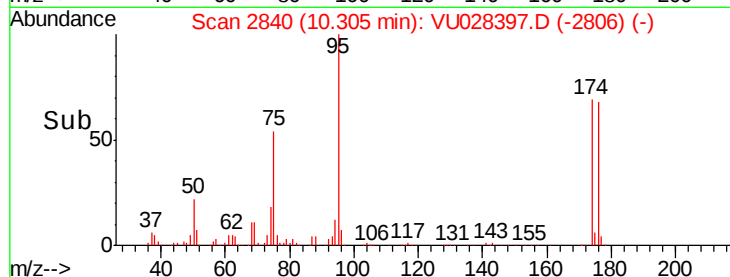
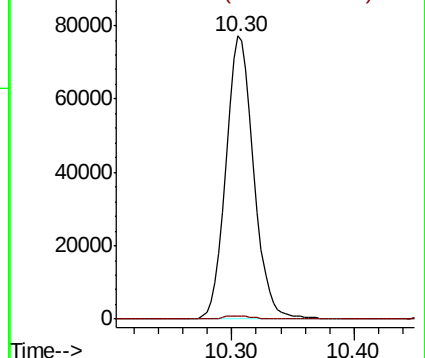
75 100

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



#80

1,3,5-Trimethylbenzene

Concen: 0.382 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028397.D

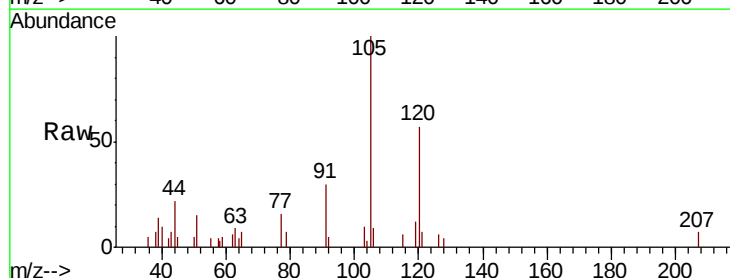
Acq: 29 Nov 2018 16:33

Tgt Ion: 105 Resp: 5304

Ion Ratio Lower Upper

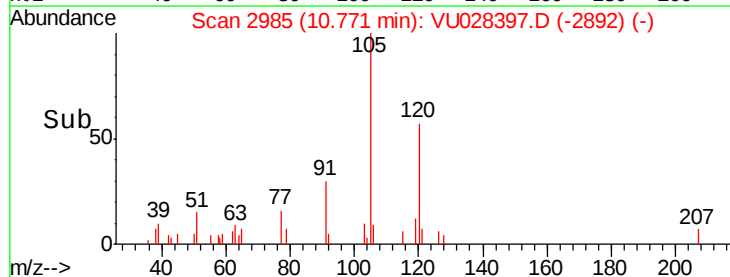
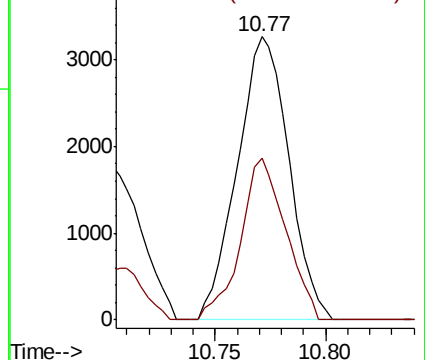
105 100

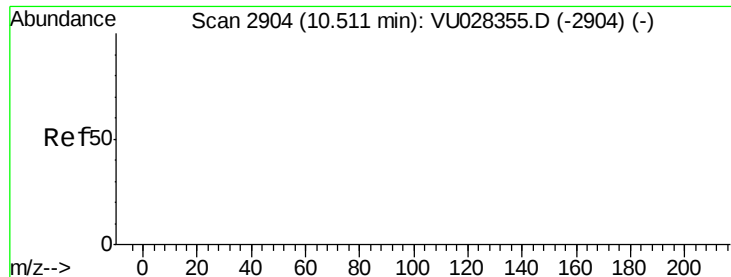
120 49.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

