

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028627.D
 Acq On : 11 Dec 2018 23:16
 Operator : MD/SY
 Sample : J6298-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RECLAIMER-PIT

Quant Time: Dec 12 05:44:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	81774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	148792	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	140962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	59562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	69507	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	
35) Dibromofluoromethane	4.88	113	50392	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
50) Toluene-d8	7.57	98	196424	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	10.30	95	68656	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	

Target Compounds

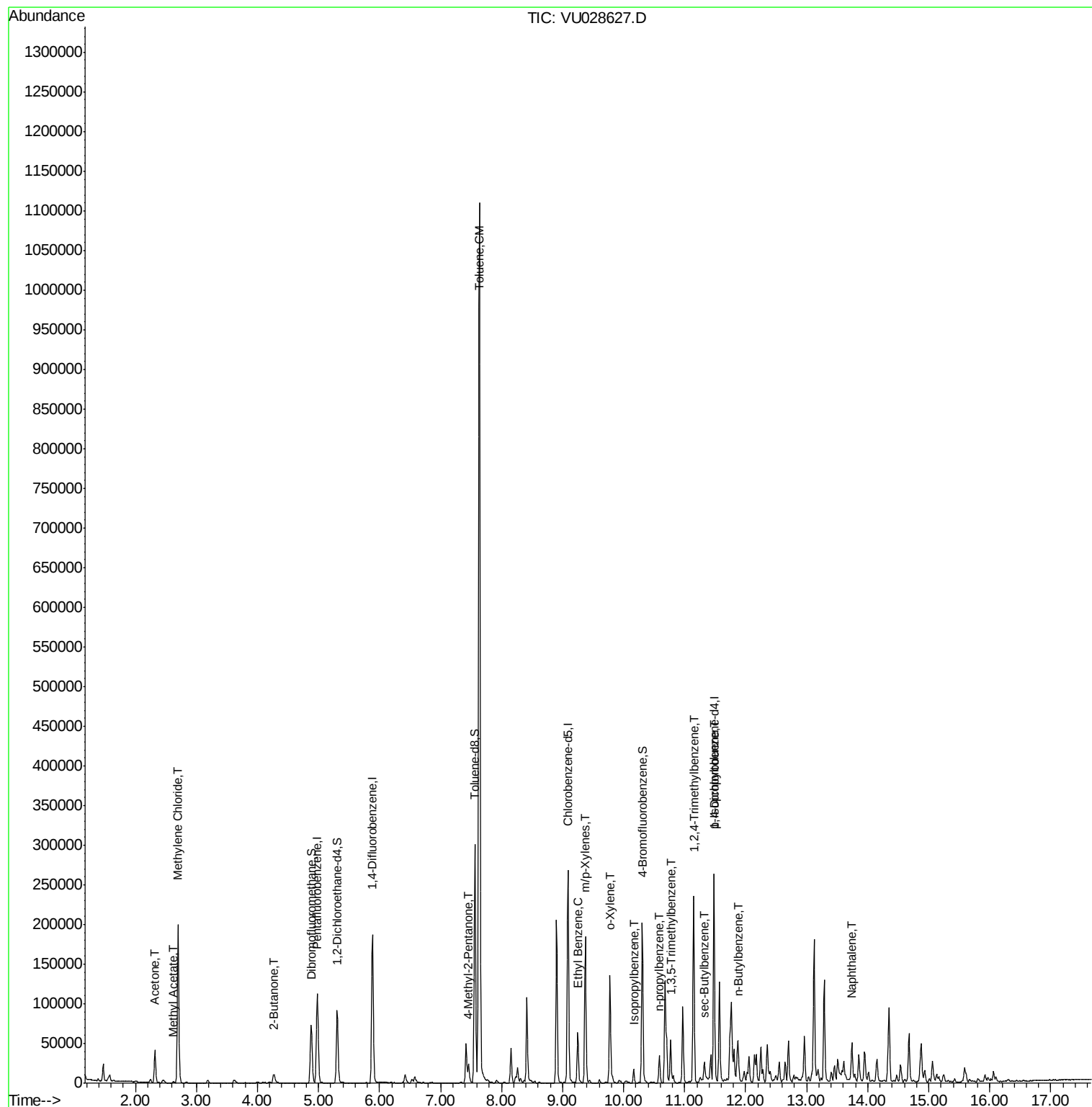
						Qvalue
16) Acetone	2.32	43	43279	53.147	ug/l	99
18) Methyl Acetate	2.62	43	2755	1.305	ug/l #	82
20) Methylene Chloride	2.70	84	80013	66.653	ug/l	97
25) 2-Butanone	4.27	43	20640	18.547	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	16677	7.942	ug/l	98
52) Toluene	7.64	92	452674	160.396	ug/l	99
67) Ethyl Benzene	9.25	91	46539	8.428	ug/l	94
68) m/p-Xylenes	9.37	106	49960	24.865	ug/l	100
69) o-Xylene	9.78	106	32972	16.886	ug/l	99
73) Isopropylbenzene	10.16	105	11142	2.438	ug/l	98
78) n-propylbenzene	10.58	91	26208	4.615	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	28980	7.660	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	121658	31.203	ug/l	99
85) sec-Butylbenzene	11.32	105	9285	1.982	ug/l	98
86) p-Isopropyltoluene	11.48	119	8069	2.028	ug/l	98
89) n-Butylbenzene	11.88	91	10787	2.678	ug/l #	39
95) Naphthalene	13.74	128	34713	7.165	ug/l	99

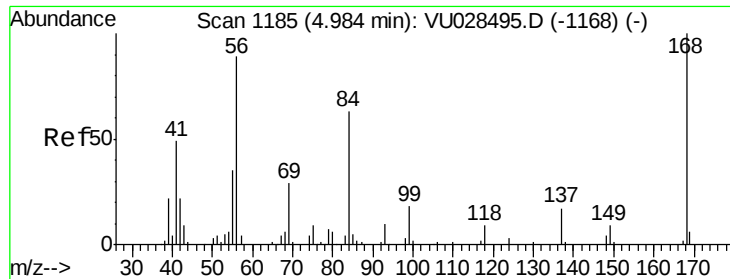
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 07 00:39:42 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: VU028627.D

Acq: 11 Dec 2018 23:16

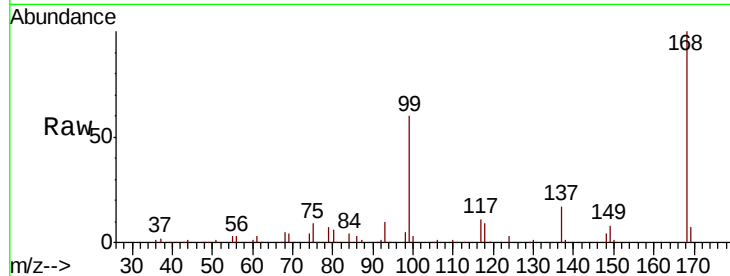
Instrument :
MSVOA_U
ClientSampleId :
RECLAIMER-PIT

Tot Ion:168 Resp: 81774

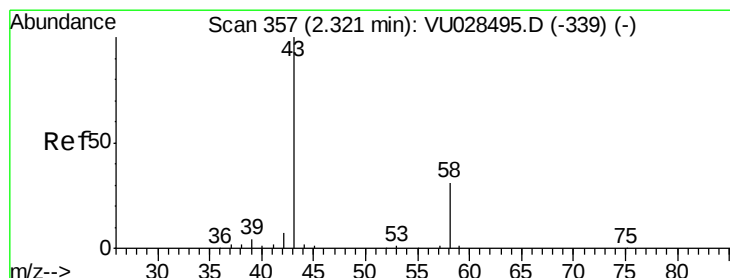
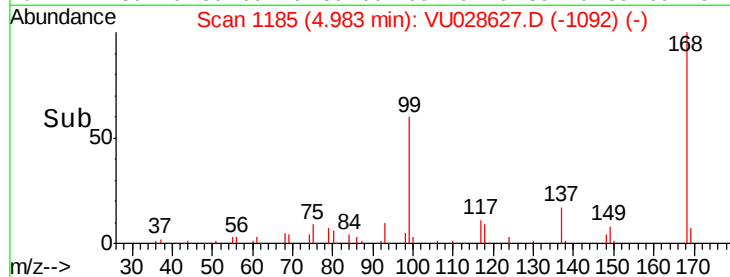
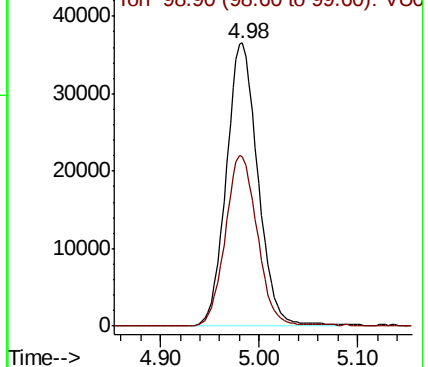
Ion Ratio Lower Upper

168 100

99 59.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D
Ion 98.90 (98.60 to 99.60): VU028495.D



