

Data File : VU028923.D
Acq On : 22 Dec 2018 18:38
Operator : MD/SY
Sample : J6426-10ME 10X
Misc : 5.64g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

Quant Time: Dec 24 06:50:10 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	183748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	302269	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	264727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	120325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	105393	37.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.18%	
35) Dibromofluoromethane	4.88	113	91997	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	7.56	98	371621	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	10.30	95	123757	44.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.00%	

Target Compounds

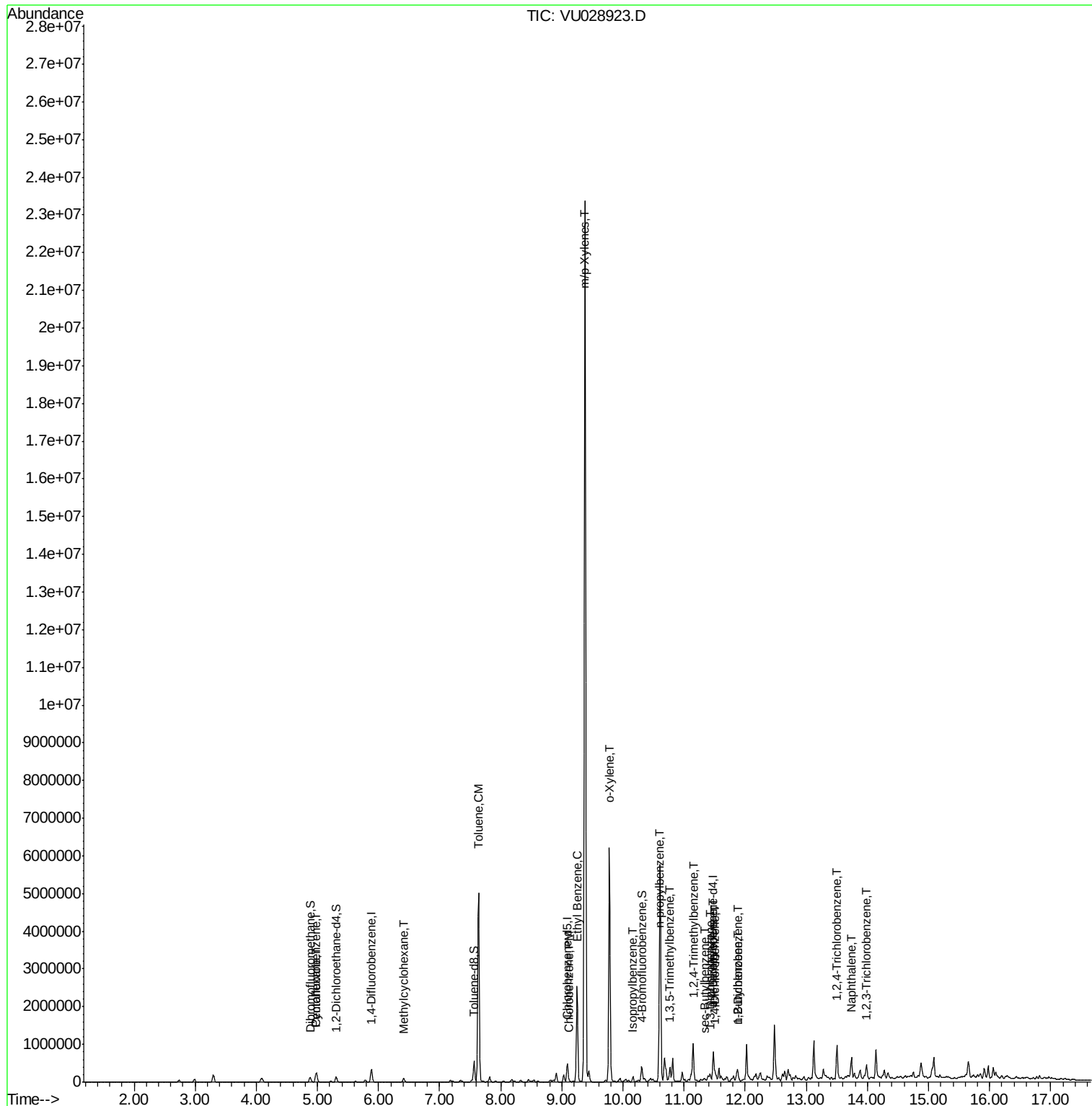
						Qvalue
31) Cyclohexane	4.99	56	17136	2.425	ug/l #	73
39) Methylcyclohexane	6.41	83	45797	11.349	ug/l	88
52) Toluene	7.64	92	2160835	376.892	ug/l	98
65) Chlorobenzene	9.12	112	11486	2.036	ug/l	98
67) Ethyl Benzene	9.25	91	1871301	180.452	ug/l	98
68) m/p-Xylenes	9.38	106	6870173	1820.684	ug/l	92
69) o-Xylene	9.78	106	1708664	465.958	ug/l	95
73) Isopropylbenzene	10.17	105	87813	9.511	ug/l	98
78) n-propylbenzene	10.58	91	168189	14.660	ug/l	89
80) 1,3,5-Trimethylbenzene	10.77	105	188520	24.666	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	546404	69.371	ug/l	97
85) sec-Butylbenzene	11.32	105	17285	1.826	ug/l	100
86) p-Isopropyltoluene	11.47	119	173234	21.549	ug/l	96
87) 1,3-Dichlorobenzene	11.42	146	13977	3.428	ug/l	95
88) 1,4-Dichlorobenzene	11.51	146	81451	19.308	ug/l	98
89) n-Butylbenzene	11.88	91	44607	5.483	ug/l #	34
91) 1,2-Dichlorobenzene	11.88	146	29891	7.329	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	256700	90.890	ug/l	99
95) Naphthalene	13.74	128	382799	39.113	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	114266	40.992	ug/l	95

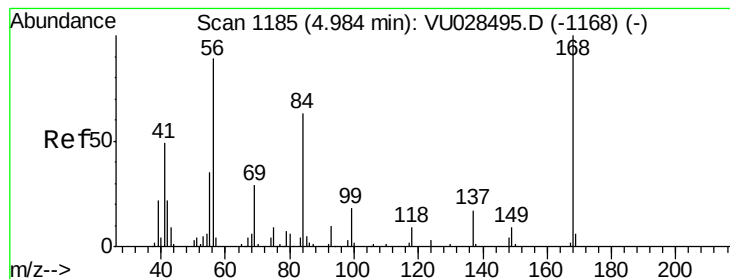
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU028923.D
Acq On : 22 Dec 2018 18:38
Operator : MD/SY
Sample : J6426-10ME 10X
Misc : 5.64g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

Quant Time: Dec 24 06:50:10 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

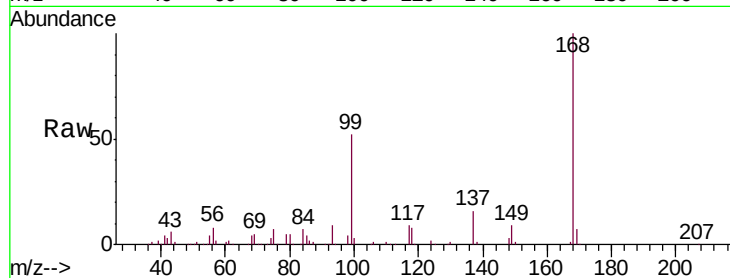
P001-SS013A-2430-01ME

Tgt Ion:168 Resp: 183748

Ion Ratio Lower Upper

168 100

99 52.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

80000

60000

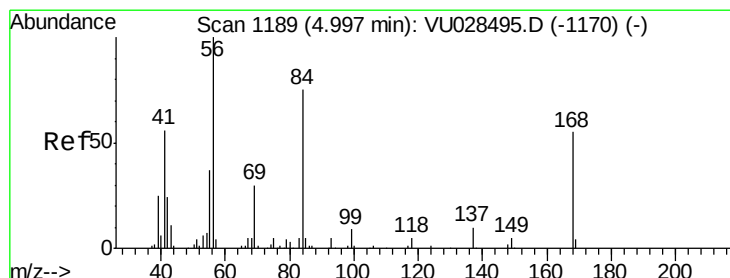
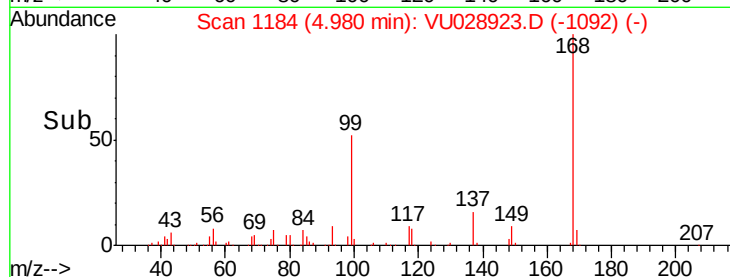
40000

20000

0

4.90 5.00 5.10

Time-->



#31

Cyclohexane

Concen: 2.425 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

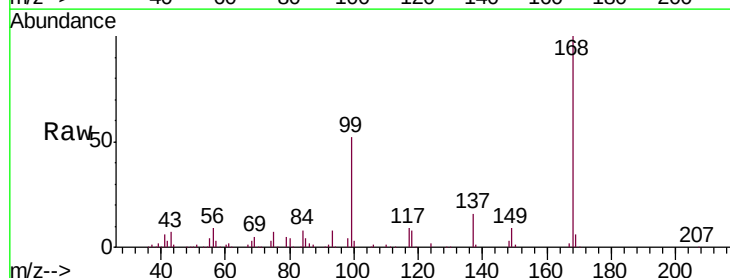
Tgt Ion: 56 Resp: 17136

Ion Ratio Lower Upper

56 100

69 57.4 24.0 36.0#

84 90.0 59.7 89.5#



Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-1170) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1170) (-)

Ion 84.00 (83.70 to 84.70): VU028495.D (-1170) (-)

