

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028399.D
 Acq On : 29 Nov 2018 17:20
 Operator : MD/SY
 Sample : J6134-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-6

Quant Time: Nov 30 07:05:13 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	255019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	490163	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	469736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	225994	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	225472	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
35) Dibromofluoromethane	4.88	113	164568	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
50) Toluene-d8	7.57	98	646453	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	10.31	95	241648	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	

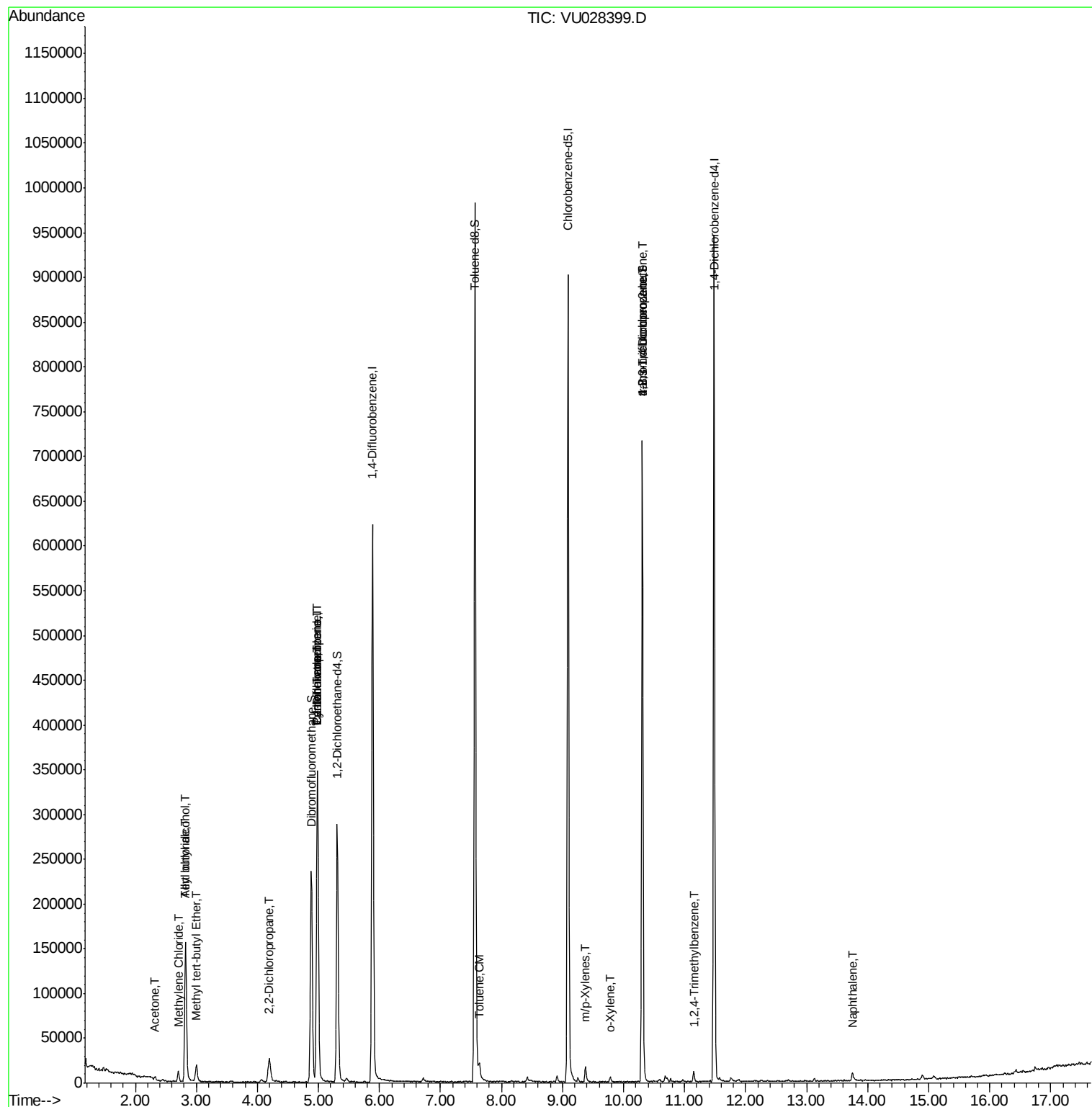
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	185450	191.531	ug/l	99
14) Allyl chloride	2.82	41	41034	5.765	ug/l #	60
16) Acetone	2.32	43	4507	1.729	ug/l	90
19) Methyl tert-butyl Ether	3.00	73	18842	1.687	ug/l	95
20) Methylene Chloride	2.70	84	4738	1.216	ug/l	91
26) 2,2-Dichloropropane	4.19	77	1136	0.207	ug/l #	55
31) Cyclohexane	4.98	56	6554	0.542	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	24597	4.586	ug/l #	51
38) Carbon Tetrachloride	4.98	117	26165	5.940	ug/l #	16
52) Toluene	7.63	92	5218	0.570	ug/l	98
68) m/p-Xylenes	9.37	106	4959	0.750	ug/l	94
69) o-Xylene	9.78	106	1339	0.204	ug/l	93
76) 1,2,3-Trichloropropane	10.30	75	129736	20.701	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	129736	54.952	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	6967	0.464	ug/l	98
95) Naphthalene	13.75	128	10515	3.357	ug/l	97

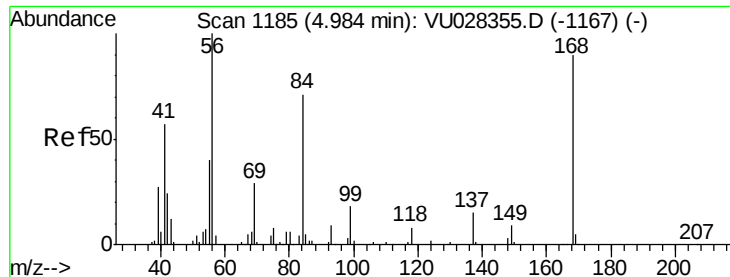
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
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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: VU028399.D

Acq: 29 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

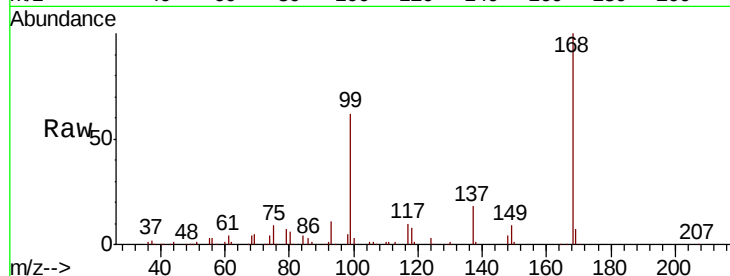
MW-6

Tot Ion:168 Resp: 255019

Ion Ratio Lower Upper

168 100

99 62.3 49.6 74.4



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

Ion 98.90 (98.60 to 99.60): VU028399.D (-1092) (-)

4.98

120000

100000

80000

60000

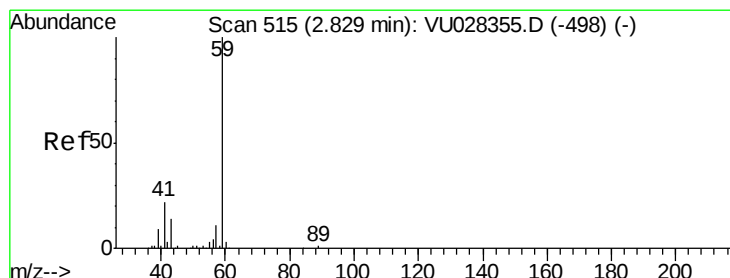
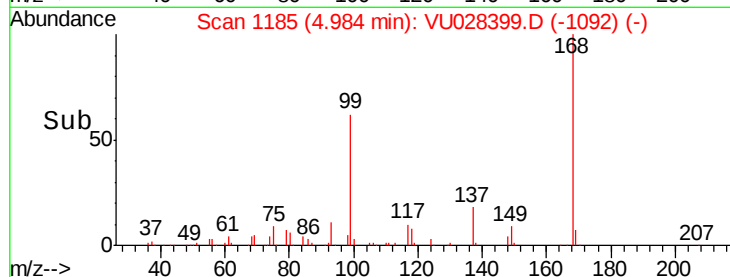
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 191.531 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.01 min