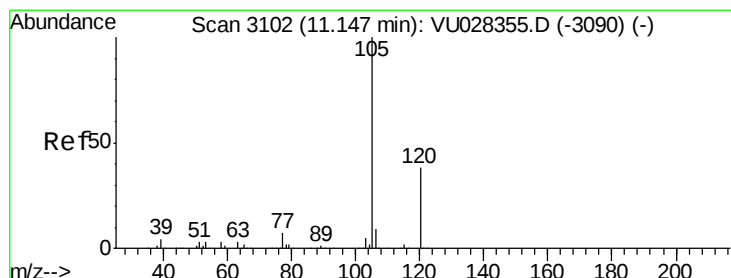
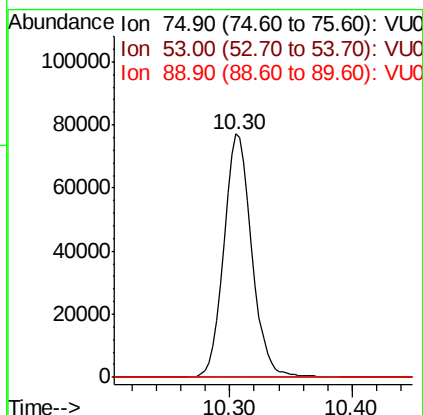
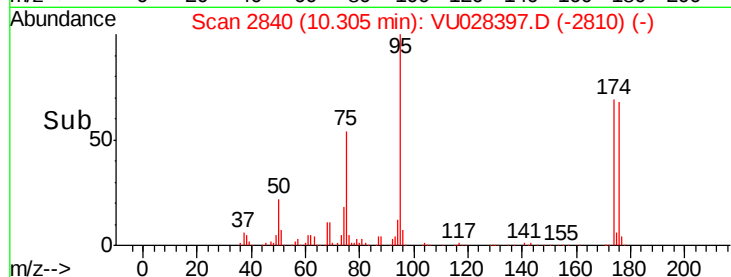
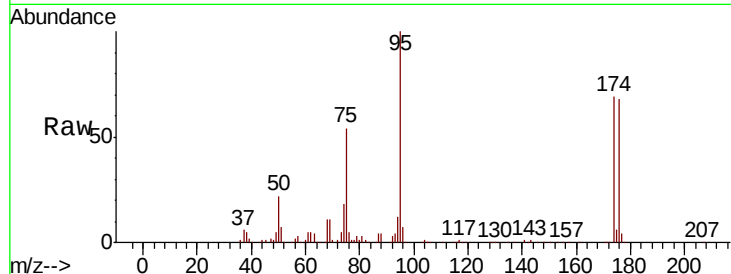




#81
trans-1,4-Dichloro-2-butene
Concen: 55.857 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

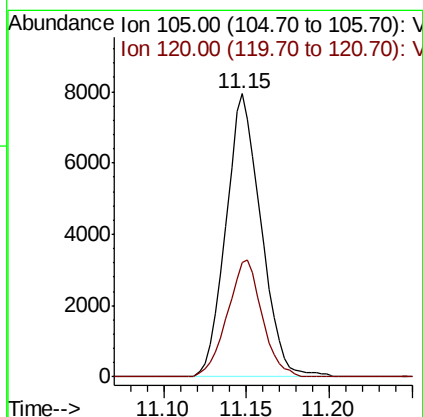
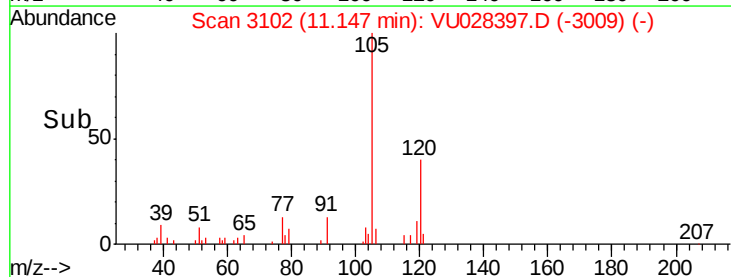
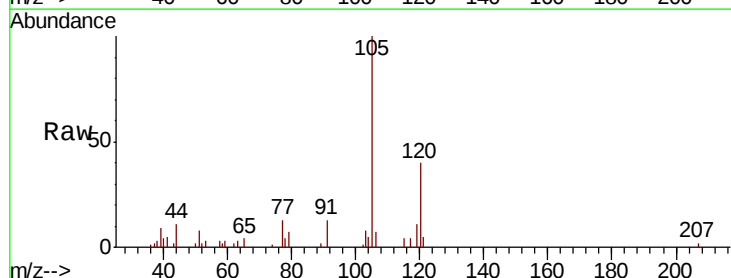
Instrument :
MSVOA_U
ClientSampleId :