4.99

8000

6000

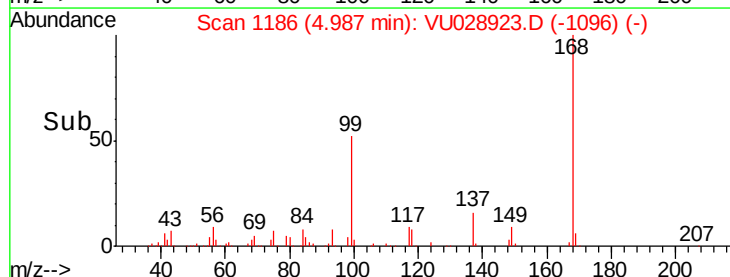
4000

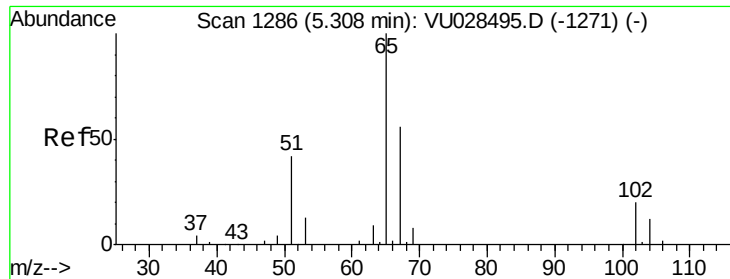
2000

0

4.90 4.95 5.00 5.05

Time-->

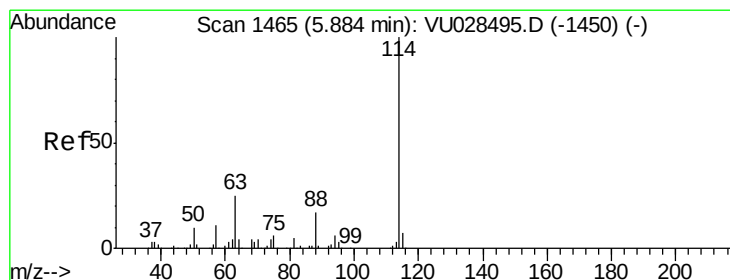
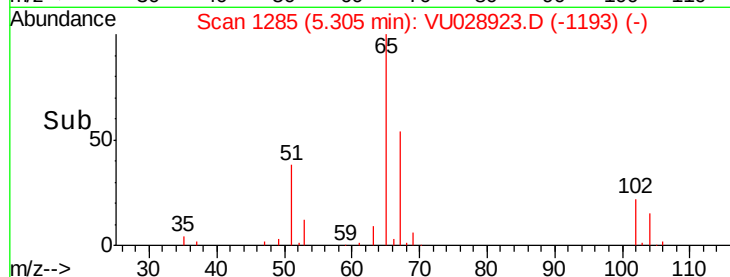
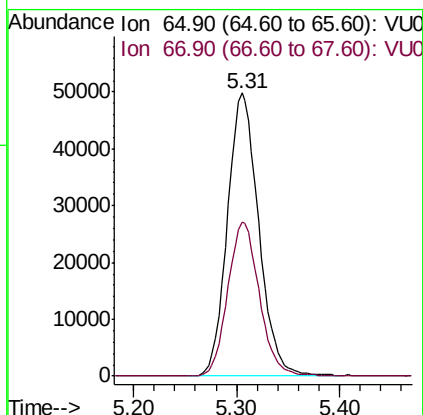
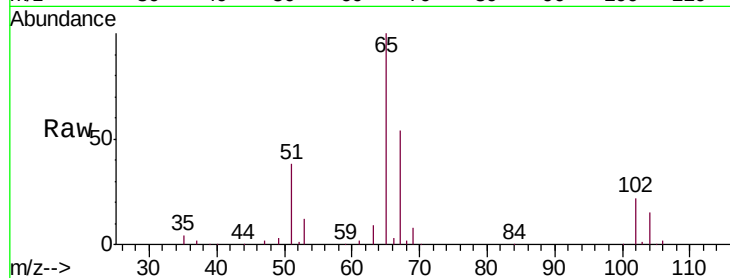




#33
 1,2-Dichloroethane-d4
 Concen: 37.585 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

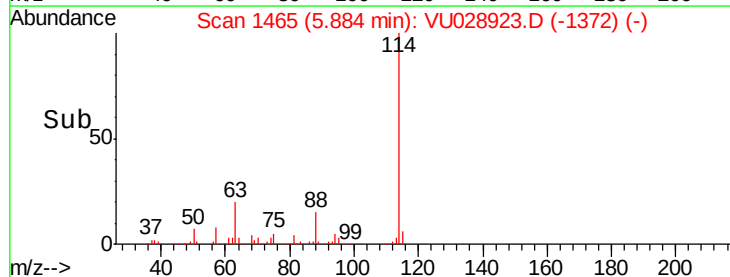
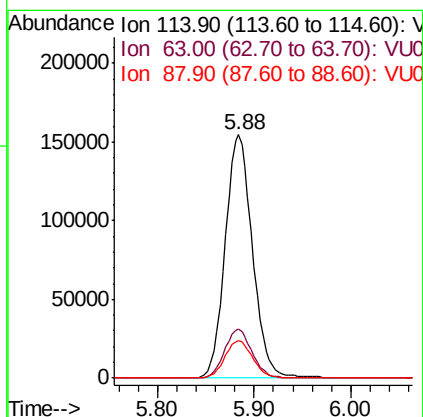
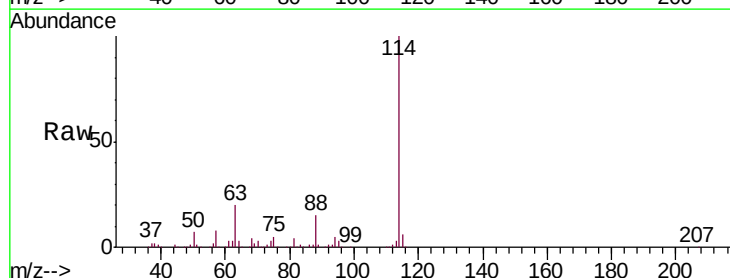
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

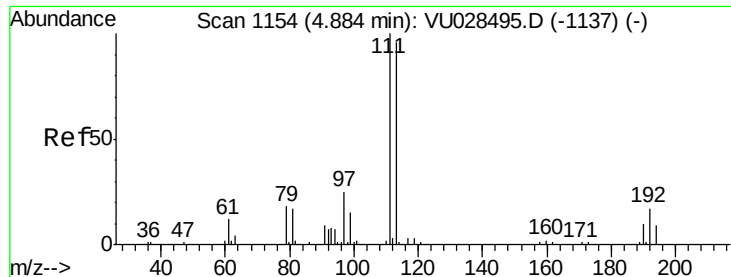
Tgt Ion: 65 Resp: 105393
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion: 114 Resp: 302269
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 49.2
 88 15.4 0.0 33.4

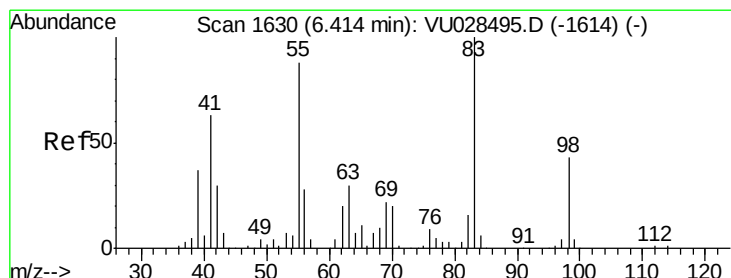
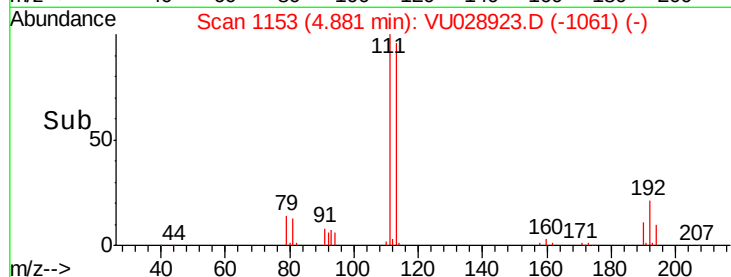
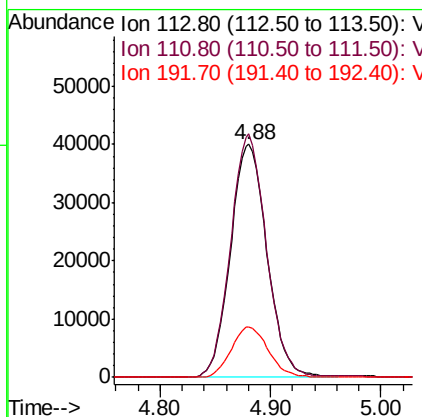
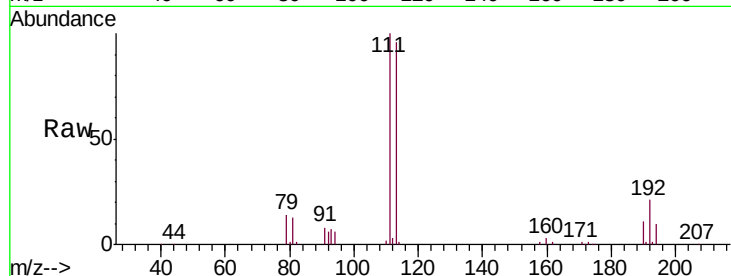




#35
Dibromofluoromethane
Concen: 48.363 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

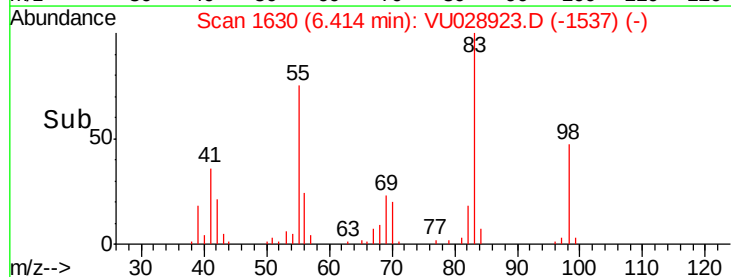
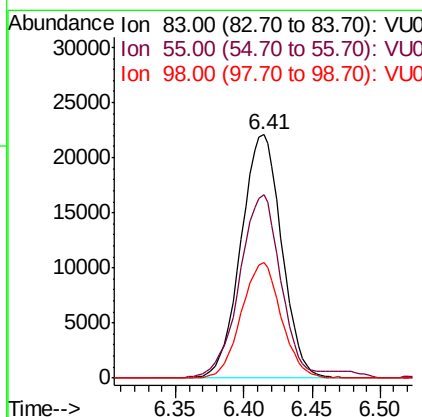
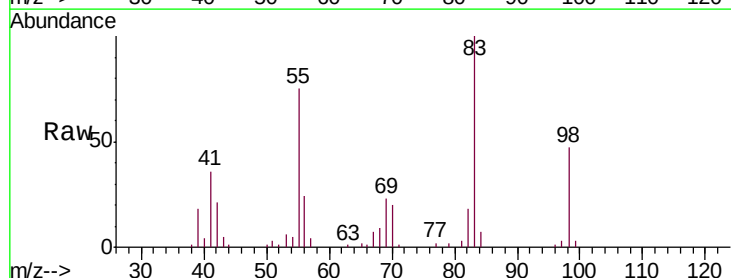
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