#16

Acetone

Concen: 53.147 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028627.D

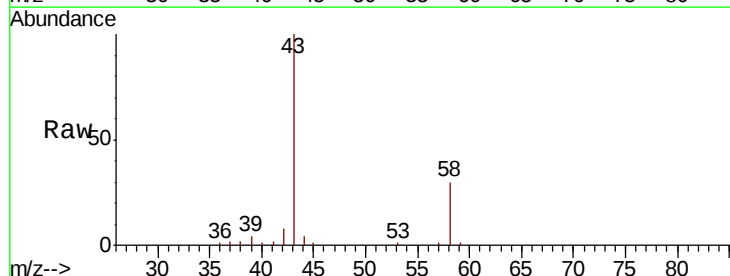
Acq: 11 Dec 2018 23:16

Tgt Ion: 43 Resp: 43279

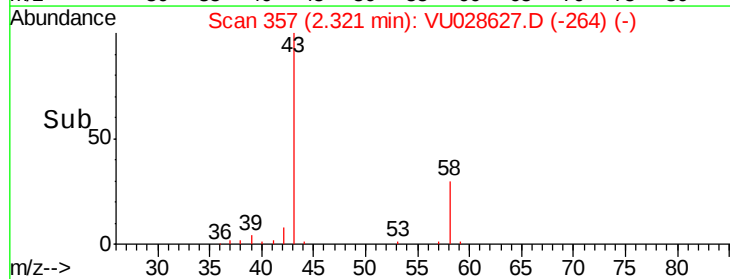
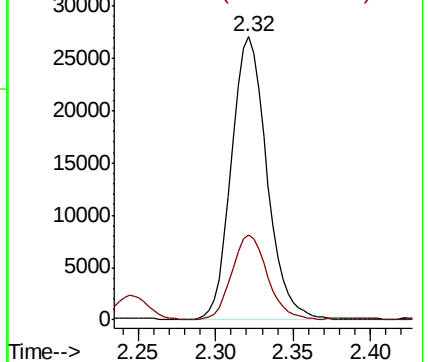
Ion Ratio Lower Upper

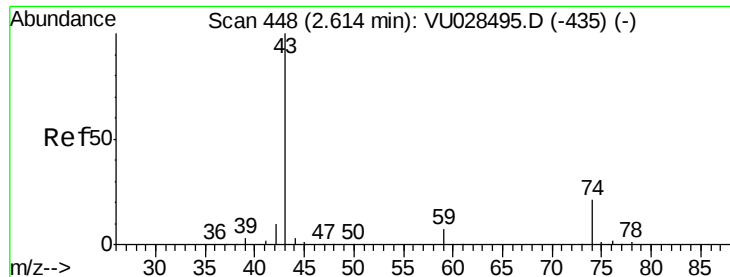
43 100

58 30.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D
Ion 58.00 (57.70 to 58.70): VU028495.D

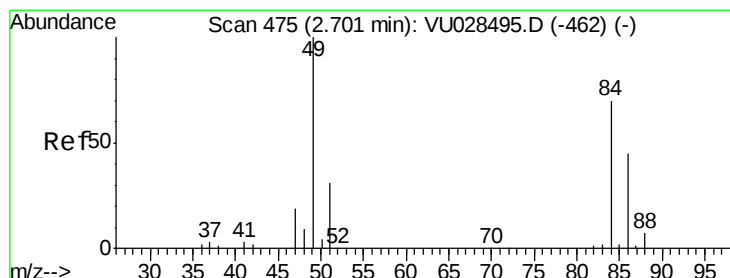
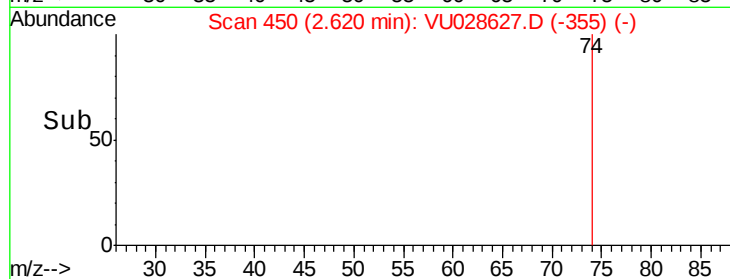
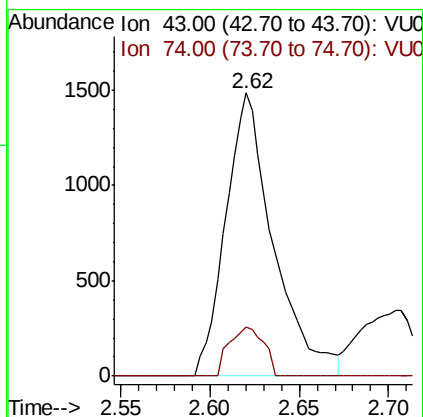
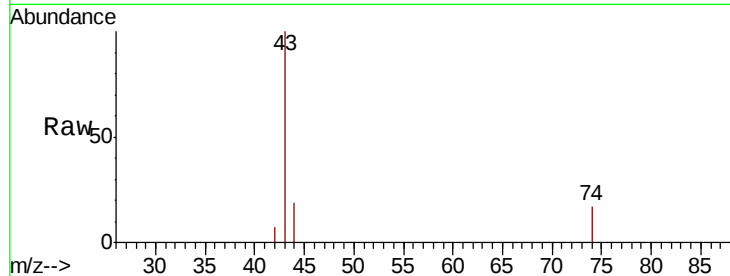




#18
Methvl Acetate
Concen: 1.305 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

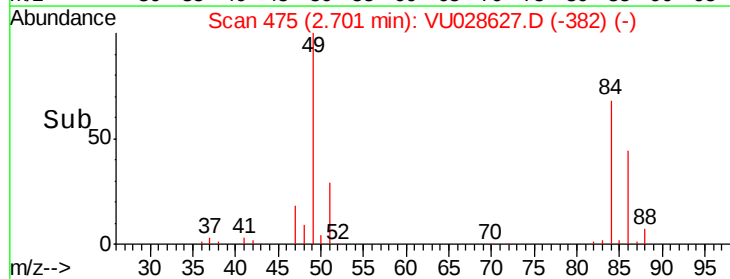
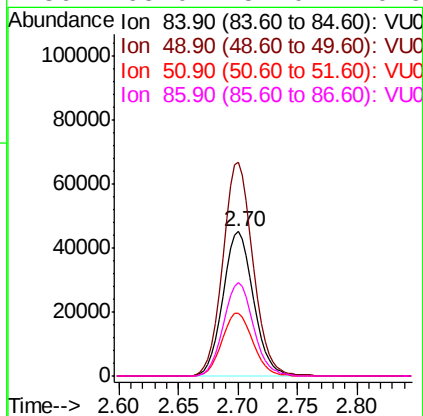
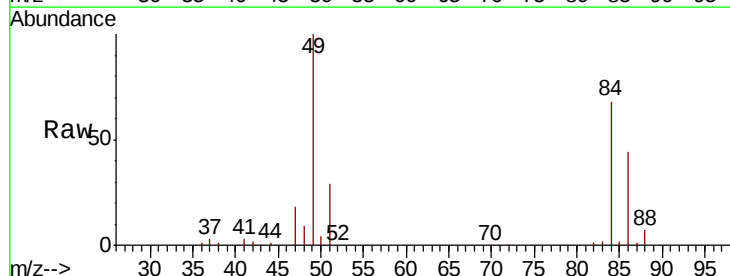
Instrument :
MSVOA_U
ClientSampleId :
RECLAIMER-PIT

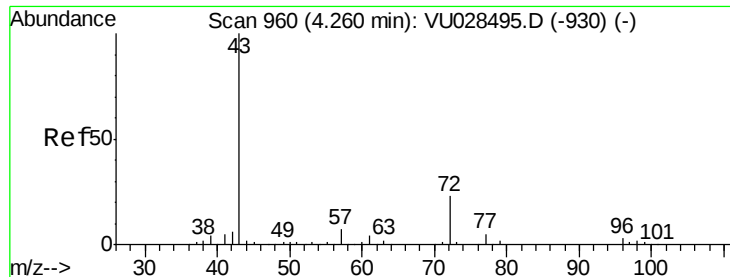
Tot Ion: 43 Resp: 2755
Ion Ratio Lower Upper
43 100
74 12.4 16.4 24.6#



#20
Methylene Chloride
Concen: 66.653 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

Tgt Ion: 84 Resp: 80013
Ion Ratio Lower Upper
84 100
49 147.9 114.0 171.0
51 43.3 35.1 52.7
86 65.0 51.0 76.6





#25

2-Butanone

Concen: 18.547 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.01 min

Lab File: VU028627.D

Acq: 11 Dec 2018 23:16

Instrument :

MSVOA_U

ClientSampleId :

