

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
 Data File : VU029210.D
 Acq On : 16 Jan 2019 15:30
 Operator : JC/SP
 Sample : K1012-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EO-01-011518-C

Quant Time: Jan 17 02:16:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	192825	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	184210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76817	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	75453	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	
35) Dibromofluoromethane	4.88	113	66041	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
50) Toluene-d8	7.56	98	251501	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	10.30	95	79123	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

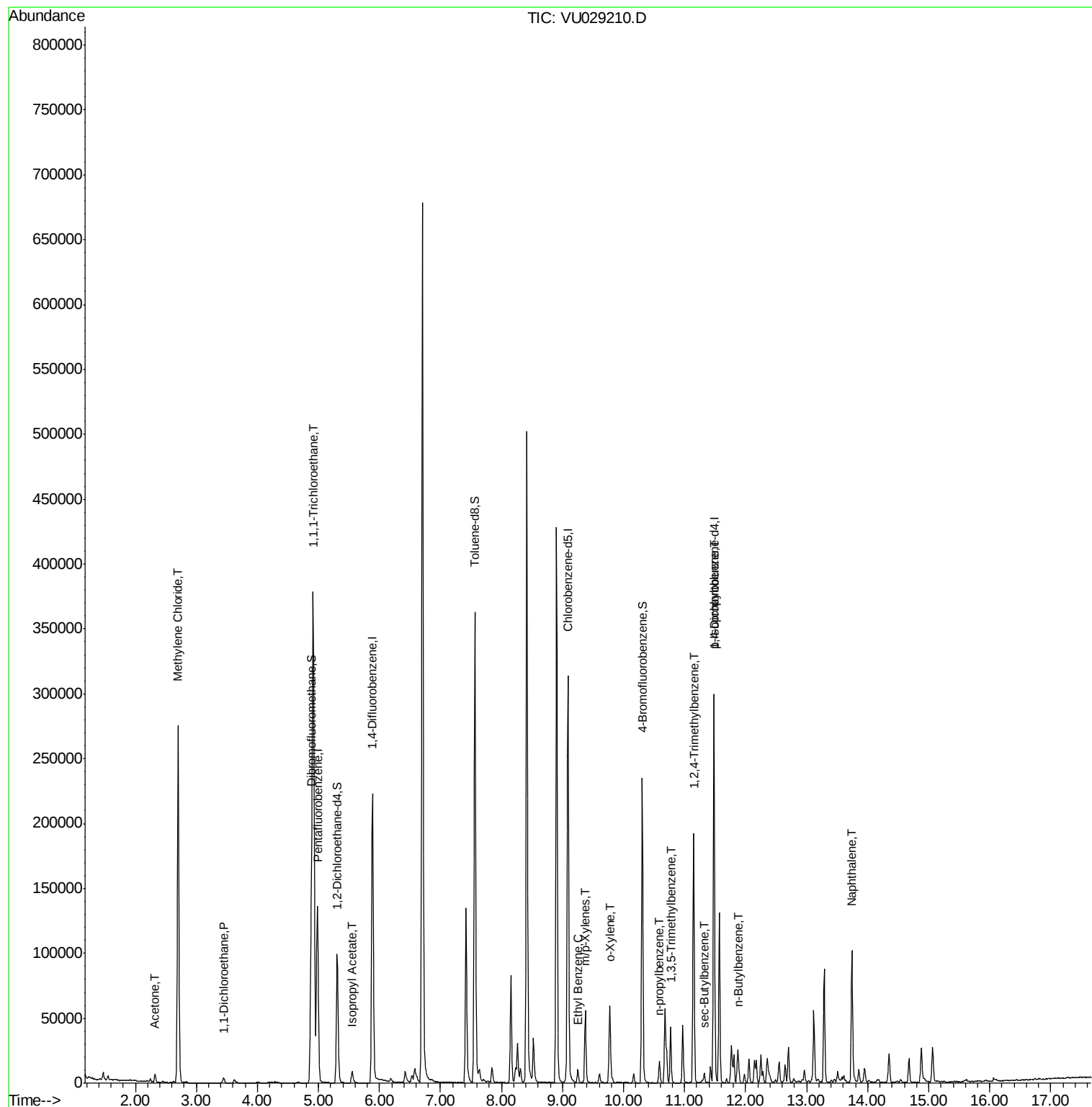
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	7232	8.631	ug/l	95
20) Methylene Chloride	2.70	84	123669	86.934	ug/l	98
24) 1,1-Dichloroethane	3.45	63	4765	2.040	ug/l #	96
32) 1,1,1-Trichloroethane	4.91	97	281477	153.108	ug/l	99
43) Isopropyl Acetate	5.55	43	10217	3.148	ug/l	97
67) Ethyl Benzene	9.25	91	7613	1.104	ug/l	97
68) m/p-Xylenes	9.37	106	16798	6.271	ug/l	97
69) o-Xylene	9.78	106	13147	5.094	ug/l	100
78) n-propylbenzene	10.59	91	14468	2.159	ug/l	95
80) 1,3,5-Trimethylbenzene	10.77	105	24243	5.106	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	105036	22.157	ug/l	99
85) sec-Butylbenzene	11.32	105	5957	1.053	ug/l	90
86) p-Isopropyltoluene	11.48	119	5656	1.173	ug/l	94
89) n-Butylbenzene	11.89	91	6990	1.624	ug/l #	46
95) Naphthalene	13.74	128	85892	14.449	ug/l	99

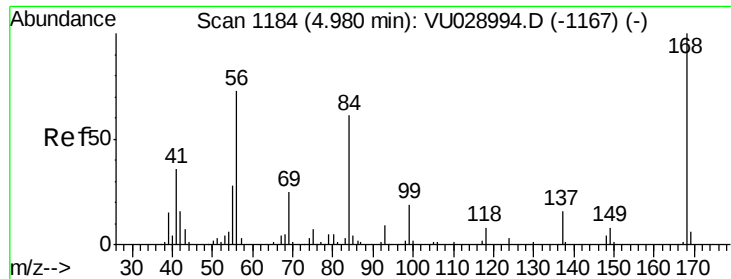
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 12 01:33:59 2019
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: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

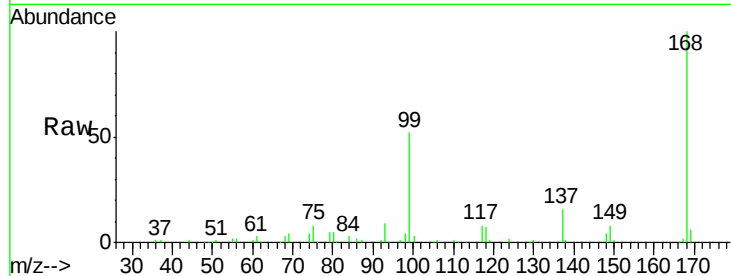
EO-01-011518-C

Tot Ion:168 Resp: 107591

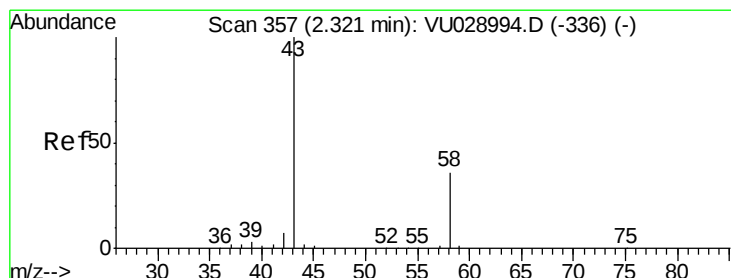
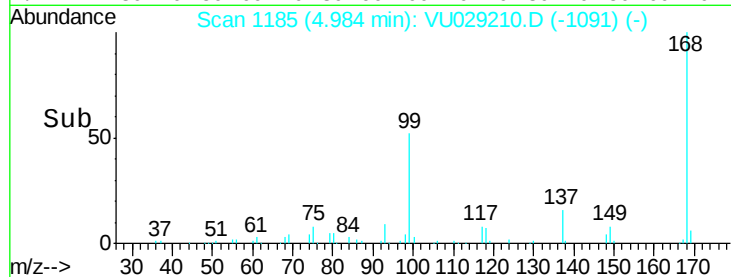
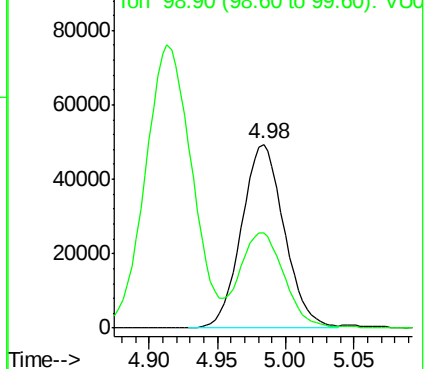
Ion Ratio Lower Upper