Lab File: VU028399.D

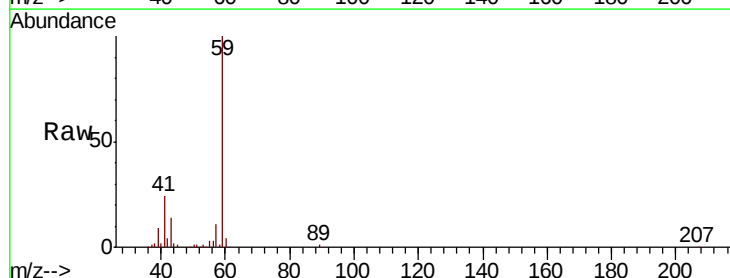
Acq: 29 Nov 2018 17:20

Tgt Ion: 59 Resp: 185450

Ion Ratio Lower Upper

59 100

57 10.1 8.3 12.5



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

Ion 57.00 (56.70 to 57.70): VU028399.D (-422) (-)

2.82

100000

80000

60000

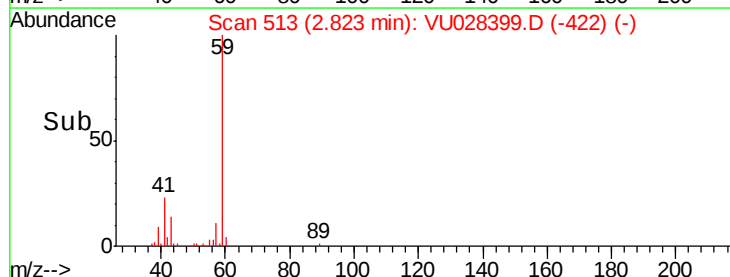
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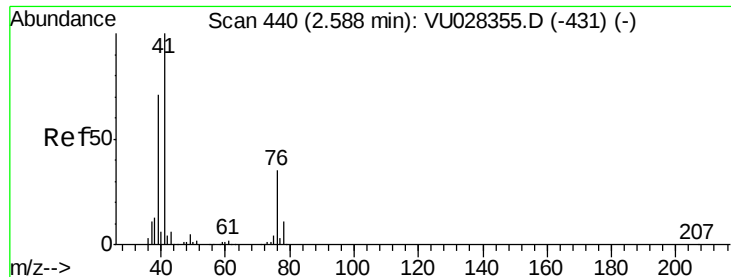
20000

0

2.80 2.90

Time-->





#14

Allv1 chloride

Concen: 5.765 ug/l

RT: 2.82 min Scan# 513

Delta R.T. 0.23 min

Lab File: VU028399.D

Acq: 29 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampled :

MW-6

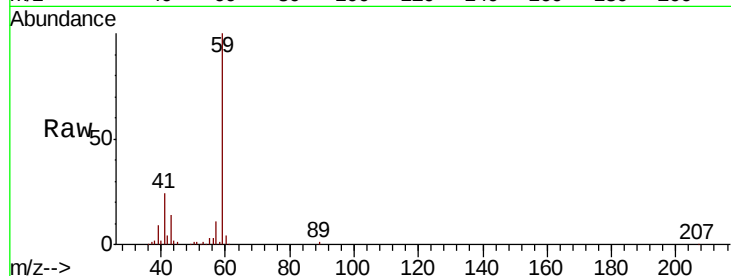
Tot Ion: 41 Resp: 41034

Ion Ratio Lower Upper

41 100

39 39.3 51.6 77.4#

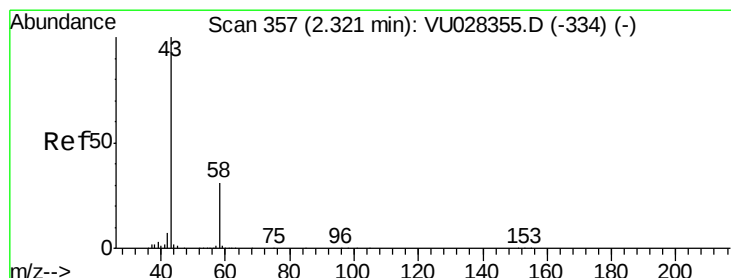
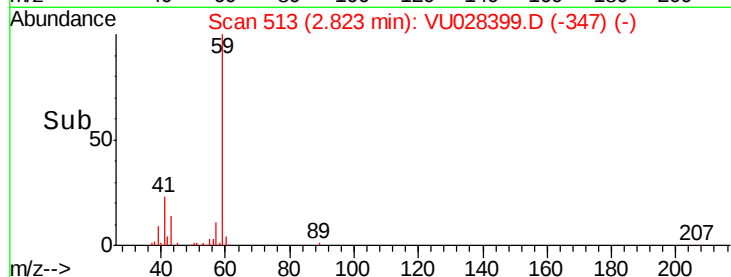
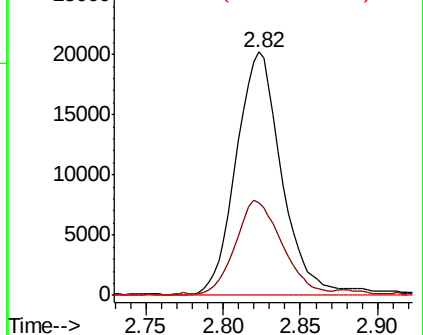
76 0.0 24.4 36.6#



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: 1.729 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028399.D

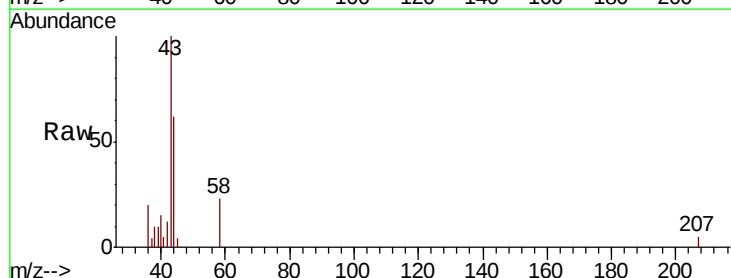
Acq: 29 Nov 2018 17:20

Tgt Ion: 43 Resp: 4507

Ion Ratio Lower Upper

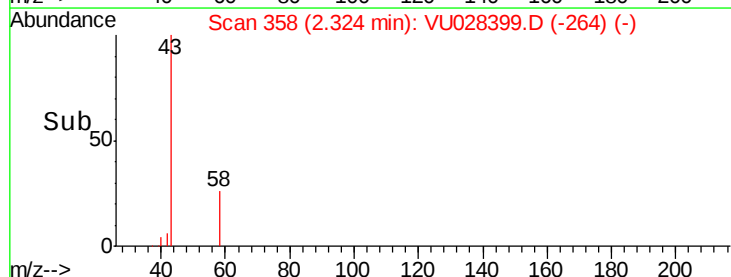
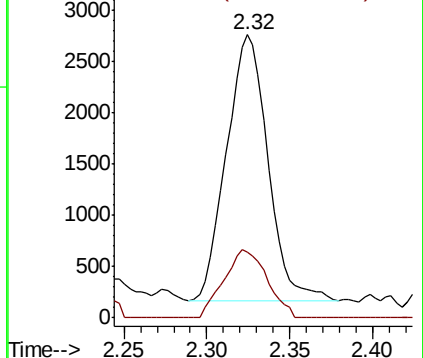
43 100

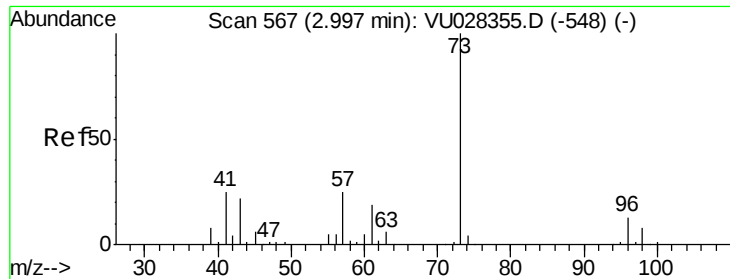
58 25.0 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



