

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028647.D
 Acq On : 12 Dec 2018 13:09
 Operator : MD/SY
 Sample : J6305-01DL 4X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

Quant Time: Dec 13 03:25:48 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	106076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	190407	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	81639	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	4.88	113	62814	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	7.56	98	242124	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	10.30	95	83239	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds

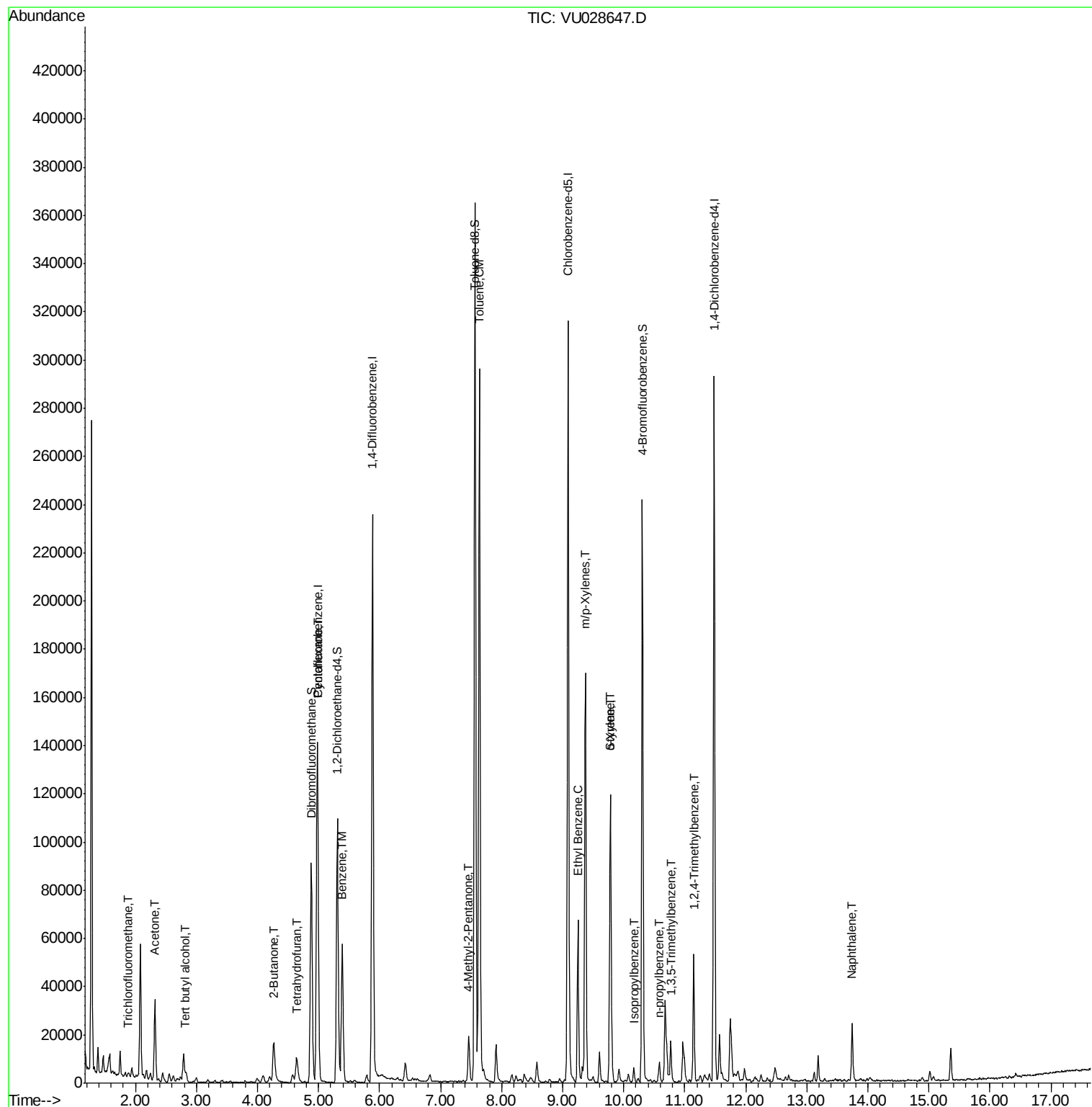
						Qvalue
7) Trichlorofluoromethane	1.88	101	767	0.386	ug/l	99
11) Tert butyl alcohol	2.83	59	4522	12.538	ug/l #	91
16) Acetone	2.32	43	35438	33.548	ug/l	99
25) 2-Butanone	4.27	43	29873	20.694	ug/l	100
29) Tetrahydrofuran	4.64	42	9143	9.862	ug/l	97
31) Cyclohexane	4.99	56	4178	0.316	ug/l #	26
40) Benzene	5.39	78	54851	8.938	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	14129	5.258	ug/l	97
52) Toluene	7.64	92	123027	34.065	ug/l	99
67) Ethyl Benzene	9.25	91	46819	6.969	ug/l	100
68) m/p-Xylenes	9.37	106	47075	19.257	ug/l	100
69) o-Xylene	9.78	106	25624	10.786	ug/l	98
70) Styrene	9.79	104	21305	5.419	ug/l	89
73) Isopropylbenzene	10.17	105	3499	0.642	ug/l	99
78) n-propylbenzene	10.59	91	5106	0.754	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	9591	2.125	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	28004	6.021	ug/l	99
95) Naphthalene	13.74	128	19726	3.413	ug/l	98

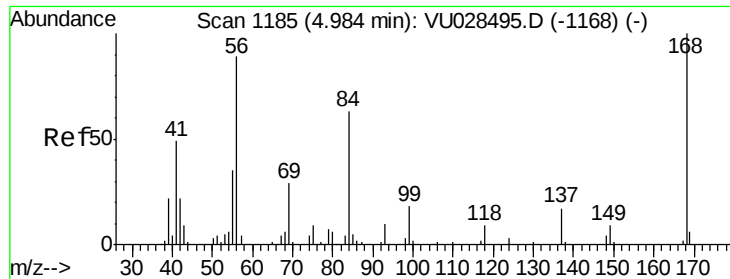
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028647.D

Acq: 12 Dec 2018 13:09

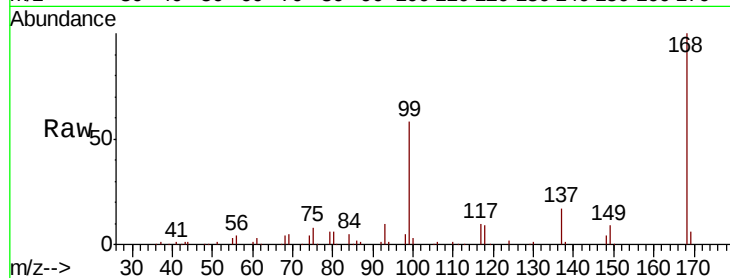
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion:168 Resp: 106076

Ion Ratio Lower Upper

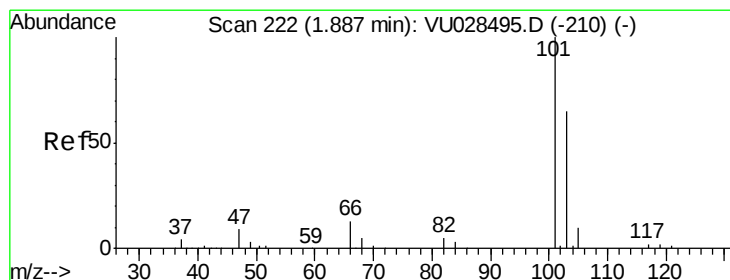
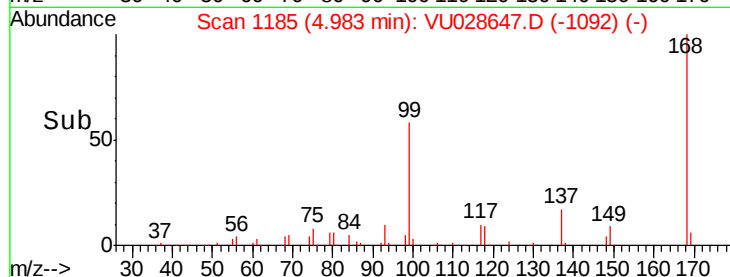
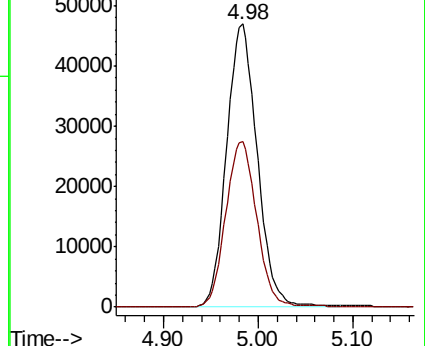
168 100

