

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120318\
 Data File : VU028451.D
 Acq On : 03 Dec 2018 19:01
 Operator : MD/SY
 Sample : J6149-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OWS-2

Quant Time: Dec 04 07:52:37 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	4.99	168	296292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	552857	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	535010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	259409	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	247679	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	4.88	113	184081	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	7.57	98	726526	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	10.30	95	273323	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

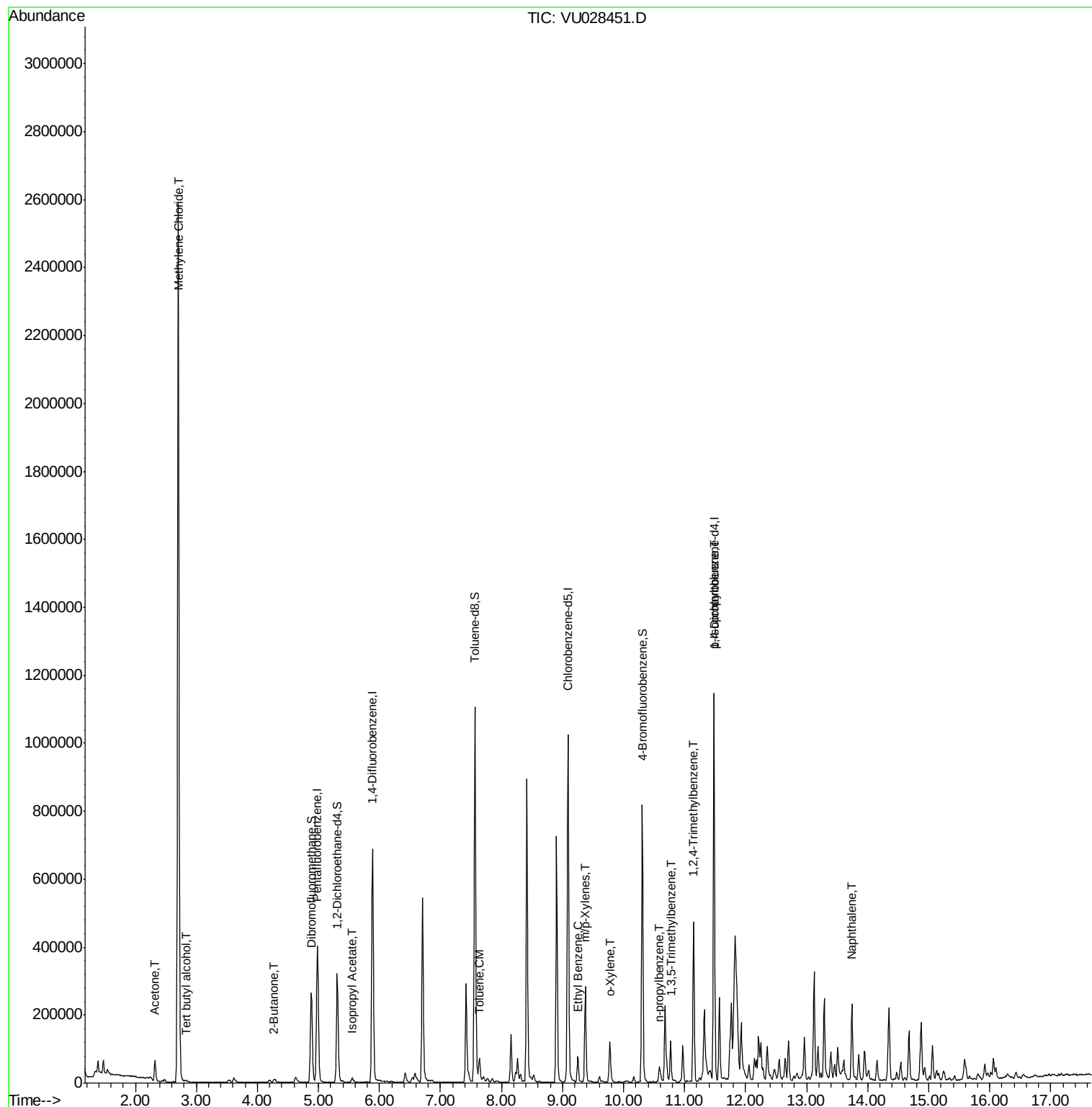
					Qvalue
11) Tert butyl alcohol	2.83	59	4366	3.881 ug/l #	90
16) Acetone	2.32	43	68083	22.476 ug/l	97
20) Methylene Chloride	2.70	84	1063764	249.277 ug/l	94
25) 2-Butanone	4.27	43	18724	4.313 ug/l	99
43) Isopropyl Acetate	5.55	43	17401	1.332 ug/l	96
52) Toluene	7.64	92	26342	2.553 ug/l	97
67) Ethyl Benzene	9.25	91	54890	2.623 ug/l	98
68) m/p-Xylenes	9.37	106	77144	10.244 ug/l	96
69) o-Xylene	9.78	106	25219	3.369 ug/l	100
78) n-propylbenzene	10.59	91	32328	1.299 ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	63154	3.715 ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	251398	14.598 ug/l	100
86) p-Isopropyltoluene	11.48	119	31818	1.880 ug/l	95
95) Naphthalene	13.74	128	170296	10.193 ug/l	99

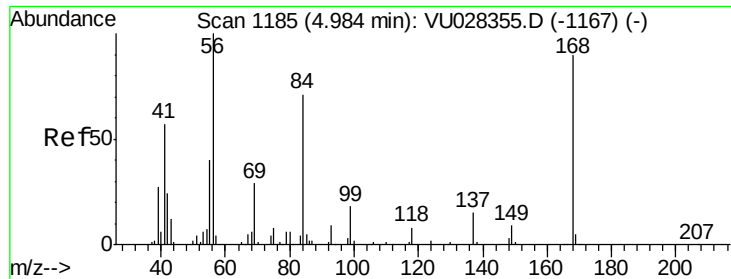
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

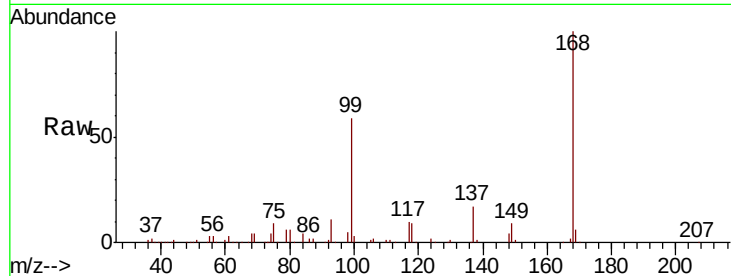
OWS-2

Tot Ion:168 Resp: 296292

Ion Ratio Lower Upper

168 100

99 59.2 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

4.99

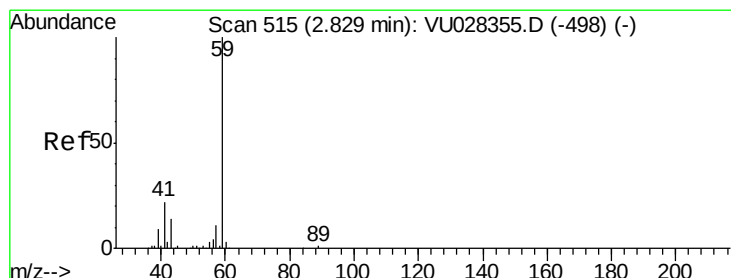
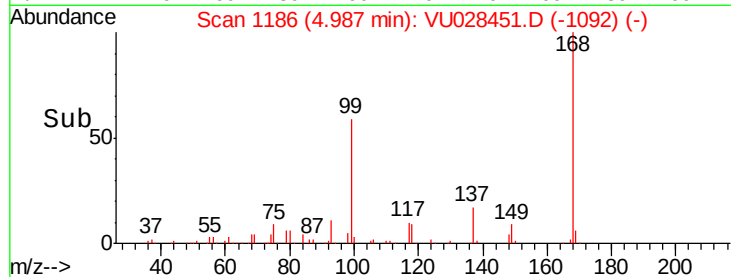
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.881 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU028451.D