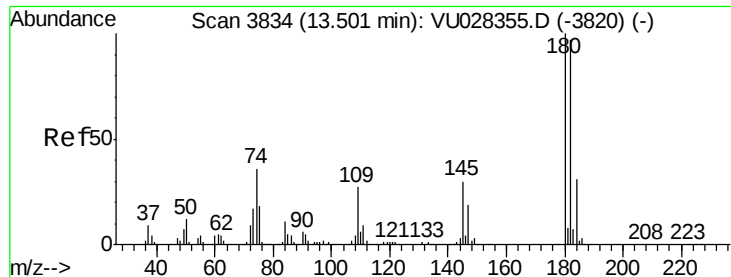
Tot Ion: 75 Resp: 123652
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#84
1,2,4-Trimethylbenzene
Concen: 0.831 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028397.D
Acq: 29 Nov 2018 16:33

Tgt Ion:105 Resp: 11695
Ion Ratio Lower Upper
105 100
120 40.9 21.4 64.3





#93

1,2,4-Trichlorobenzene

Concen: 0.268 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. 0.00 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

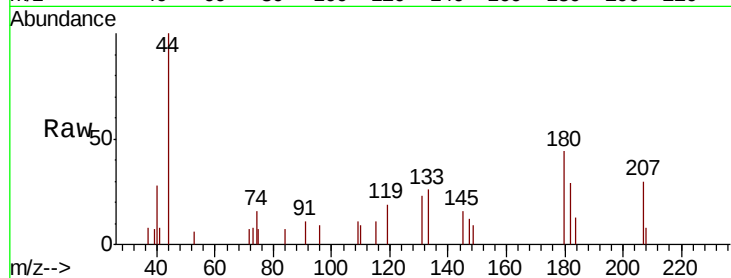
Tot Ion:180 Resp: 1238

Ion Ratio Lower Upper

180 100

182 82.4 48.3 144.9

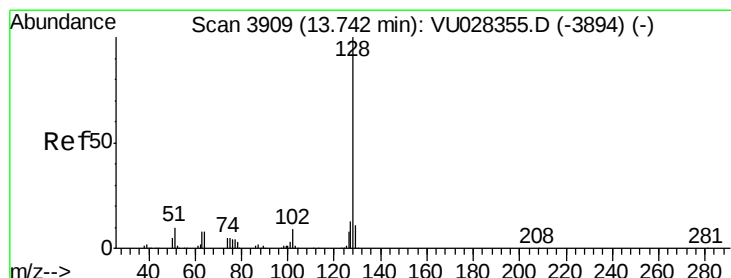
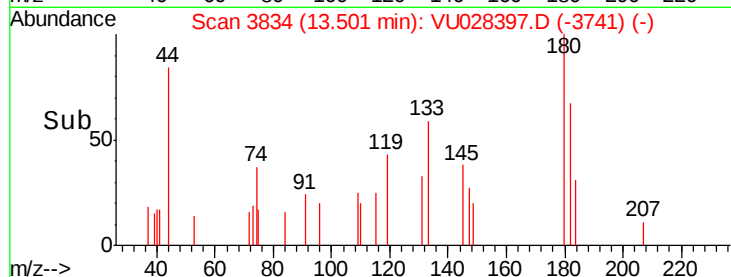
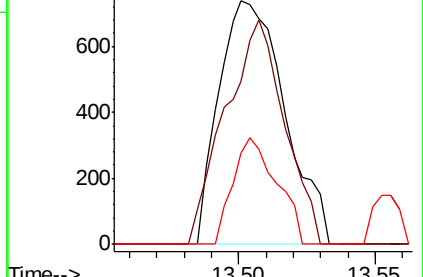
145 29.2 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 8.340 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028397.D

Acq: 29 Nov 2018 16:33

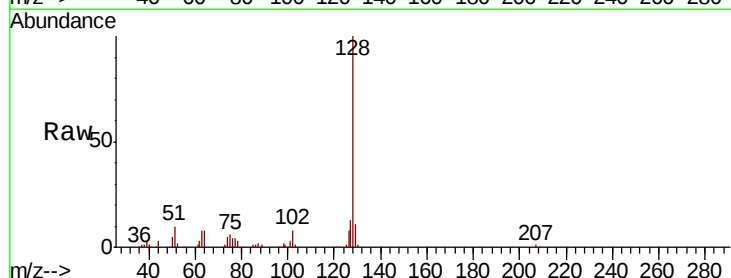
Tgt Ion:128 Resp: 104073

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