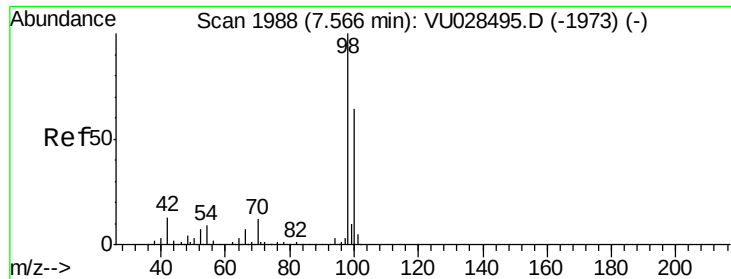
Tgt Ion:113 Resp: 91997
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.0
192 21.8 14.8 22.2



#39
Methylcyclohexane
Concen: 11.349 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion: 83 Resp: 45797
Ion Ratio Lower Upper
83 100
55 75.0 70.2 105.2
98 47.3 34.2 51.4

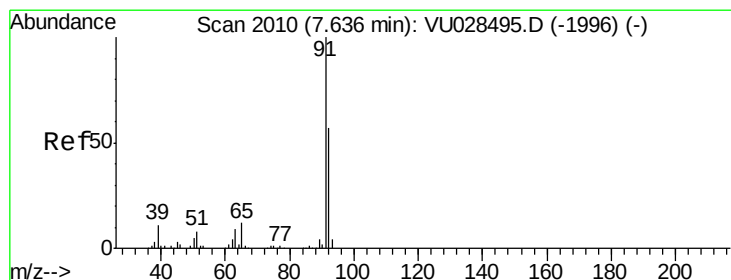
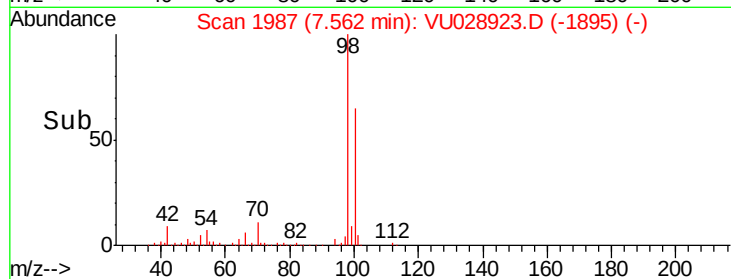
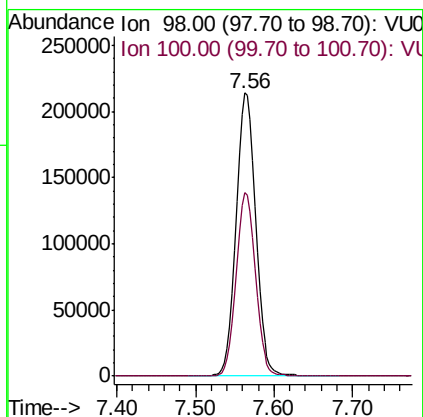
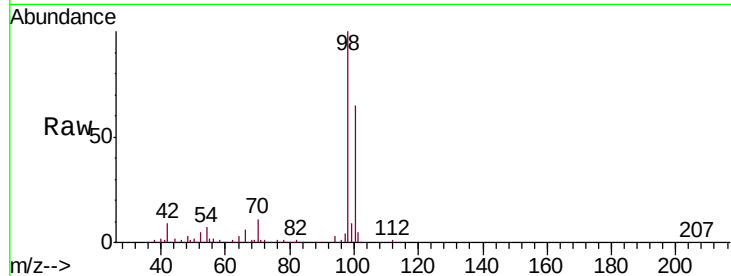




#50
Toluene-d8
Concen: 49.386 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

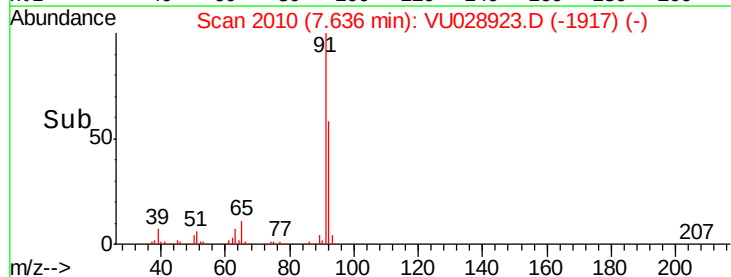
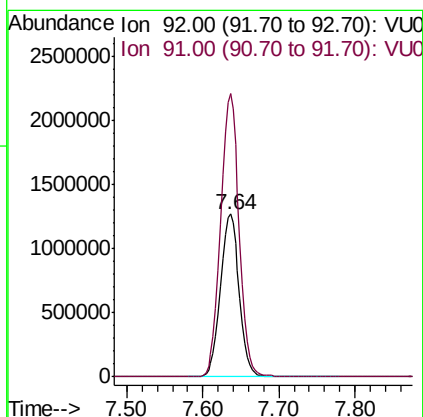
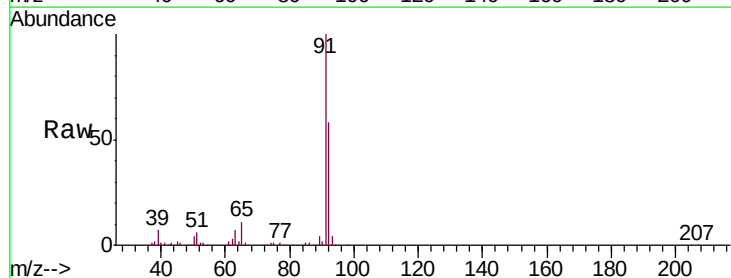
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

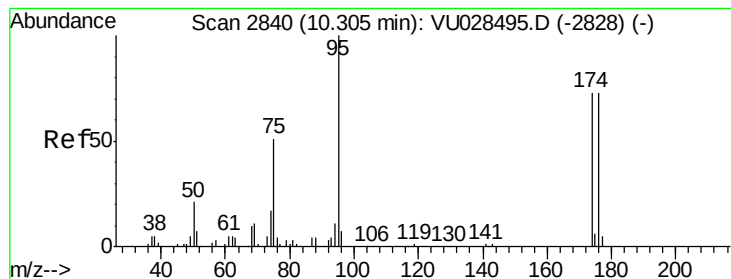
Tgt Ion: 98 Resp: 371621
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6



#52
Toluene
Concen: 376.892 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion: 92 Resp: 2160835
Ion Ratio Lower Upper
92 100
91 173.0 140.2 210.4





#62

4-Bromofluorobenzene

Concen: 44.003 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01ME

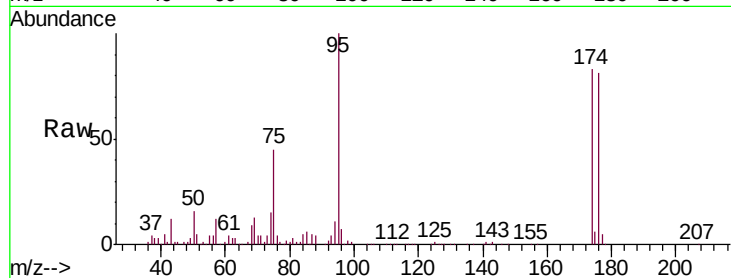
Tgt Ion: 95 Resp: 123757

Ion Ratio Lower Upper

95 100

174 84.8 0.0 150.4

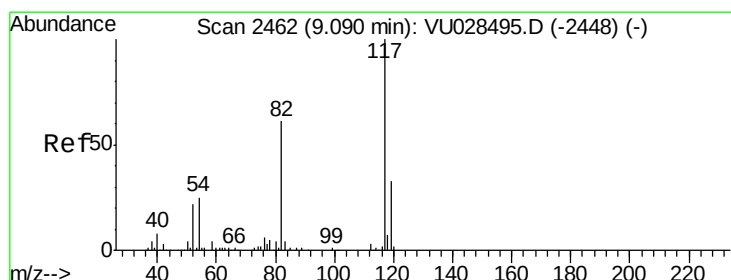
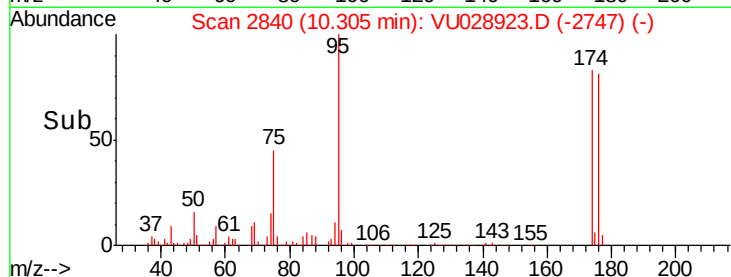
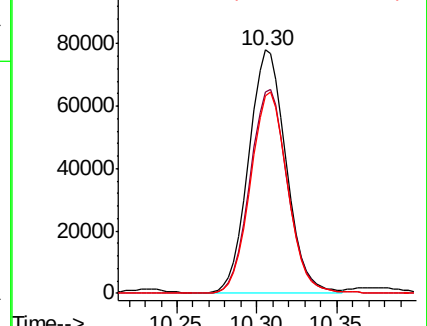
176 82.6 0.0 145.2