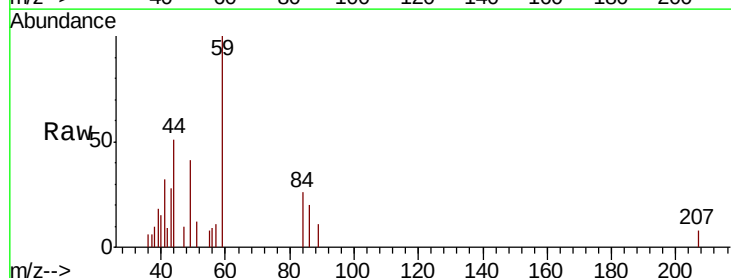
Acq: 03 Dec 2018 19:01

Tgt Ion: 59 Resp: 4366

Ion Ratio Lower Upper

59 100

57 6.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

2000

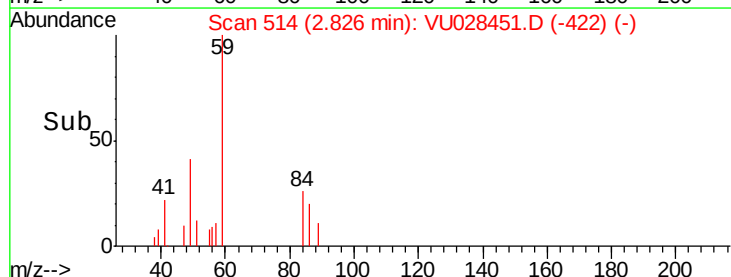
1500

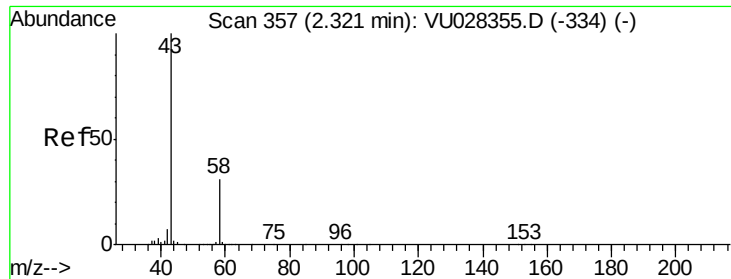
1000

500

0

Time-->

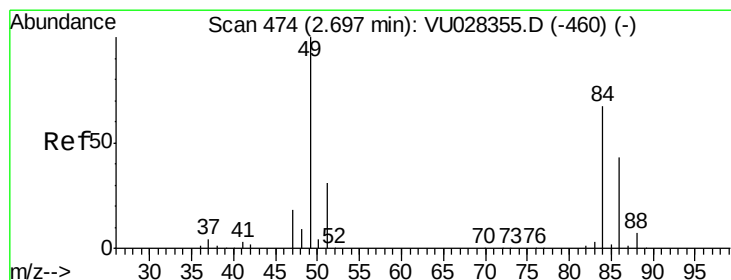
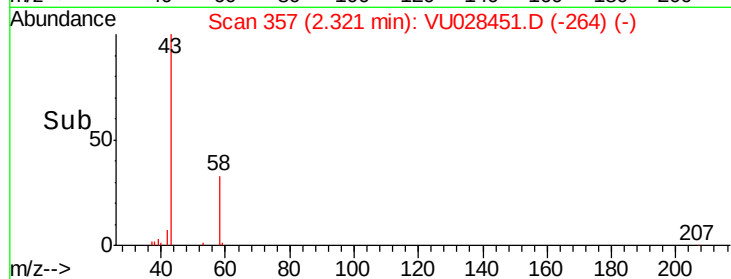
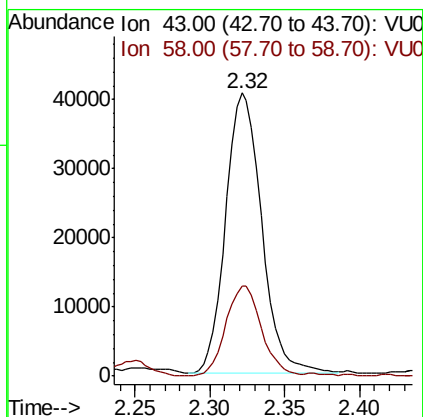
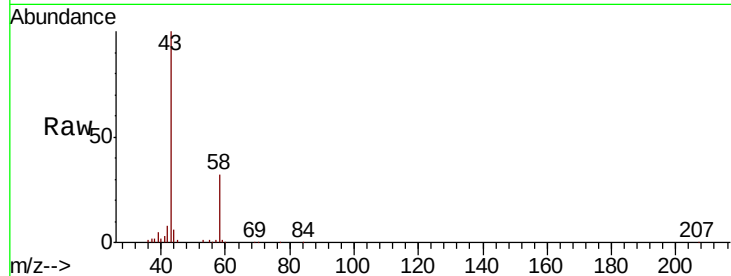




#16
Acetone
Concen: 22.476 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

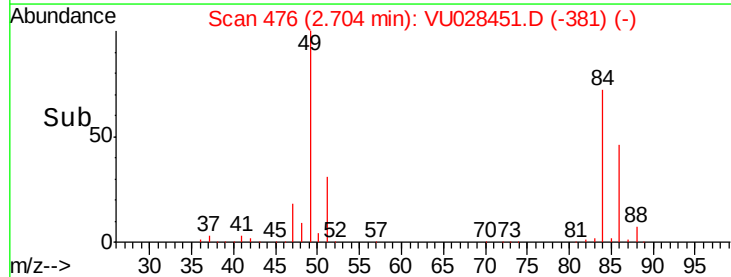
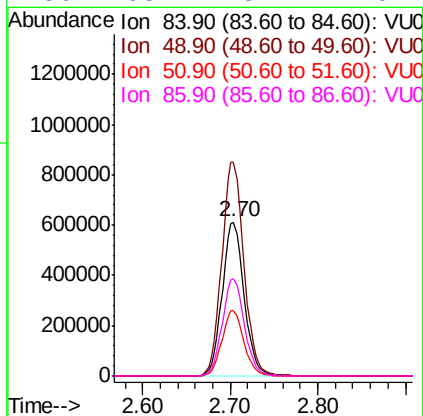
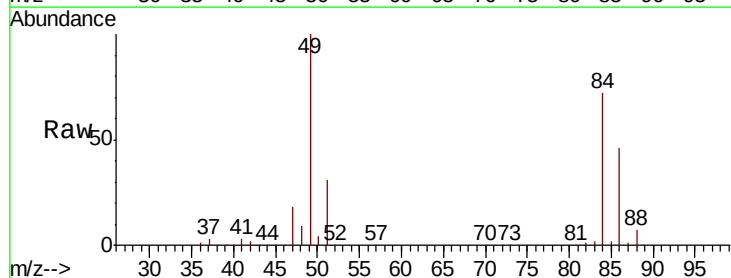
Instrument :
MSVOA_U
ClientSampleId :
OWS-2

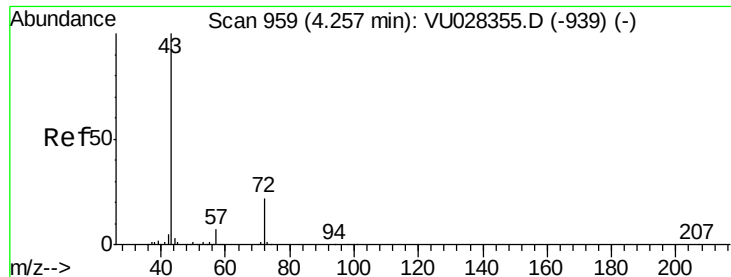
Tot Ion: 43 Resp: 68083
Ion Ratio Lower Upper
43 100
58 32.3 24.4 36.6