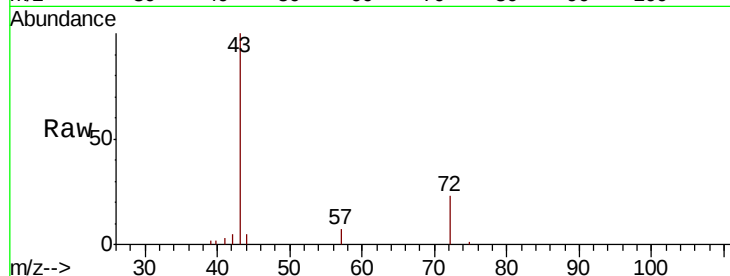
RECLAIMER-PIT

Tot Ion: 43 Resp: 20640

Ion Ratio Lower Upper

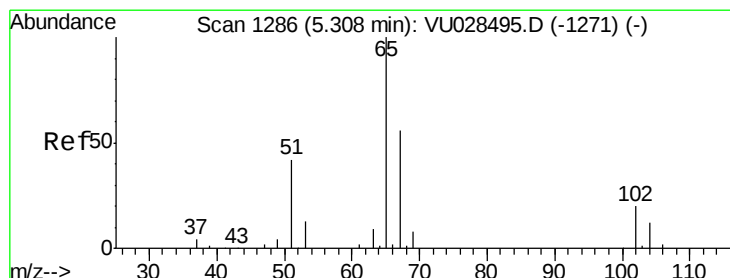
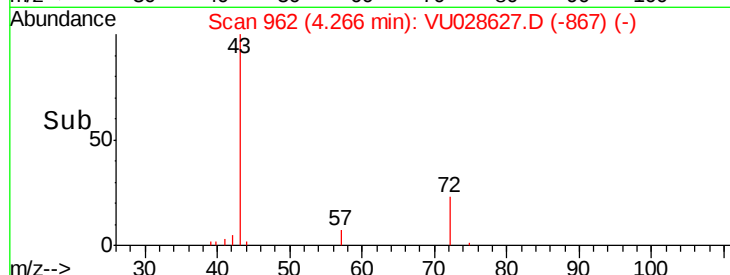
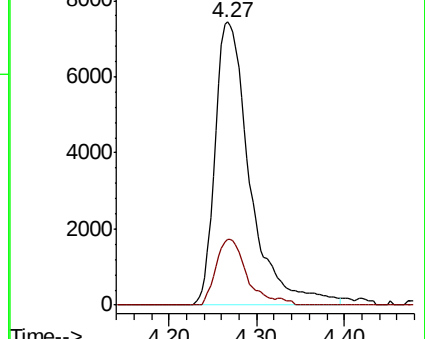
43 100

72 23.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-930) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.698 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028627.D

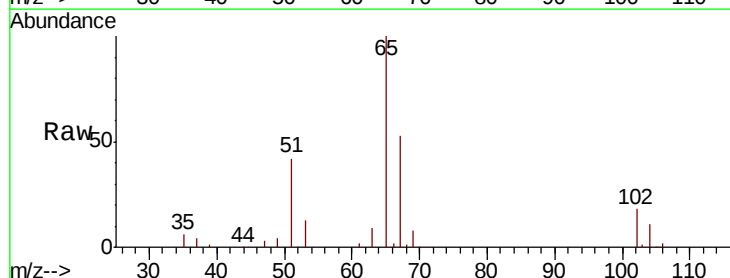
Acq: 11 Dec 2018 23:16

Tgt Ion: 65 Resp: 69507

Ion Ratio Lower Upper

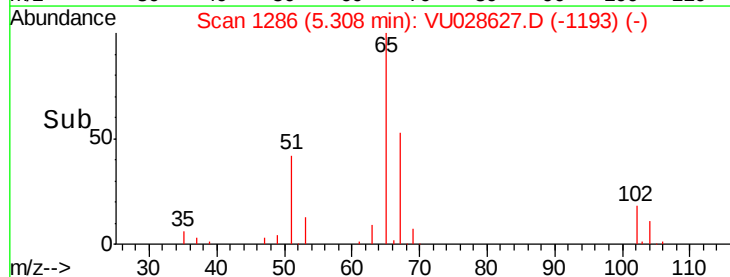
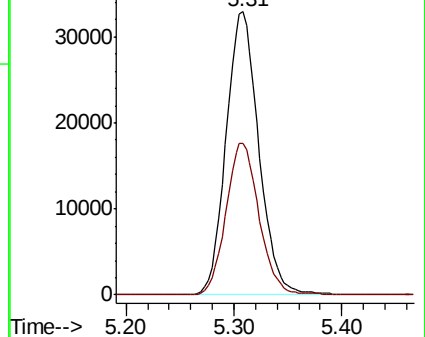
65 100

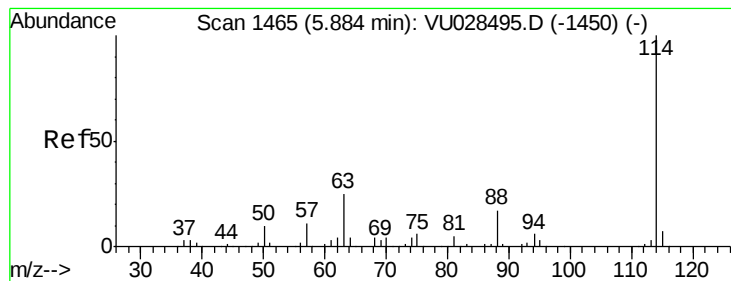
67 54.1 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028627.D

Acq: 11 Dec 2018 23:16

Instrument :

MSVOA_U

ClientSampleId :

RECLAIMER-PIT

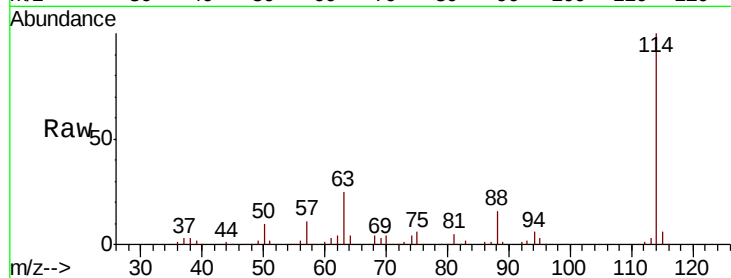
Tot Ion:114 Resp: 148792

Ion Ratio Lower Upper

114 100

63 25.1 0.0 49.2

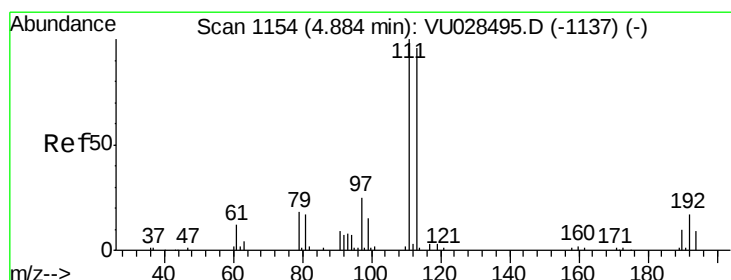
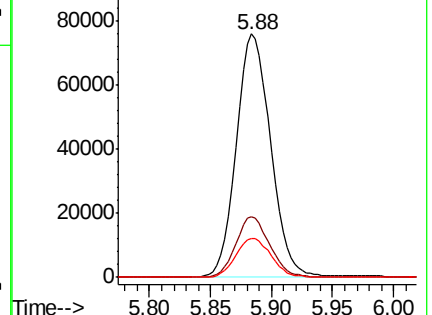
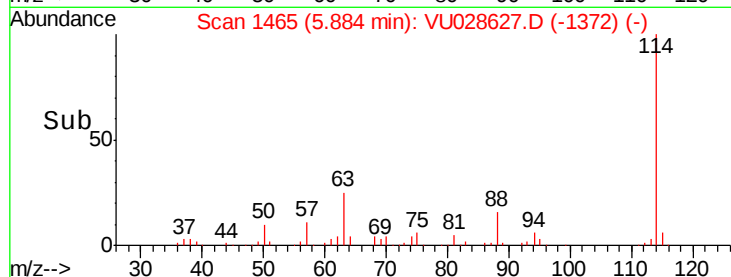
88 16.2 0.0 33.4



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: 53.817 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028627.D

Acq: 11 Dec 2018 23:16

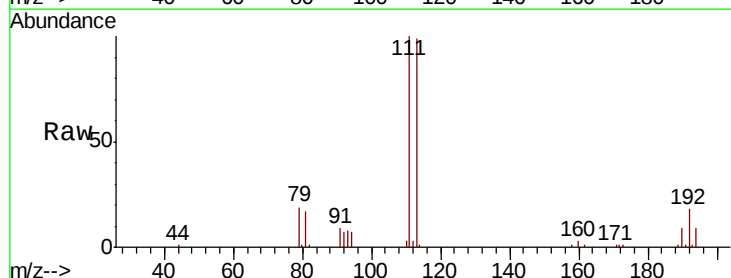
Tgt Ion:113 Resp: 50392

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.0

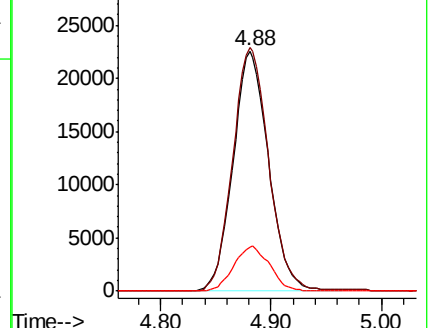
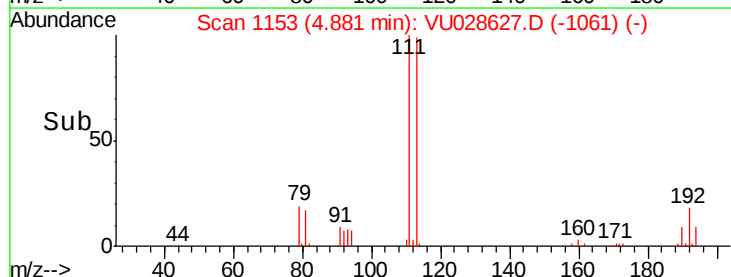
192 18.7 14.8 22.2