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: VU028923.D

Acq: 22 Dec 2018 18:38

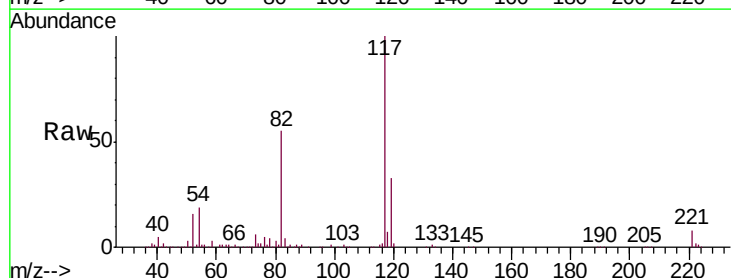
Tgt Ion: 117 Resp: 264727

Ion Ratio Lower Upper

117 100

82 54.5 48.9 73.3

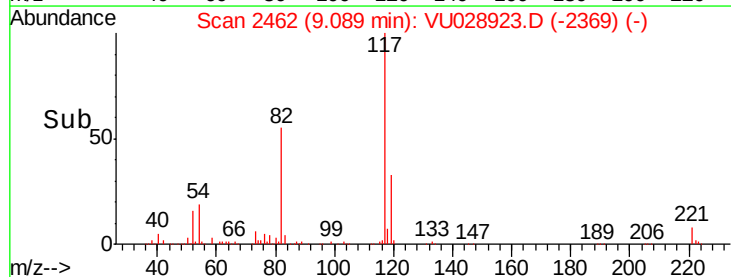
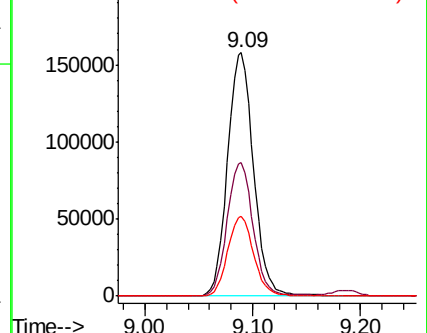
119 32.8 26.2 39.4

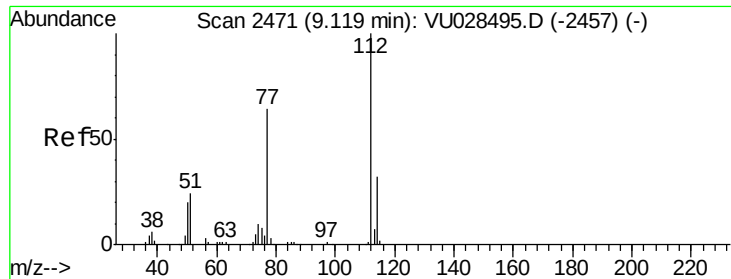


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)





#65

Chlorobenzene

Concen: 2.036 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

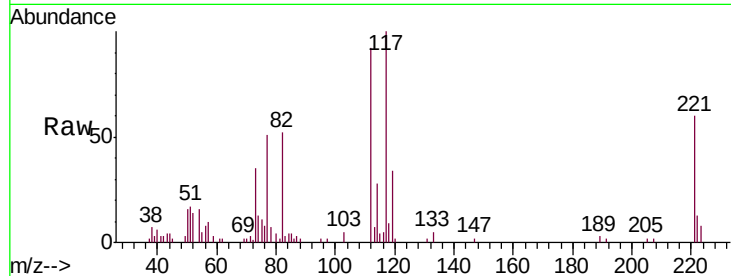
P001-SS013A-2430-01ME

Tgt Ion: 112 Resp: 11486

Ion Ratio Lower Upper

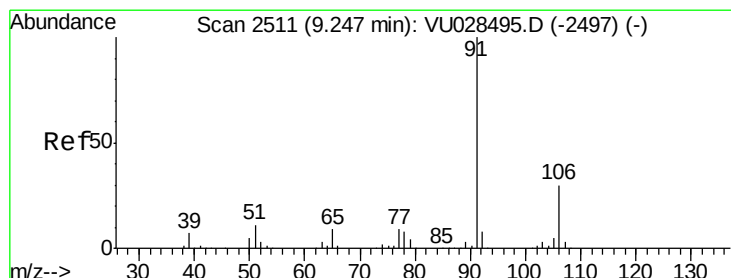
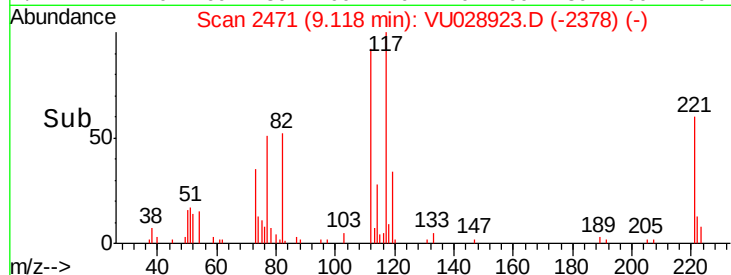
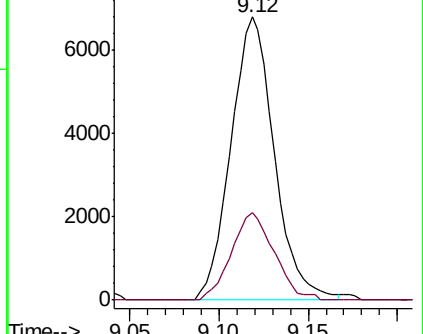
112 100

114 30.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 180.452 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028923.D

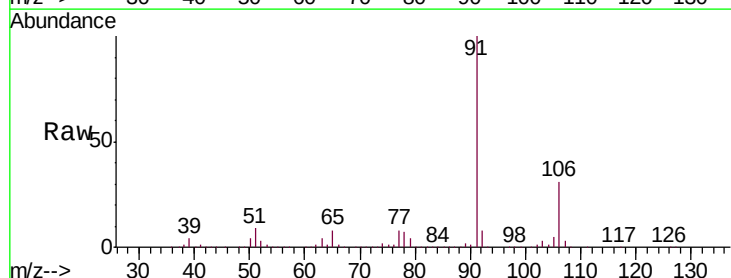
Acq: 22 Dec 2018 18:38

Tgt Ion: 91 Resp: 1871301

Ion Ratio Lower Upper

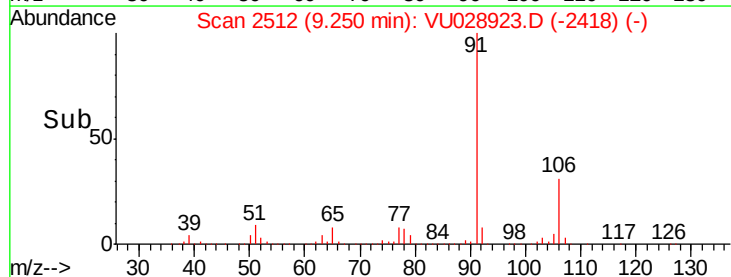
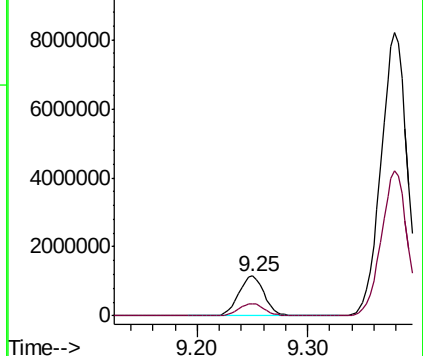
91 100

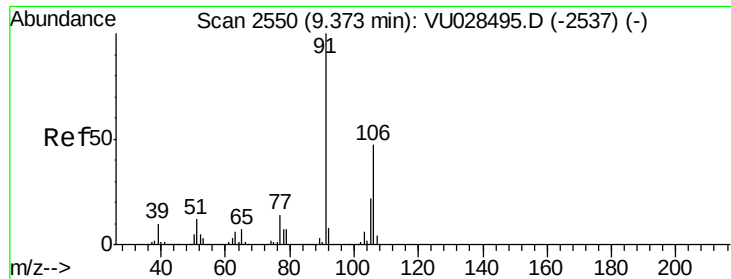
106 31.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

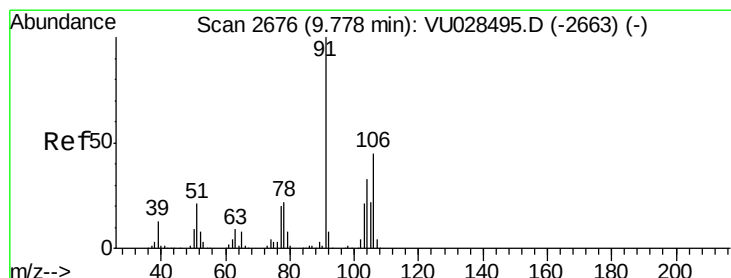
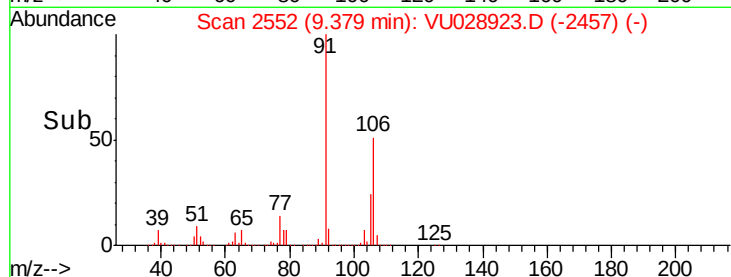
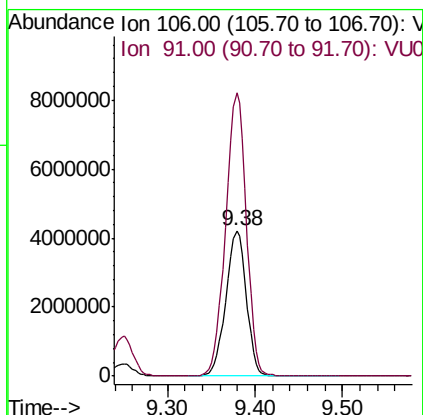
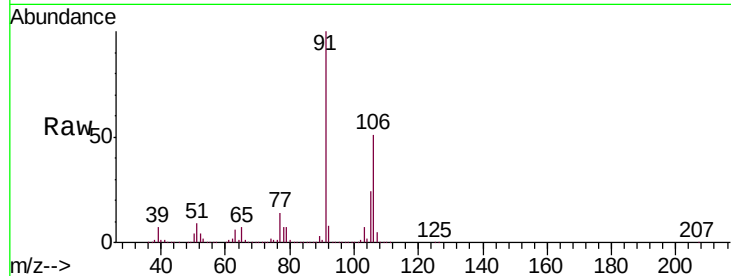