#20
Methylene Chloride
Concen: 249.277 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion: 84 Resp: 1063764
Ion Ratio Lower Upper
84 100
49 138.7 120.0 180.0
51 42.4 36.9 55.3
86 63.4 51.1 76.7

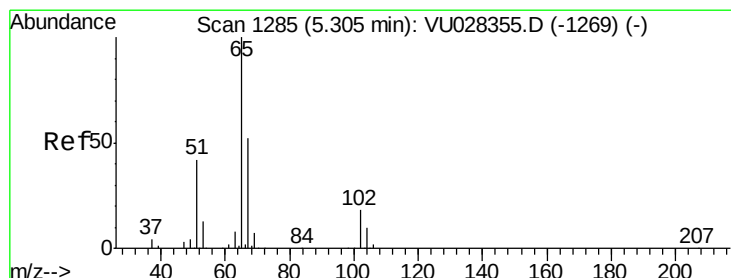
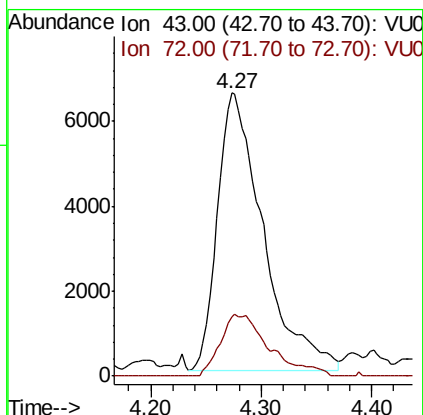
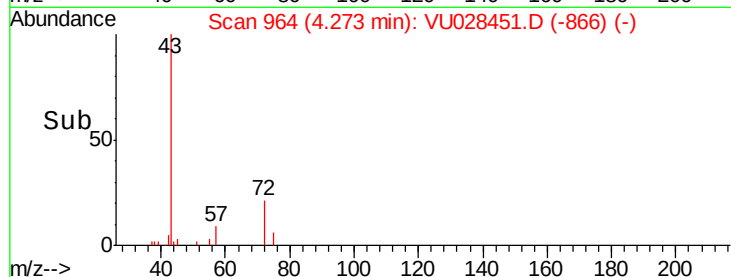
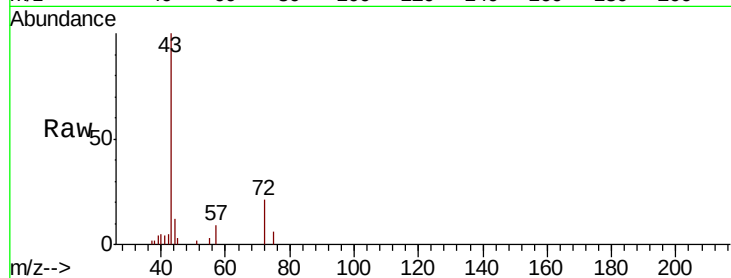




#25
2-Butanone
Concen: 4.313 ug/l
RT: 4.27 min Scan# 964
Delta R.T. 0.02 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

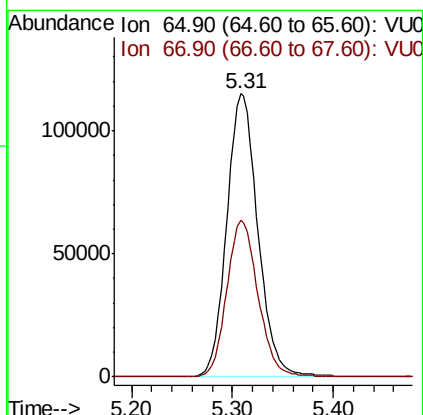
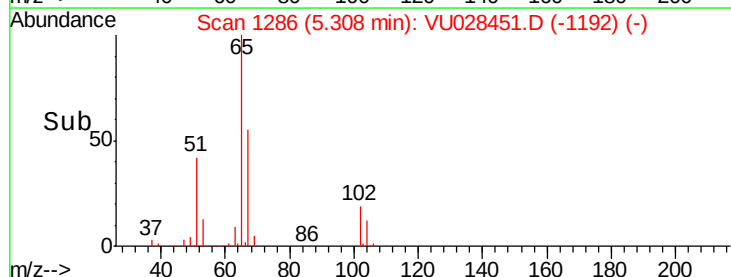
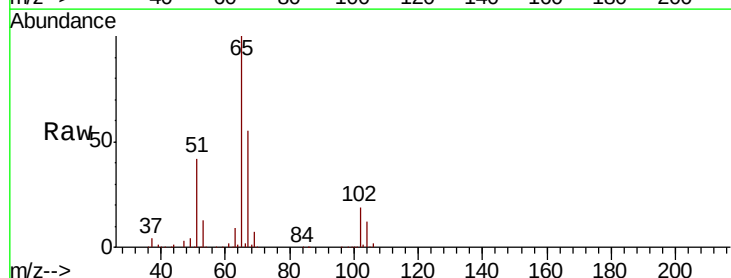
Instrument :
MSVOA_U
ClientSampleId :
OWS-2

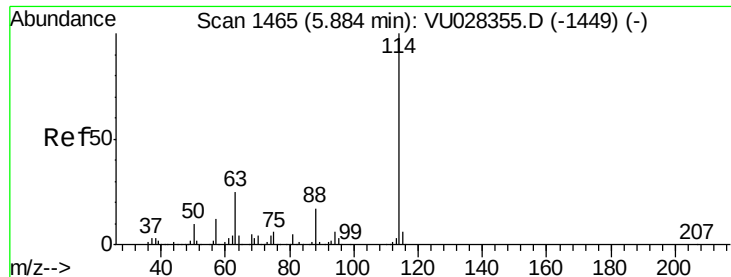
Tot Ion: 43 Resp: 18724
Ion Ratio Lower Upper
43 100
72 21.5 17.7 26.5



#33
1,2-Dichloroethane-d4
Concen: 50.018 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion: 65 Resp: 247679
Ion Ratio Lower Upper
65 100
67 55.4 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: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

OVS-2

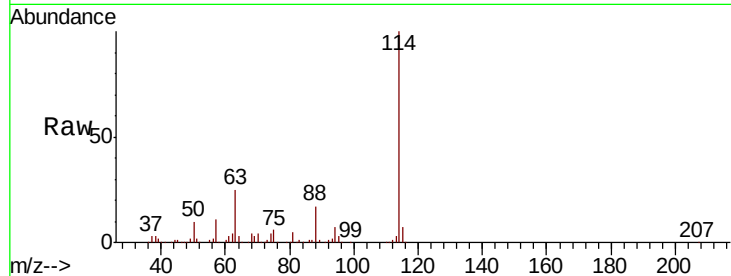
Tot Ion:114 Resp: 552857

Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.0

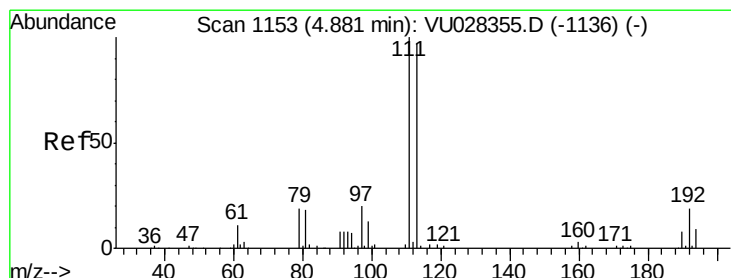
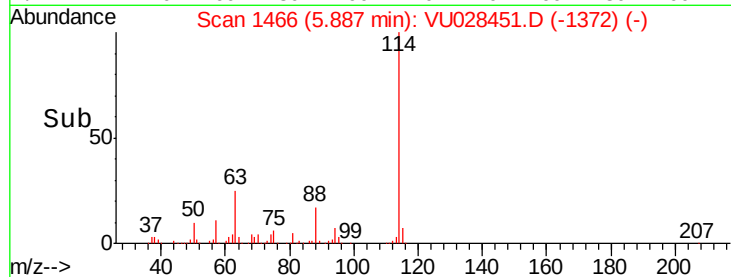
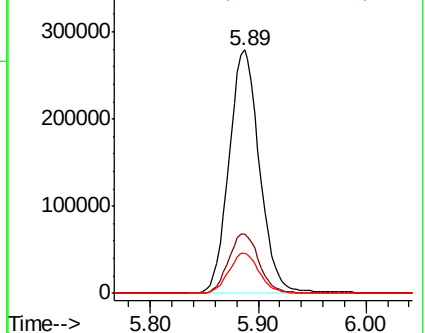
88 16.6 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 50.073 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