168 100

99 51.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)



#16

Acetone

Concen: 8.631 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029210.D

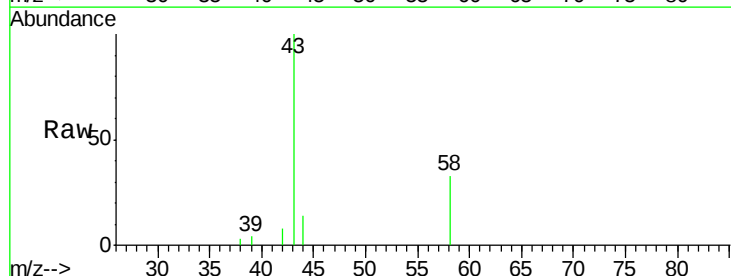
Acq: 16 Jan 2019 15:30

Tgt Ion: 43 Resp: 7232

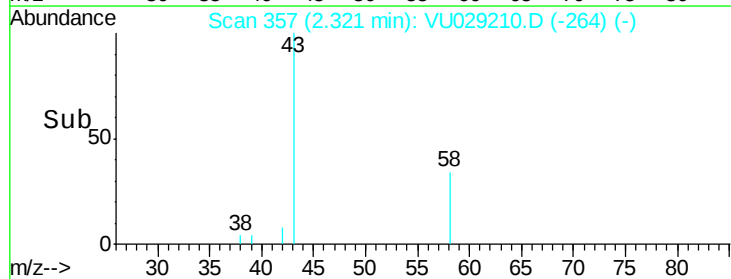
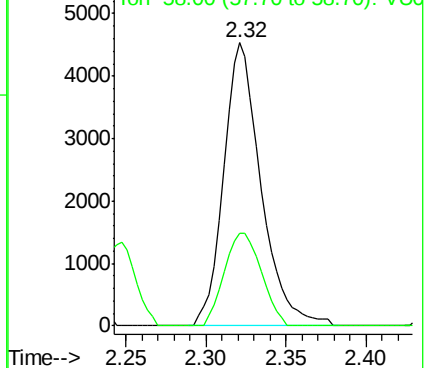
Ion Ratio Lower Upper

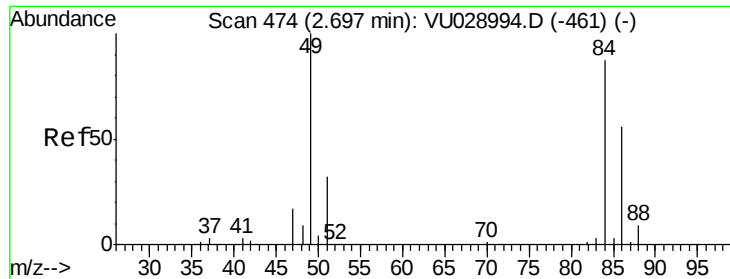
43 100

58 32.8 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)



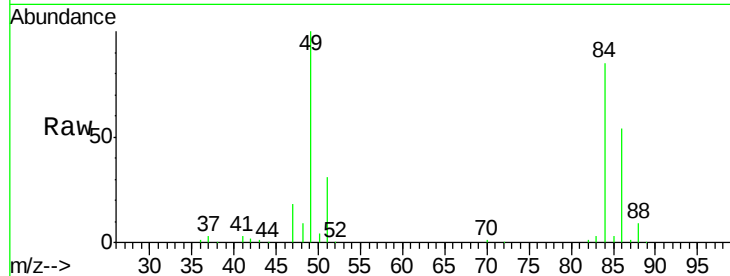


#20
Methylene Chloride
Concen: 86.934 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

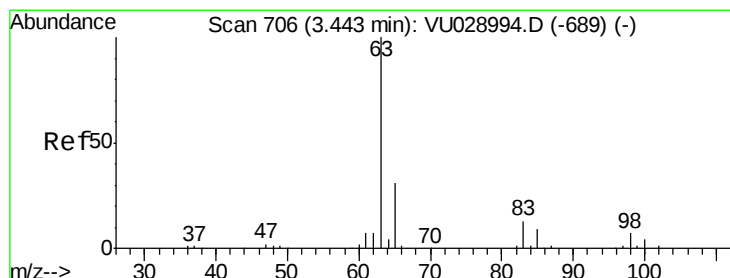
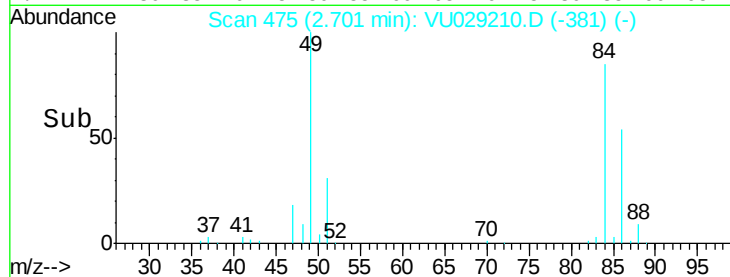
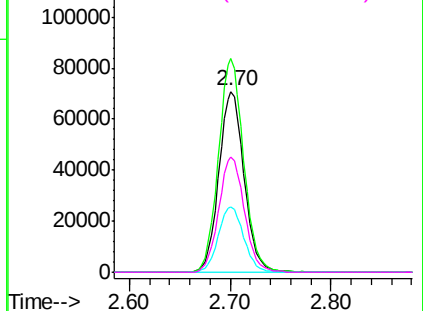
Instrument :
MSVOA_U
ClientSampleId :
EO-01-011518-C

Tot Ion: 84 Resp: 123669

Ion	Ratio	Lower	Upper
84	100		
49	118.0	91.9	137.9
51	36.4	29.2	43.8
86	64.0	51.8	77.6



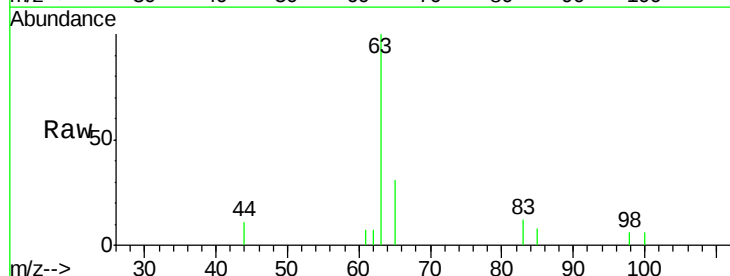
Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0



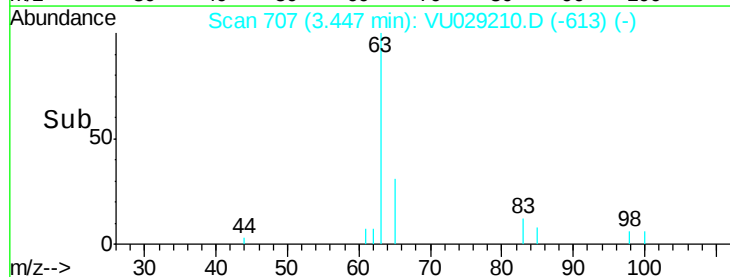
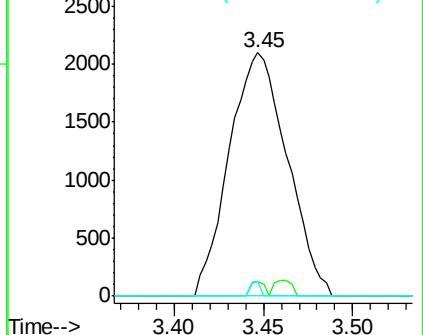
#24
1,1-Dichloroethane
Concen: 2.040 ug/l
RT: 3.45 min Scan# 707
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

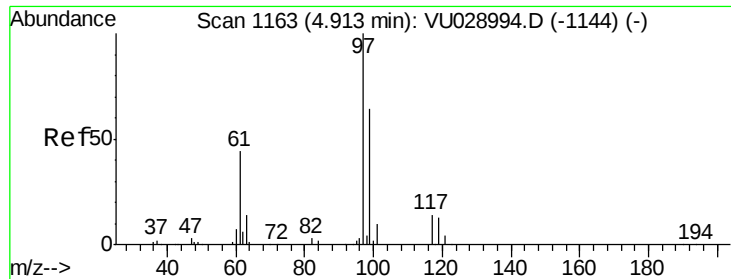
Tgt Ion: 63 Resp: 4765

Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.4	10.1
100	6.2	2.0	5.8#



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 97.90 (97.60 to 98.60): VU0
Ion 99.90 (99.60 to 100.60): VU0