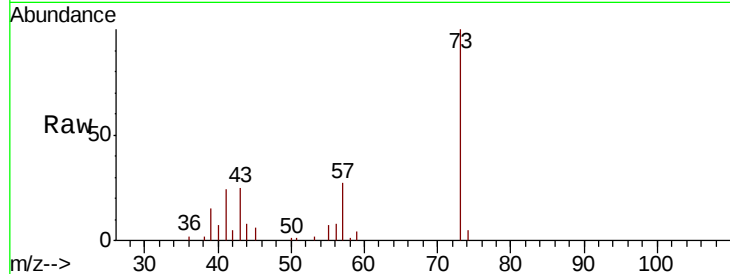


#19

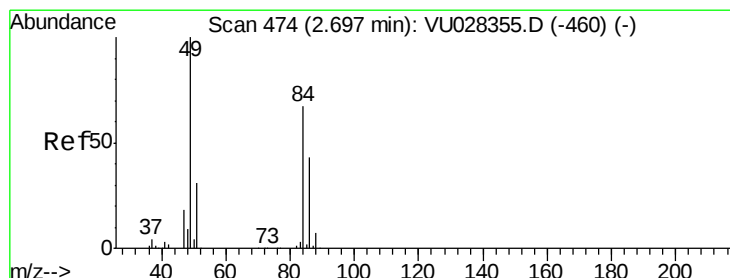
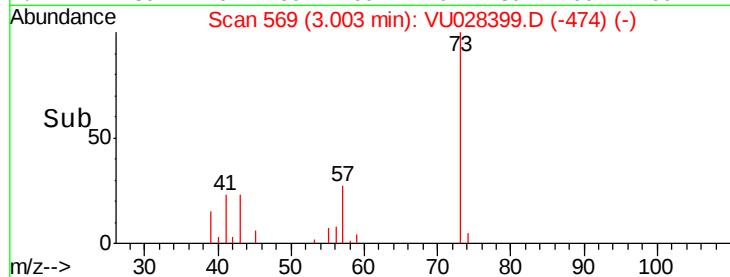
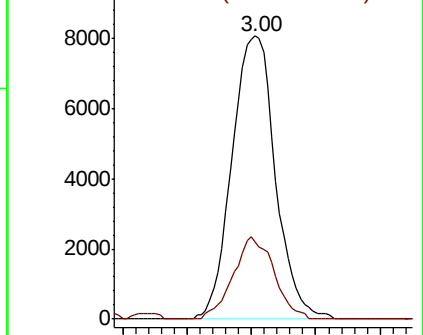
Methyl tert-butyl Ether
 Concen: 1.687 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VU028399.D
 Acq: 29 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-6

Tot Ion: 73 Resp: 18842
 Ion Ratio Lower Upper
 73 100
 57 27.4 20.1 30.1



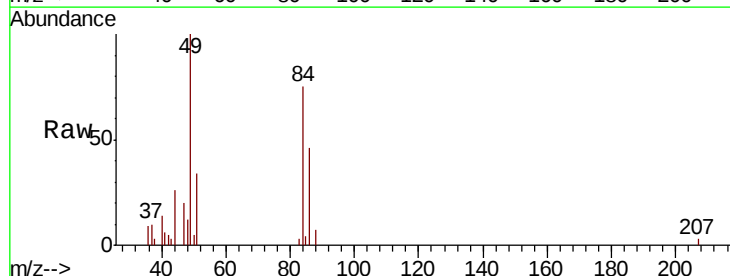
Abundance Ion 73.00 (72.70 to 73.70): VU028355.D (-548) (-)
 Ion 57.00 (56.70 to 57.70): VU028355.D (-548) (-)



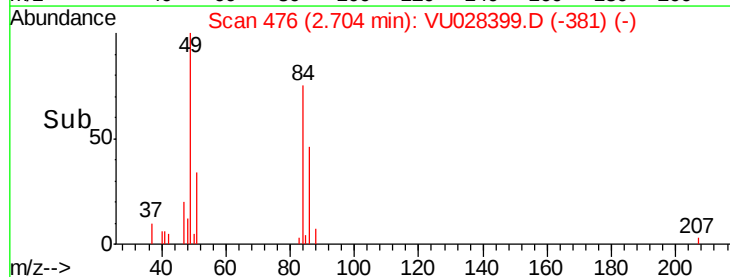
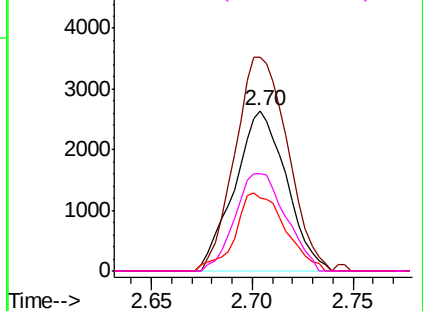
#20

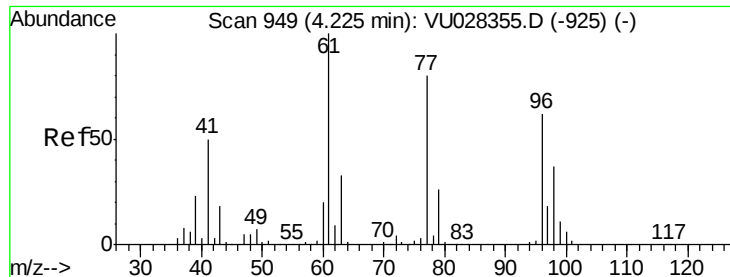
Methylene Chloride
 Concen: 1.216 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: VU028399.D
 Acq: 29 Nov 2018 17:20

Tgt Ion: 84 Resp: 4738
 Ion Ratio Lower Upper
 84 100
 49 133.1 120.0 180.0
 51 45.7 36.9 55.3
 86 61.0 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VU028355.D (-460) (-)
 Ion 48.90 (48.60 to 49.60): VU028355.D (-460) (-)
 Ion 50.90 (50.60 to 51.60): VU028355.D (-460) (-)
 Ion 85.90 (85.60 to 86.60): VU028355.D (-460) (-)

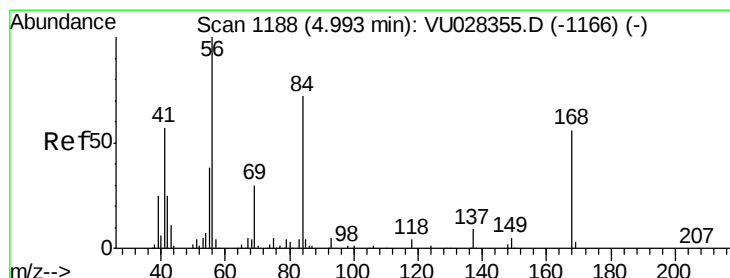
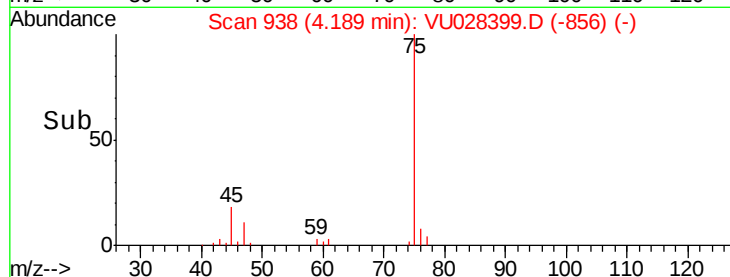
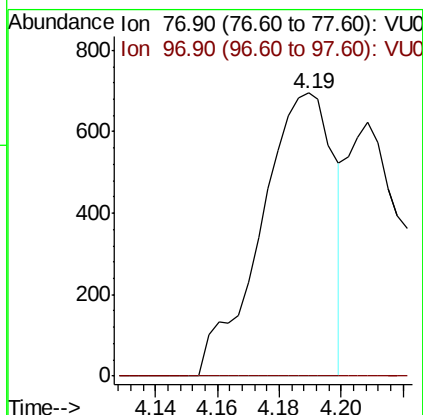
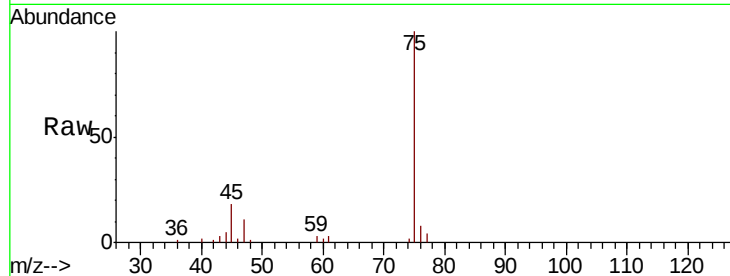




#26
2,2-Dichloropropane
Concen: 0.207 ug/l
RT: 4.19 min Scan# 938
Delta R.T. -0.04 min
Lab File: VU028399.D
Acq: 29 Nov 2018 17:20