99 58.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#7

Trichlorofluoromethane

Concen: 0.386 ug/l

RT: 1.88 min Scan# 220

Delta R.T. -0.01 min

Lab File: VU028647.D

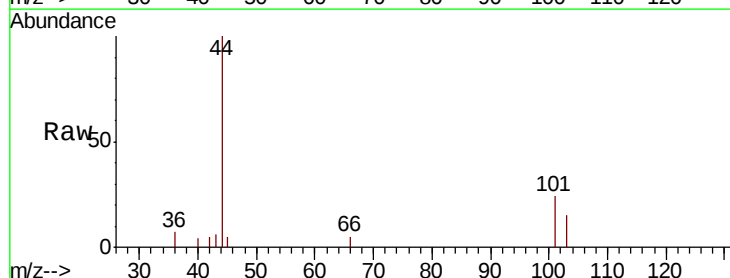
Acq: 12 Dec 2018 13:09

Tgt Ion:101 Resp: 767

Ion Ratio Lower Upper

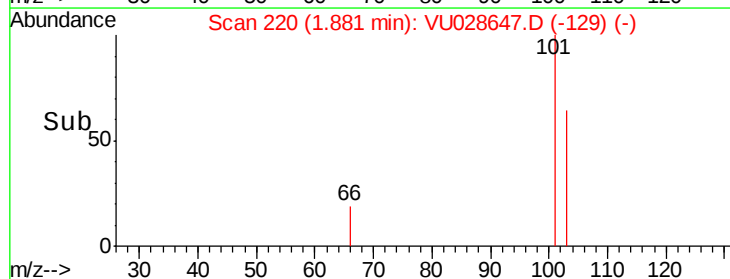
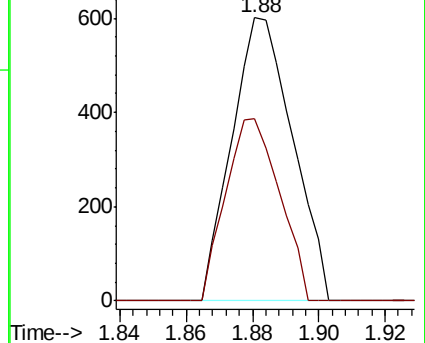
101 100

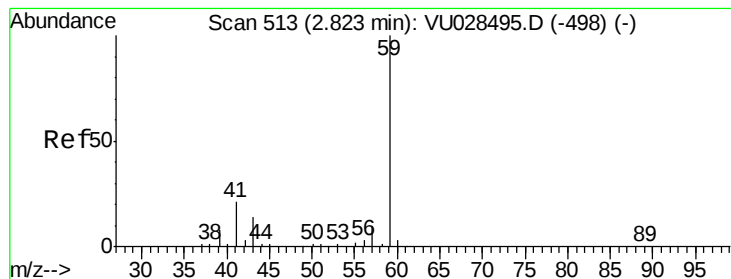
103 64.4 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#11

Tert butyl alcohol

Concen: 12.538 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

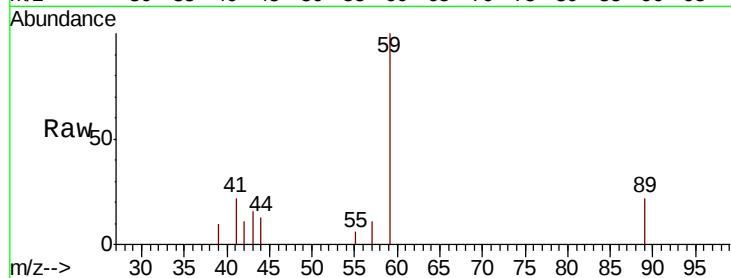
P001-SW001-01DL

Tot Ion: 59 Resp: 4522

Ion Ratio Lower Upper

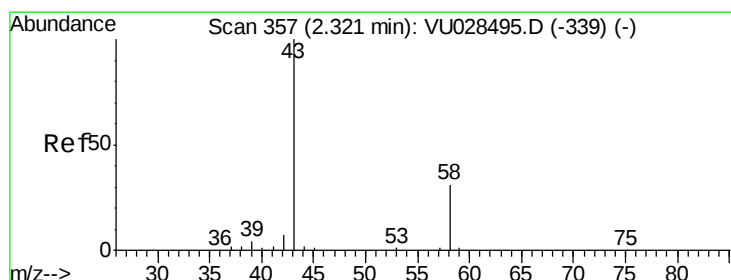
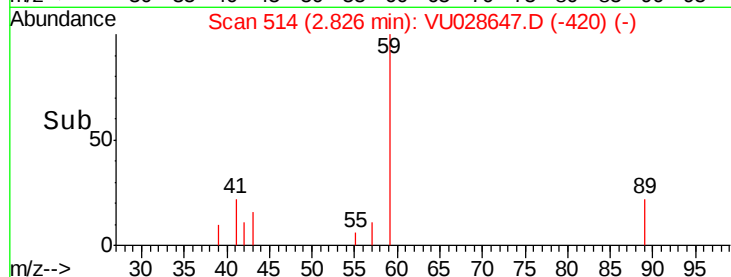
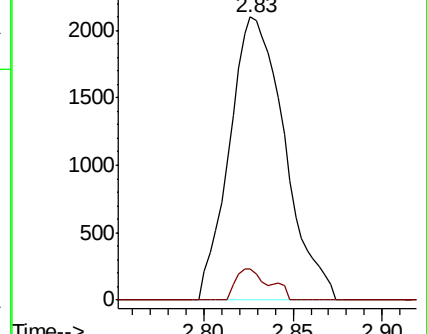
59 100

57 6.7 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#16

Acetone

Concen: 33.548 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028647.D

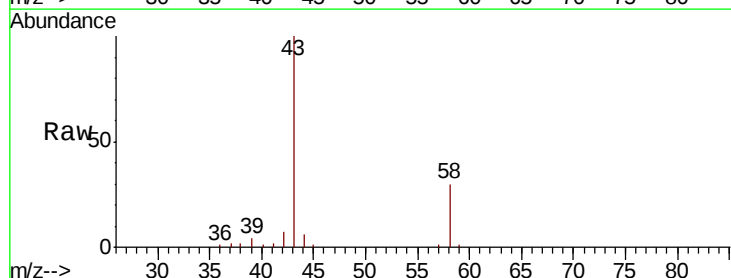
Acq: 12 Dec 2018 13:09

Tgt Ion: 43 Resp: 35438

Ion Ratio Lower Upper

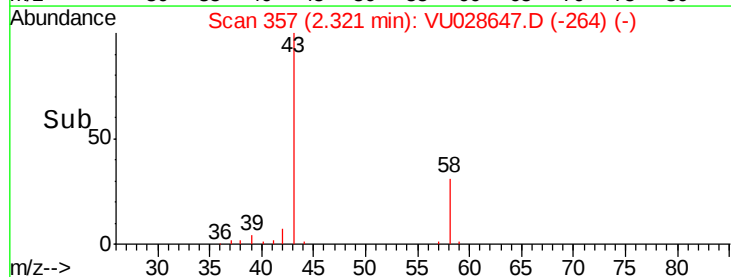
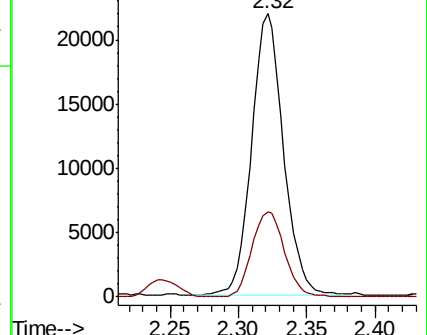
43 100

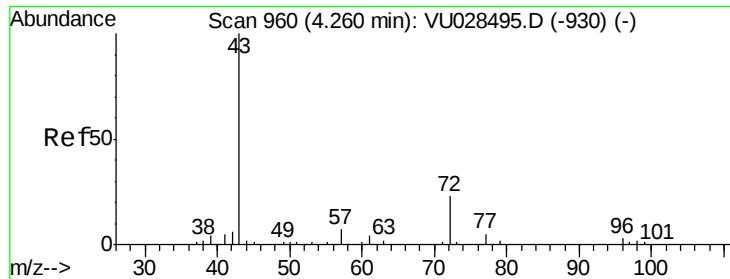
58 30.4 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

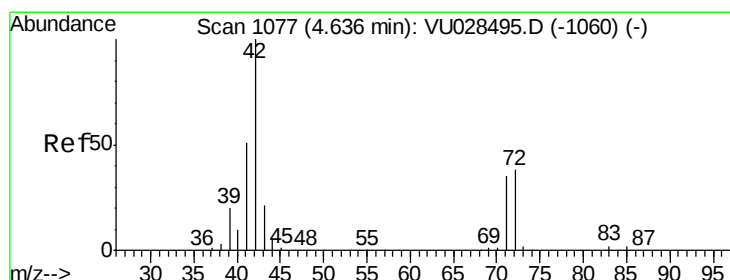
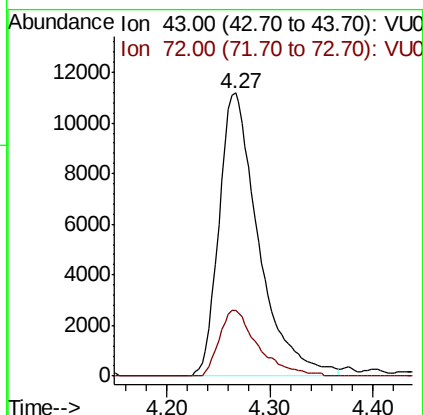
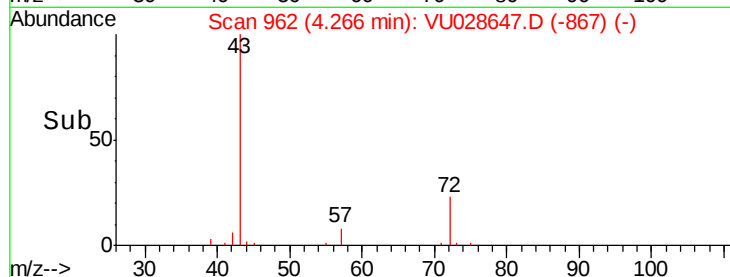
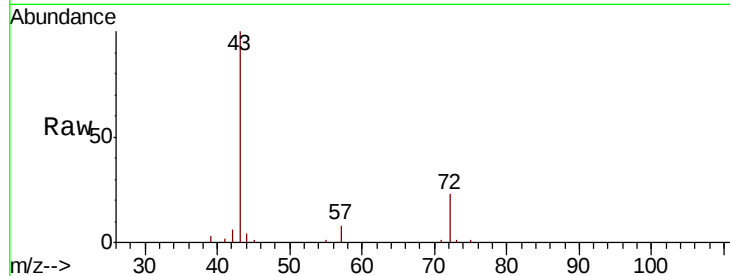