#32

1,1,1-Trichloroethane

Concen: 153.108 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

EO-01-011518-C

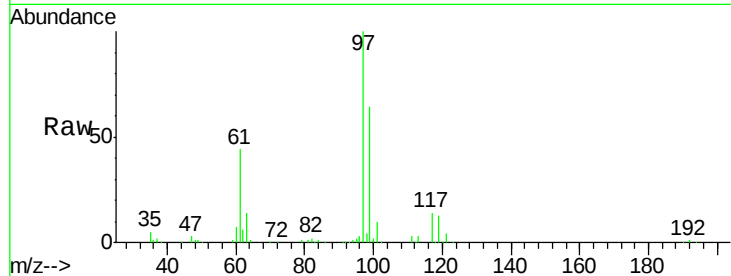
Tot Ion: 97 Resp: 281477

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

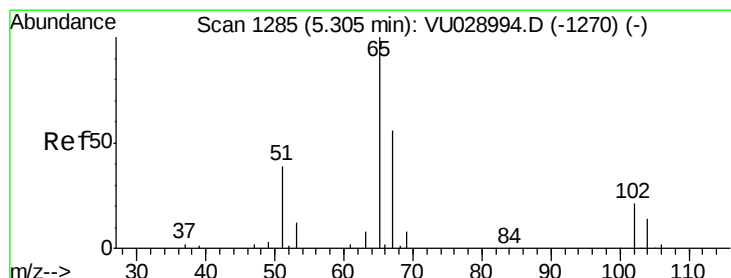
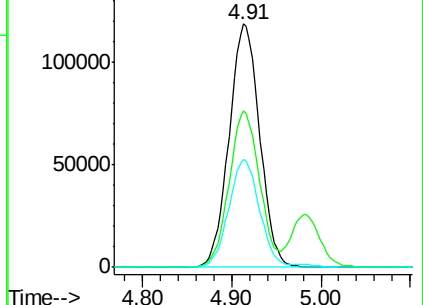
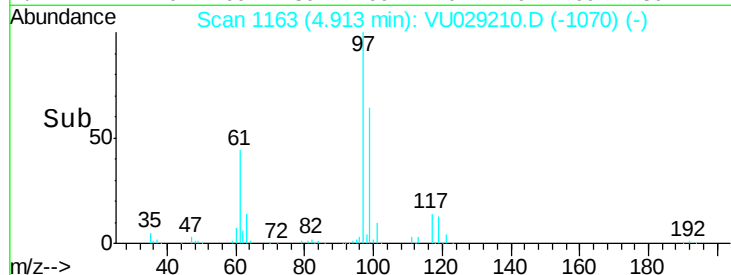
61 44.4 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VU029210.D (-1070) (-)

Ion 98.90 (98.60 to 99.60): VU029210.D (-1070) (-)

Ion 60.90 (60.60 to 61.60): VU029210.D (-1070) (-)



#33

1,2-Dichloroethane-d4

Concen: 56.730 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU029210.D

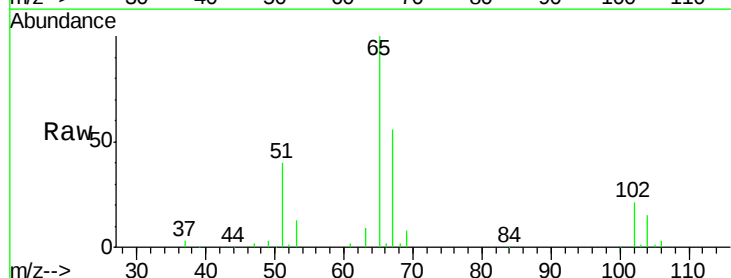
Acq: 16 Jan 2019 15:30

Tgt Ion: 65 Resp: 75453

Ion Ratio Lower Upper

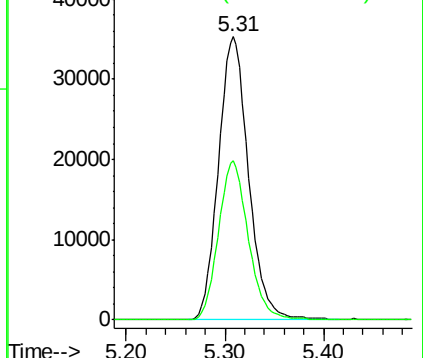
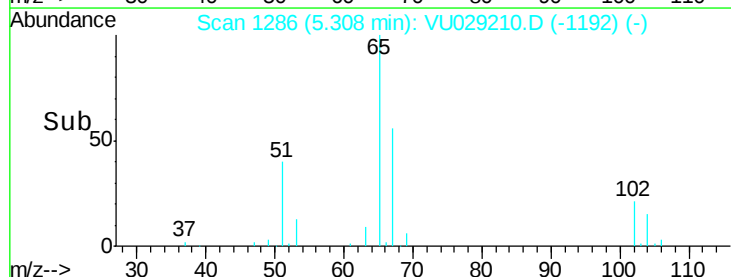
65 100

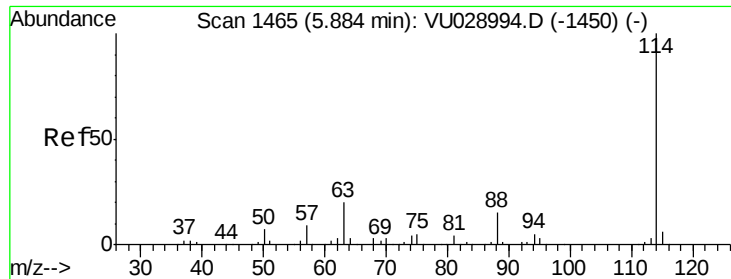
67 55.8 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU029210.D (-1192) (-)

Ion 66.90 (66.60 to 67.60): VU029210.D (-1192) (-)

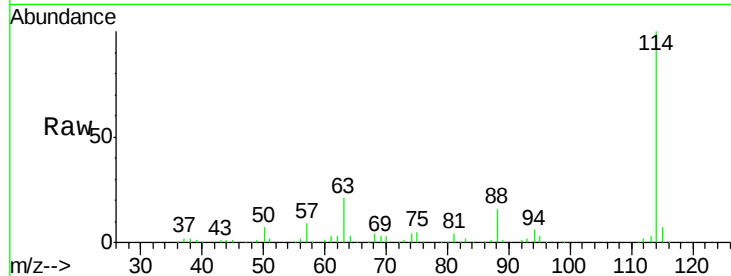




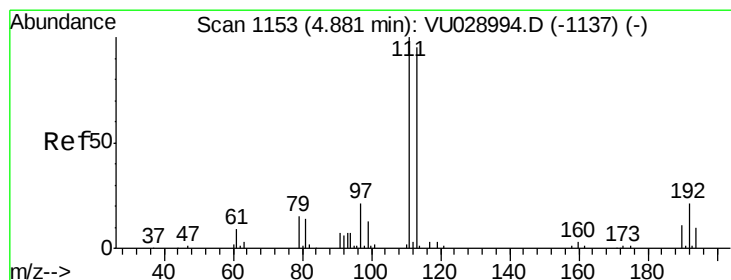
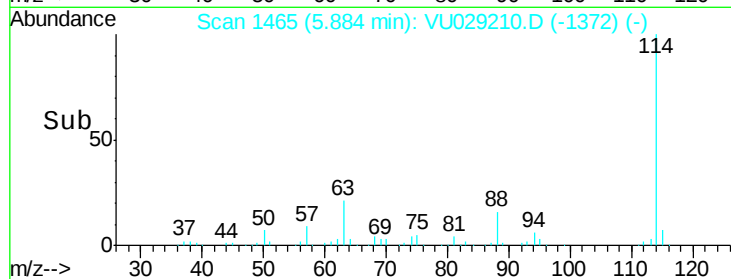
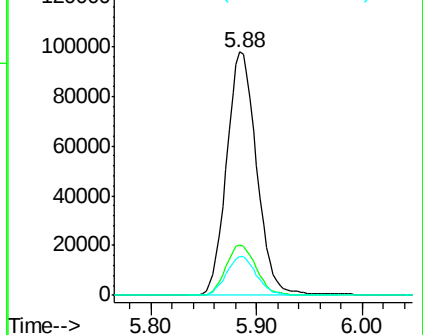
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029210.D
 Acq: 16 Jan 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 EO-01-011518-C