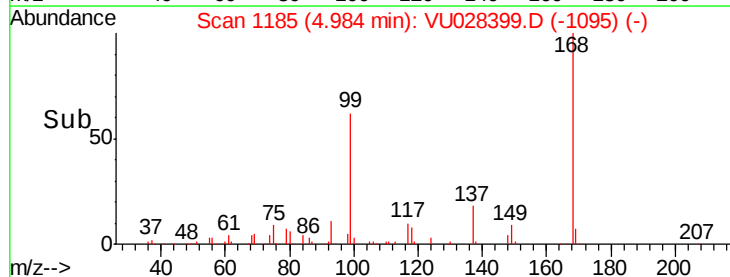
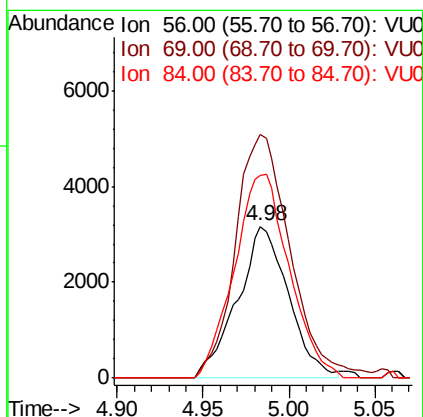
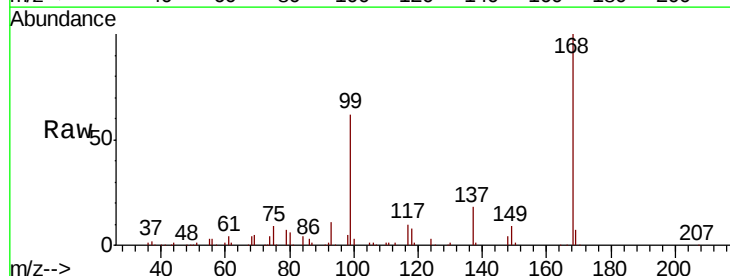
Instrument :
MSVOA_U
ClientSampleId :
MW-6

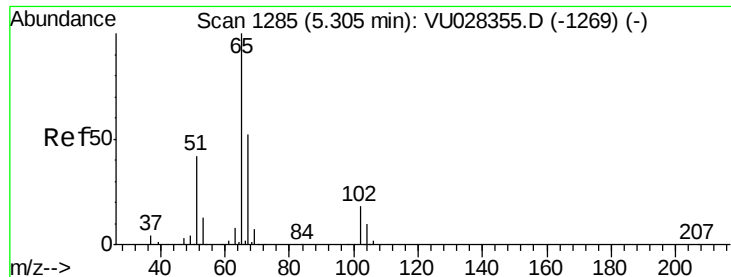
Tot Ion: 77 Resp: 1136
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



#31
Cyclohexane
Concen: 0.542 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028399.D
Acq: 29 Nov 2018 17:20

Tgt Ion: 56 Resp: 6554
Ion Ratio Lower Upper
56 100
69 160.6 23.7 35.5#
84 133.9 57.3 85.9#





#33

1,2-Dichloroethane-d4

Concen: 52.903 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028399.D

Acq: 29 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

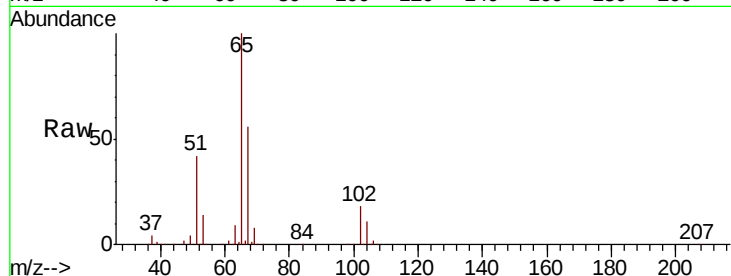
MW-6

Tot Ion: 65 Resp: 225472

Ion Ratio Lower Upper

65 100

67 53.9 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU028355.D (-1269) (-)

Ion 66.90 (66.60 to 67.60): VU028355.D (-1269) (-)

5.31

120000

100000

80000

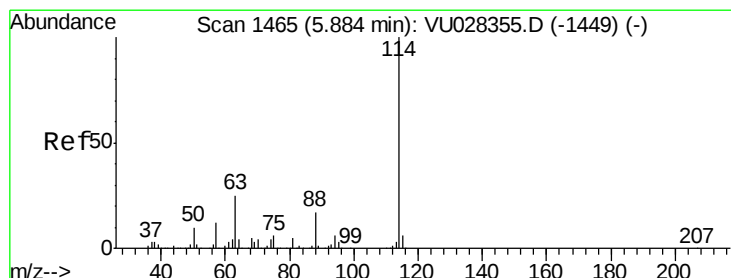
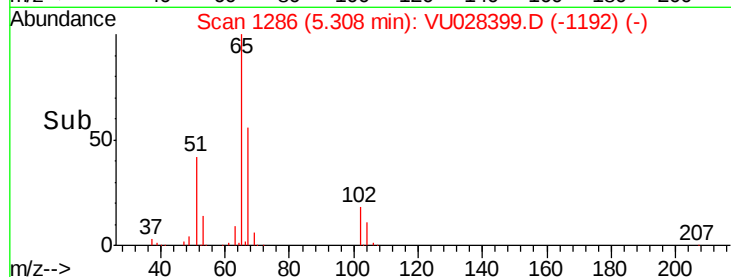
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028399.D

Acq: 29 Nov 2018 17:20

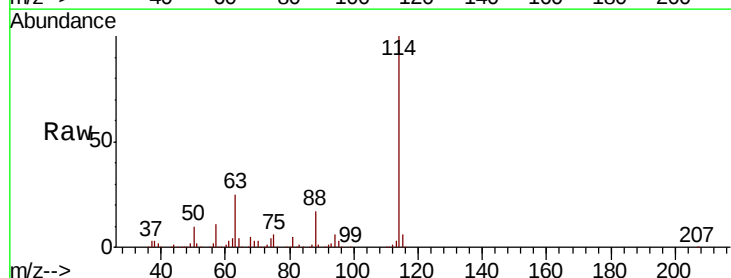
Tgt Ion: 114 Resp: 490163

Ion Ratio Lower Upper

114 100

63 25.0 0.0 50.0

88 17.3 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VU028355.D (-1449) (-)

Ion 63.00 (62.70 to 63.70): VU028355.D (-1449) (-)

Ion 87.90 (87.60 to 88.60): VU028355.D (-1449) (-)

5.89

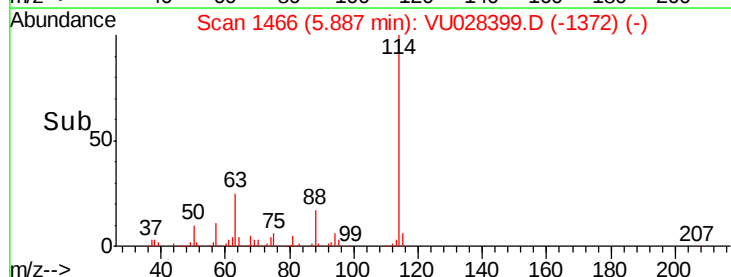
300000

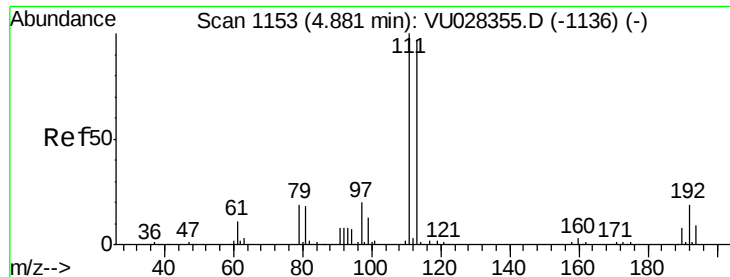
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100000

0

Time-->

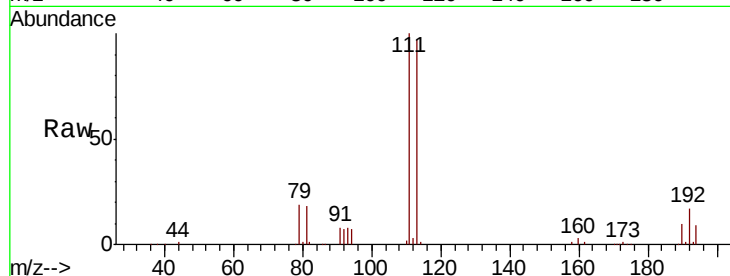




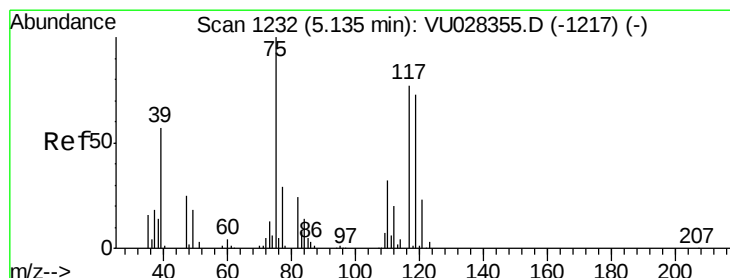
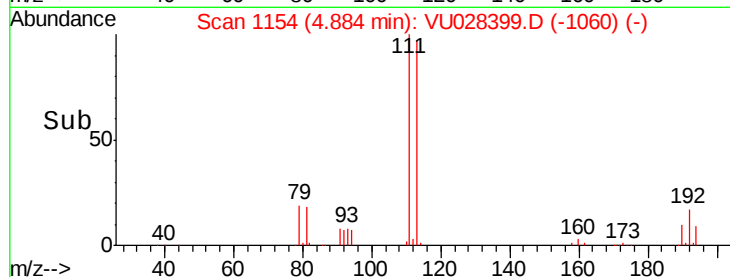
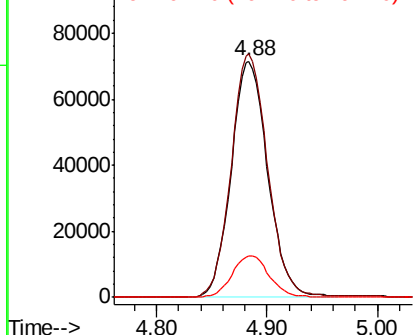
#35
 Dibromofluoromethane
 Concen: 50.490 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028399.D
 Acq: 29 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-6