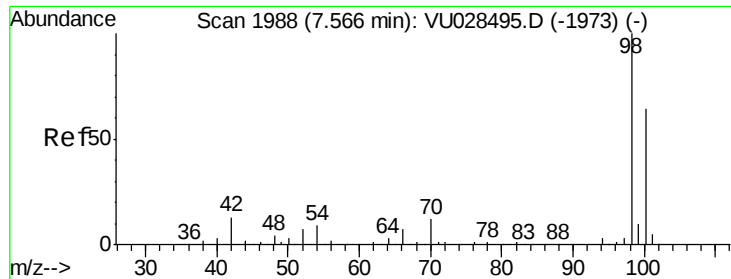


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

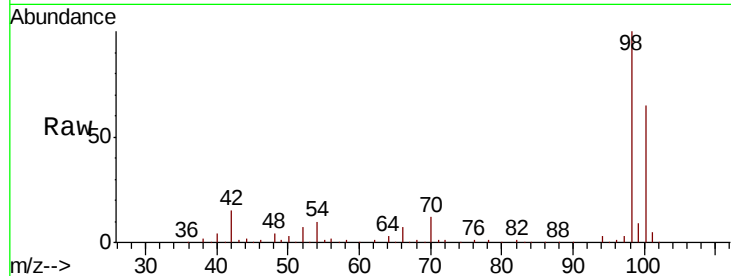




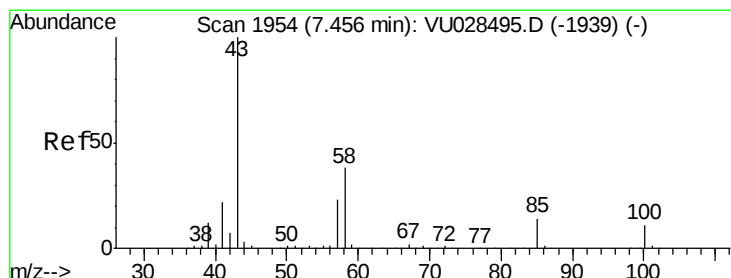
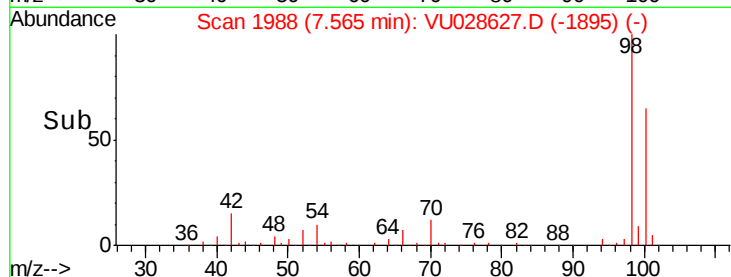
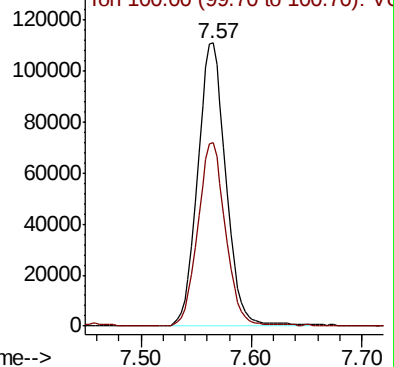
#50
Toluene-d8
Concen: 53.029 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

Instrument :
MSVOA_U
ClientSampleId :
RECLAIMER-PIT

Tot Ion: 98 Resp: 196424
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6

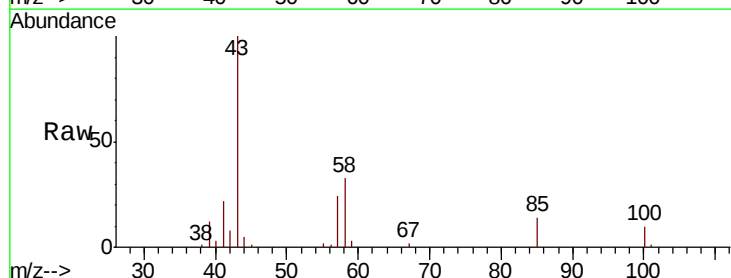


Abundance Ion 98.00 (97.70 to 98.70): VU028495.D
Ion 100.00 (99.70 to 100.70): VU028495.D

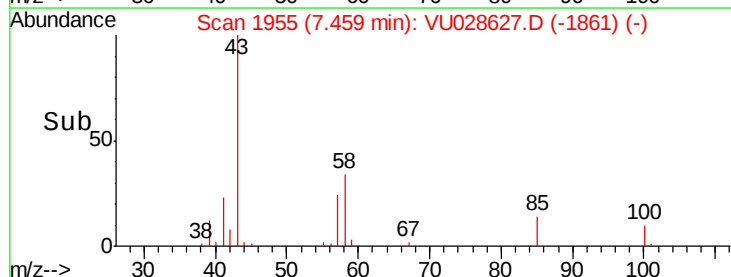
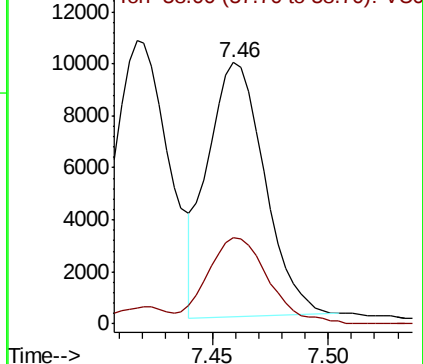


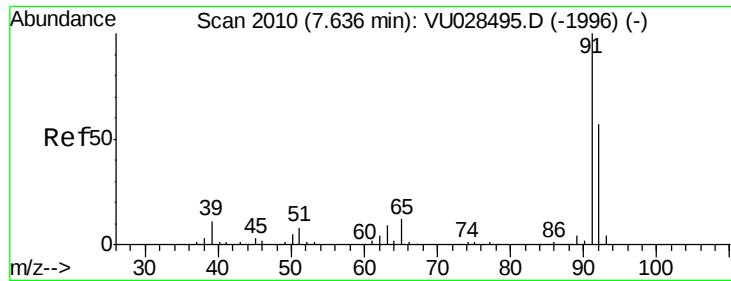
#51
4-Methyl-2-Pentanone
Concen: 7.942 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

Tgt Ion: 43 Resp: 16677
Ion Ratio Lower Upper
43 100
58 36.7 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D
Ion 58.00 (57.70 to 58.70): VU028495.D





#52

Toluene

Concen: 160.396 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028627.D

Acq: 11 Dec 2018 23:16

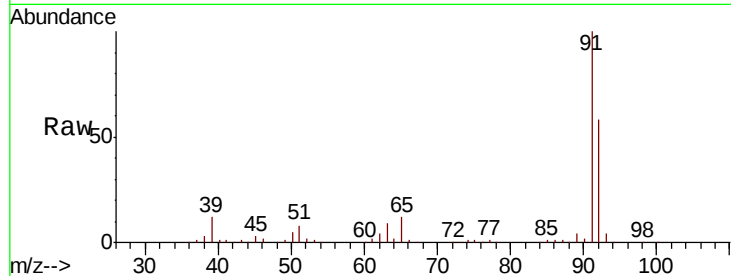
Instrument :
MSVOA_U
ClientSampleId :
RECLAIMER-PIT

Tot Ion: 92 Resp: 452674

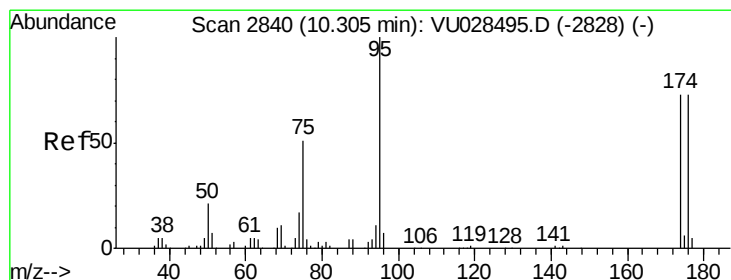
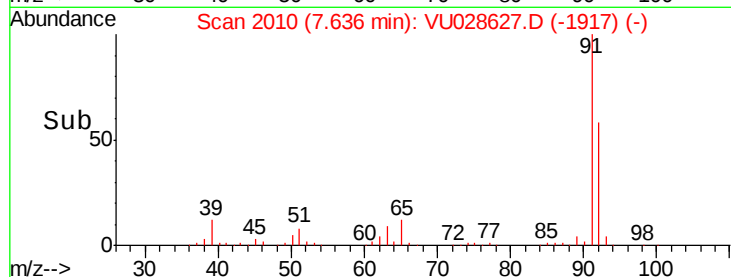
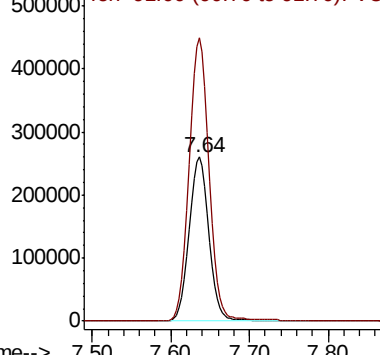
Ion Ratio Lower Upper

92 100

91 173.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 49.591 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028627.D