Tot Ion:114 Resp: 192825
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.8 0.0 30.4

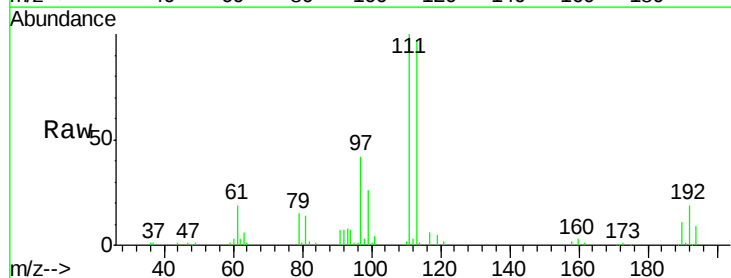


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

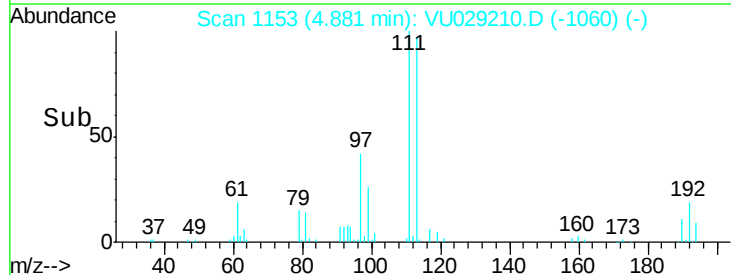
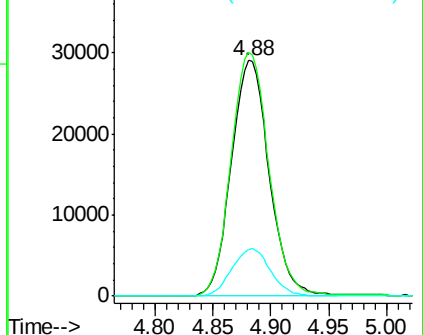


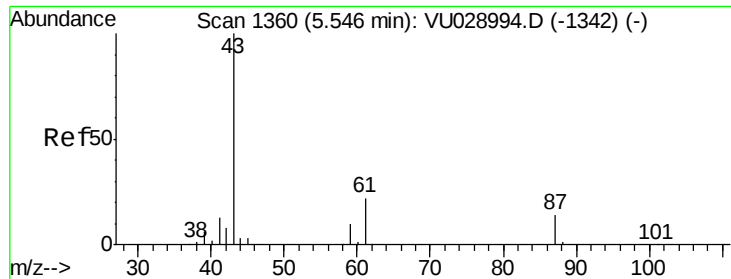
#35
 Dibromofluoromethane
 Concen: 52.835 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029210.D
 Acq: 16 Jan 2019 15:30

Tgt Ion:113 Resp: 66041
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.4 122.2
 192 20.5 16.8 25.2



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





#43

Isopropyl Acetate

Concen: 3.148 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

EO-01-011518-C

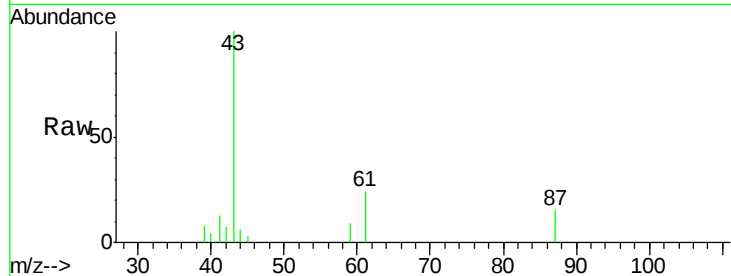
Tot Ion: 43 Resp: 10217

Ion Ratio Lower Upper

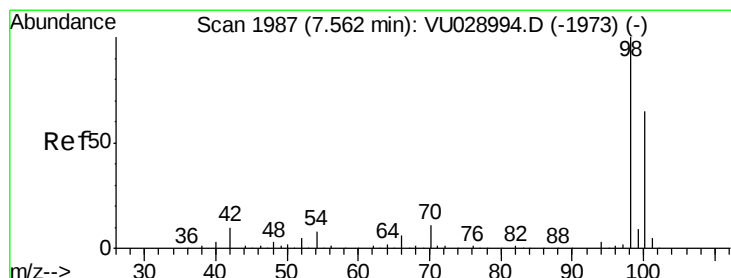
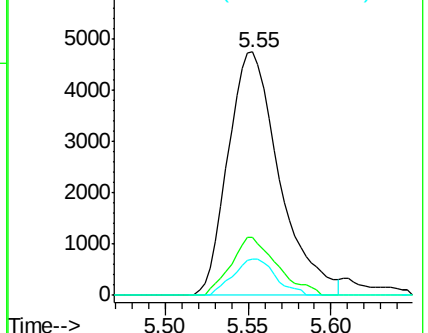
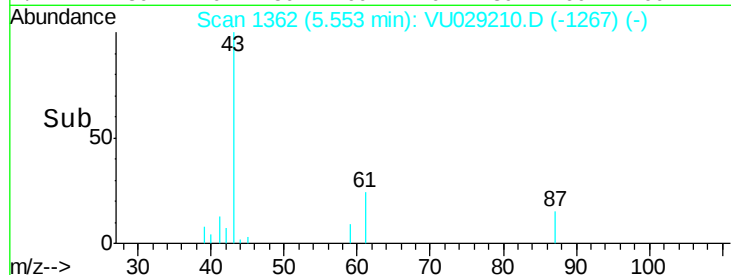
43 100

61 21.5 17.8 26.6

87 12.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU029210.D (-1267) (-)



#50

Toluene-d8

Concen: 50.966 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029210.D

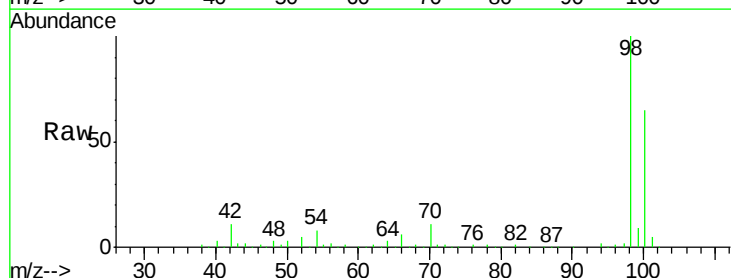
Acq: 16 Jan 2019 15:30

Tgt Ion: 98 Resp: 251501

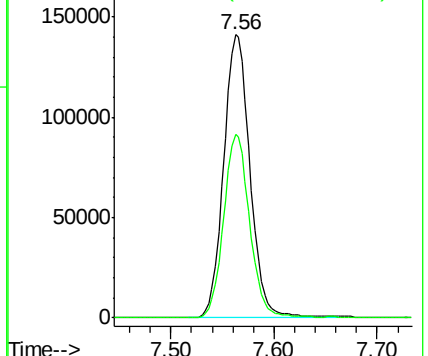
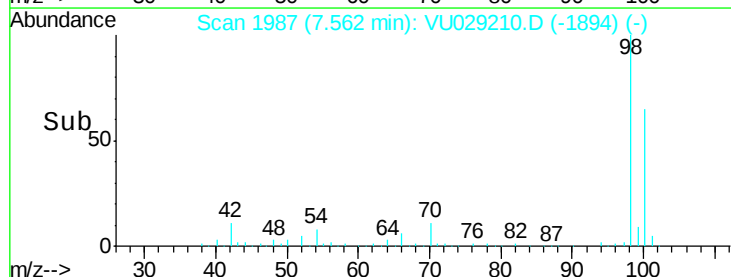
Ion Ratio Lower Upper

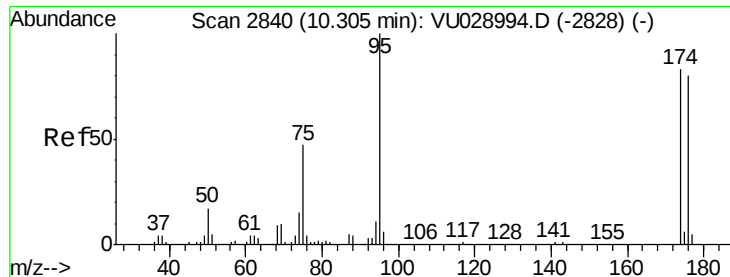
98 100

100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU029210.D (-1894) (-)