#68
m/p-Xylenes
Concen: 1820.684 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.01 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

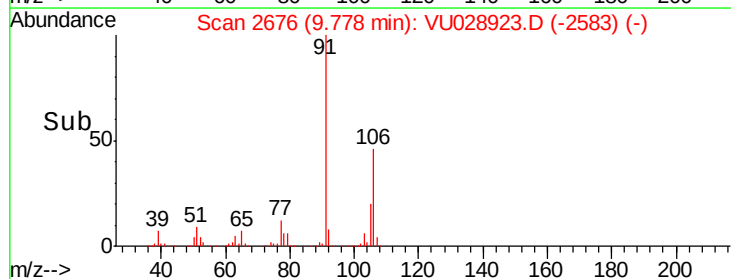
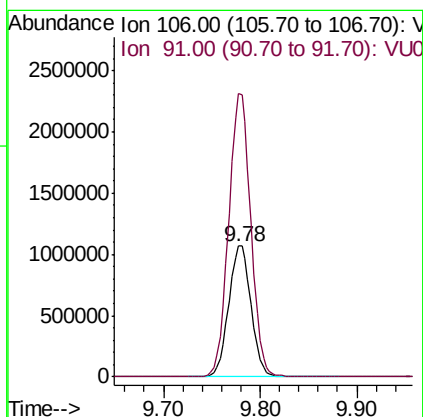
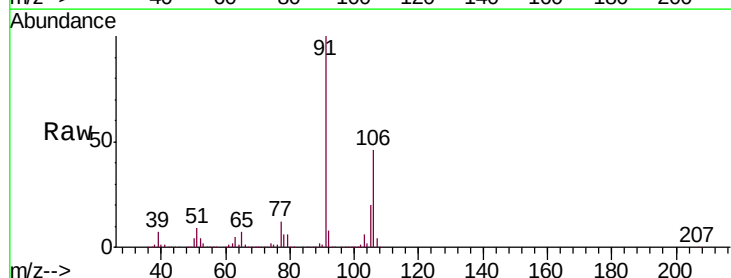
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

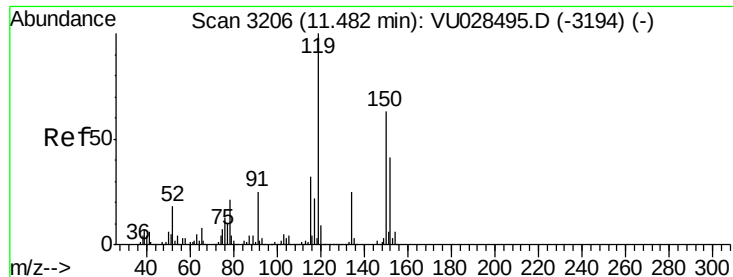
Tgt Ion:106 Resp: 6870173
Ion Ratio Lower Upper
106 100
91 196.7 167.4 251.0



#69
o-Xylene
Concen: 465.958 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion:106 Resp: 1708664
Ion Ratio Lower Upper
106 100
91 214.5 111.3 334.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01ME

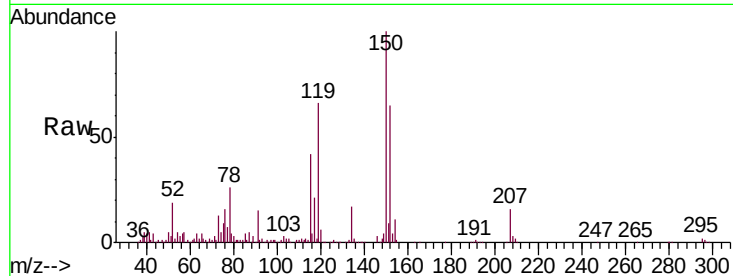
Tgt Ion:152 Resp: 120325

Ion Ratio Lower Upper

152 100

115 68.3 42.7 128.1

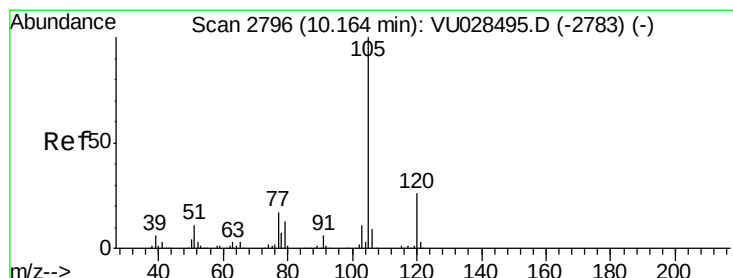
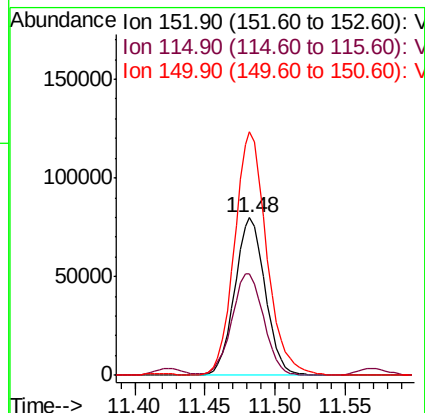
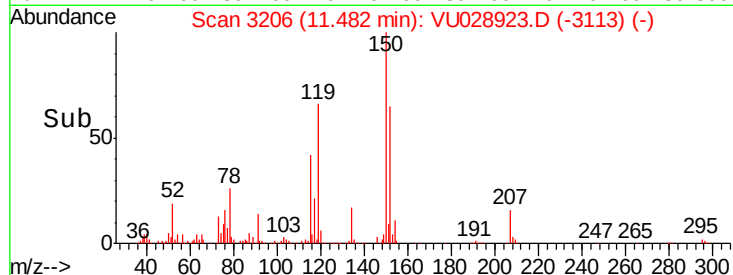
150 162.8 0.0 346.0



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: 9.511 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028923.D

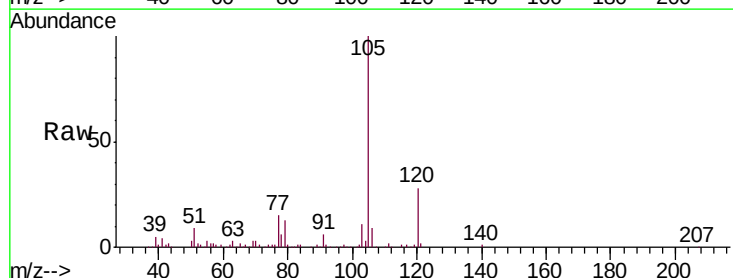
Acq: 22 Dec 2018 18:38

Tgt Ion:105 Resp: 87813

Ion Ratio Lower Upper

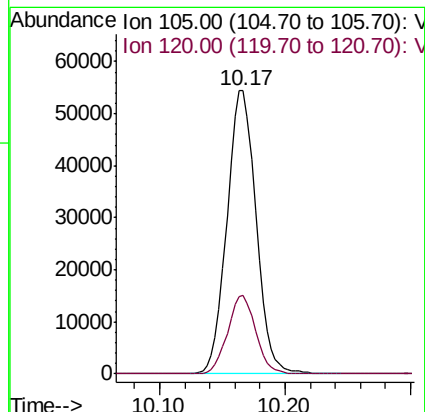
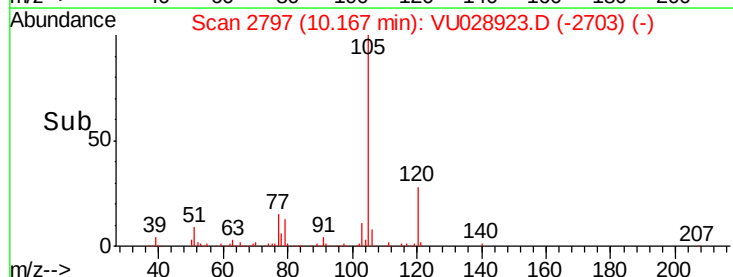
105 100

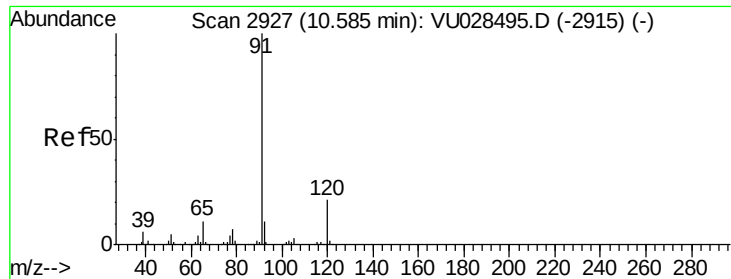
120 26.7 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