Acq: 11 Dec 2018 23:16

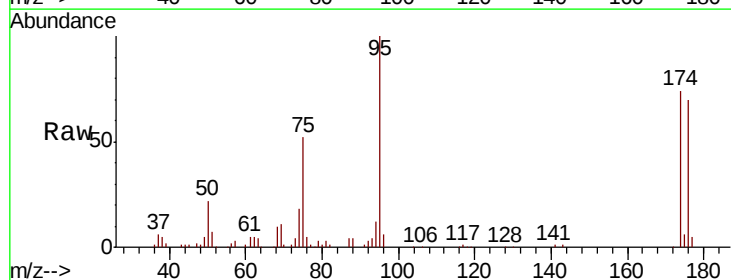
Tgt Ion: 95 Resp: 68656

Ion Ratio Lower Upper

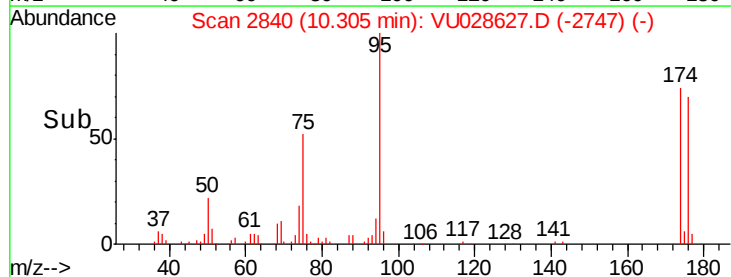
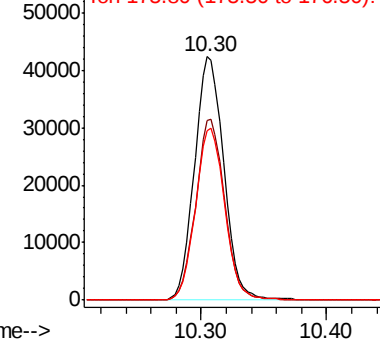
95 100

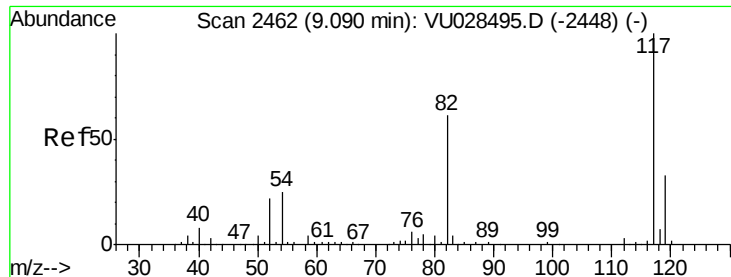
174 73.3 0.0 150.4

176 70.2 0.0 145.2



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

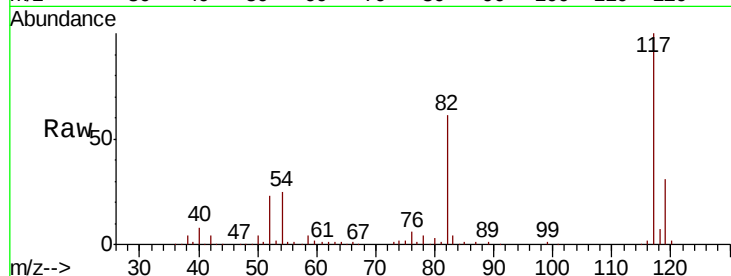




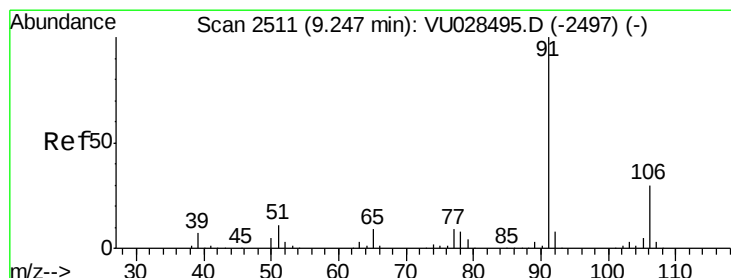
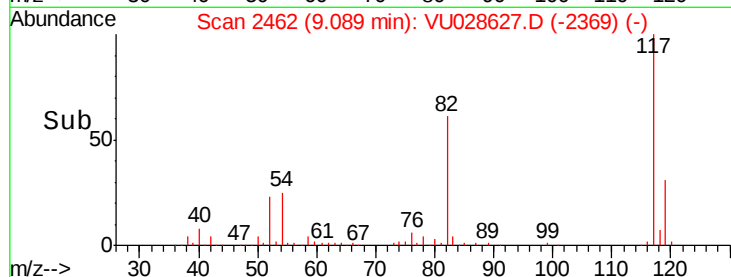
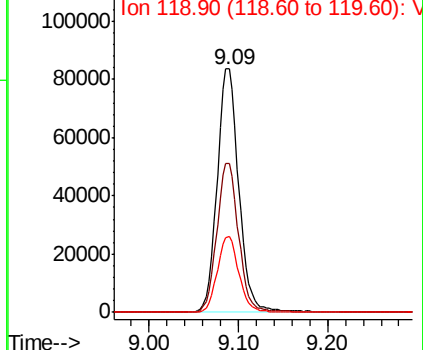
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

Instrument :
MSVOA_U
ClientSampleId :
RECLAIMER-PIT

Tot Ion:117 Resp: 140962
Ion Ratio Lower Upper
117 100
82 61.3 48.9 73.3
119 31.3 26.2 39.4

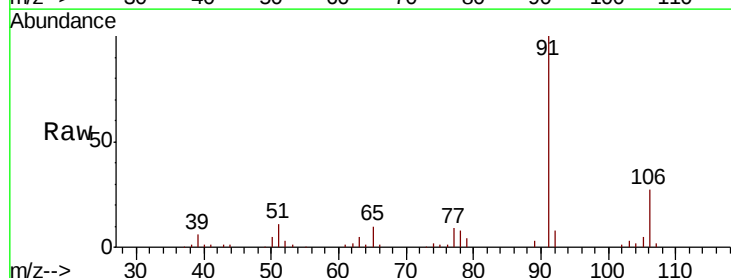


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

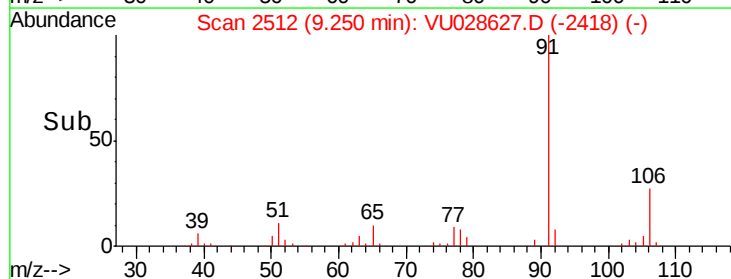
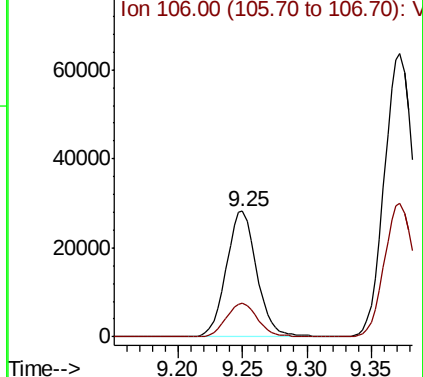


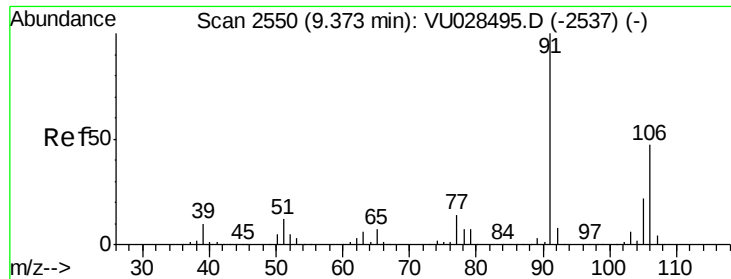
#67
Ethyl Benzene
Concen: 8.428 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