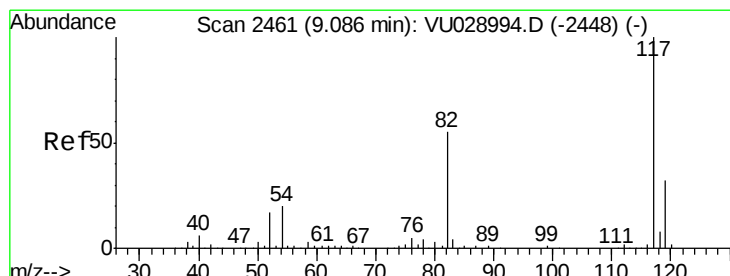
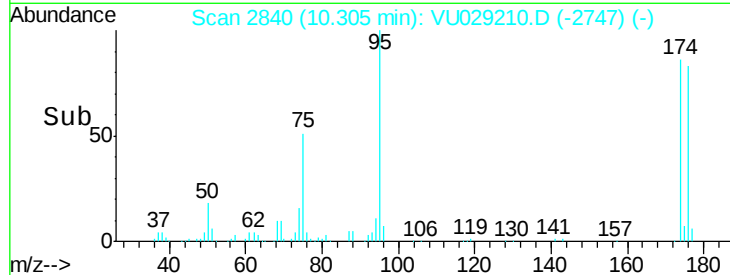
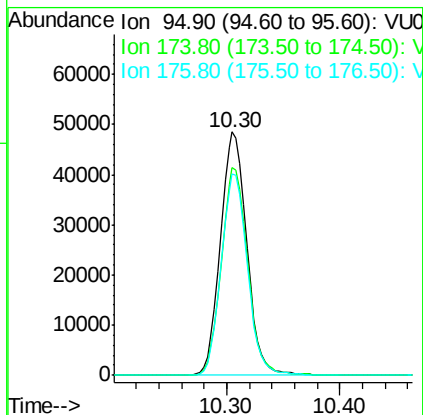
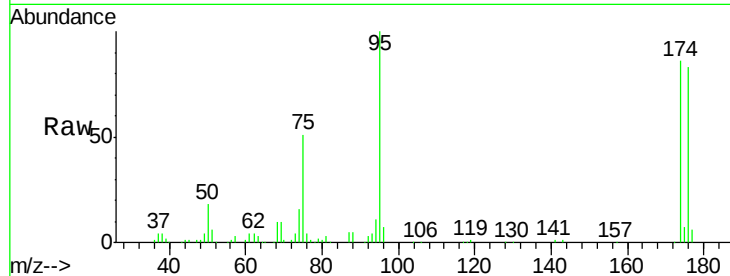




#62
 4-Bromofluorobenzene
 Concen: 44.616 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU029210.D
 Acq: 16 Jan 2019 15:30

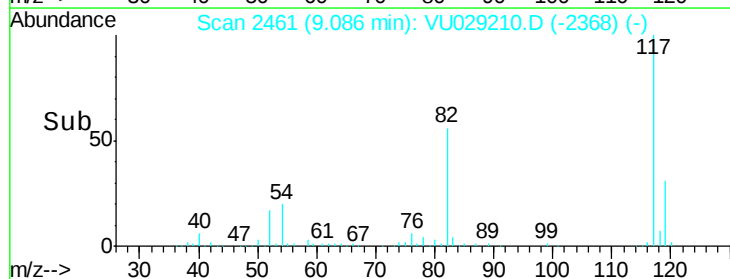
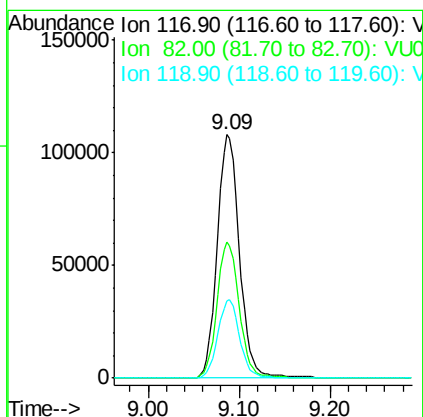
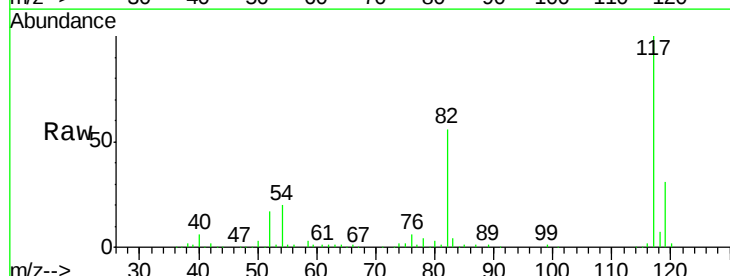
Instrument :
 MSVOA_U
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 EO-01-011518-C

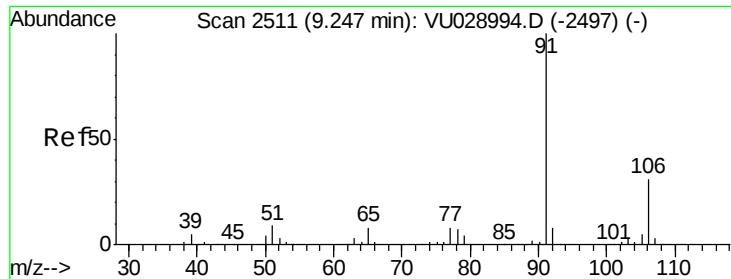
Tot Ion: 95 Resp: 79123
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 170.6
 176 82.3 0.0 165.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VU029210.D
 Acq: 16 Jan 2019 15:30

Tgt Ion: 117 Resp: 184210
 Ion Ratio Lower Upper
 117 100
 82 56.0 43.9 65.9
 119 31.5 26.0 39.0

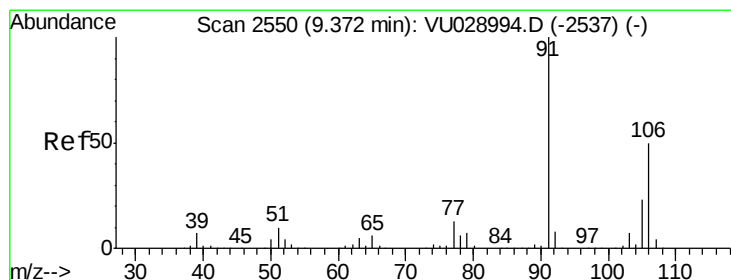
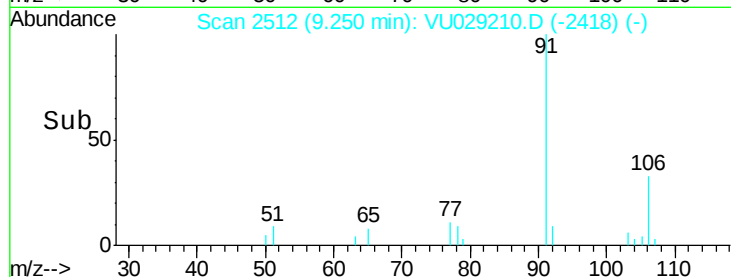
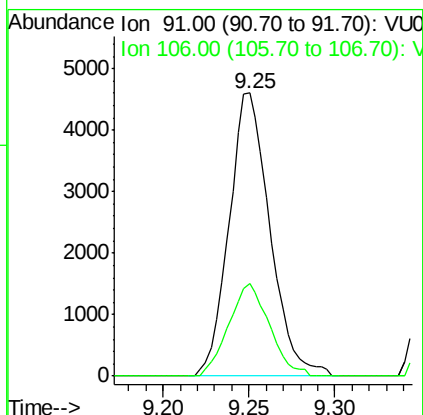
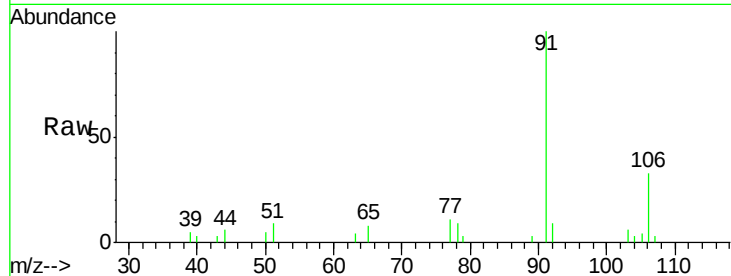




#67
Ethyl Benzene
Concen: 1.104 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