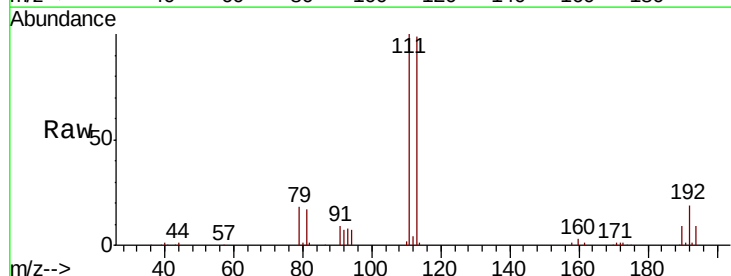
Tgt Ion:113 Resp: 184081

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

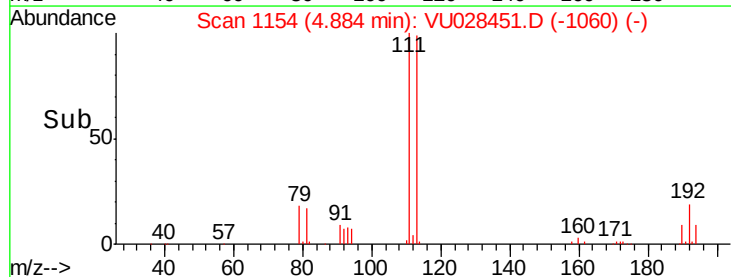
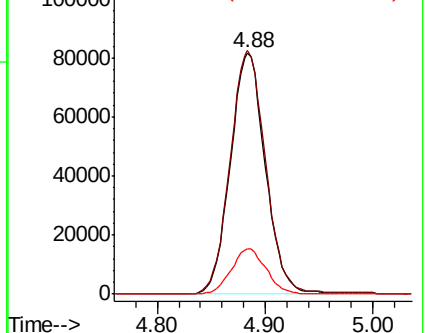
192 18.7 15.4 23.0

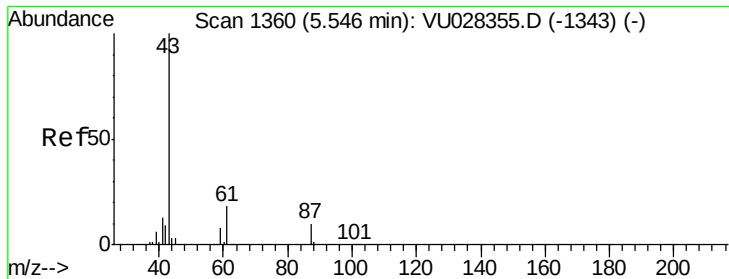


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 1.332 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

OWS-2

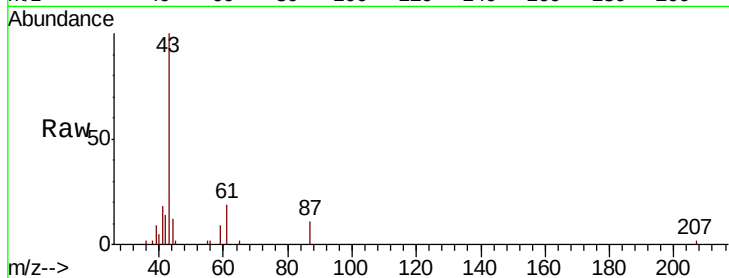
Tot Ion: 43 Resp: 17401

Ion Ratio Lower Upper

43 100

61 20.4 14.5 21.7

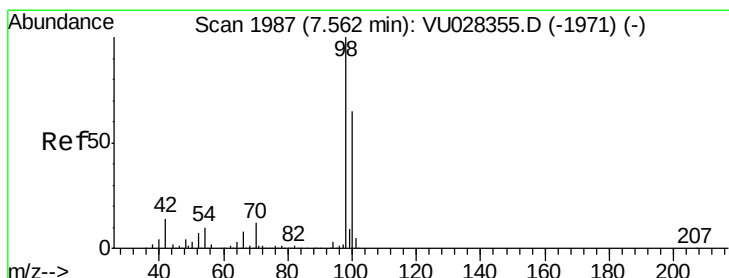
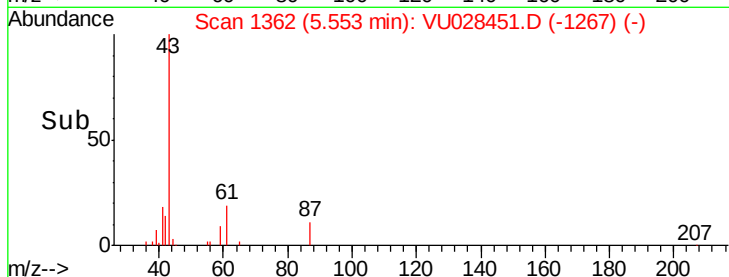
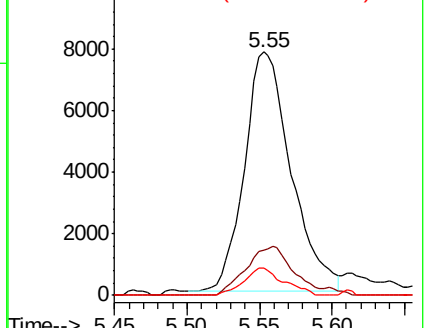
87 9.7 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#50

Toluene-d8

Concen: 49.415 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028451.D

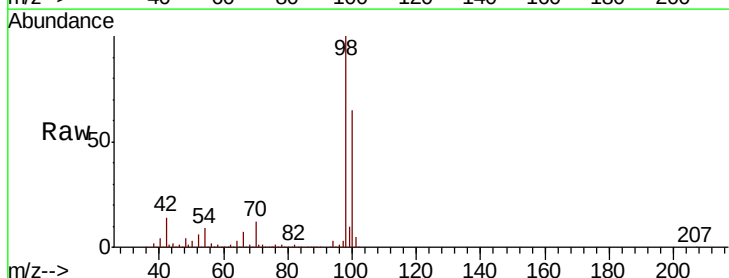
Acq: 03 Dec 2018 19:01

Tgt Ion: 98 Resp: 726526

Ion Ratio Lower Upper

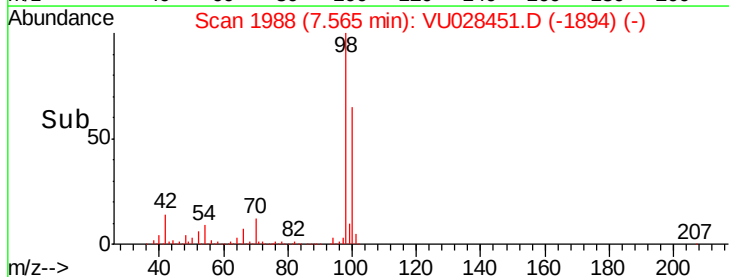
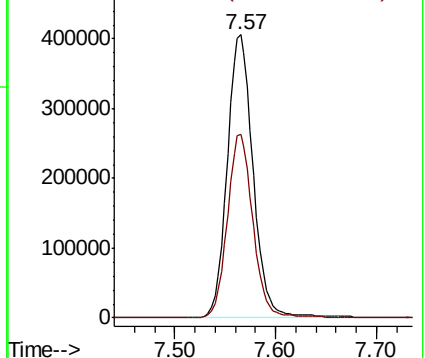
98 100