#25
 2-Butanone
 Concen: 20.694 ug/l
 RT: 4.27 min Scan# 962
 Delta R.T. 0.01 min
 Lab File: VU028647.D
 Acq: 12 Dec 2018 13:09

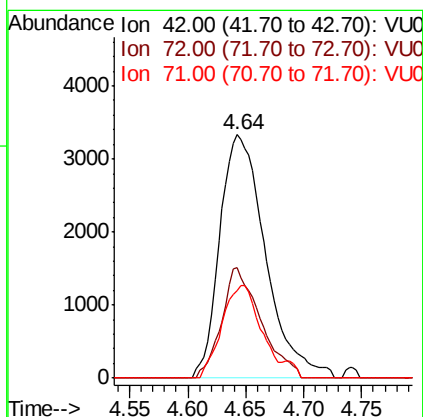
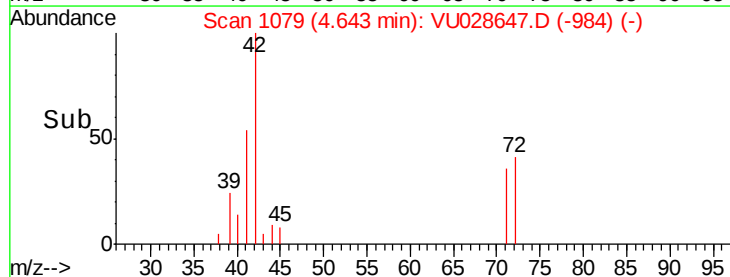
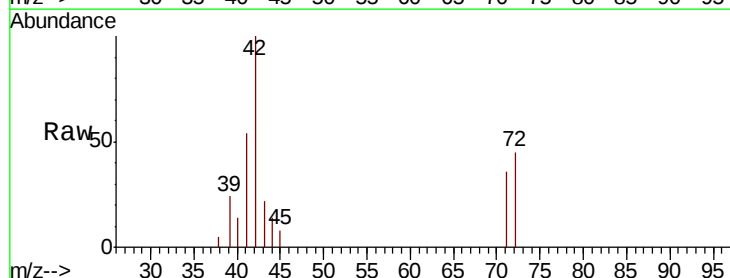
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

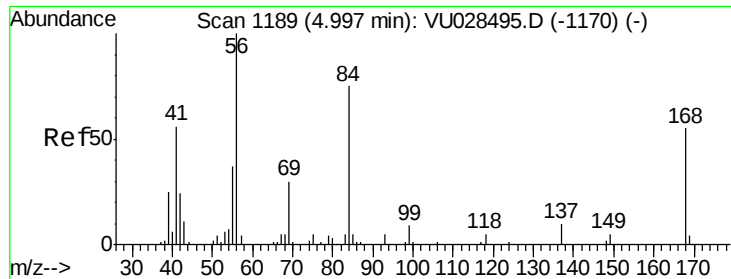
Tot Ion: 43 Resp: 29873
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.6 28.0



#29
 Tetrahydrofuran
 Concen: 9.862 ug/l
 RT: 4.64 min Scan# 1079
 Delta R.T. 0.01 min
 Lab File: VU028647.D
 Acq: 12 Dec 2018 13:09

Tgt Ion: 42 Resp: 9143
 Ion Ratio Lower Upper
 42 100
 72 38.6 31.4 47.0
 71 32.2 28.6 43.0

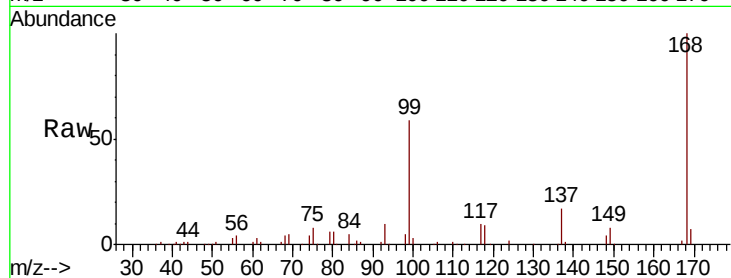




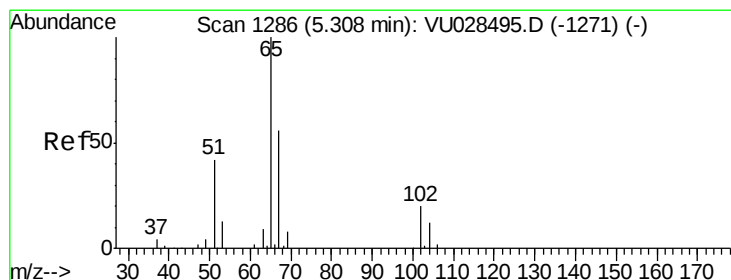
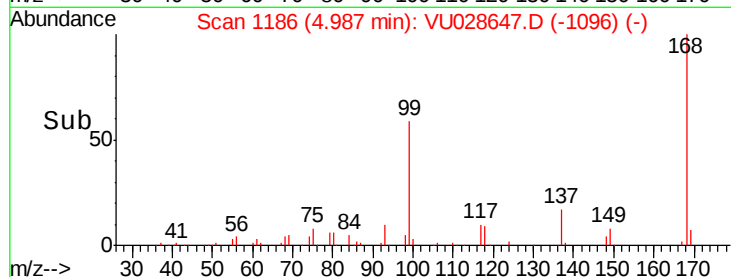
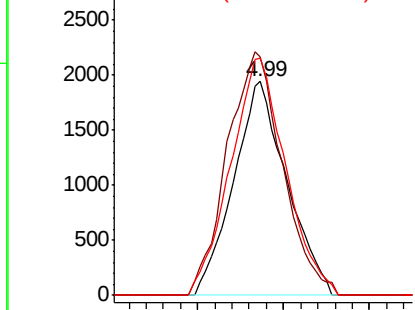
#31
Cyclohexane
Concen: 0.316 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion: 56 Resp: 4178
Ion Ratio Lower Upper
56 100
69 111.6 24.0 36.0#
84 111.0 59.7 89.5#

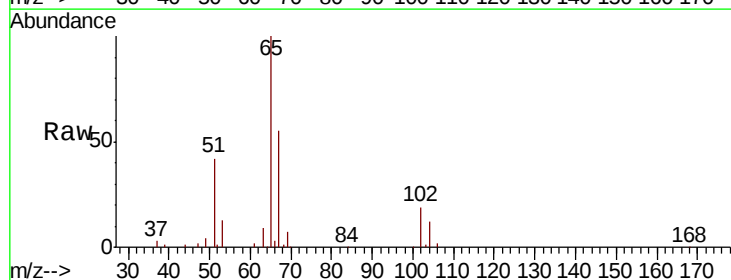


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

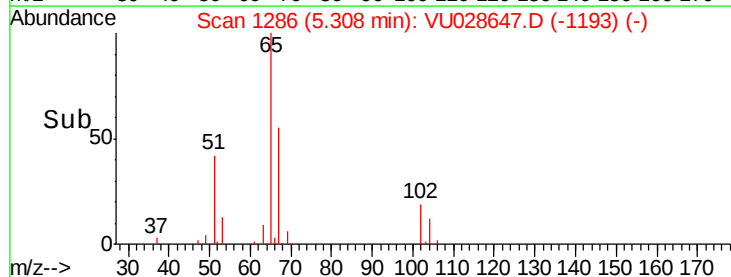
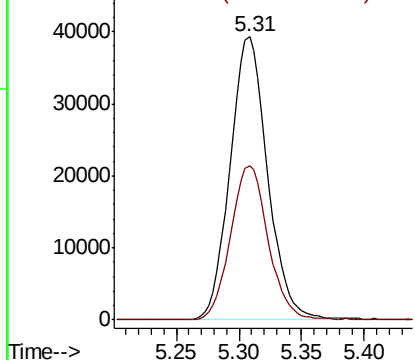


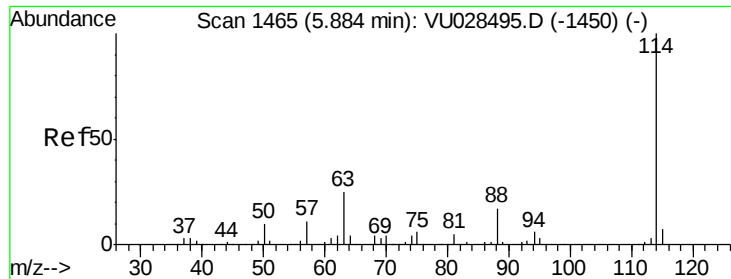
#33
1,2-Dichloroethane-d4
Concen: 50.432 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Tgt Ion: 65 Resp: 81639
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