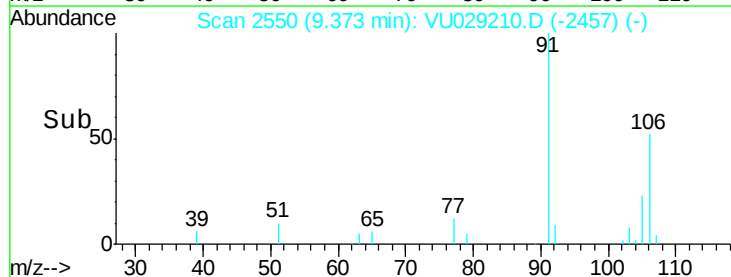
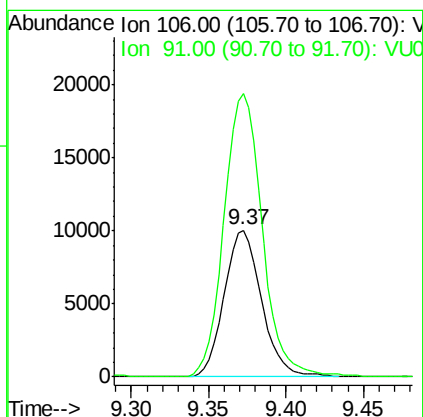
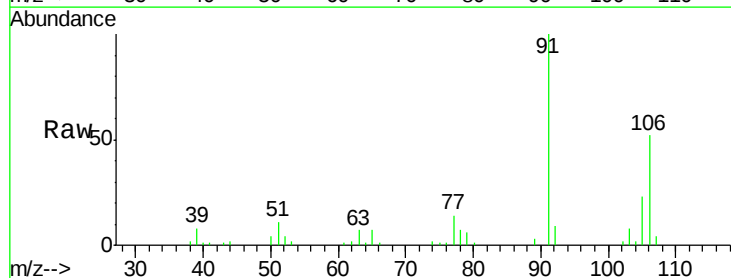
Instrument :
MSVOA_U
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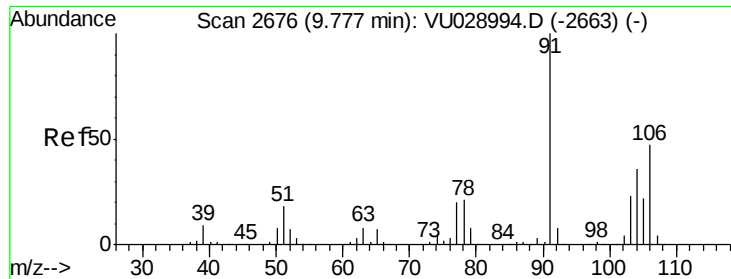
Tot Ion: 91 Resp: 7613
Ion Ratio Lower Upper
91 100
106 32.8 25.0 37.4



#68
m/p-Xylenes
Concen: 6.271 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Tgt Ion: 106 Resp: 16798
Ion Ratio Lower Upper
106 100
91 198.0 161.7 242.5

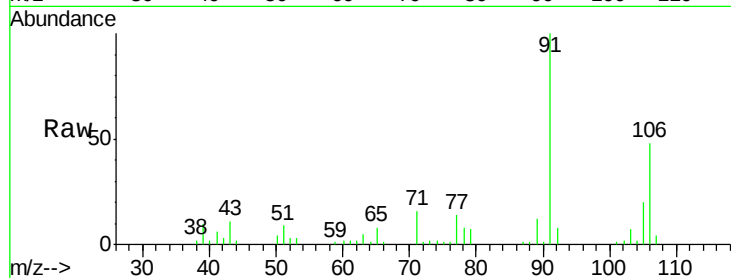




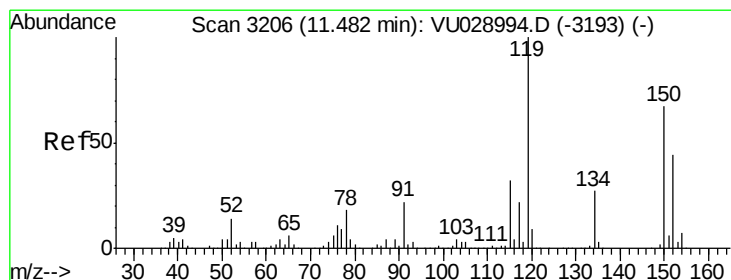
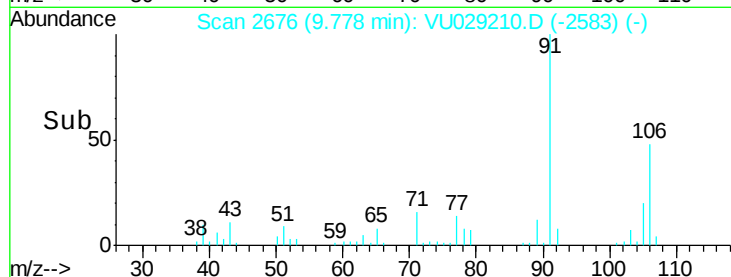
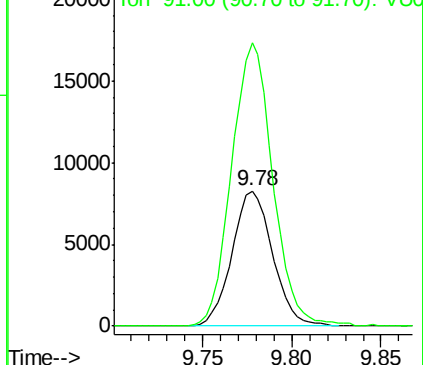
#69
o-Xylene
Concen: 5.094 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
EO-01-011518-C

Tot Ion:106 Resp: 13147
Ion Ratio Lower Upper
106 100
91 212.2 106.1 318.3

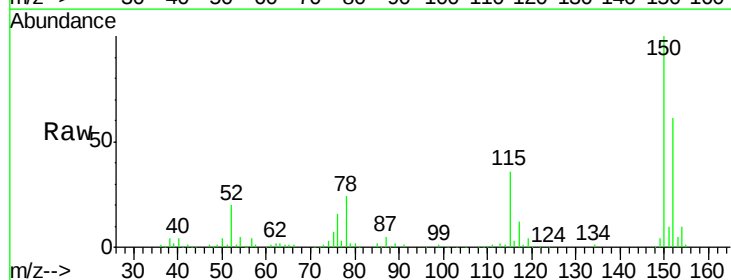


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

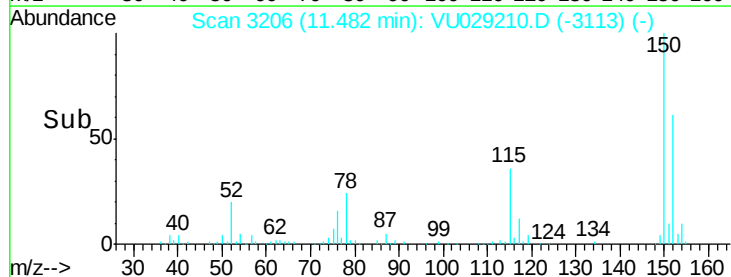
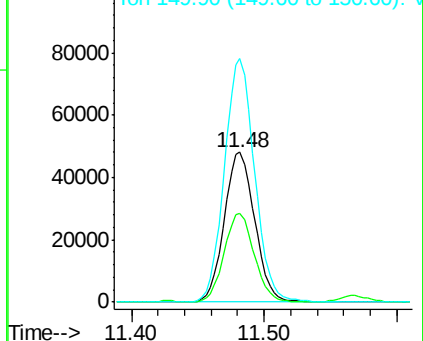


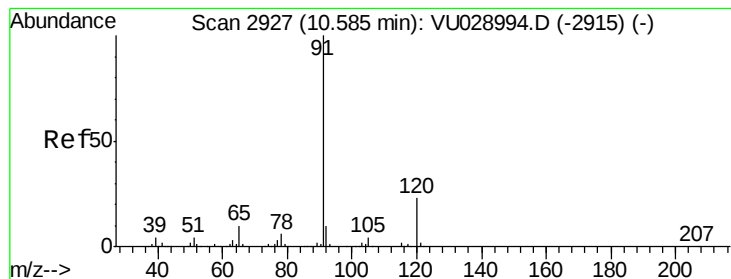
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Tgt Ion:152 Resp: 76817
Ion Ratio Lower Upper
152 100
115 58.6 40.1 120.3
150 160.9 0.0 345.2



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: 2.159 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU029210.D