Tgt Ion: 91 Resp: 46539
Ion Ratio Lower Upper
91 100
106 26.8 24.1 36.1



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

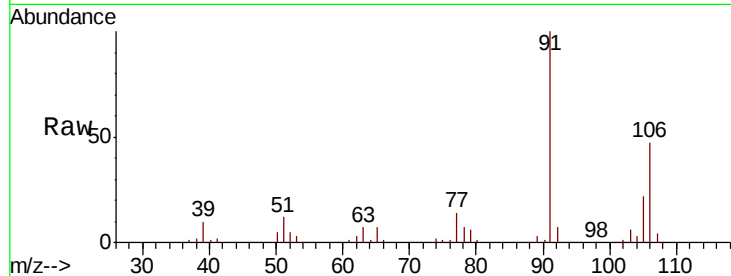




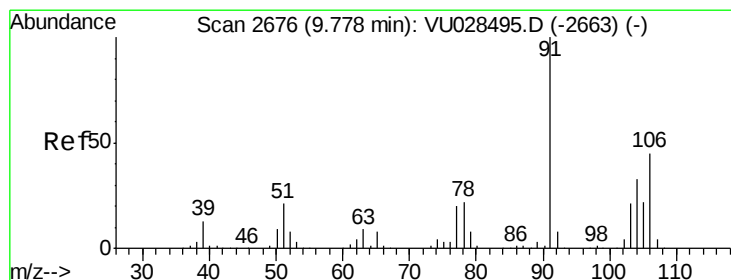
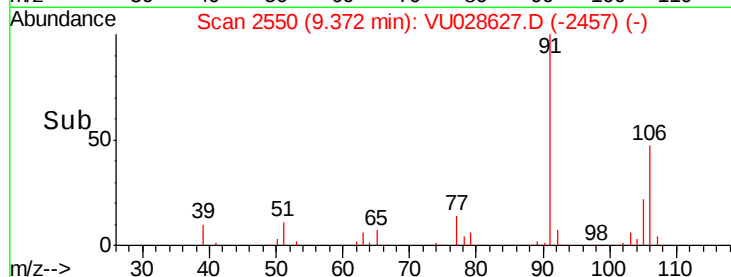
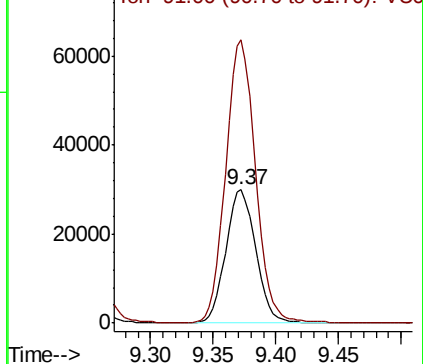
#68
m/p-Xylenes
Concen: 24.865 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

Instrument :
MSVOA_U
ClientSampleId :
RECLAIMER-PIT

Tot Ion:106 Resp: 49960
Ion Ratio Lower Upper
106 100
91 209.3 167.4 251.0

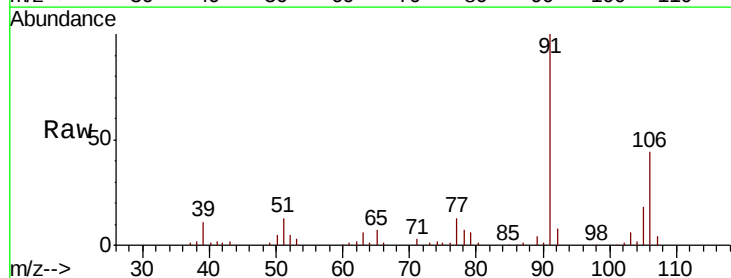


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

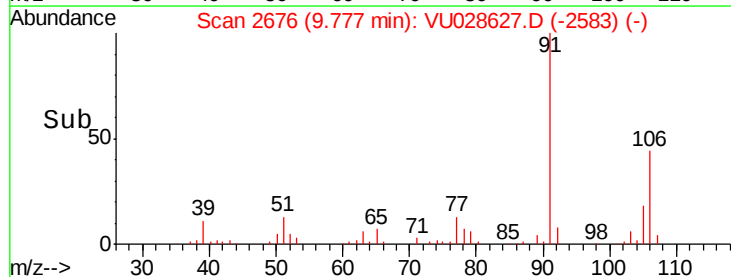
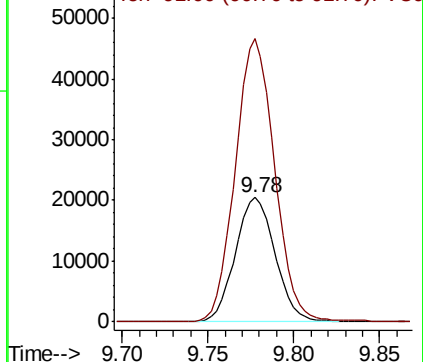


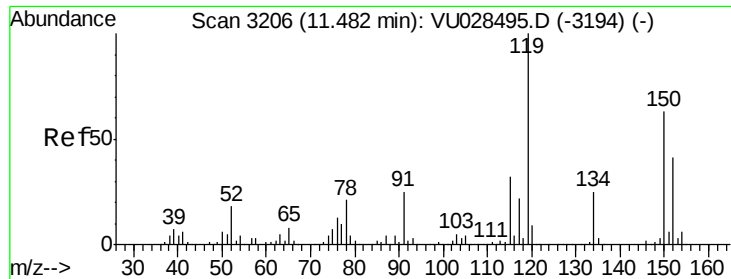
#69
o-Xylene
Concen: 16.886 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

Tgt Ion:106 Resp: 32972
Ion Ratio Lower Upper
106 100
91 224.6 111.3 334.0



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: VU028627.D

Acq: 11 Dec 2018 23:16

Instrument :

MSVOA_U

ClientSampleId :

RECLAIMER-PIT

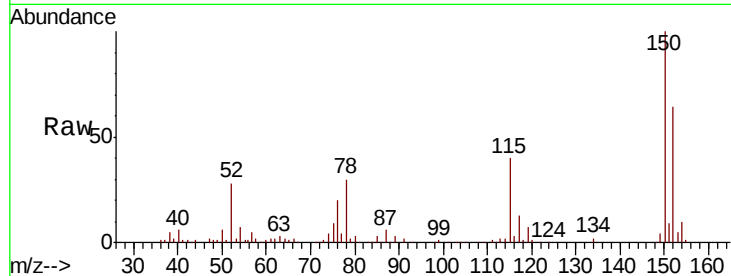
Tot Ion:152 Resp: 59562

Ion Ratio Lower Upper

152 100

115 62.1 42.7 128.1

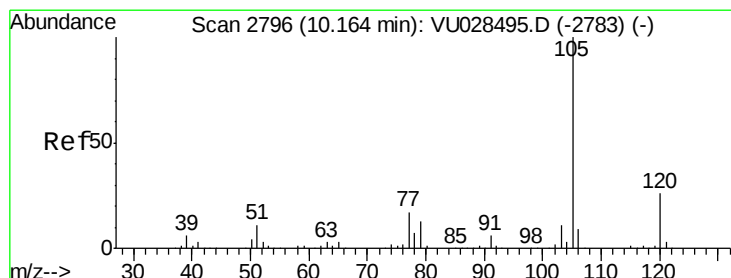
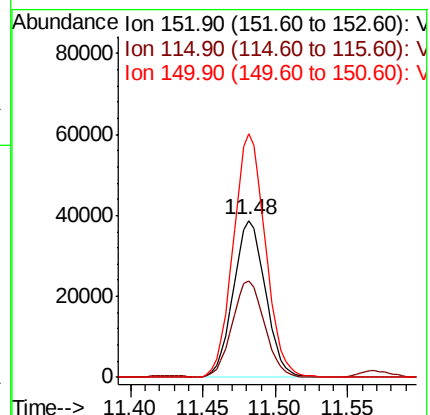
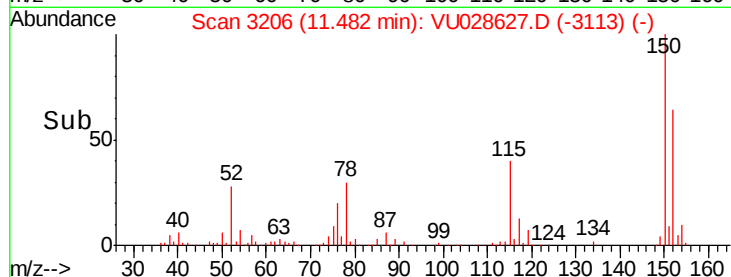
150 155.3 0.0 346.0



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



#73

Isopropylbenzene

Concen: 2.438 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028627.D

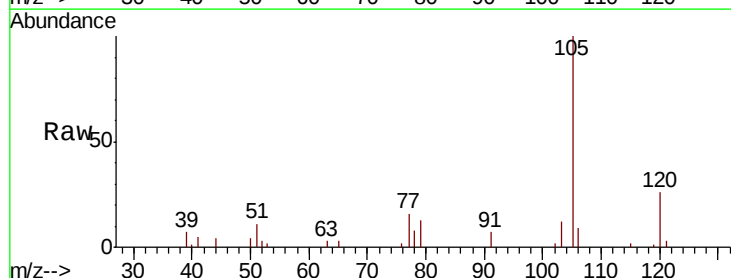
Acq: 11 Dec 2018 23:16

Tgt Ion:105 Resp: 11142

Ion Ratio Lower Upper

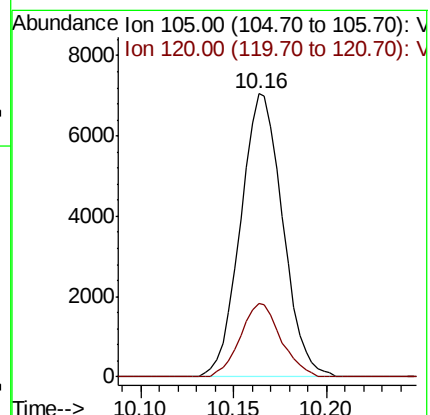
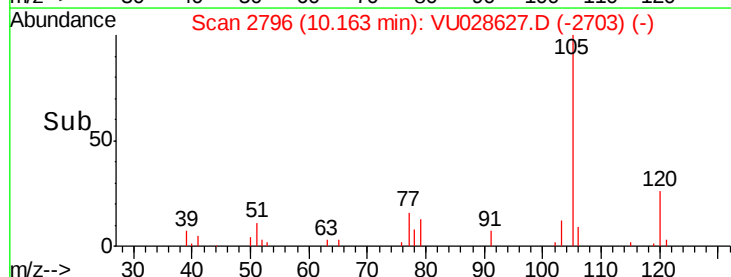
105 100