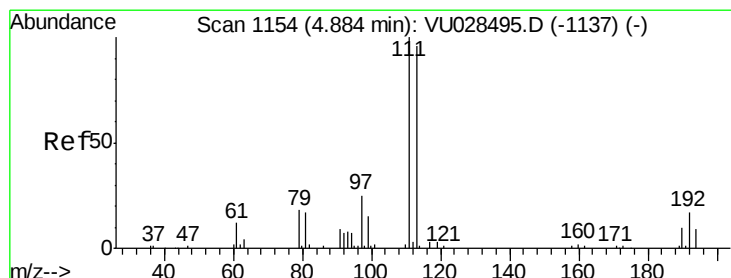
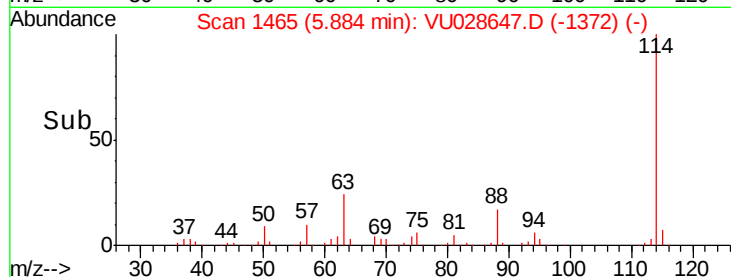
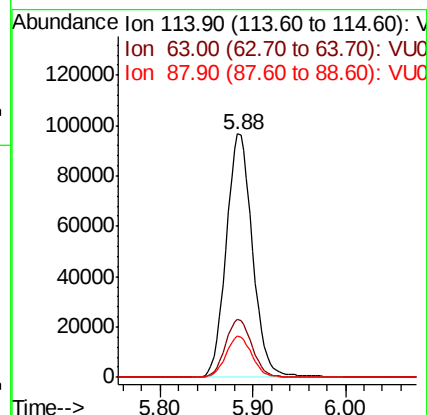
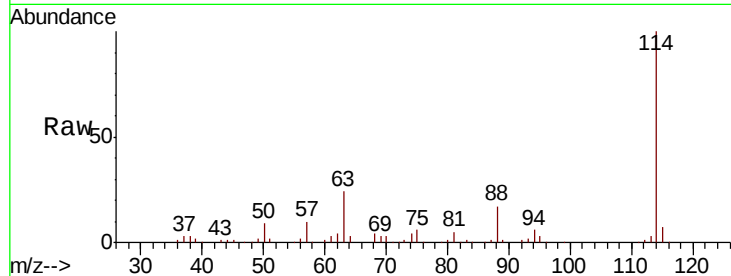




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028647.D
 Acq: 12 Dec 2018 13:09

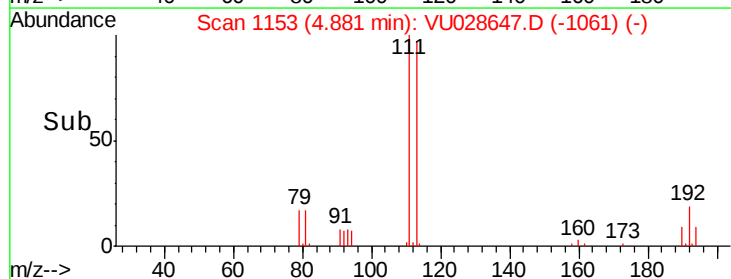
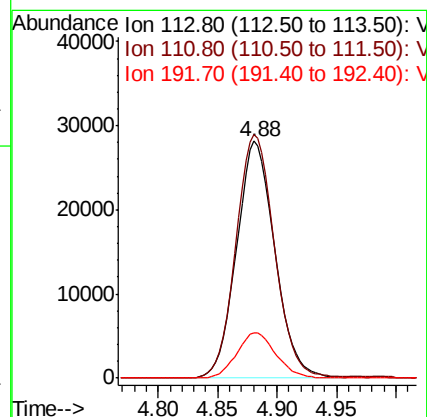
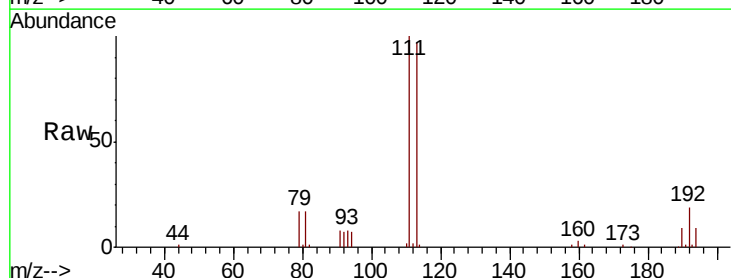
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01DL

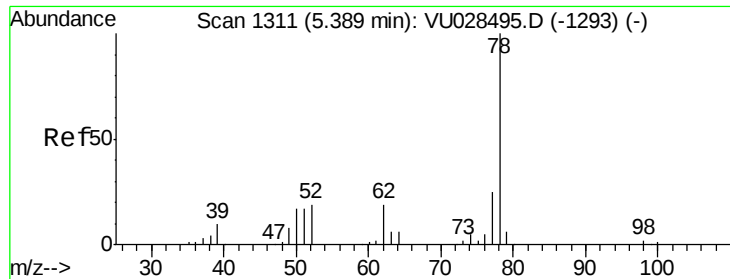
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	49.2
88	17.1	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 52.422 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028647.D
 Acq: 12 Dec 2018 13:09

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.4	125.0
192	19.3	14.8	22.2





#40

Benzene

Concen: 8.938 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

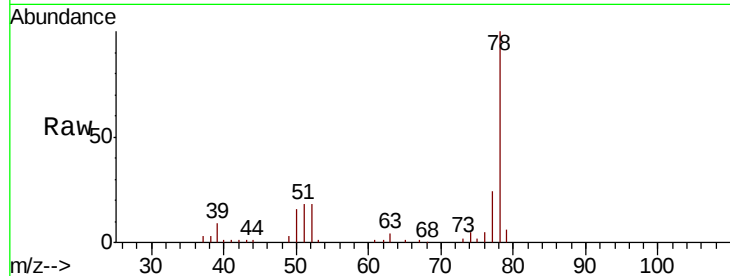
P001-SW001-01DL

Tot Ion: 78 Resp: 54851

Ion Ratio Lower Upper

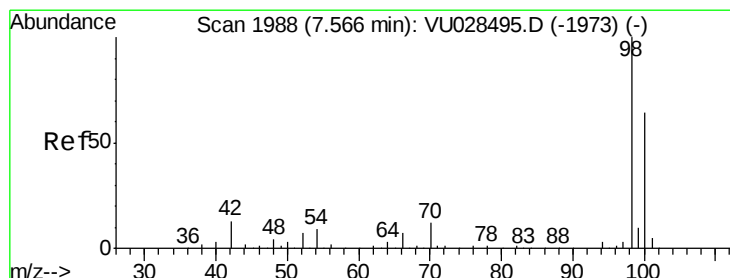
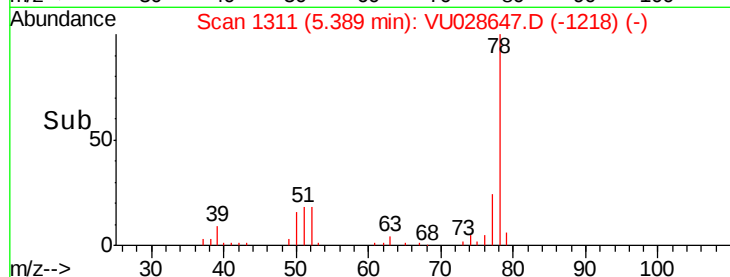
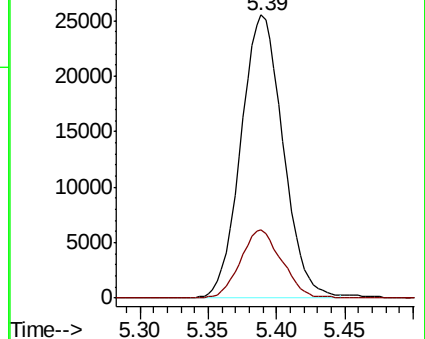
78 100

77 24.0 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VU028495.D (-1293) (-)

Ion 77.00 (76.70 to 77.70): VU028495.D (-1293) (-)



#50

Toluene-d8

Concen: 51.081 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028647.D

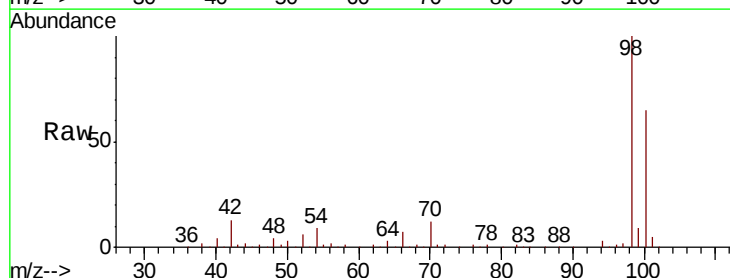
Acq: 12 Dec 2018 13:09

Tgt Ion: 98 Resp: 242124

Ion Ratio Lower Upper

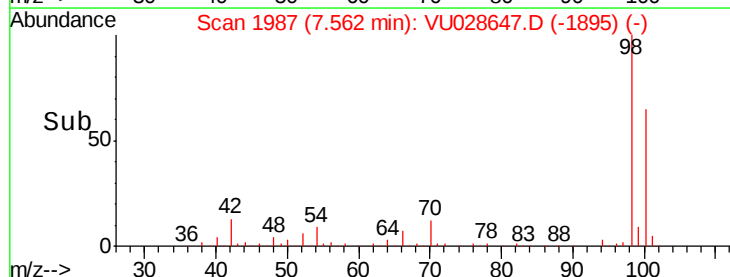
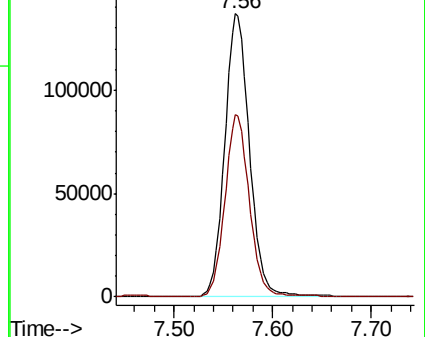
98 100