Acq: 16 Jan 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

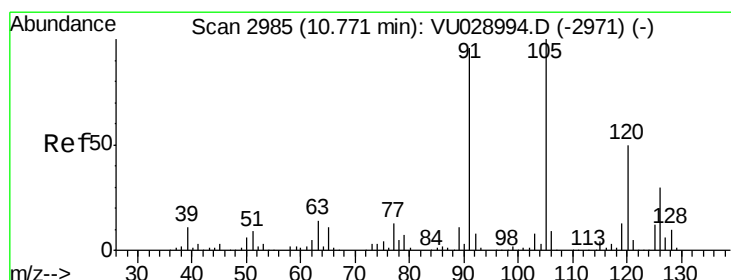
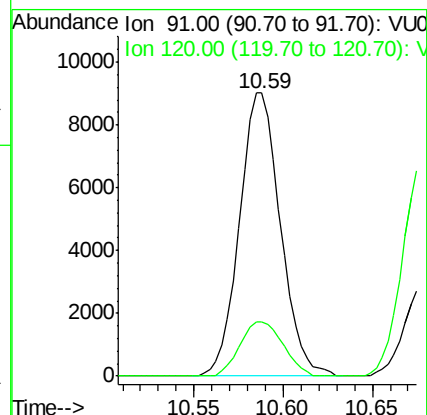
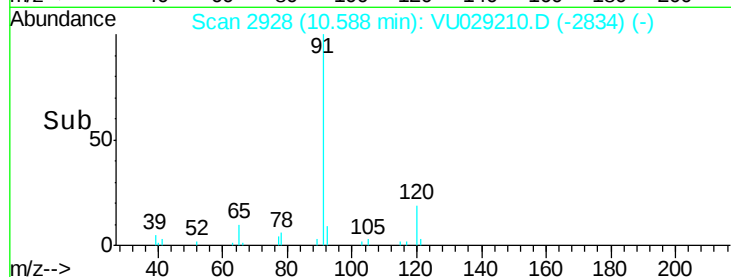
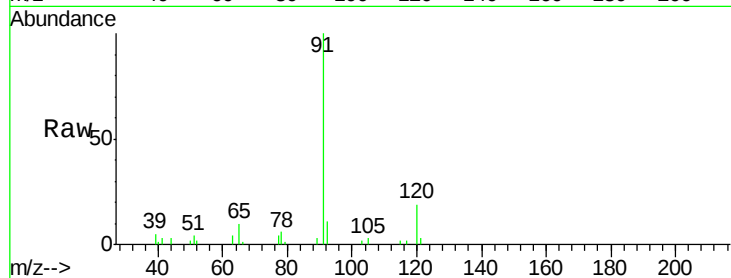
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Tot Ion: 91 Resp: 14468

Ion Ratio Lower Upper

91 100

120 20.3 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 5.106 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029210.D

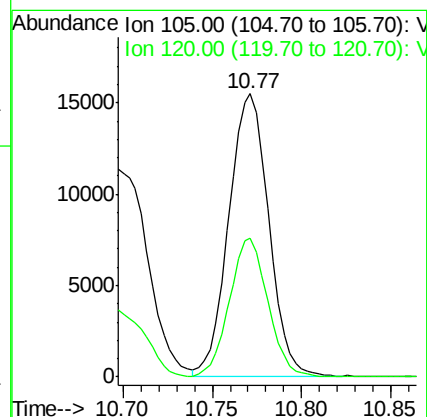
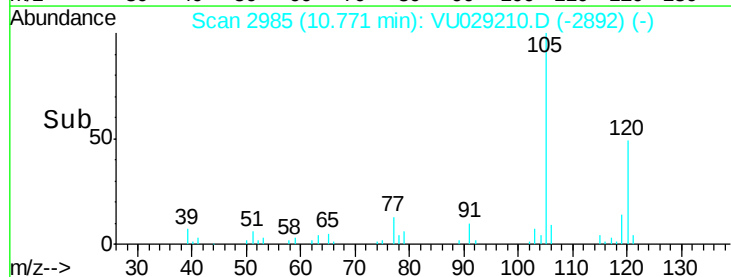
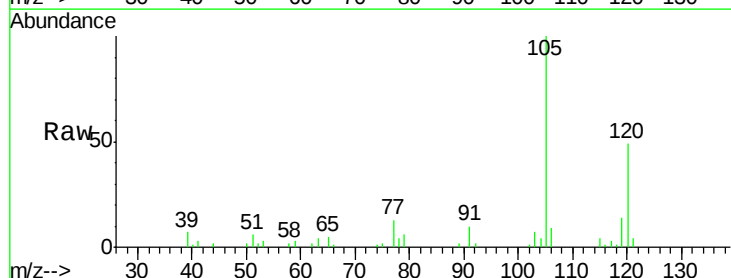
Acq: 16 Jan 2019 15:30

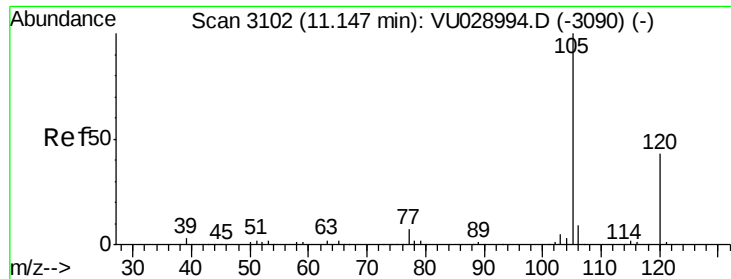
Tgt Ion: 105 Resp: 24243

Ion Ratio Lower Upper

105 100

120 46.8 24.8 74.4

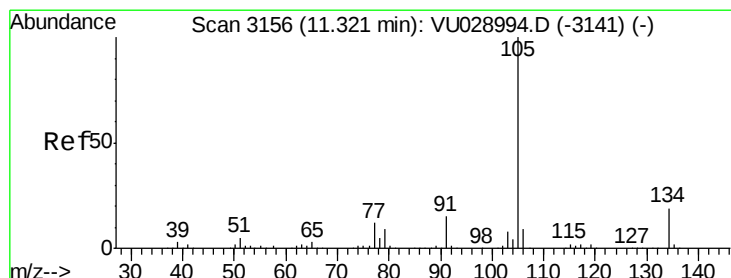
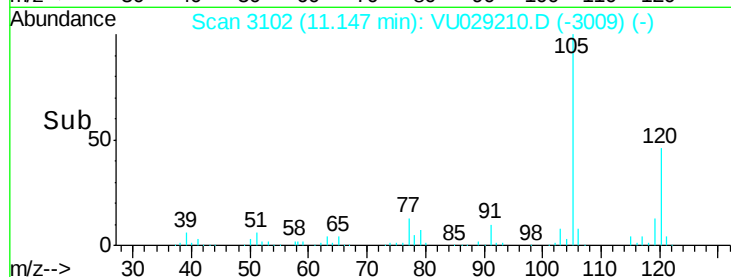
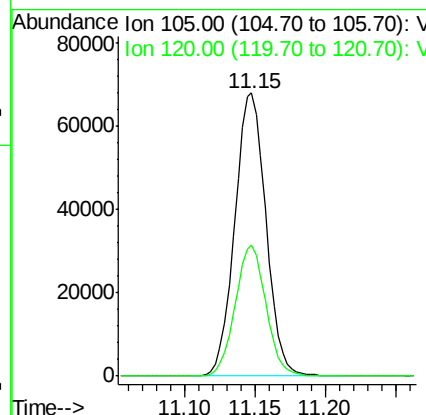
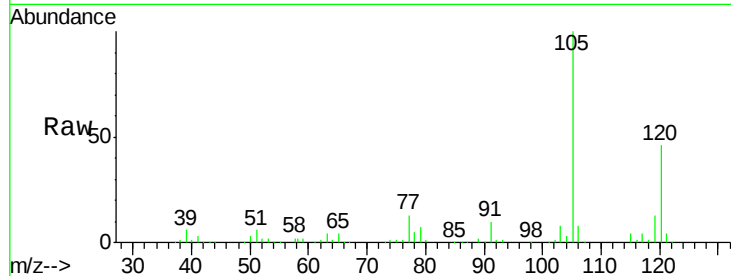




#84
 1,2,4-Trimethylbenzene
 Concen: 22.157 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029210.D
 Acq: 16 Jan 2019 15:30