Tot Ion:113 Resp: 164568
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.9 124.3
 192 18.0 15.4 23.0

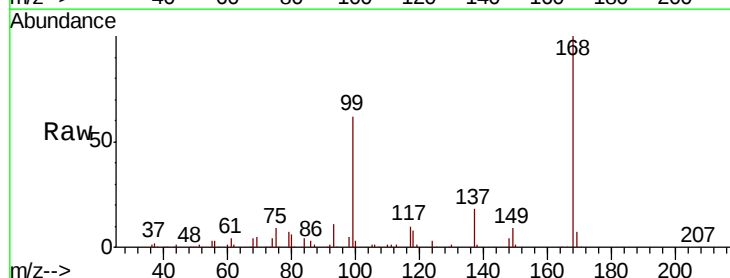


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

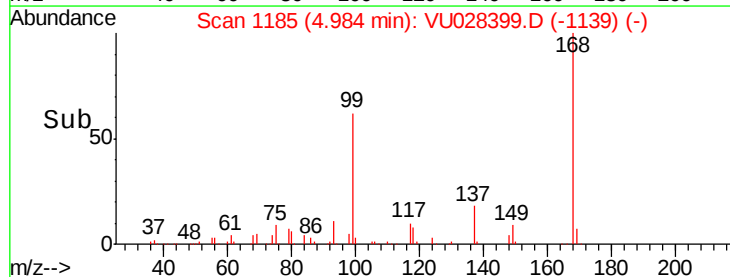
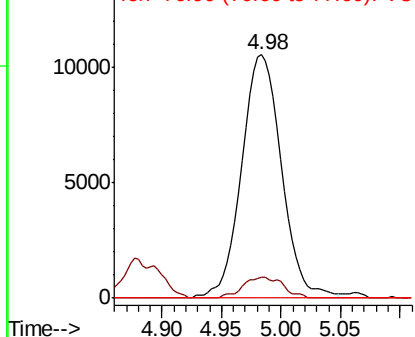


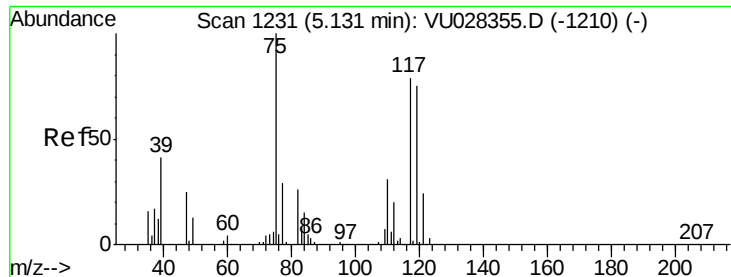
#36
 1,1-Dichloropropene
 Concen: 4.586 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028399.D
 Acq: 29 Nov 2018 17:20

Tgt Ion: 75 Resp: 24597
 Ion Ratio Lower Upper
 75 100
 110 8.6 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: 5.940 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU028399.D

Acq: 29 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

MW-6

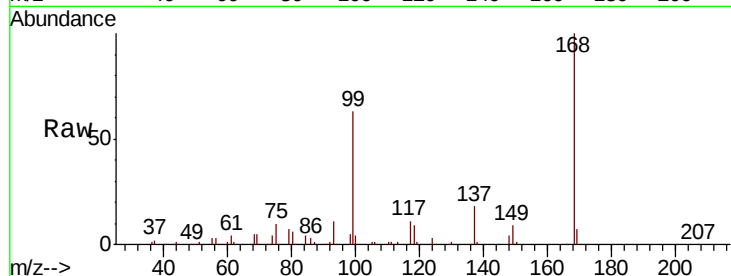
Tot Ion:117 Resp: 26165

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

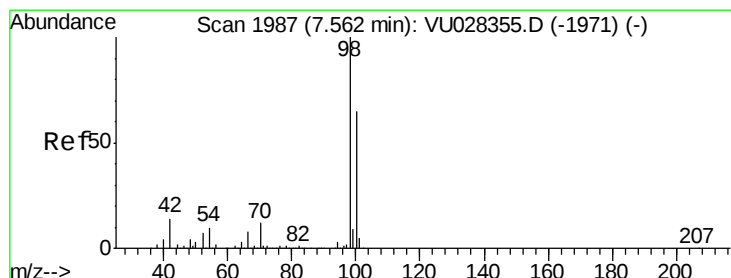
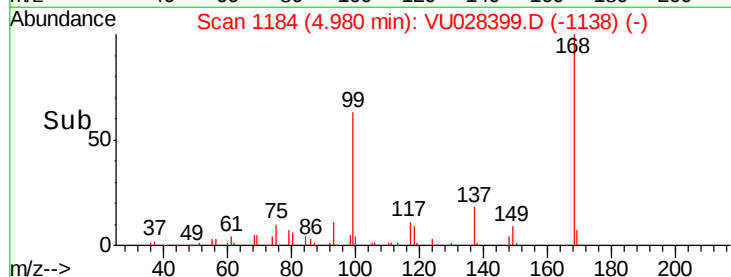
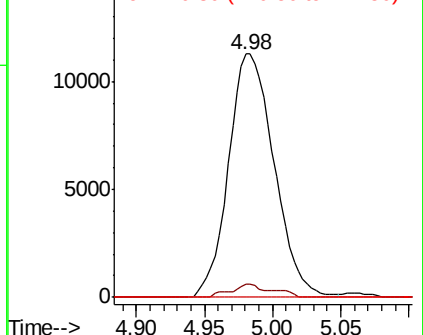
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 49.593 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028399.D

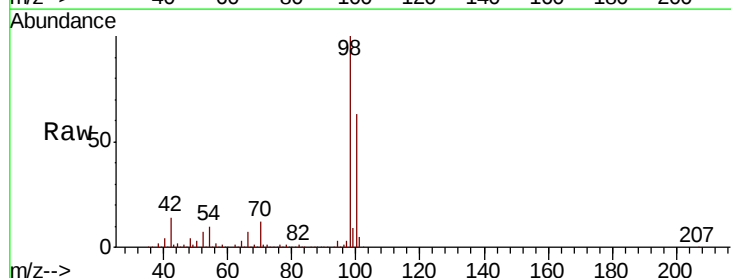
Acq: 29 Nov 2018 17:20

Tgt Ion: 98 Resp: 646453

Ion Ratio Lower Upper

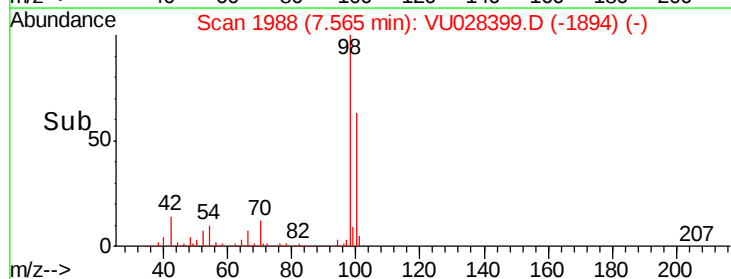
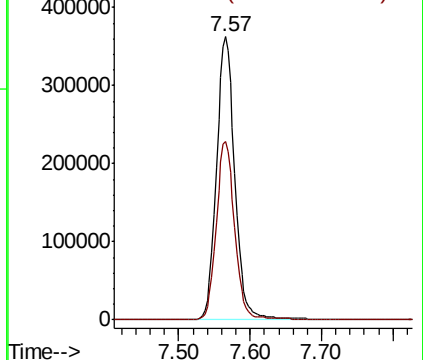
98 100