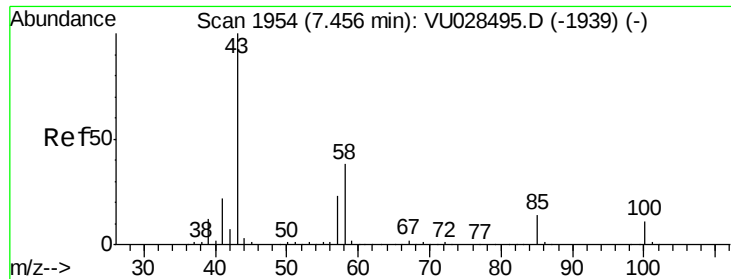
100 63.6 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)





#51

4-Methyl-2-Pentanone

Concen: 5.258 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

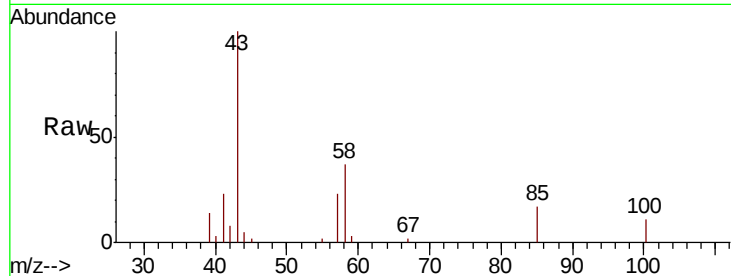
P001-SW001-01DL

Tot Ion: 43 Resp: 14129

Ion Ratio Lower Upper

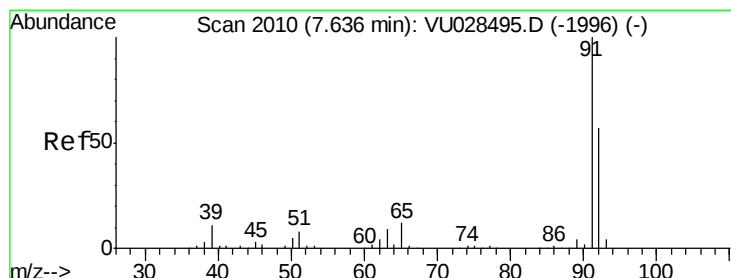
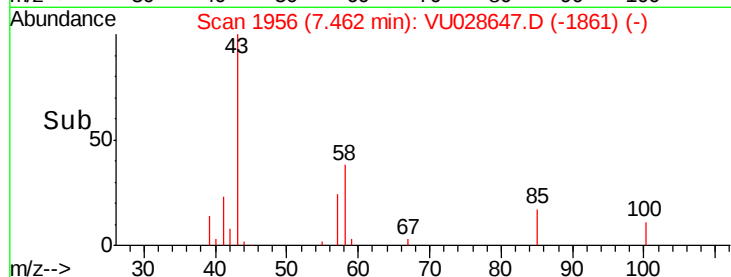
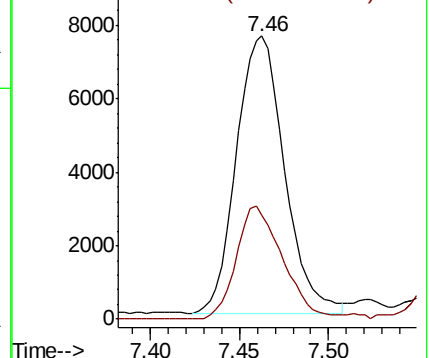
43 100

58 39.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 34.065 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028647.D

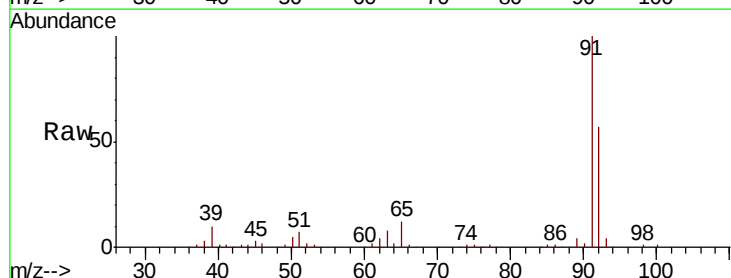
Acq: 12 Dec 2018 13:09

Tgt Ion: 92 Resp: 123027

Ion Ratio Lower Upper

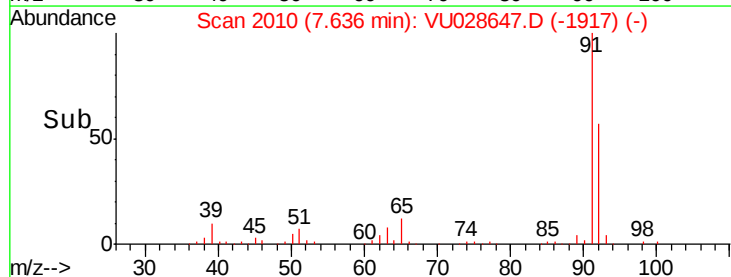
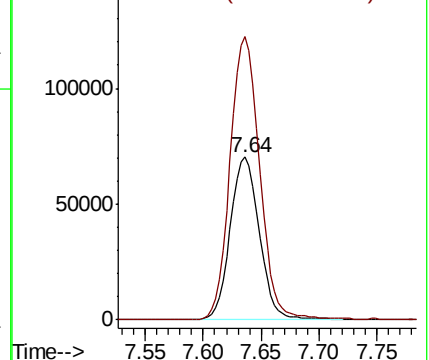
92 100

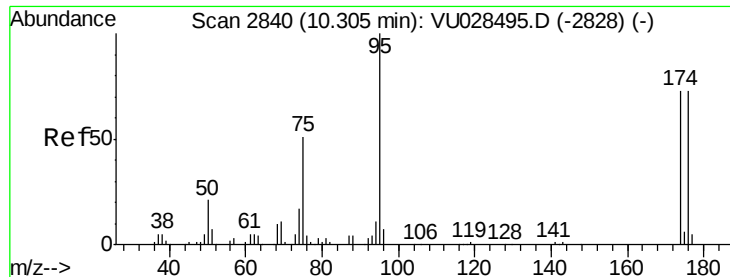
91 176.5 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

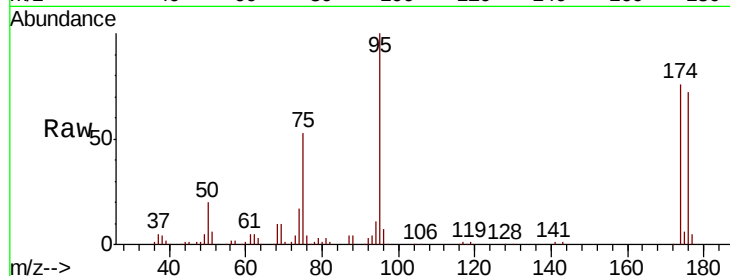




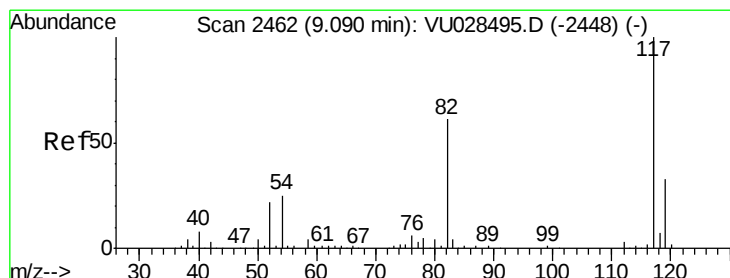
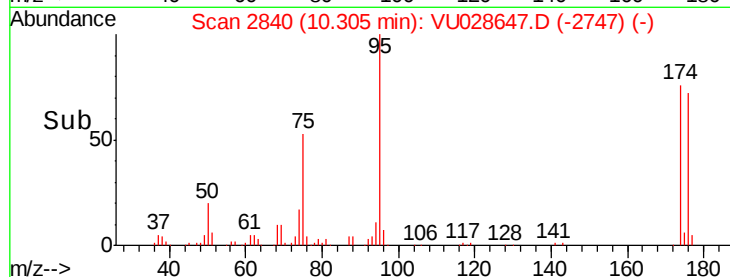
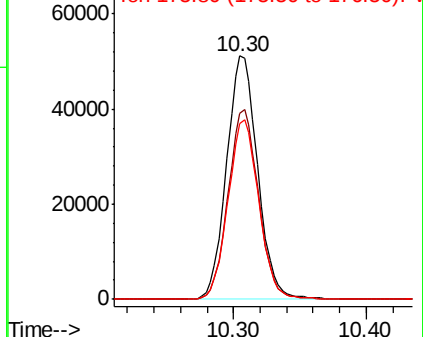
#62
4-Bromofluorobenzene
Concen: 46.984 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion: 95 Resp: 83239
Ion Ratio Lower Upper
95 100
174 76.7 0.0 150.4
176 73.2 0.0 145.2