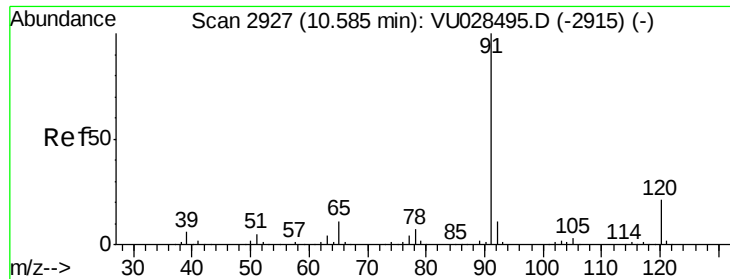
120 24.9 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

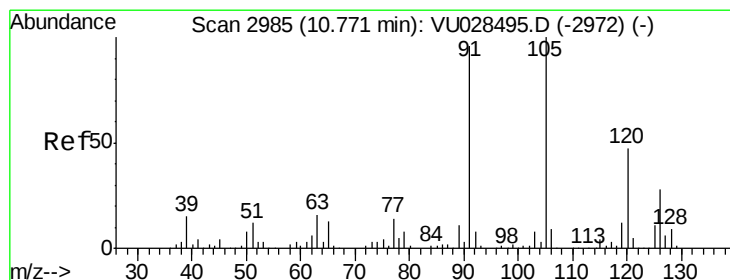
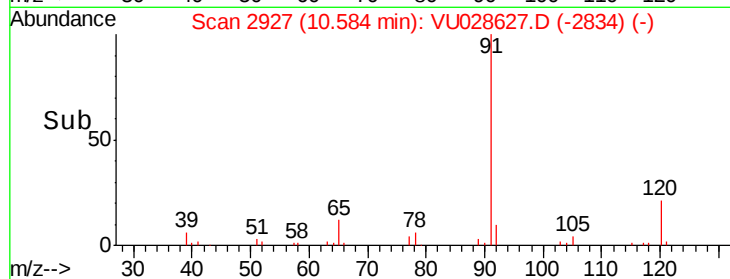
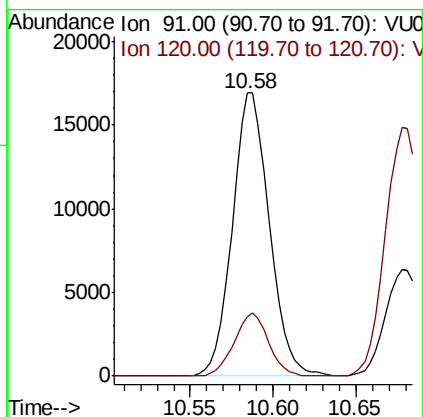
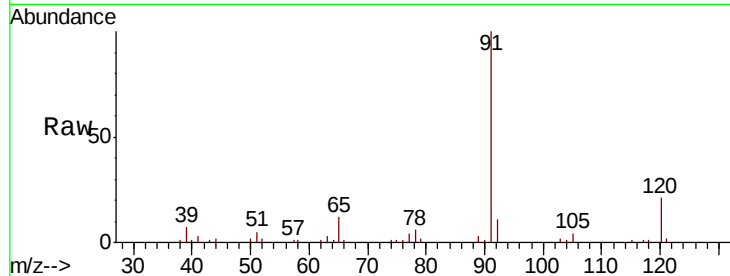




#78
 n-propylbenzene
 Concen: 4.615 ug/l
 RT: 10.58 min Scan# 2927
 Delta R.T. -0.00 min
 Lab File: VU028627.D
 Acq: 11 Dec 2018 23:16

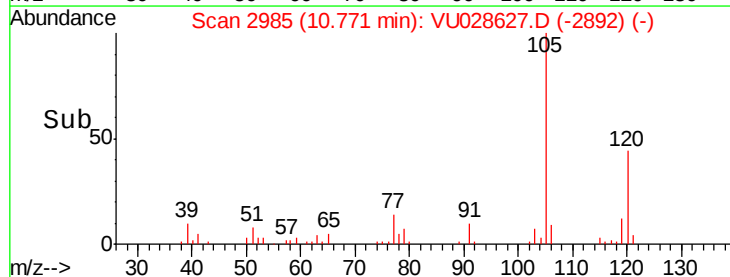
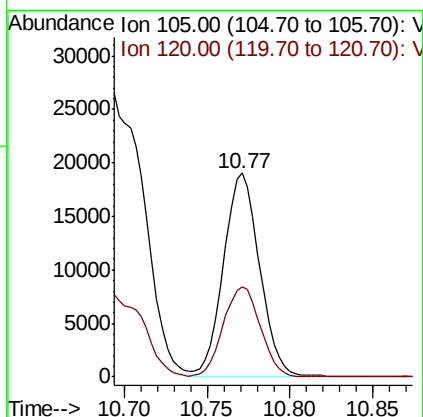
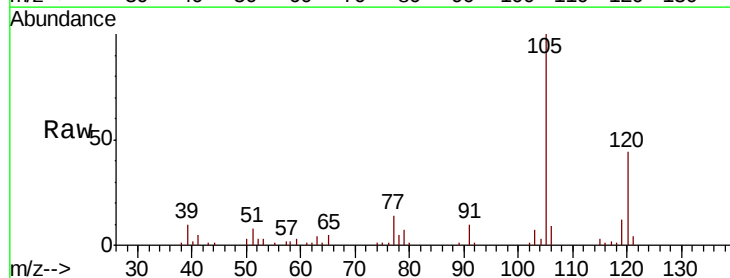
Instrument :
 MSVOA_U
 ClientSampleId :
 RECLAIMER-PIT

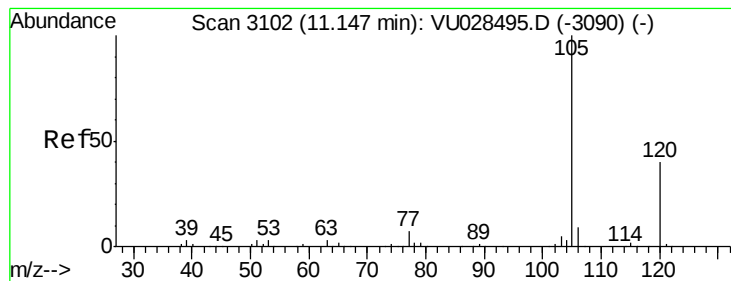
Tot Ion: 91 Resp: 26208
 Ion Ratio Lower Upper
 91 100
 120 20.7 10.6 31.8



#80
 1,3,5-Trimethylbenzene
 Concen: 7.660 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028627.D
 Acq: 11 Dec 2018 23:16

Tgt Ion: 105 Resp: 28980
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.7 71.1

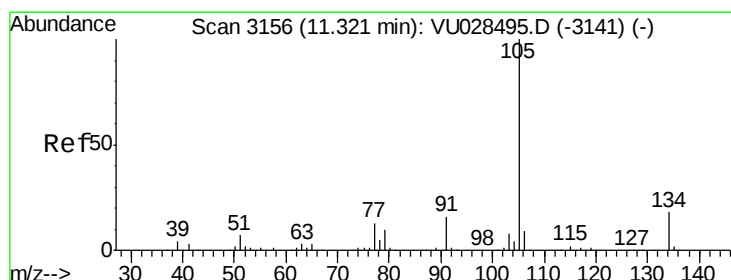
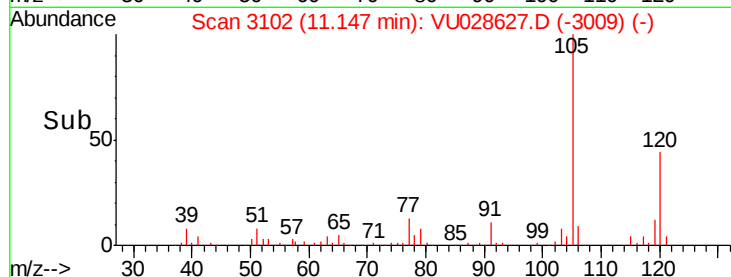
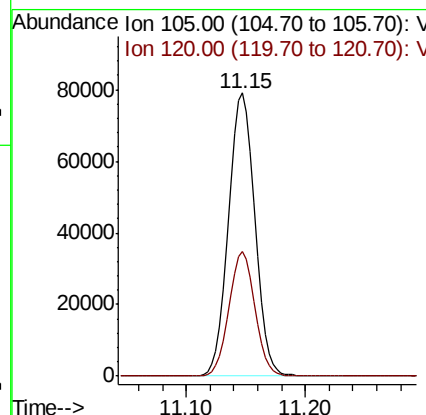
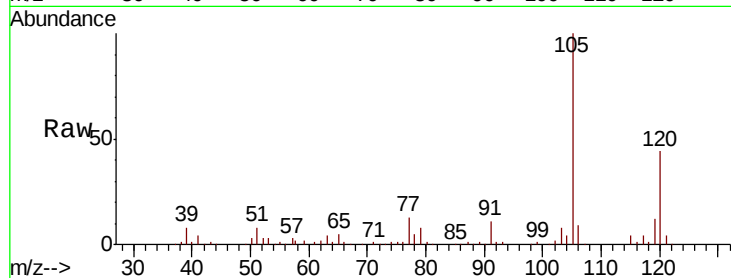