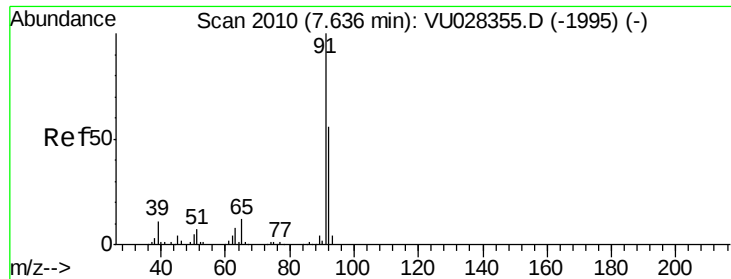
100 63.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#52

Toluene

Concen: 0.570 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028399.D

Acq: 29 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

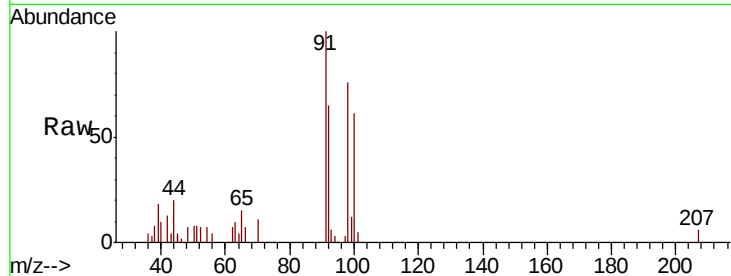
MW-6

Tot Ion: 92 Resp: 5218

Ion Ratio Lower Upper

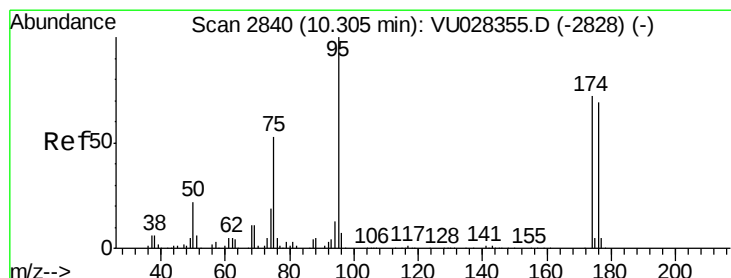
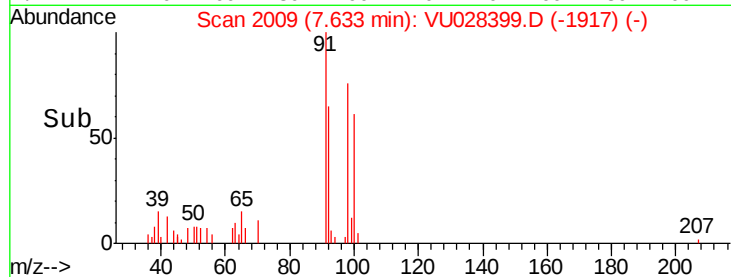
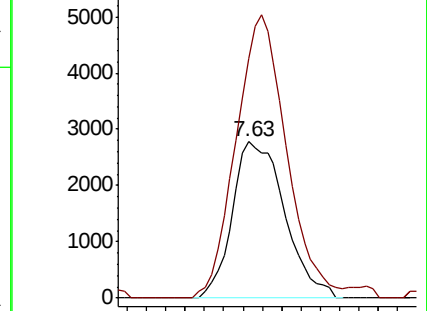
92 100

91 175.0 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 51.433 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028399.D

Acq: 29 Nov 2018 17:20

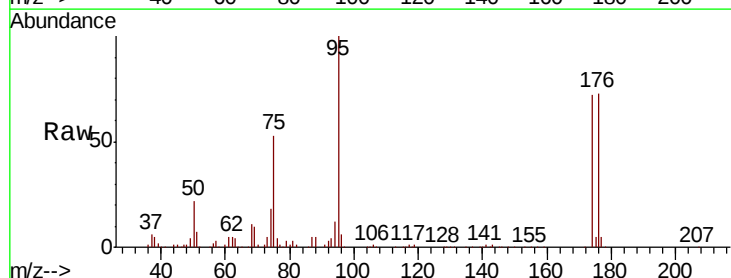
Tgt Ion: 95 Resp: 241648

Ion Ratio Lower Upper

95 100

174 71.8 0.0 145.4

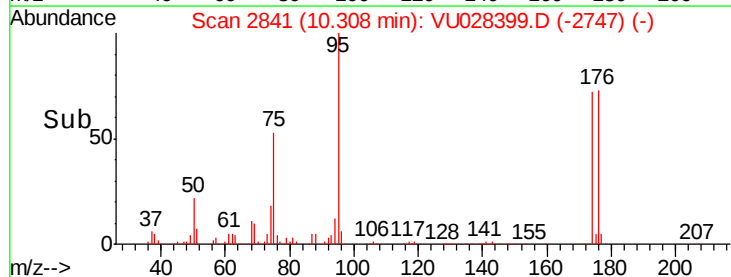
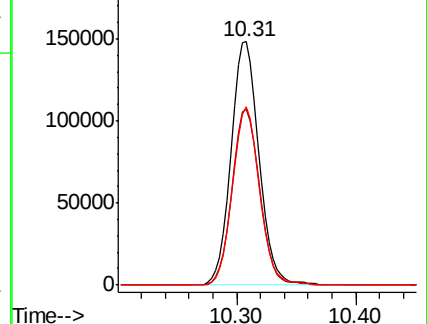
176 71.0 0.0 140.8

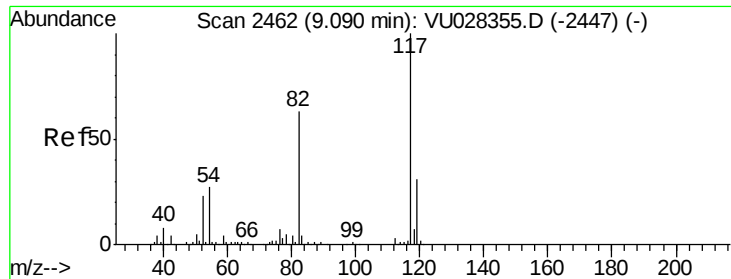


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

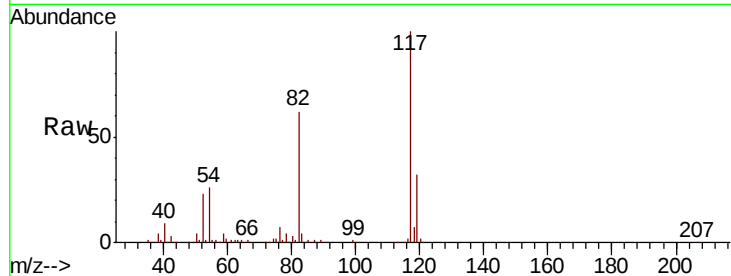




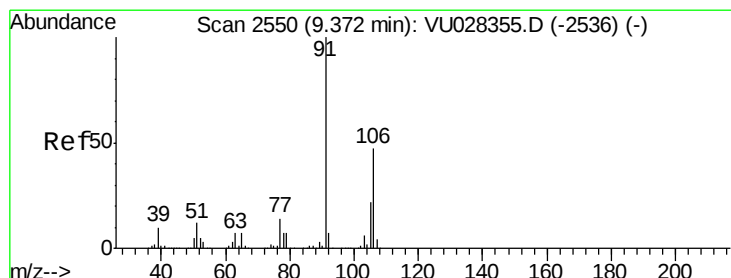
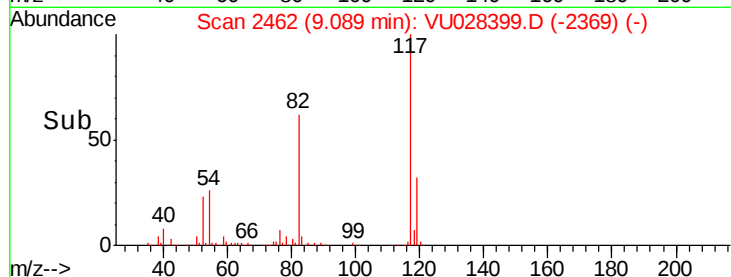
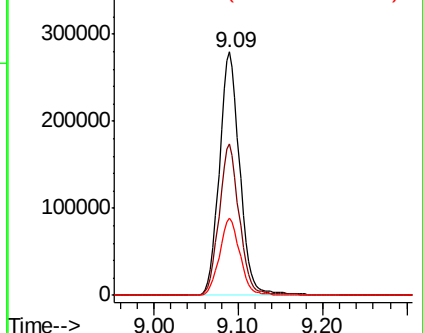
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028399.D
Acq: 29 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
MW-6