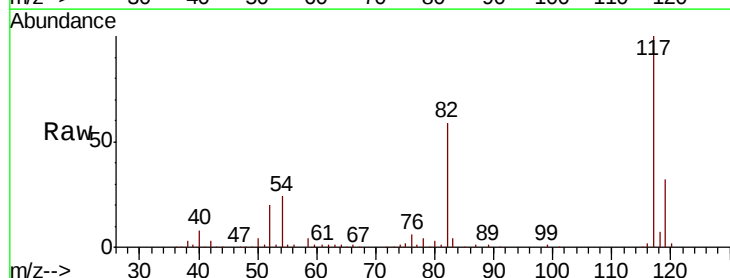


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

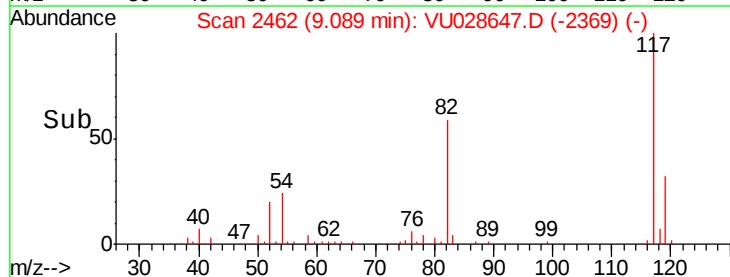
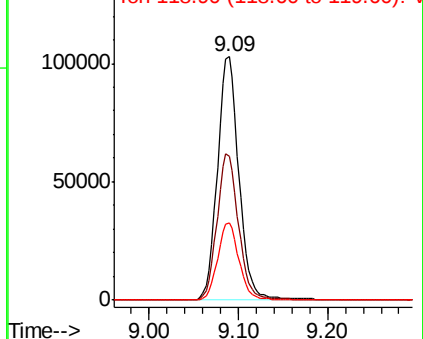


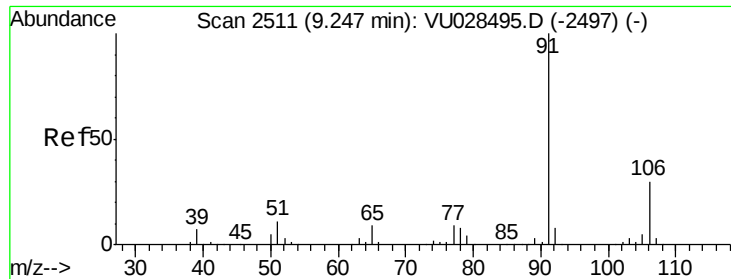
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Tgt Ion: 117 Resp: 171504
Ion Ratio Lower Upper
117 100
82 59.0 48.9 73.3
119 31.9 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)

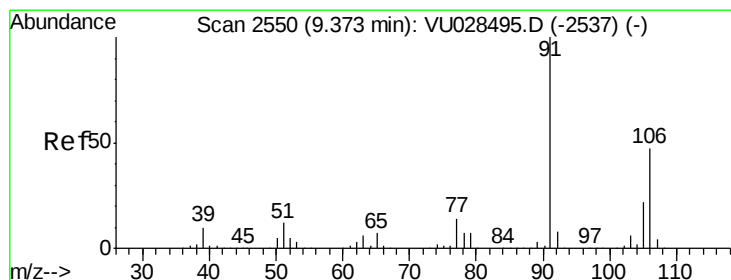
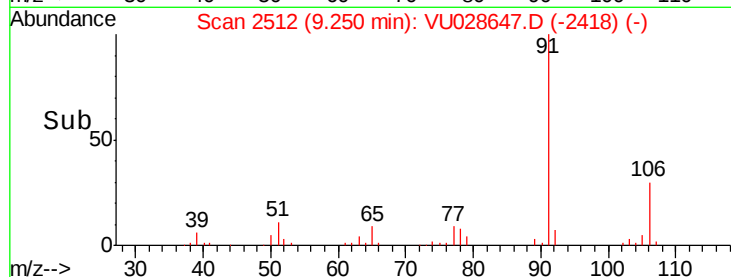
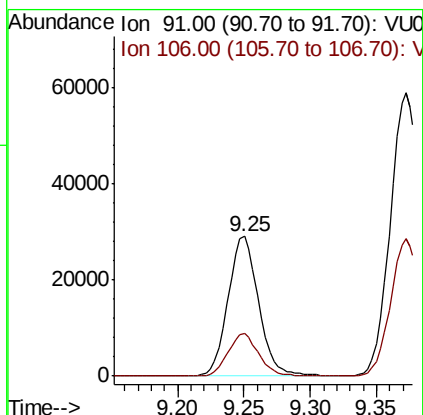
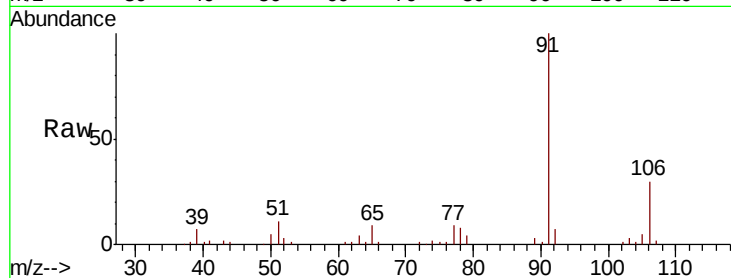




#67
Ethyl Benzene
Concen: 6.969 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

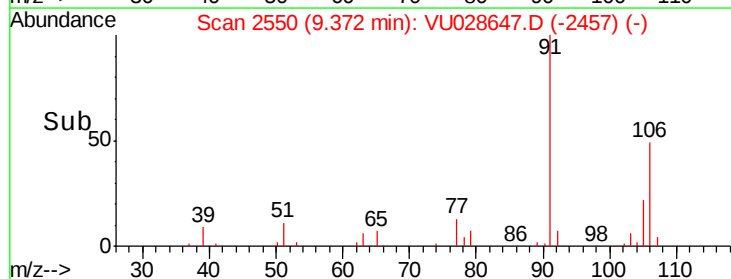
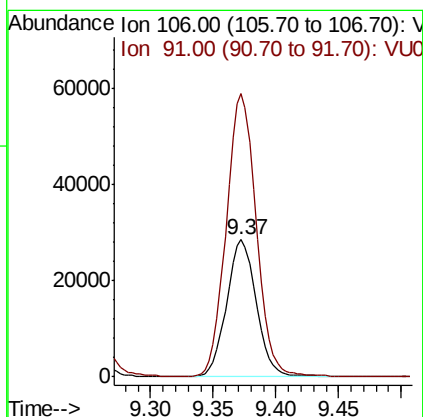
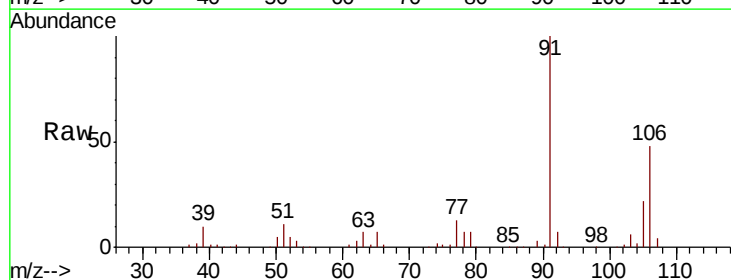
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

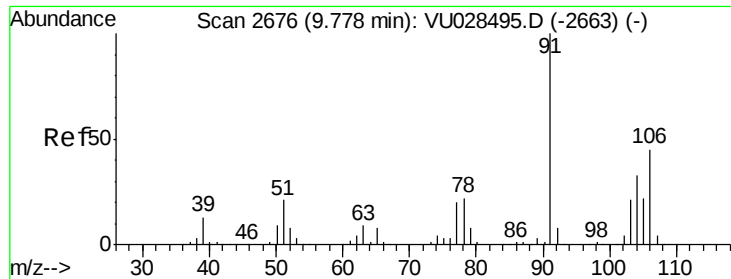
Tot Ion: 91 Resp: 46819
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1



#68
m/p-Xylenes
Concen: 19.257 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Tgt Ion: 106 Resp: 47075
Ion Ratio Lower Upper
106 100
91 208.4 167.4 251.0