#84
 1,2,4-Trimethylbenzene
 Concen: 31.203 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028627.D
 Acq: 11 Dec 2018 23:16

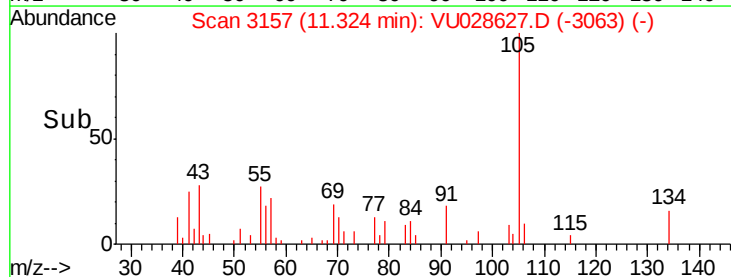
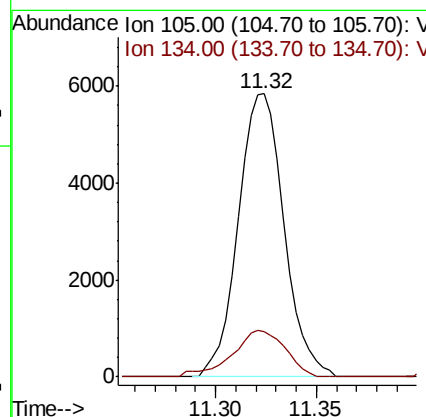
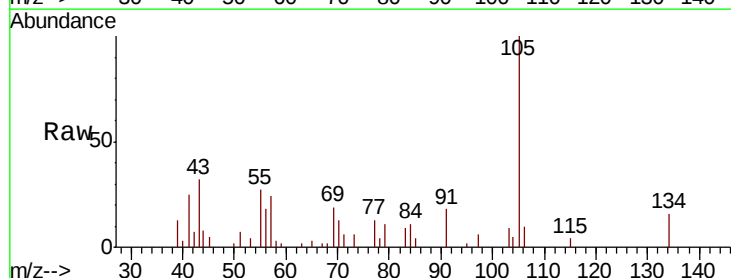
Instrument :
 MSVOA_U
 ClientSampleId :
 RECLAIMER-PIT

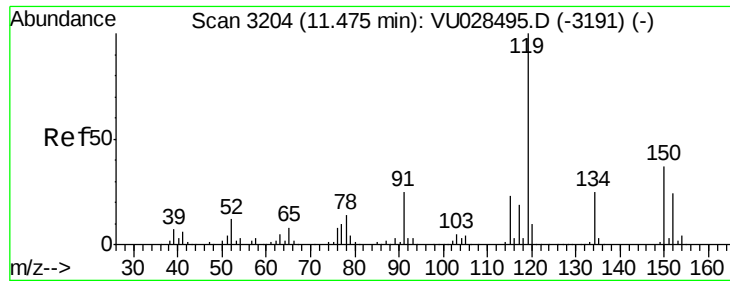
Tot Ion:105 Resp: 121658
 Ion Ratio Lower Upper
 105 100
 120 43.2 21.8 65.4



#85
 sec-Butylbenzene
 Concen: 1.982 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028627.D
 Acq: 11 Dec 2018 23:16

Tgt Ion:105 Resp: 9285
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.2 27.6

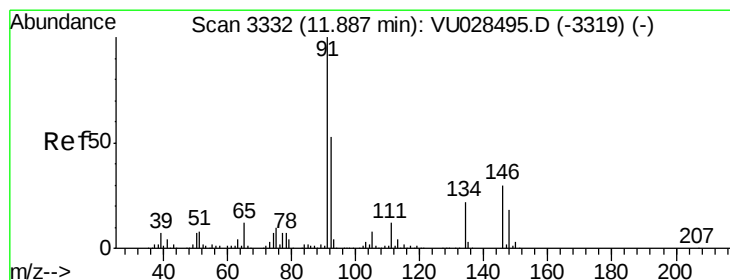
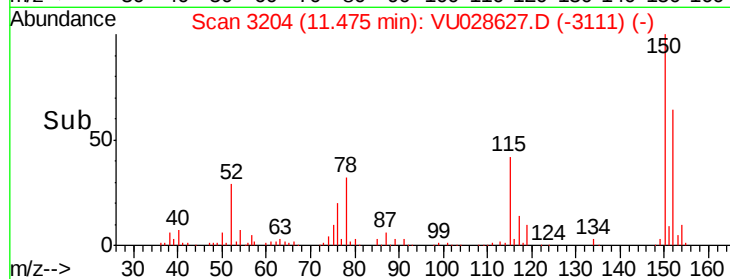
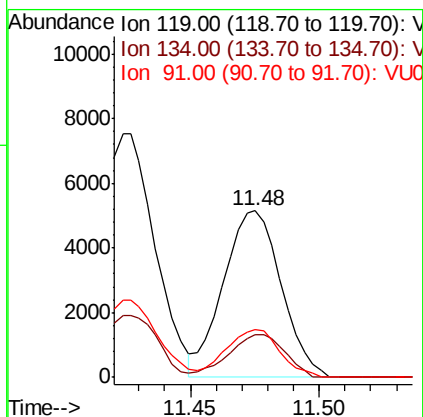
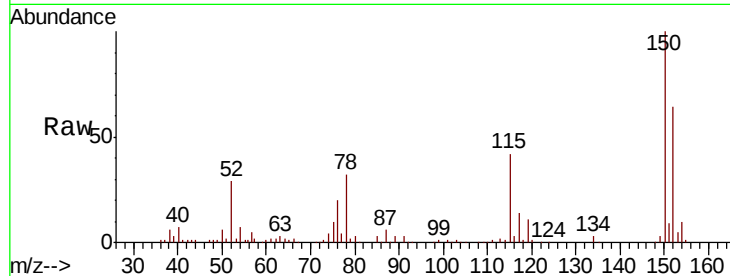




#86
p-Isopropyltoluene
Concen: 2.028 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

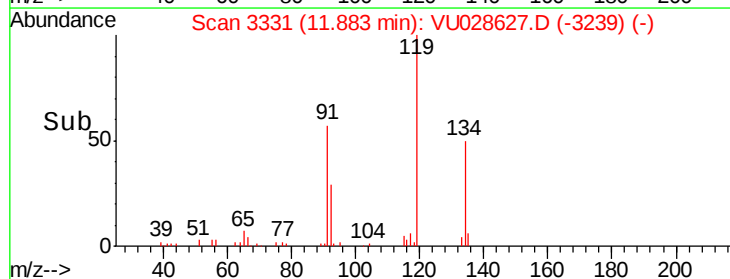
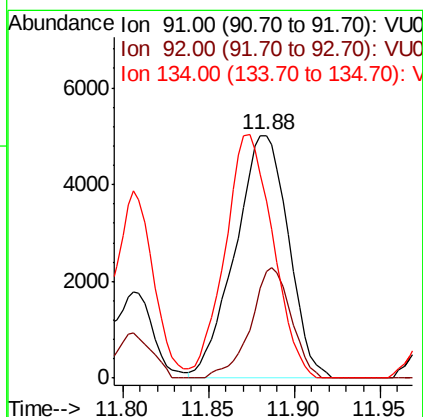
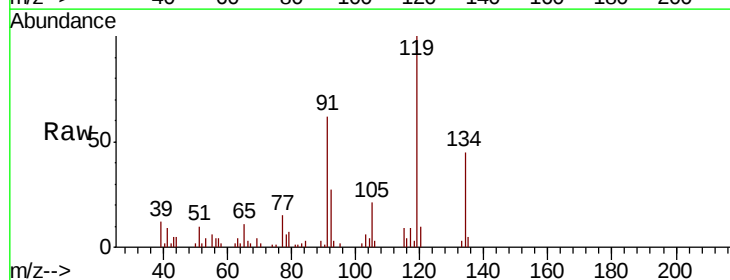
Instrument :
MSVOA_U
ClientSampleId :
RECLAIMER-PIT

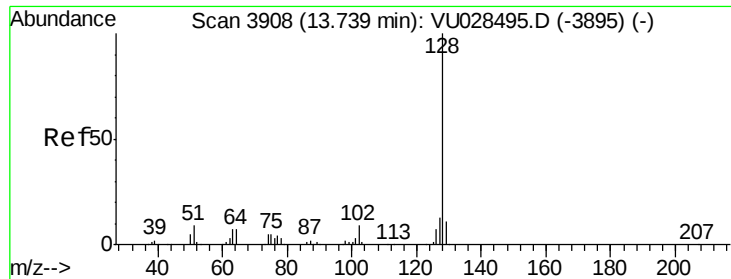
Tot Ion:119 Resp: 8069
Ion Ratio Lower Upper
119 100
134 25.1 12.7 38.1
91 26.7 12.6 37.6



#89
n-Butylbenzene
Concen: 2.678 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

Tgt Ion: 91 Resp: 10787
Ion Ratio Lower Upper
91 100
92 34.3 26.3 78.9
134 90.8 11.3 33.8#





#95
Naphthalene
Concen: 7.165 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028627.D
Acq: 11 Dec 2018 23:16

Instrument :
MSVOA_U
ClientSampleId :
RECLAIMER-PIT

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.2	8.6	13.0