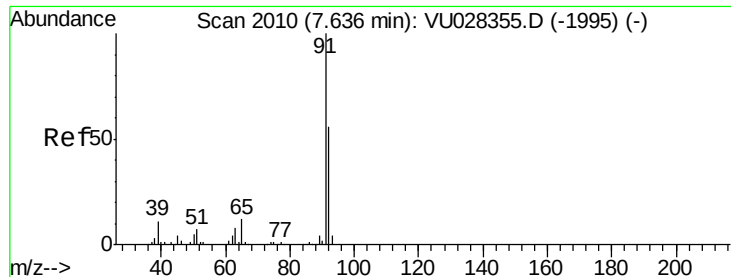
100 64.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 2.553 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampled :

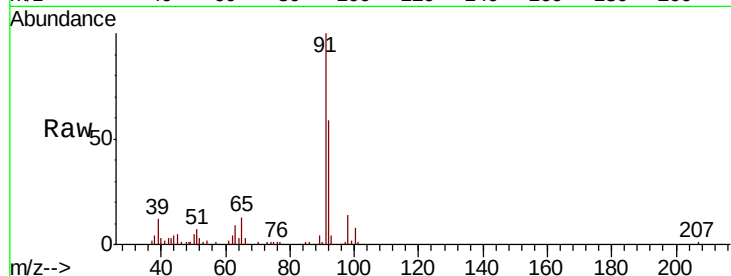
OWS-2

Tot Ion: 92 Resp: 26342

Ion Ratio Lower Upper

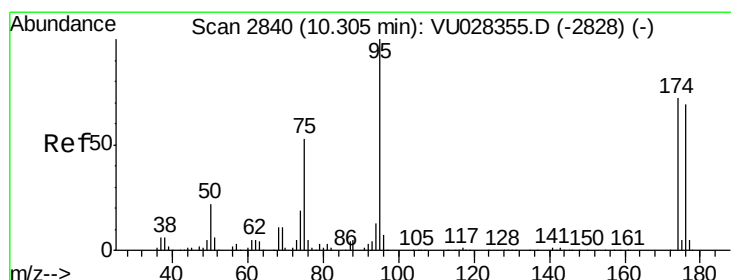
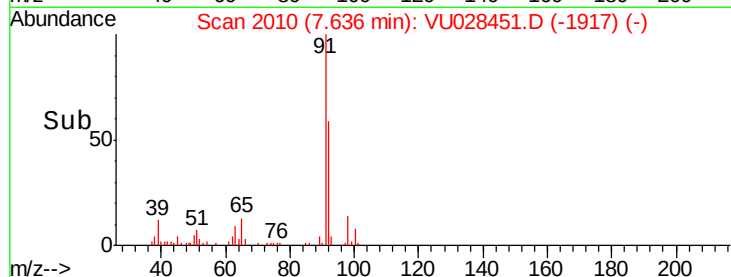
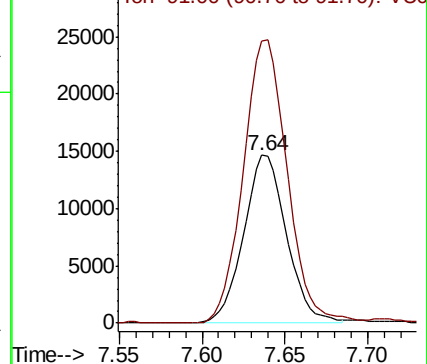
92 100

91 173.0 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 51.578 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

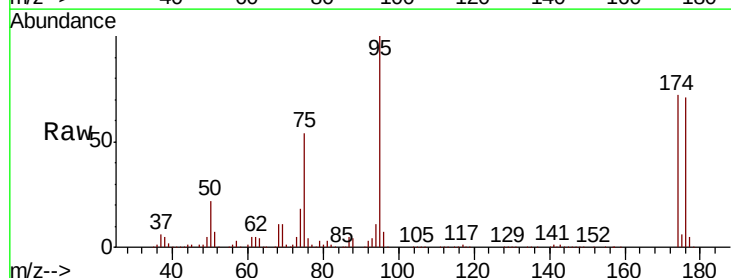
Tgt Ion: 95 Resp: 273323

Ion Ratio Lower Upper

95 100

174 73.5 0.0 145.4

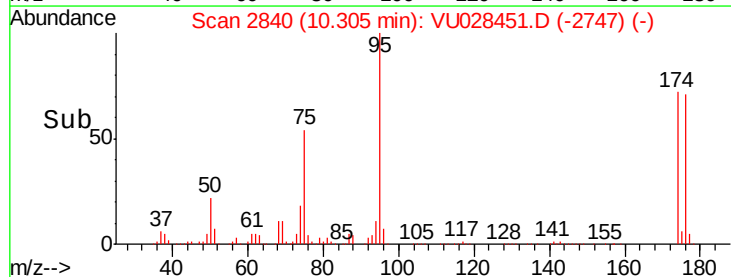
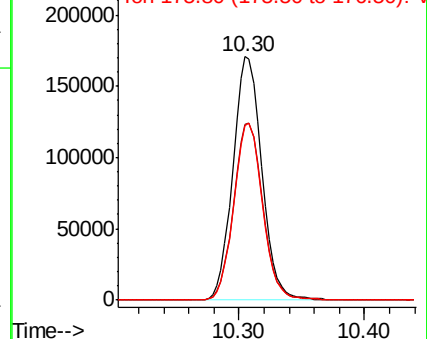
176 72.3 0.0 140.8

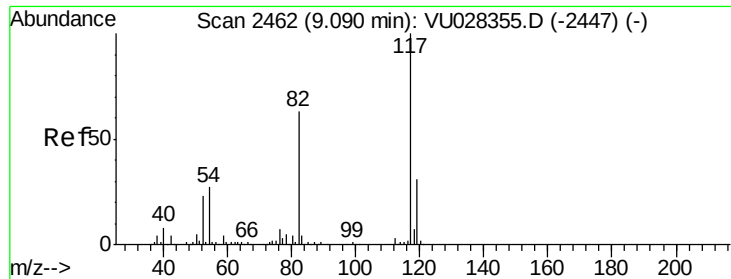


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

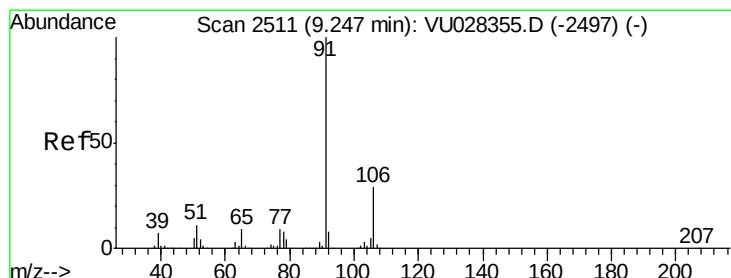
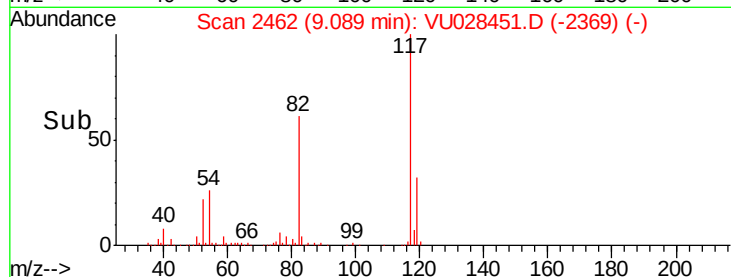
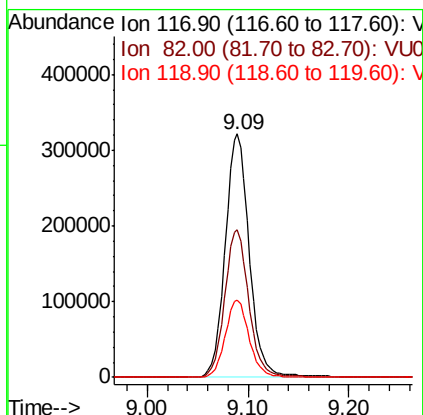
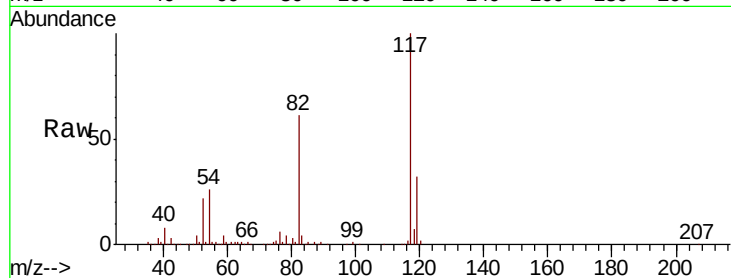