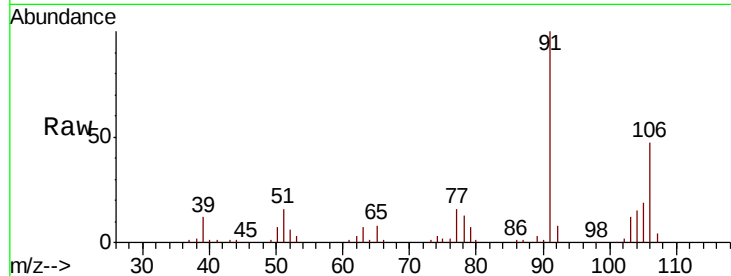




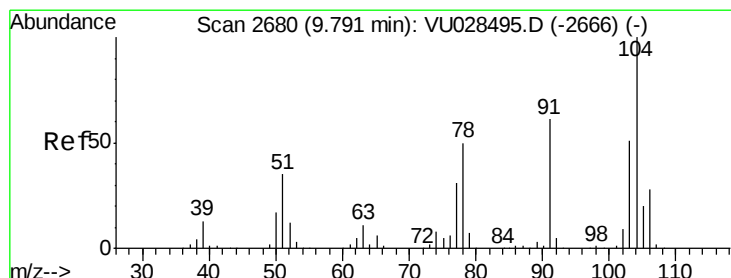
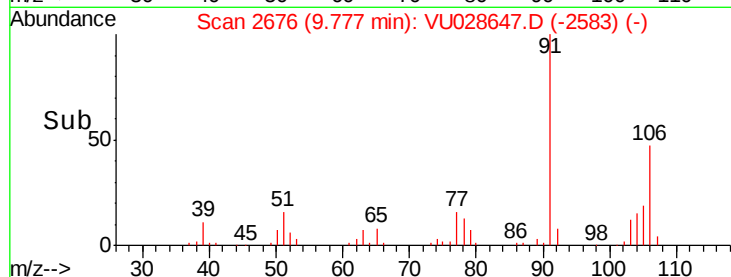
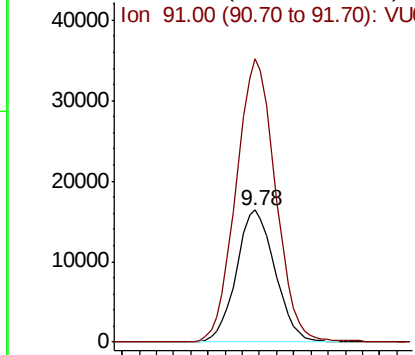
#69
o-Xylene
Concen: 10.786 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01DL

Tot Ion:106 Resp: 25624
Ion Ratio Lower Upper
106 100
91 219.2 111.3 334.0

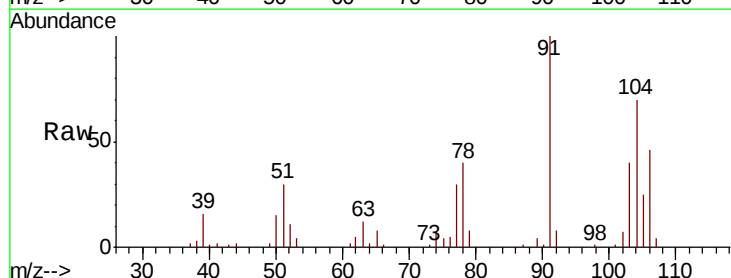


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

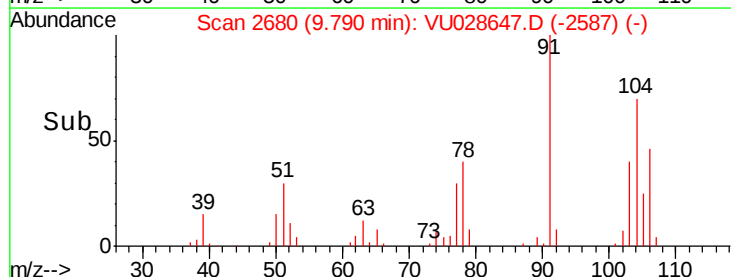
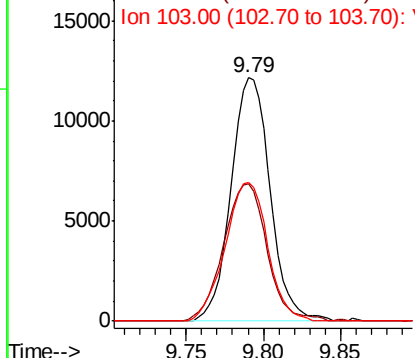


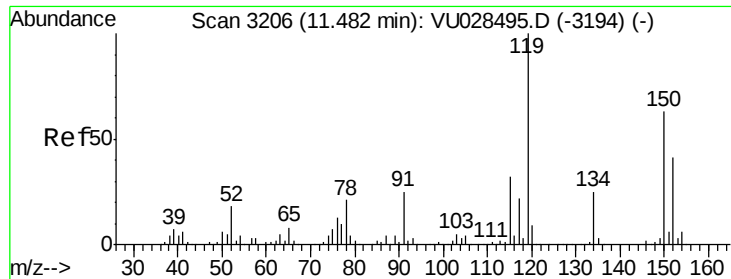
#70
Styrene
Concen: 5.419 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028647.D
Acq: 12 Dec 2018 13:09

Tgt Ion:104 Resp: 21305
Ion Ratio Lower Upper
104 100
78 62.7 43.0 64.6
103 62.0 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01DL

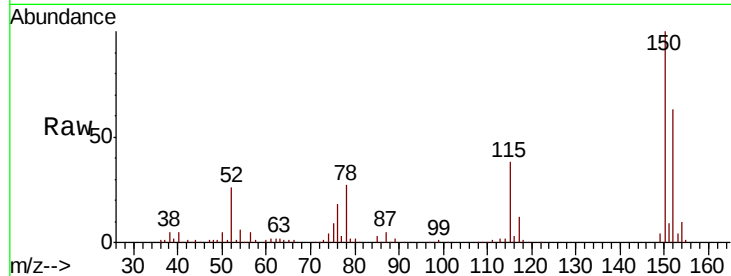
Tot Ion:152 Resp: 71047

Ion Ratio Lower Upper

152 100

115 60.0 42.7 128.1

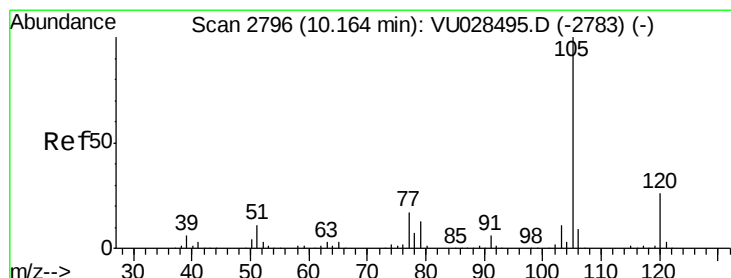
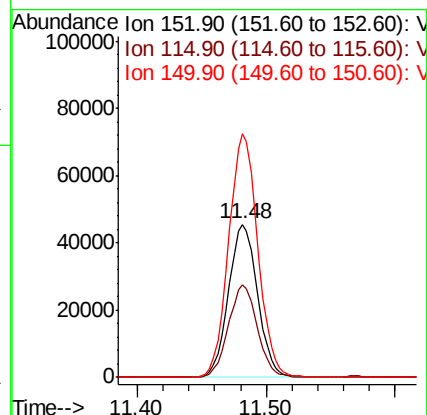
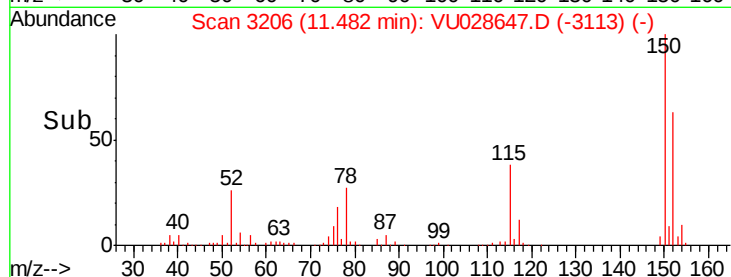
150 159.9 0.0 346.0



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: 0.642 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028647.D

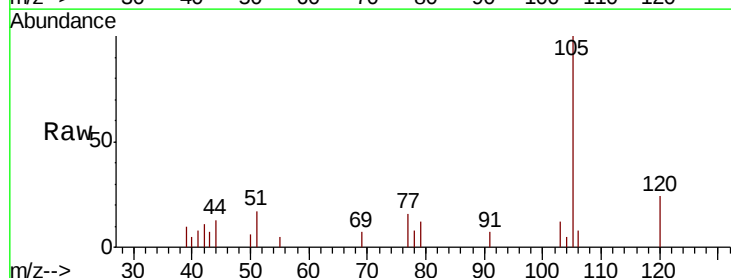
Acq: 12 Dec 2018 13:09

Tgt Ion:105 Resp: 3499

Ion Ratio Lower Upper

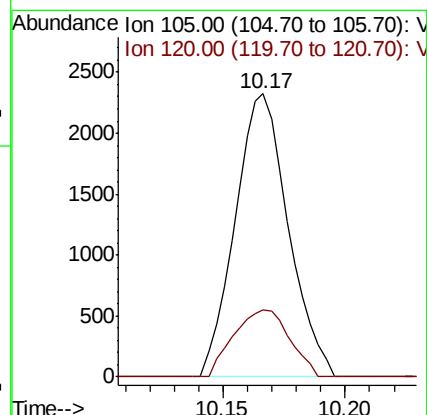
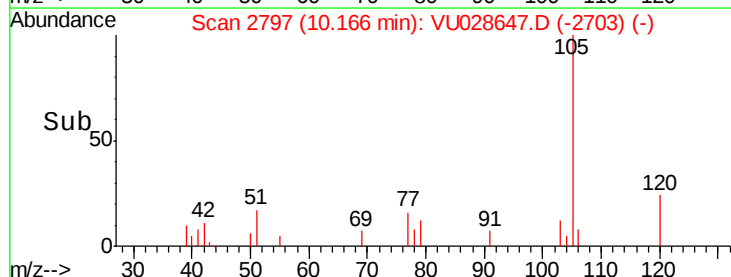
105 100