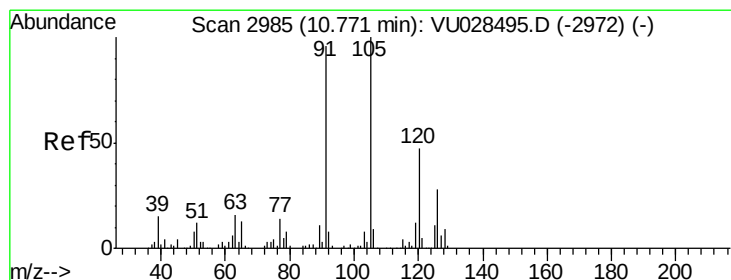
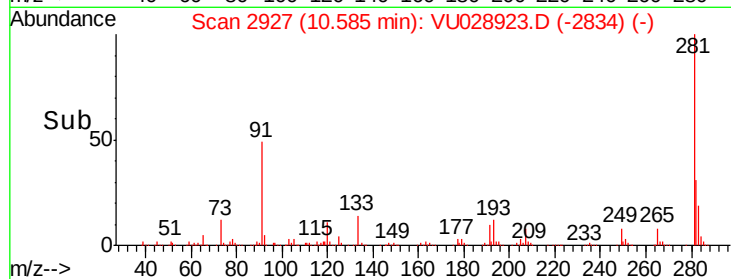
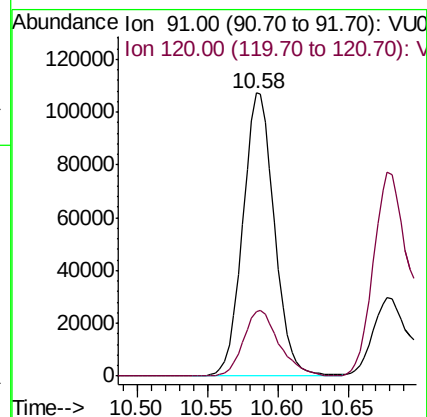
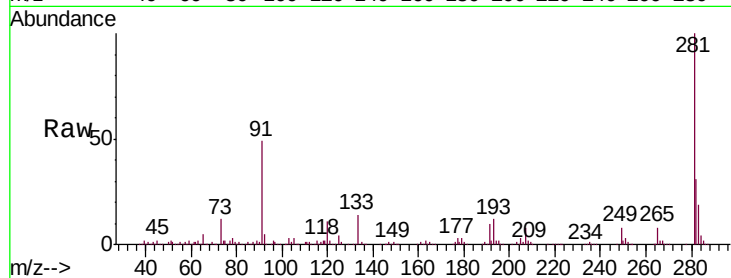




#78
n-propylbenzene
Concen: 14.660 ug/l
RT: 10.58 min Scan# 2927
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

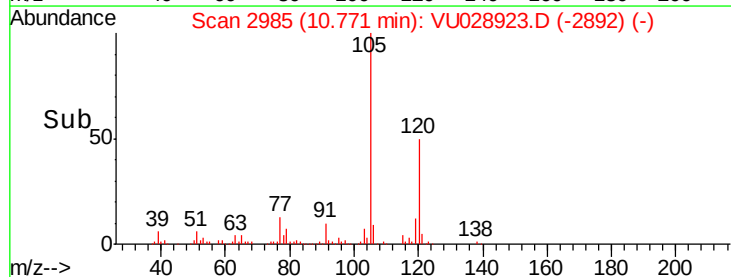
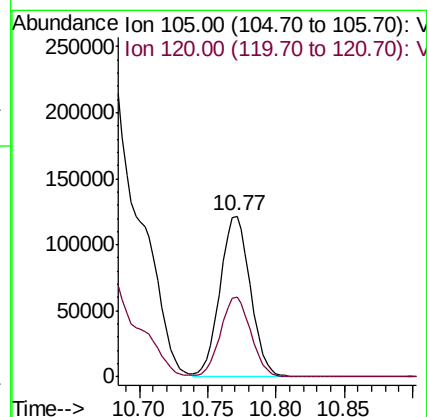
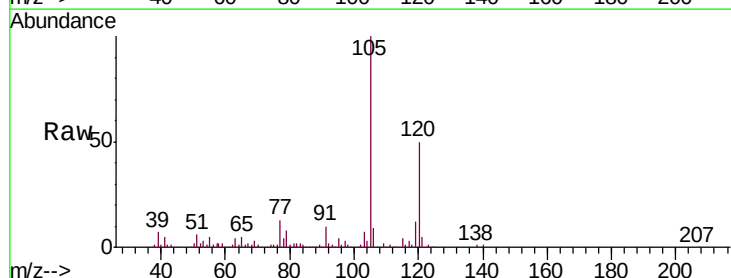
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

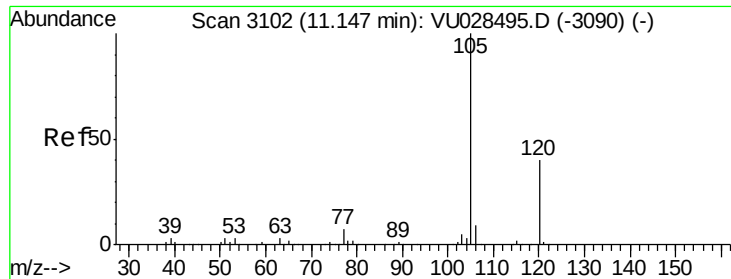
Tgt Ion: 91 Resp: 168189
Ion Ratio Lower Upper
91 100
120 26.3 10.6 31.8



#80
1,3,5-Trimethylbenzene
Concen: 24.666 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion: 105 Resp: 188520
Ion Ratio Lower Upper
105 100
120 49.8 23.7 71.1

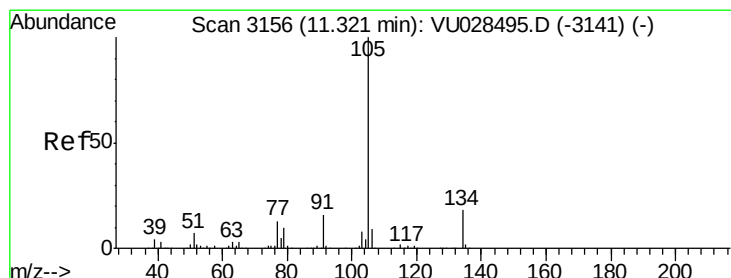
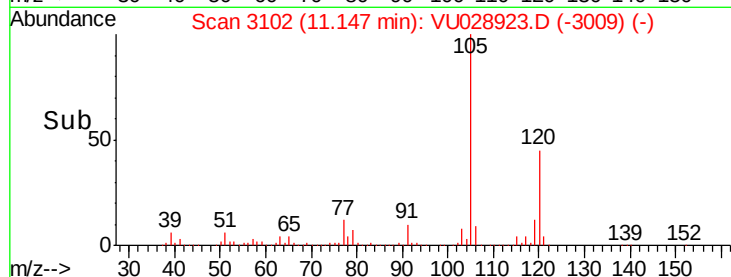
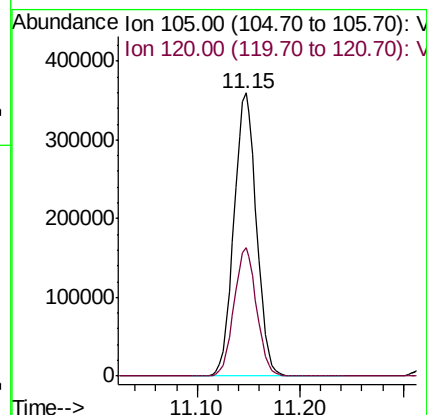
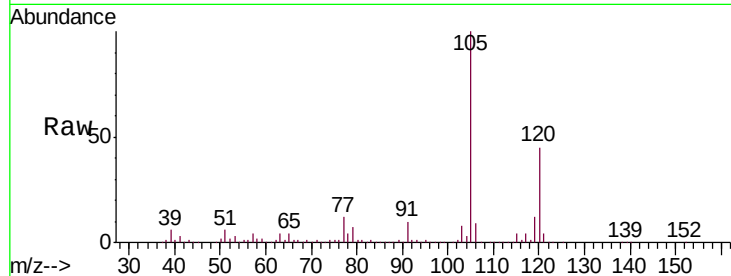




#84
 1,2,4-Trimethylbenzene
 Concen: 69.371 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

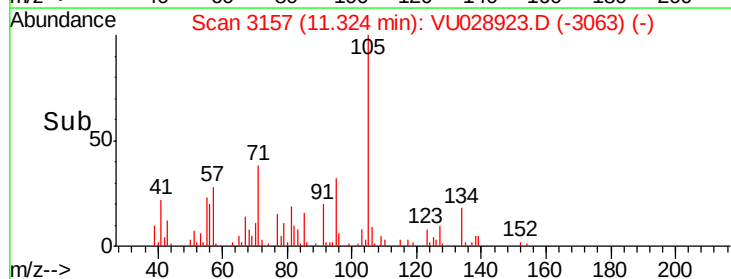
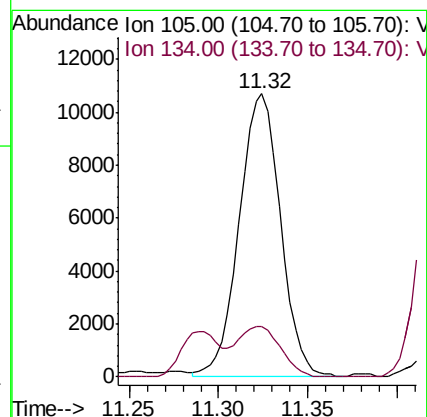
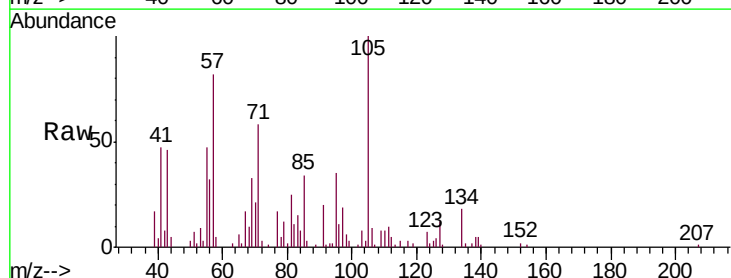
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

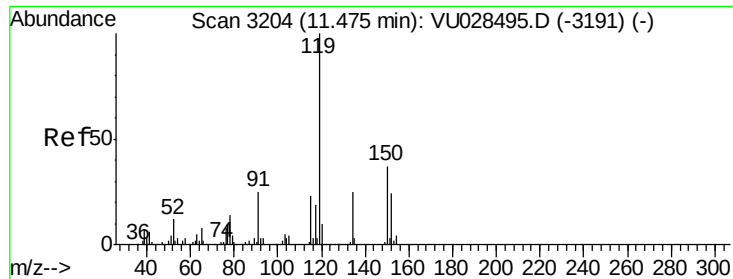
Tgt Ion:105 Resp: 546404
 Ion Ratio Lower Upper
 105 100
 120 45.5 21.8 65.4



#85
 sec-Butylbenzene
 Concen: 1.826 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion:105 Resp: 17285
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.2 27.6