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

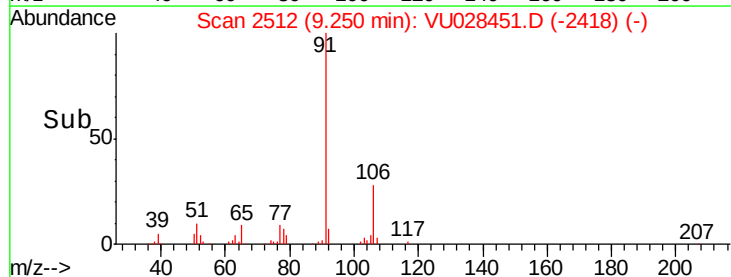
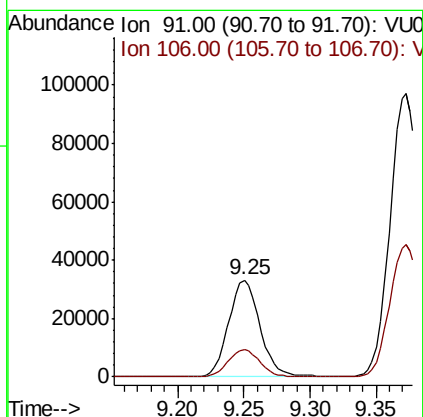
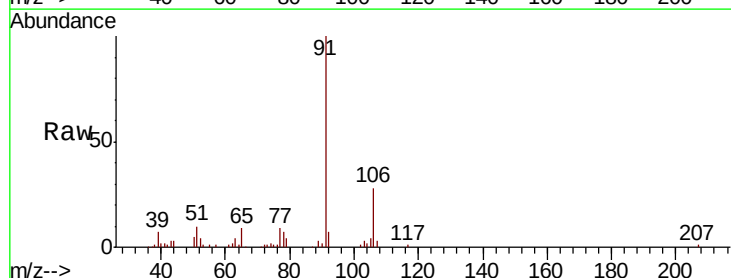
Instrument :
MSVOA_U
ClientSampleId :
OWS-2

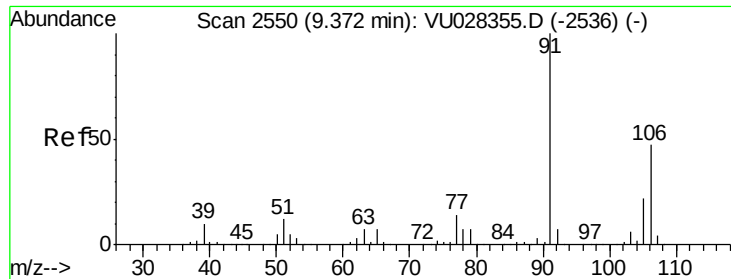
Tot Ion:117 Resp: 535010
Ion Ratio Lower Upper
117 100
82 60.6 50.3 75.5
119 31.9 24.8 37.2



#67
Ethyl Benzene
Concen: 2.623 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion: 91 Resp: 54890
Ion Ratio Lower Upper
91 100
106 27.8 23.3 34.9

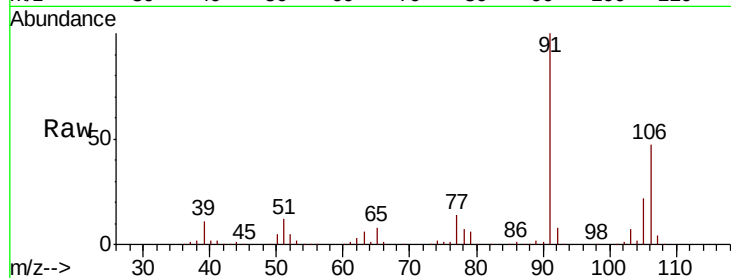




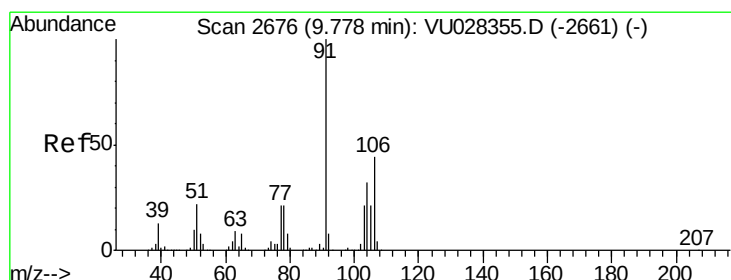
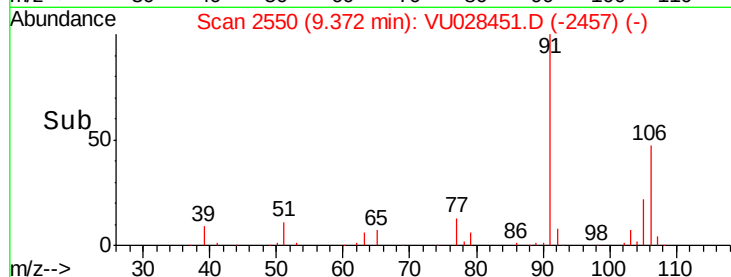
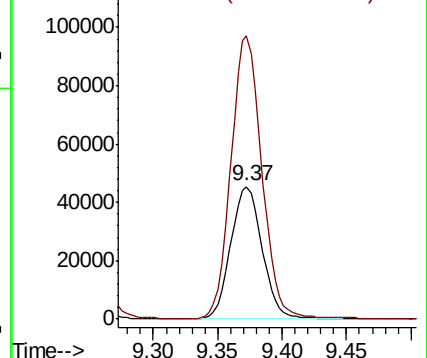
#68
m/p-Xylenes
Concen: 10.244 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Instrument :
MSVOA_U
ClientSampleId :
OWS-2

Tot Ion:106 Resp: 77144
Ion Ratio Lower Upper
106 100
91 207.5 171.0 256.6

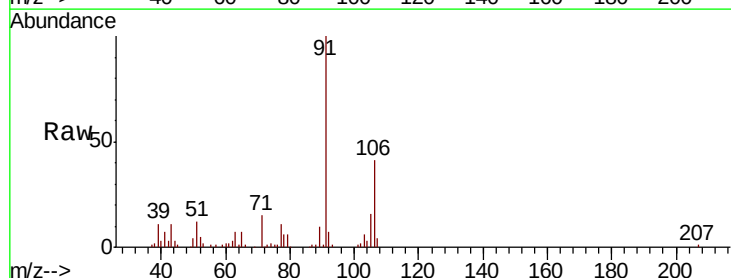


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

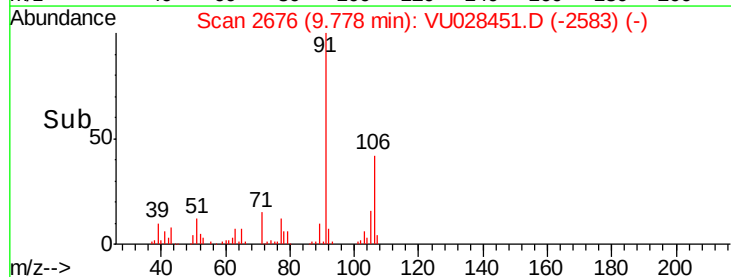
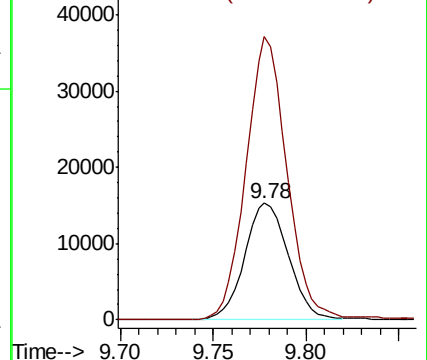