Tot Ion:117 Resp: 469736
Ion Ratio Lower Upper
117 100
82 62.0 50.3 75.5
119 31.6 24.8 37.2

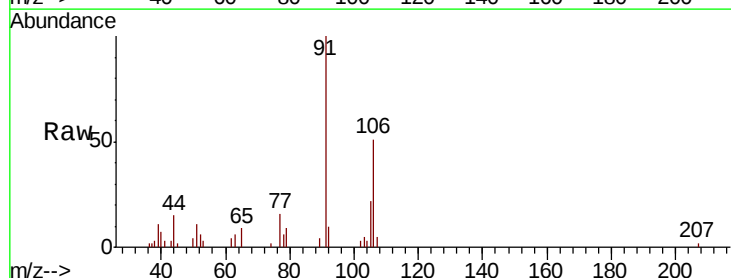


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

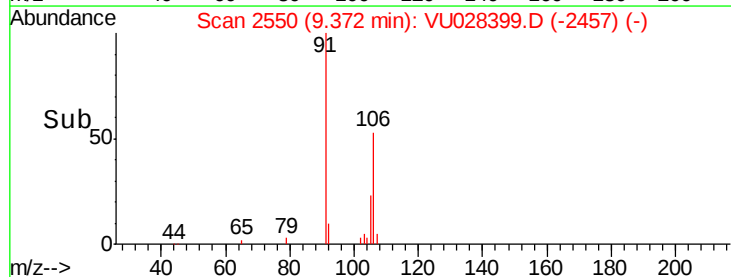
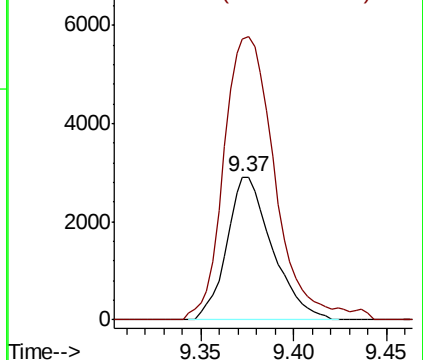


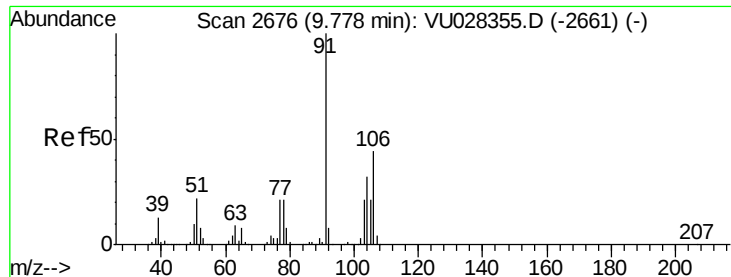
#68
m/p-Xylenes
Concen: 0.750 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028399.D
Acq: 29 Nov 2018 17:20

Tgt Ion:106 Resp: 4959
Ion Ratio Lower Upper
106 100
91 223.8 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

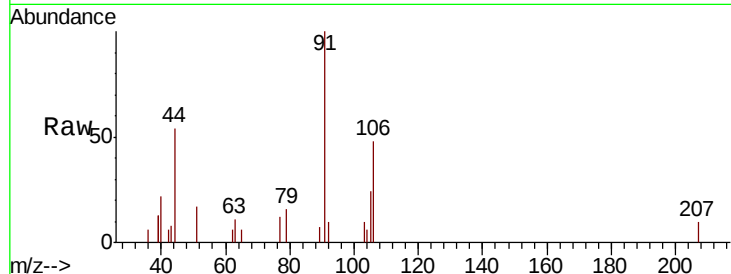




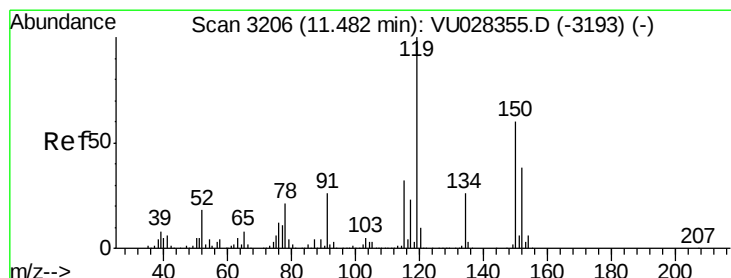
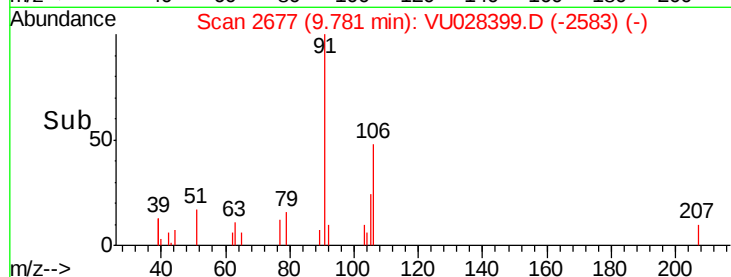
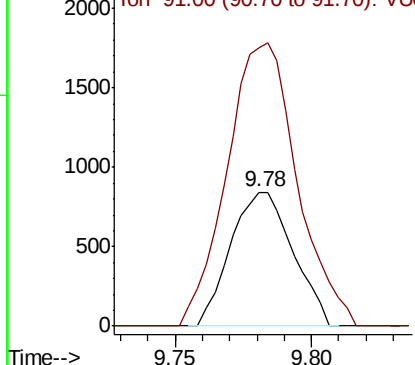
#69
o-Xylene
Concen: 0.204 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028399.D
Acq: 29 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampled :
MW-6

Tot Ion:106 Resp: 1339
Ion Ratio Lower Upper
106 100
91 237.3 112.7 338.0

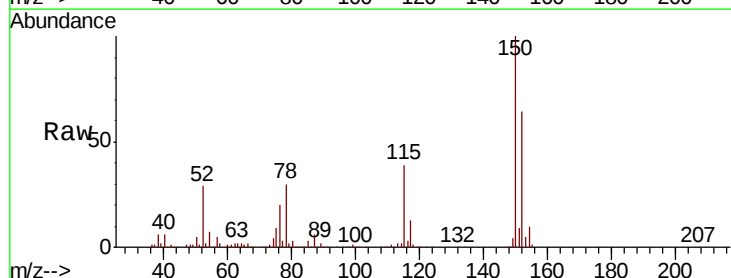


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

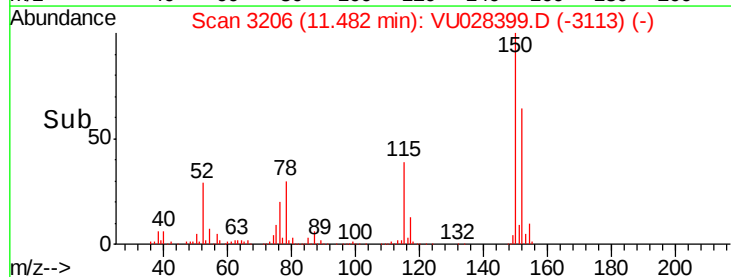
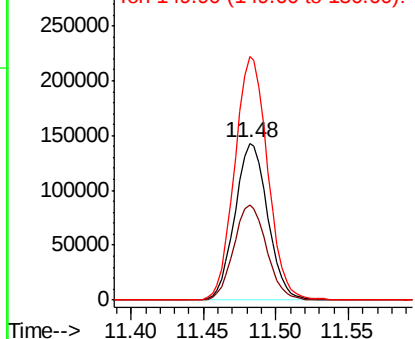


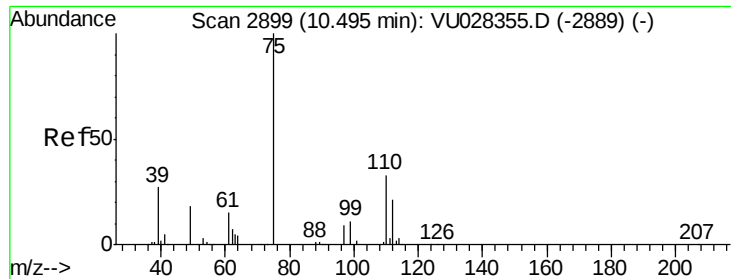
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028399.D
Acq: 29 Nov 2018 17:20

Tgt Ion:152 Resp: 225994
Ion Ratio Lower Upper
152 100
115 60.7 45.0 134.8
150 155.6 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: 20.701 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028399.D