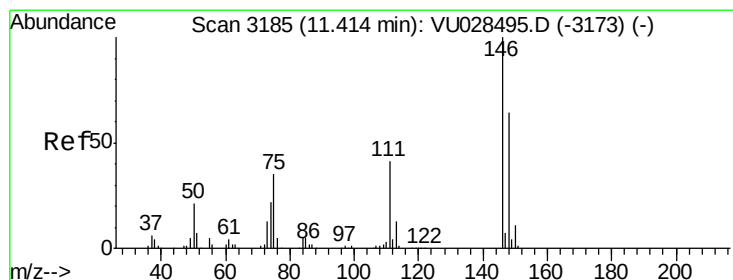
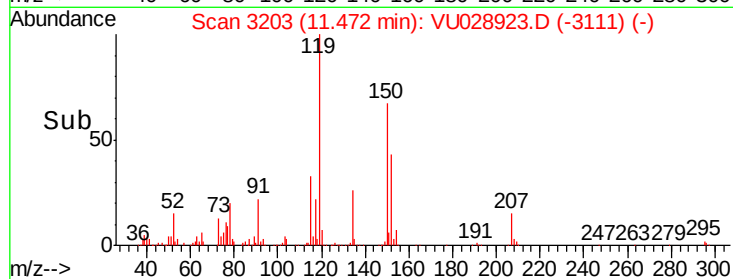
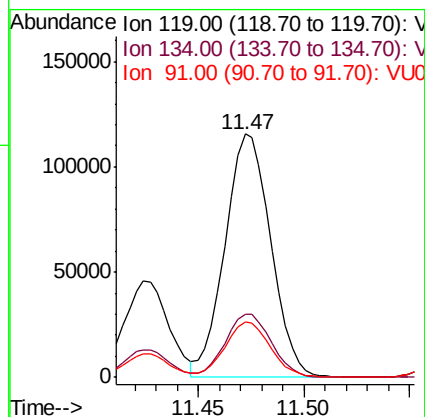
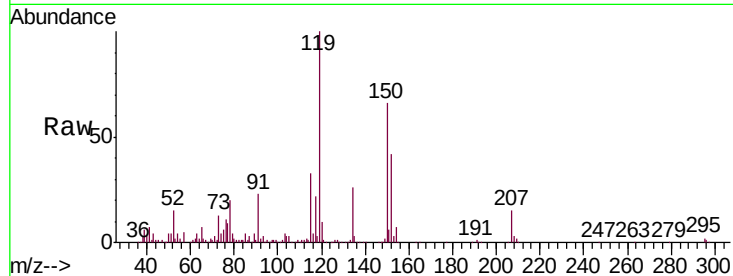




#86
p-Isopropyltoluene
Concen: 21.549 ug/l
RT: 11.47 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

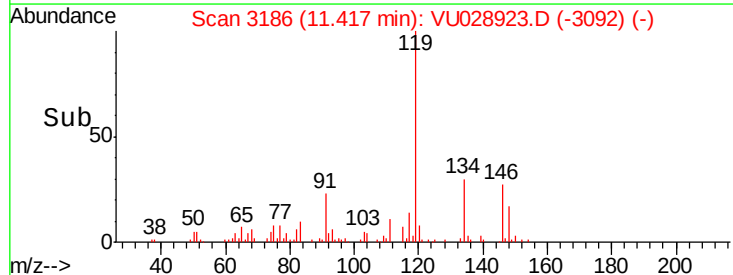
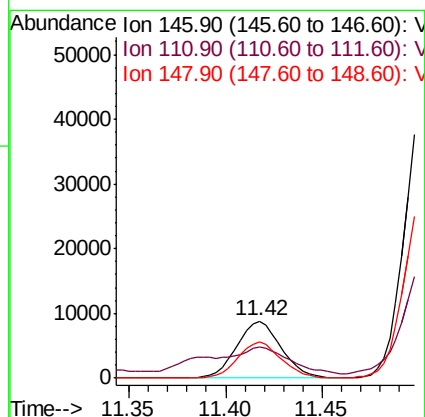
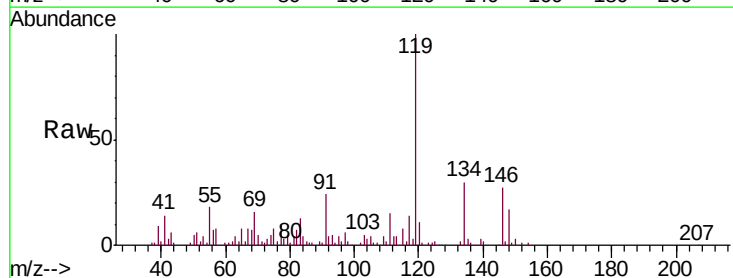
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-2430-01ME

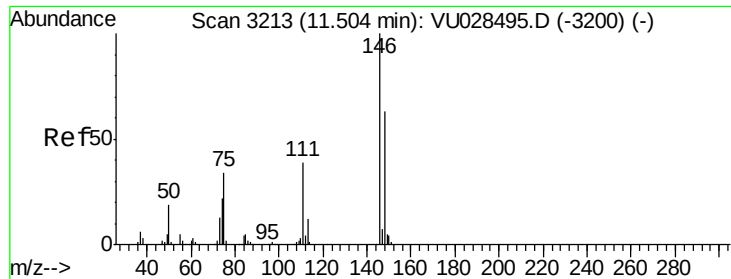
Tgt Ion:119 Resp: 173234
Ion Ratio Lower Upper
119 100
134 26.5 12.7 38.1
91 22.5 12.6 37.6



#87
1,3-Dichlorobenzene
Concen: 3.428 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU028923.D
Acq: 22 Dec 2018 18:38

Tgt Ion:146 Resp: 13977
Ion Ratio Lower Upper
146 100
111 47.9 20.7 62.1
148 62.7 31.9 95.7

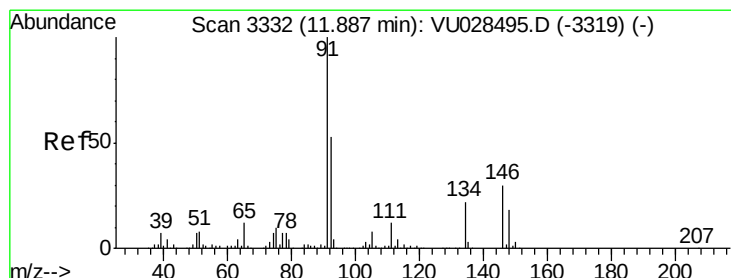
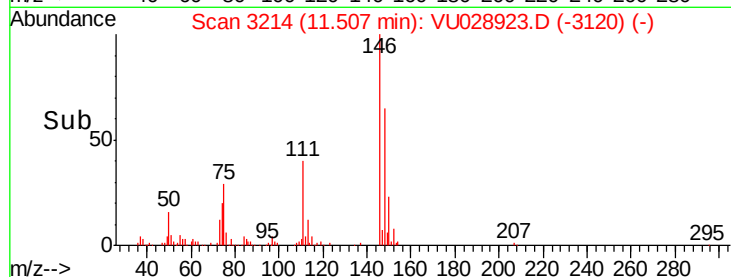
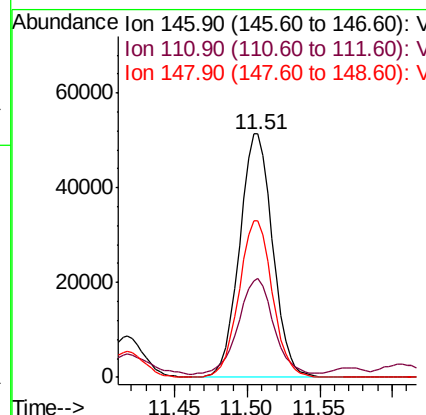
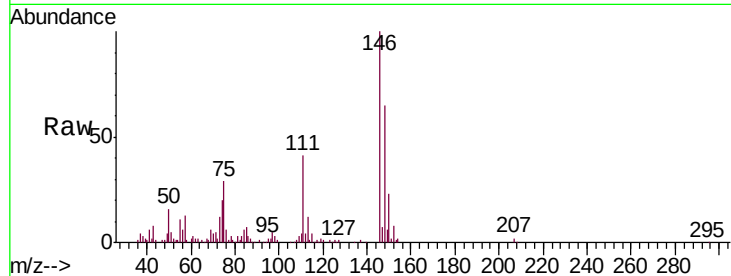




#88
 1,4-Dichlorobenzene
 Concen: 19.308 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

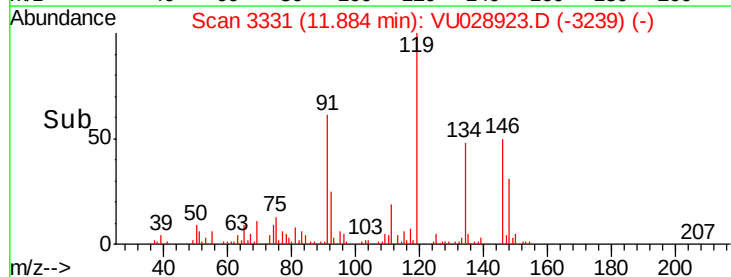
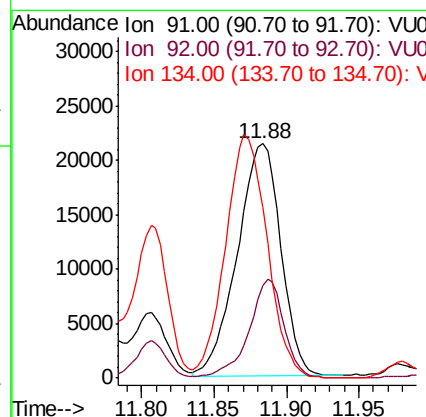
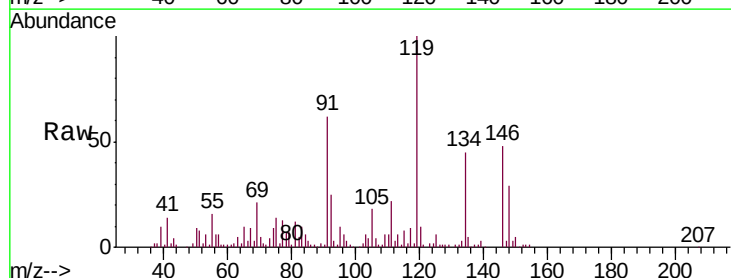
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