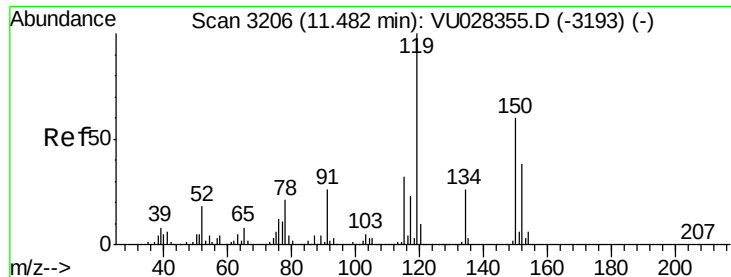
#69
o-Xylene
Concen: 3.369 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028451.D
Acq: 03 Dec 2018 19:01

Tgt Ion:106 Resp: 25219
Ion Ratio Lower Upper
106 100
91 225.5 112.7 338.0



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: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

OWS-2

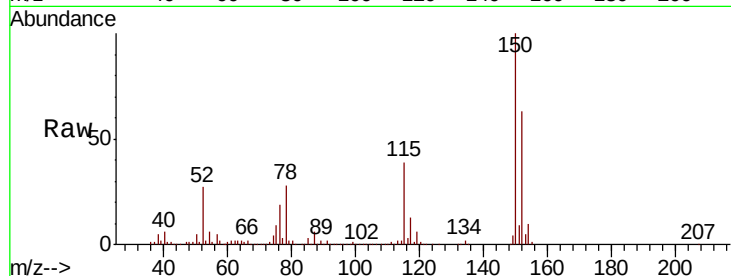
Tot Ion:152 Resp: 259409

Ion Ratio Lower Upper

152 100

115 61.2 45.0 134.8

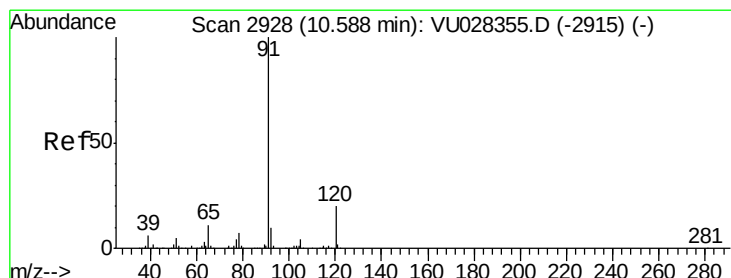
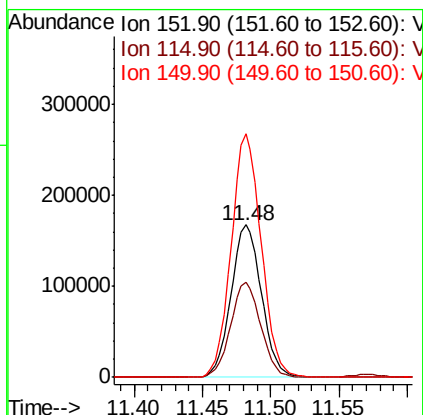
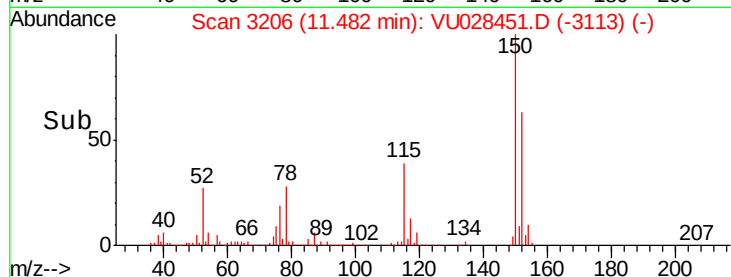
150 157.6 0.0 349.2



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



#78

n-propylbenzene

Concen: 1.299 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028451.D

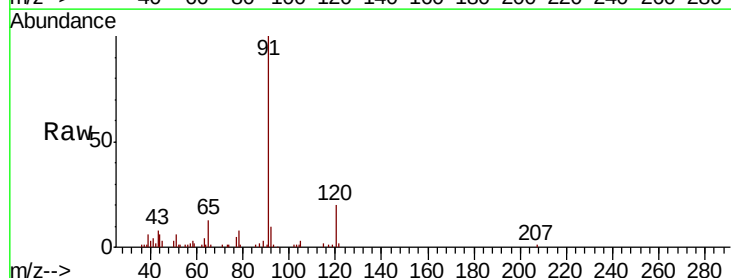
Acq: 03 Dec 2018 19:01

Tgt Ion: 91 Resp: 32328

Ion Ratio Lower Upper

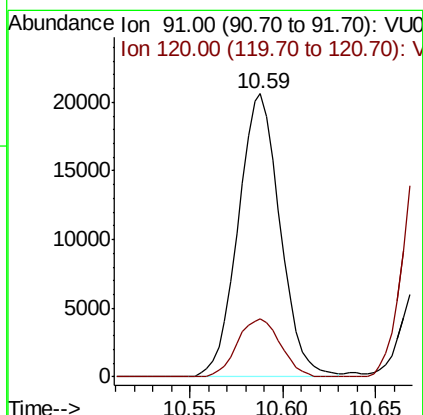
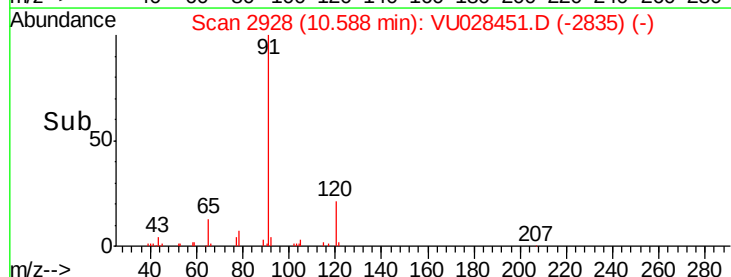
91 100

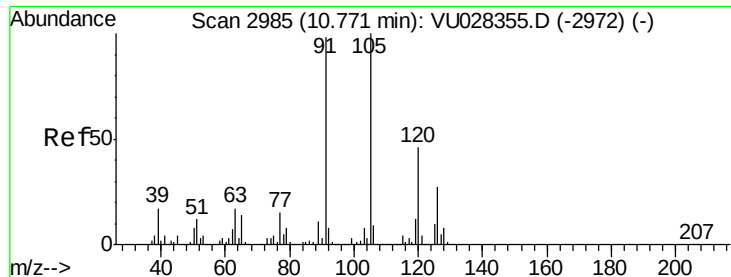
120 21.0 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 3.715 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028451.D

Acq: 03 Dec 2018 19:01

Instrument :

MSVOA_U

ClientSampleId :