Acq: 29 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

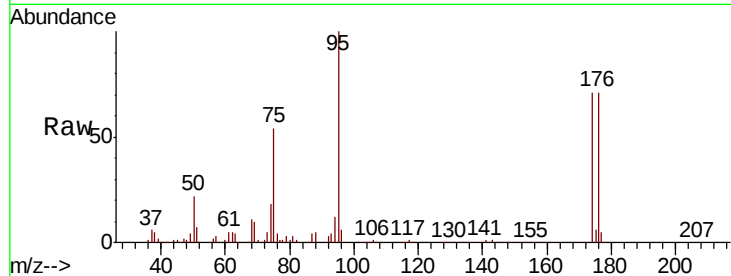
MW-6

Tot Ion: 75 Resp: 129736

Ion Ratio Lower Upper

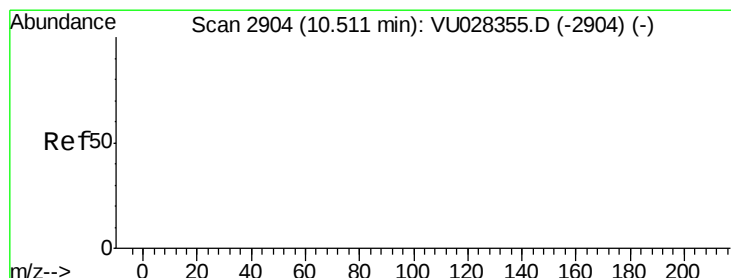
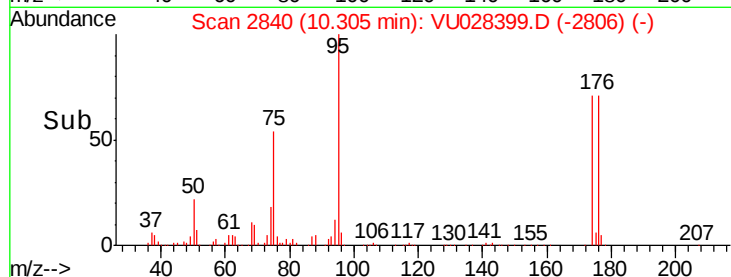
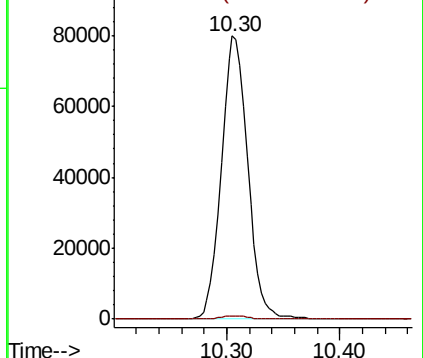
75 100

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: 54.952 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028399.D

Acq: 29 Nov 2018 17:20

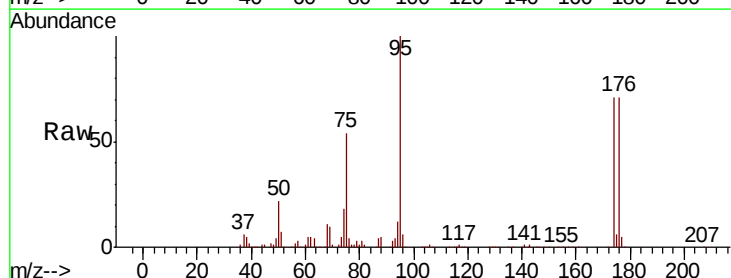
Tgt Ion: 75 Resp: 129736

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

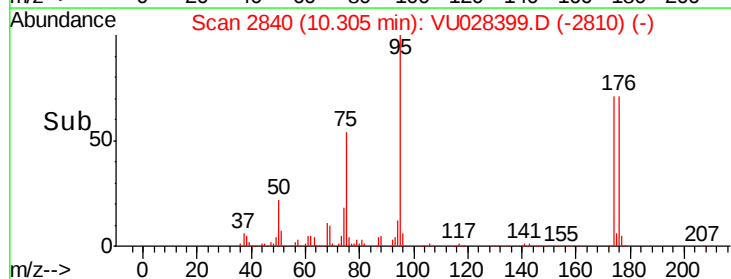
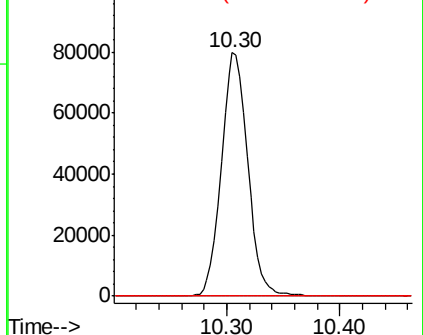
89 0.0 0.0 0.0

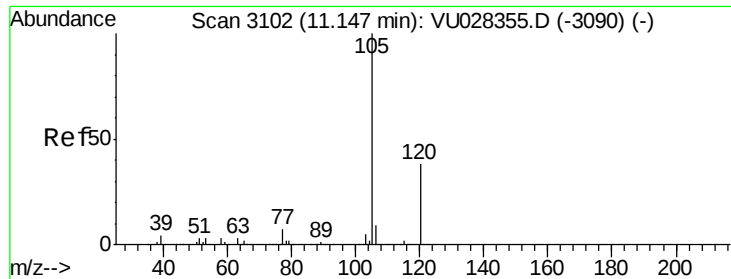


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

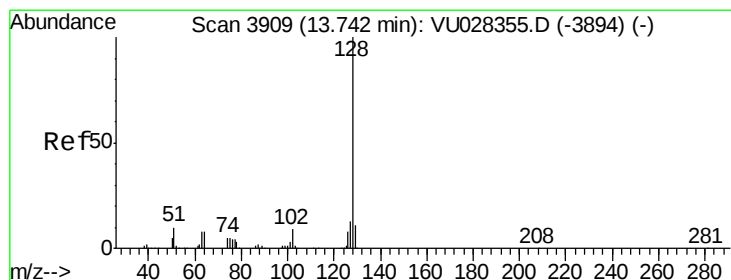
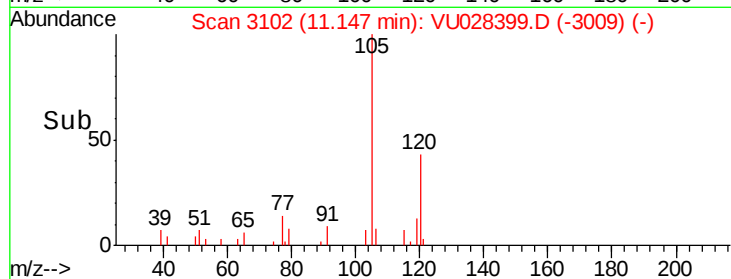
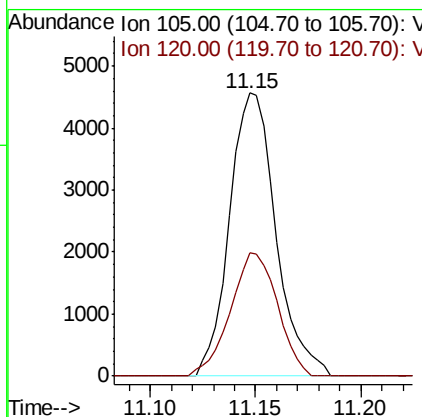
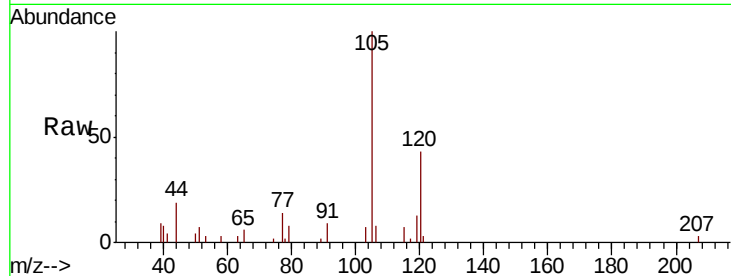




#84
 1,2,4-Trimethylbenzene
 Concen: 0.464 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028399.D
 Acq: 29 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampled :
 MW-6

Tot Ion:105 Resp: 6967
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.4 64.3



#95
 Naphthalene
 Concen: 3.357 ug/l
 RT: 13.75 min Scan# 3912
 Delta R.T. 0.01 min
 Lab File: VU028399.D
 Acq: 29 Nov 2018 17:20

Tgt Ion:128 Resp: 10515
 Ion Ratio Lower Upper
 128 100
 127 11.6 10.6 15.8
 129 10.2 8.6 12.8