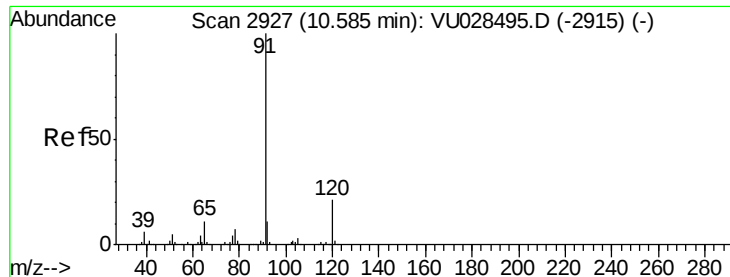
120 25.1 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.754 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

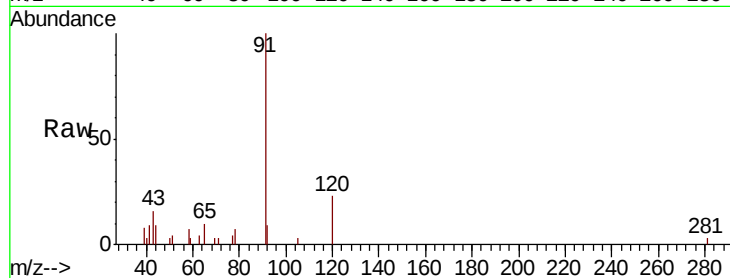
P001-SW001-01DL

Tot Ion: 91 Resp: 5106

Ion Ratio Lower Upper

91 100

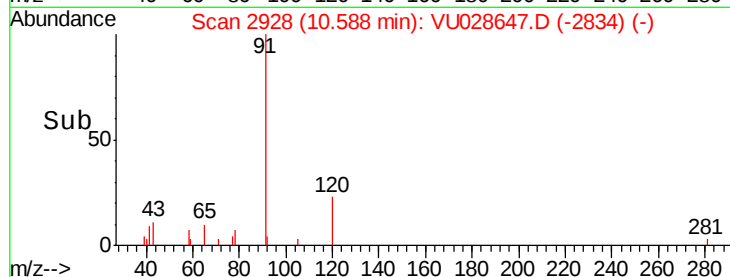
120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2915) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2915) (-)

10.59



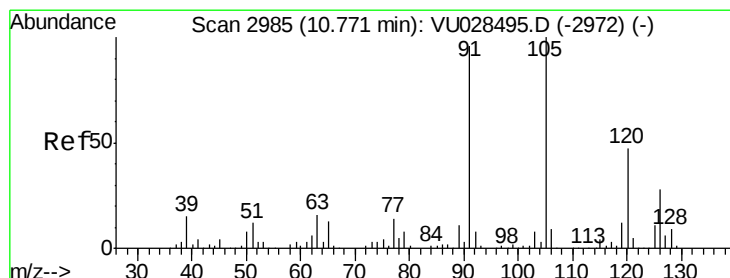
Abundance Ion 91.00 (90.70 to 91.70): VU028647.D (-2834) (-)

Ion 120.00 (119.70 to 120.70): VU028647.D (-2834) (-)

10.59

10.55 10.60

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.125 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU028647.D

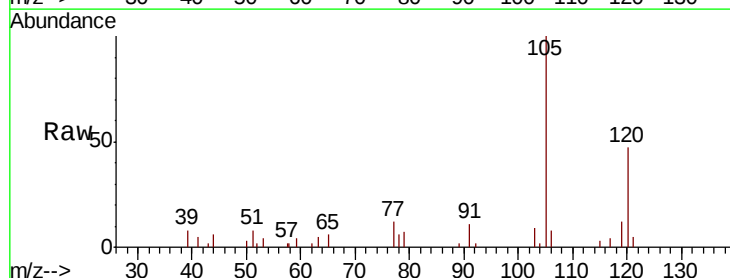
Acq: 12 Dec 2018 13:09

Tgt Ion: 105 Resp: 9591

Ion Ratio Lower Upper

105 100

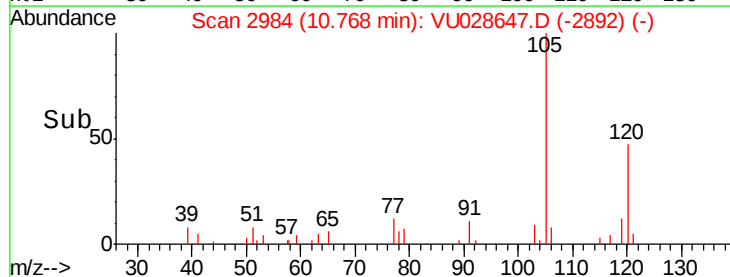
120 47.6 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

10.77



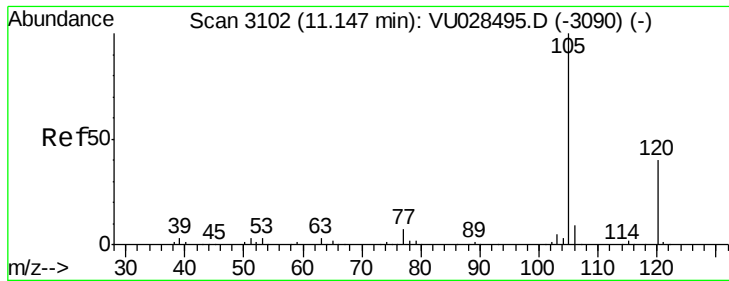
Abundance Ion 105.00 (104.70 to 105.70): VU028647.D (-2892) (-)

Ion 120.00 (119.70 to 120.70): VU028647.D (-2892) (-)

10.77

10.75 10.80

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 6.021 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. -0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

Instrument :

MSVOA_U

ClientSampleId :

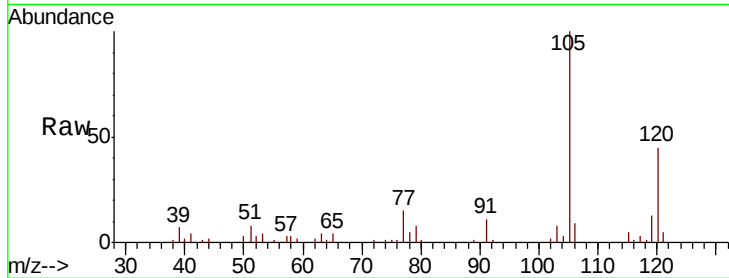
P001-SW001-01DL

Tot Ion:105 Resp: 28004

Ion Ratio Lower Upper

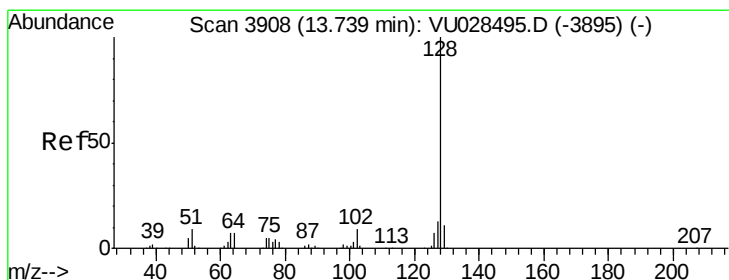
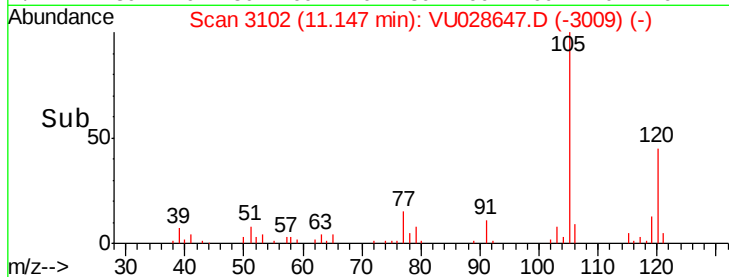
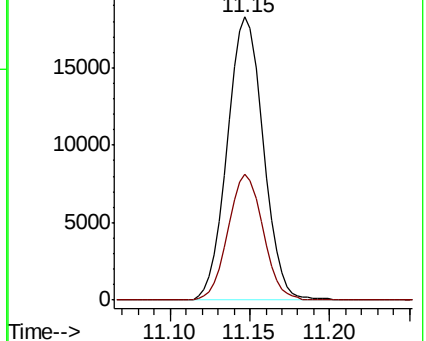
105 100

120 43.1 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 3.413 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028647.D

Acq: 12 Dec 2018 13:09

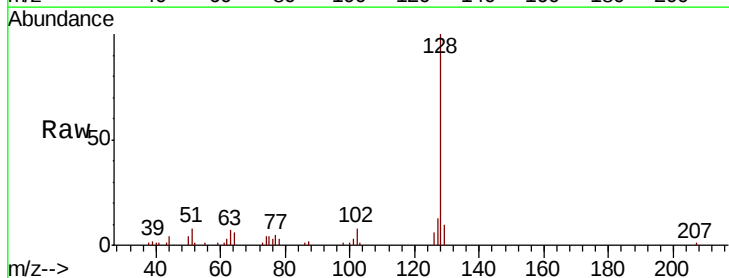
Tgt Ion:128 Resp: 19726

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 9.8 8.6 13.0



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