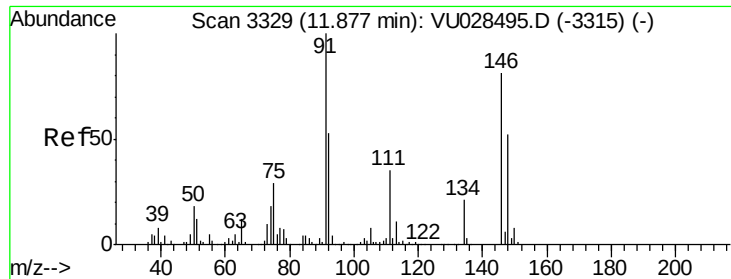
Tgt Ion:146 Resp: 81451
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.2 60.5
 148 65.2 31.6 95.0



#89
 n-Butylbenzene
 Concen: 5.483 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion: 91 Resp: 44607
 Ion Ratio Lower Upper
 91 100
 92 34.5 26.3 78.9
 134 100.4 11.3 33.8#

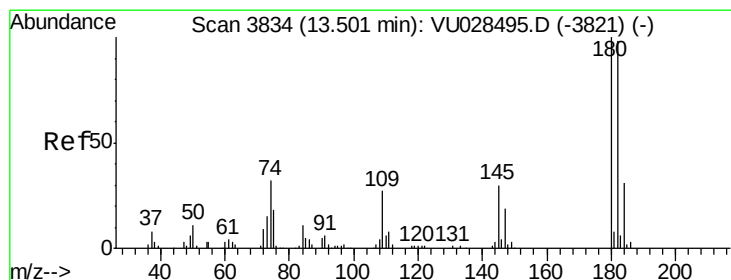
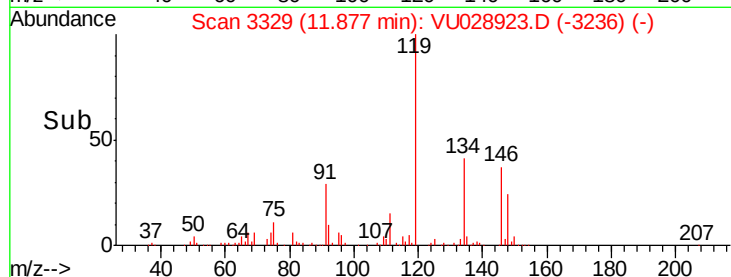
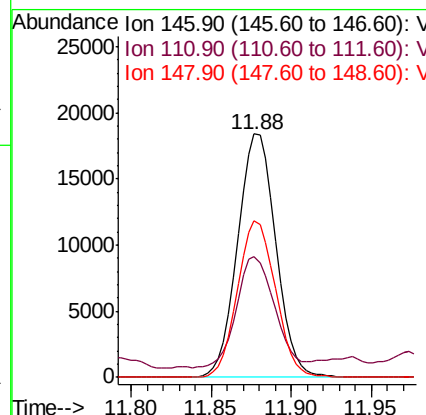
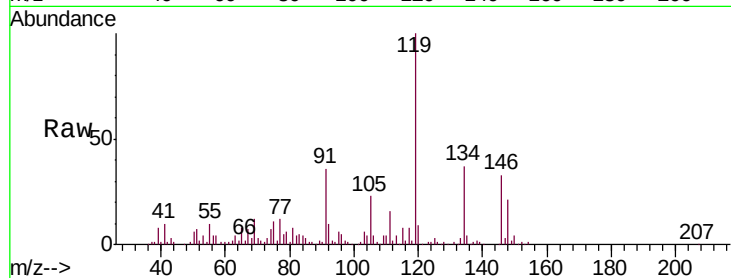




#91
 1,2-Dichlorobenzene
 Concen: 7.329 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

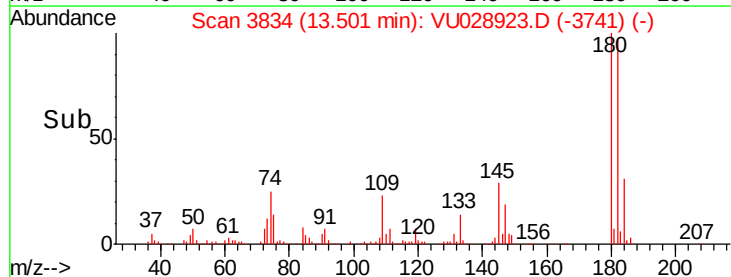
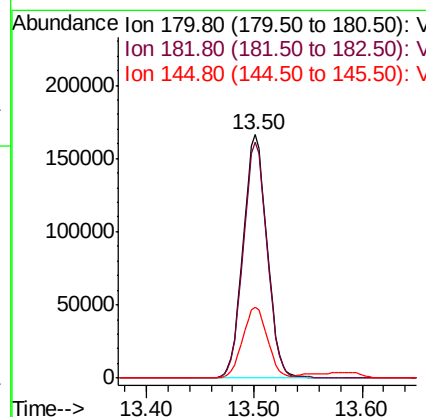
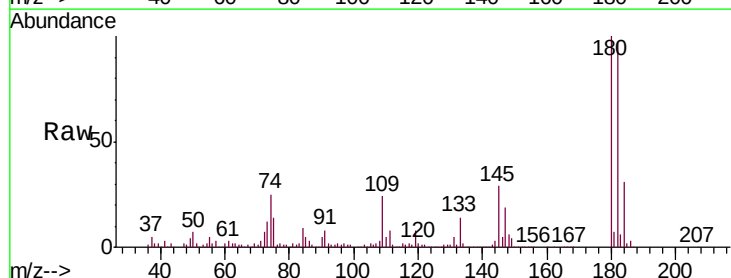
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-2430-01ME

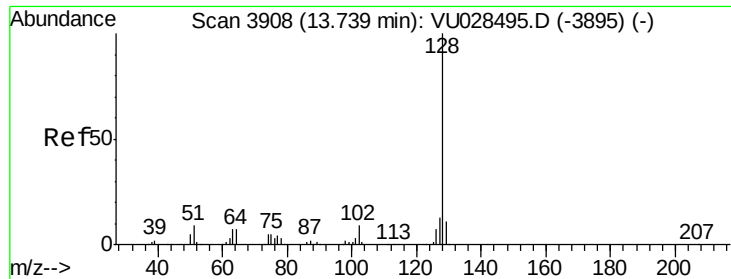
Tgt Ion:146 Resp: 29891
 Ion Ratio Lower Upper
 146 100
 111 44.9 21.1 63.4
 148 63.9 31.4 94.2



#93
 1,2,4-Trichlorobenzene
 Concen: 90.890 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028923.D
 Acq: 22 Dec 2018 18:38

Tgt Ion:180 Resp: 256700
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.9 143.8
 145 29.6 15.0 45.1





#95

Naphthalene

Concen: 39.113 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-2430-01ME

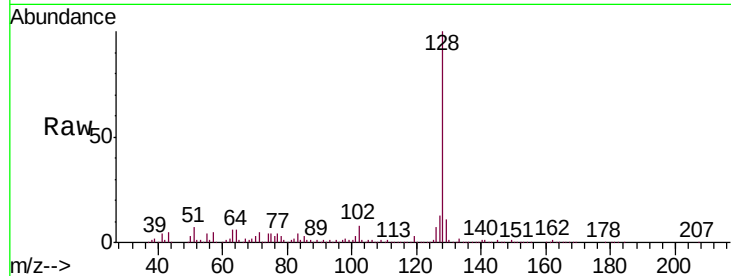
Tgt Ion:128 Resp: 382799

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

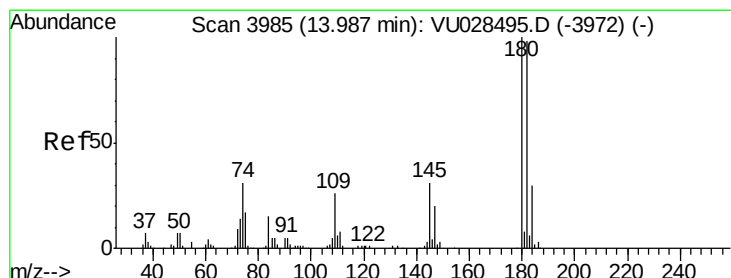
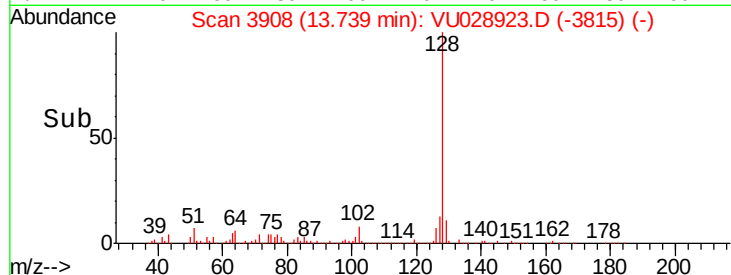
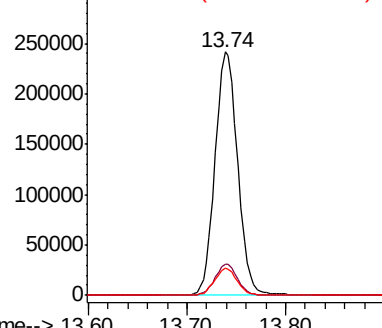
129 11.2 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 40.992 ug/l

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU028923.D

Acq: 22 Dec 2018 18:38

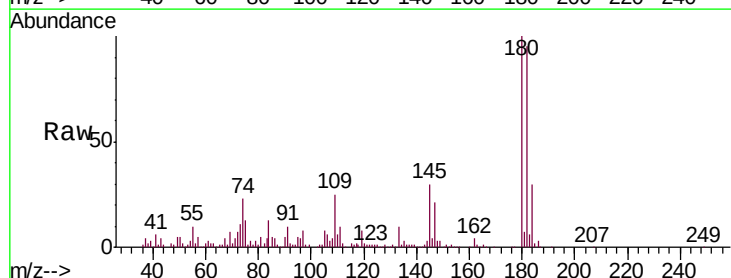
Tgt Ion:180 Resp: 114266

Ion Ratio Lower Upper

180 100

182 94.7 48.2 144.6

145 39.2 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