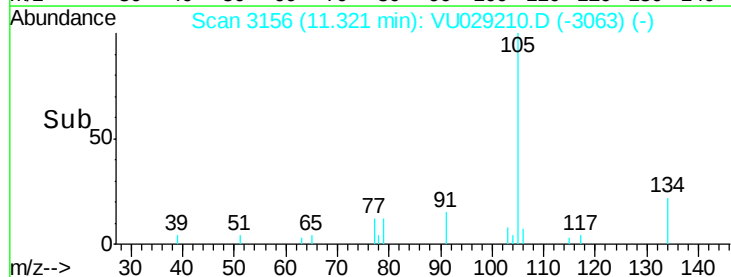
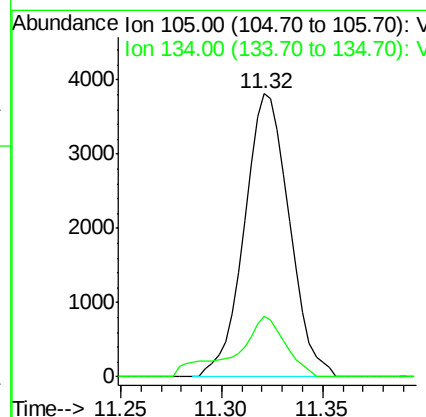
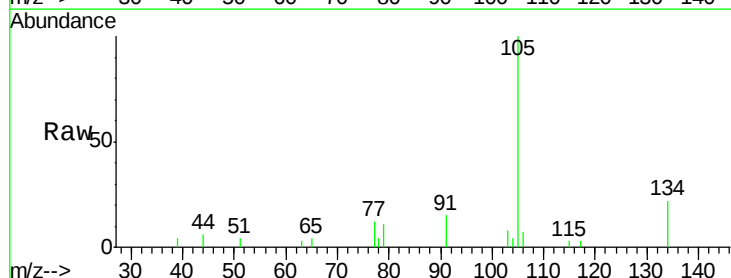
Instrument :
 MSVOA_U
 ClientSampleId :
 EO-01-011518-C

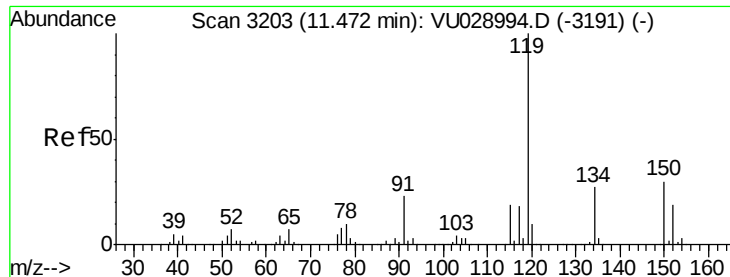
Tot Ion:105 Resp: 105036
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 1.053 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029210.D
 Acq: 16 Jan 2019 15:30

Tgt Ion:105 Resp: 5957
 Ion Ratio Lower Upper
 105 100
 134 24.0 9.7 29.1

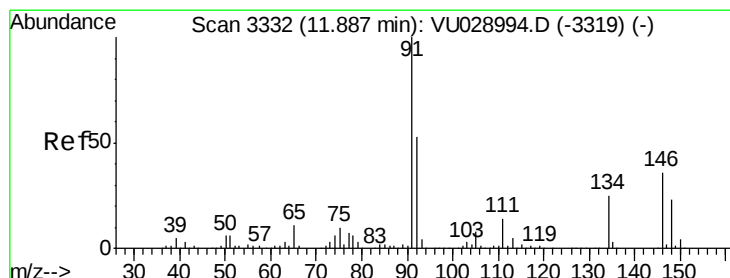
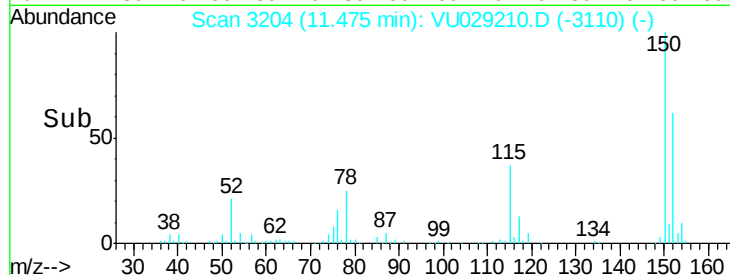
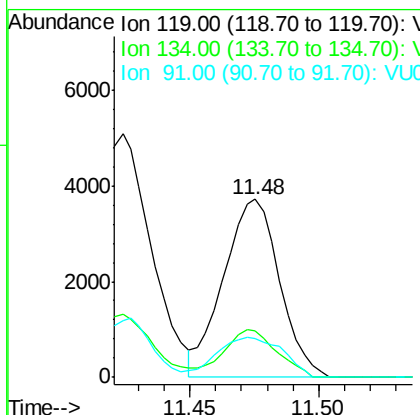
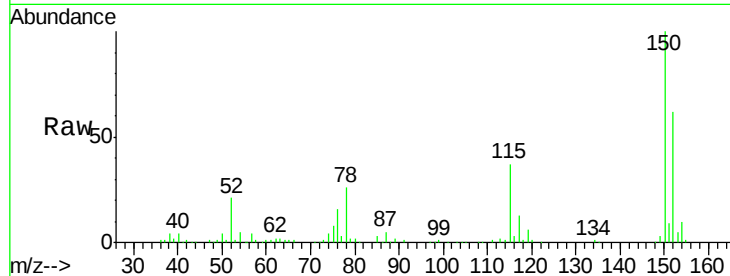




#86
 p-Isopropyltoluene
 Concen: 1.173 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU029210.D
 Acq: 16 Jan 2019 15:30

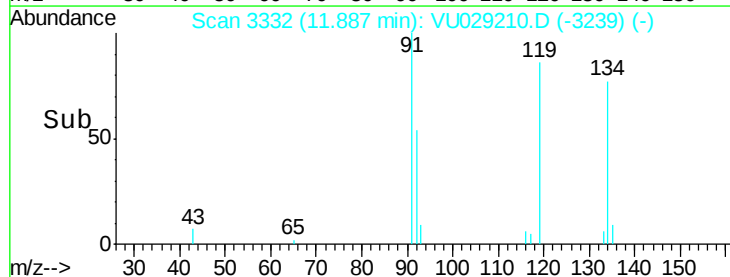
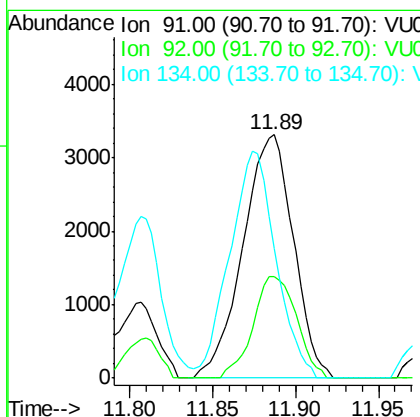
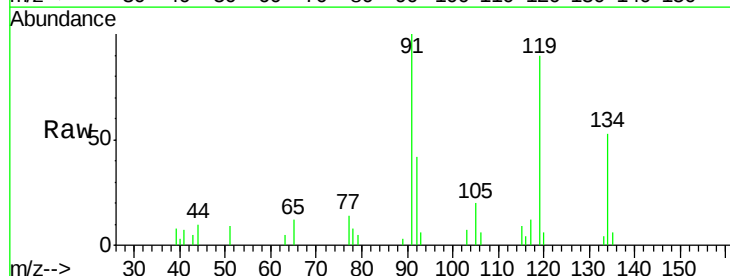
Instrument :
 MSVOA_U
 ClientSampleId :
 EO-01-011518-C

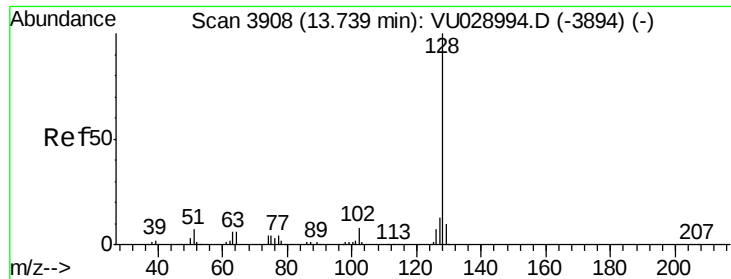
Tot Ion: 119 Resp: 5656
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.5 40.4
 91 26.4 11.3 33.8



#89
 n-Butylbenzene
 Concen: 1.624 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. 0.00 min
 Lab File: VU029210.D
 Acq: 16 Jan 2019 15:30

Tgt Ion: 91 Resp: 6990
 Ion Ratio Lower Upper
 91 100
 92 36.0 26.2 78.5
 134 85.2 12.6 37.6#





#95
Naphthalene
Concen: 14.449 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029210.D
Acq: 16 Jan 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
EO-01-011518-C

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.9	8.5	12.7