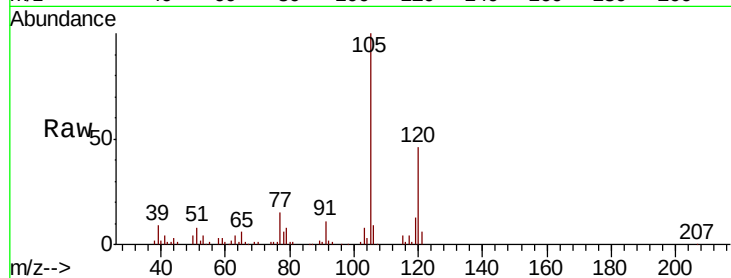
OWS-2

Tot Ion:105 Resp: 63154

Ion Ratio Lower Upper

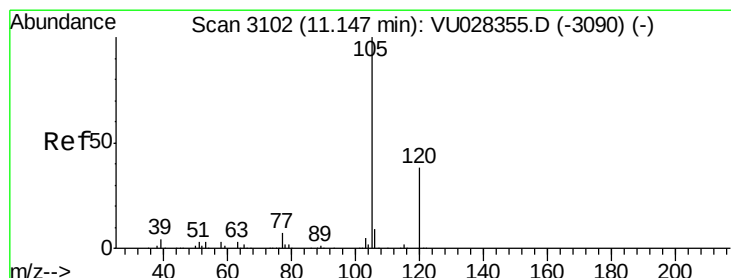
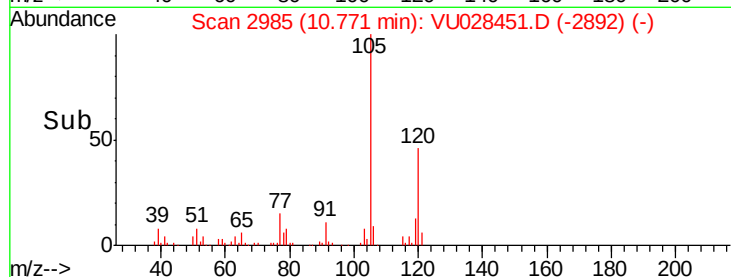
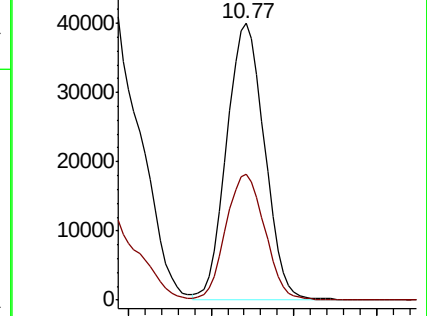
105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 14.598 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU028451.D

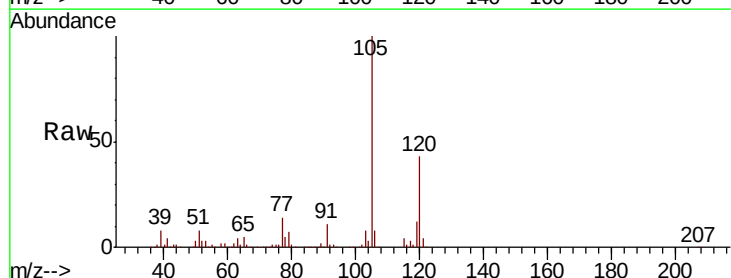
Acq: 03 Dec 2018 19:01

Tgt Ion:105 Resp: 251398

Ion Ratio Lower Upper

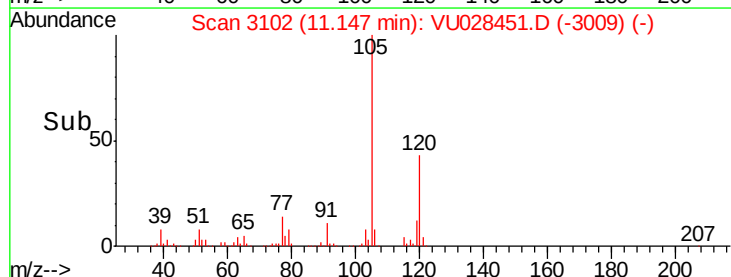
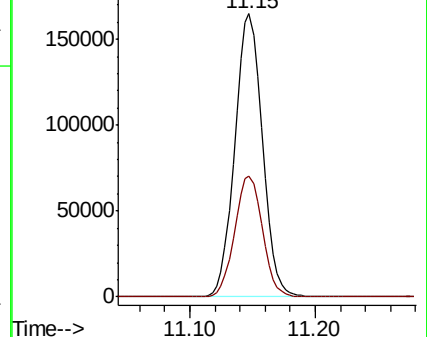
105 100

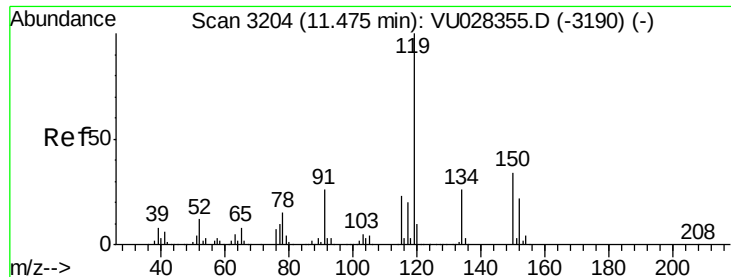
120 43.0 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

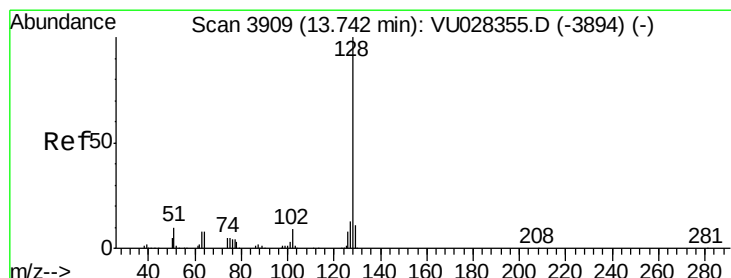
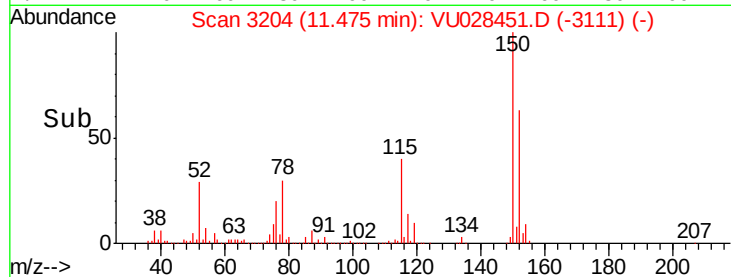
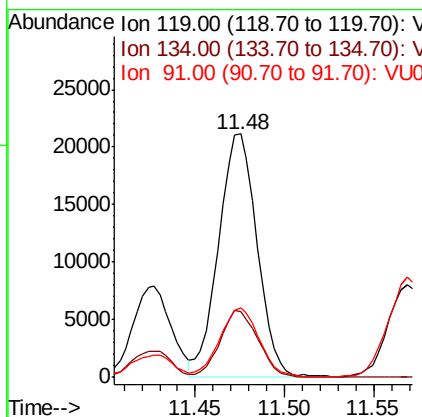
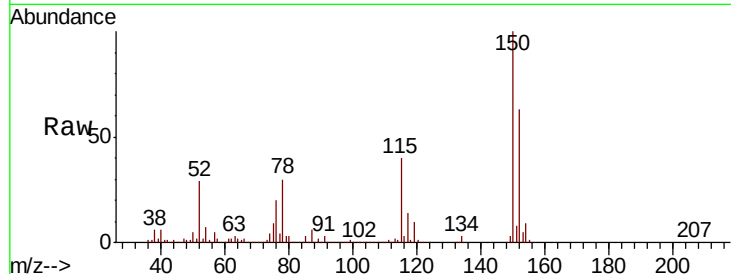




#86
 p-Isopropyltoluene
 Concen: 1.880 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028451.D
 Acq: 03 Dec 2018 19:01

Instrument :
 MSVOA_U
 ClientSampled :
 OWS-2

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	12.8	38.3
91	29.3	13.1	39.1



#95
 Naphthalene
 Concen: 10.193 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU028451.D
 Acq: 03 Dec 2018 19:01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	10.9	8.6	12.8

