

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029043.D
 Acq On : 04 Jan 2019 21:32
 Operator : MD/SY
 Sample : K1064-05 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P-1419-W

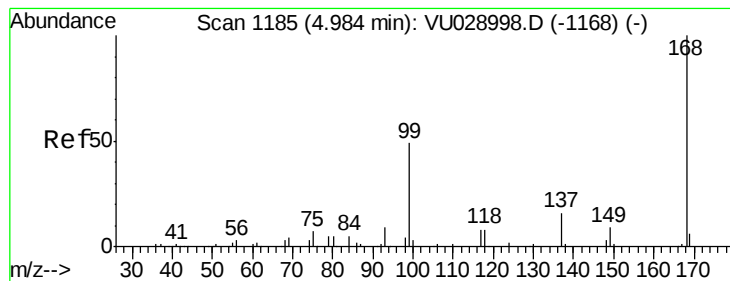
Quant Time: Jan 05 04:51:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	110176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	186507	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	168756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72875	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	72963	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
35) Dibromofluoromethane	4.88	113	63740	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
50) Toluene-d8	7.56	98	235528	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	10.30	95	76939	44.85	ug/l	0.00
Spiked Amount			Recovery	=	89.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	7236	8.434	ug/l	98
39) Methylcyclohexane	6.41	83	12507	5.457	ug/l	99
40) Benzene	5.39	78	4729	0.813	ug/l	93
52) Toluene	7.64	92	62646	17.696	ug/l	98
67) Ethyl Benzene	9.25	91	159182	25.205	ug/l	99
68) m/p-Xylenes	9.37	106	171846	70.031	ug/l	100
69) o-Xylene	9.78	106	92648	39.185	ug/l	98
73) Isopropylbenzene	10.16	105	37724	6.994	ug/l	99
78) n-propylbenzene	10.58	91	120590	18.970	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	116162	25.788	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	507076	112.753	ug/l	99
85) sec-Butylbenzene	11.32	105	34085	6.348	ug/l	96
86) p-Isopropyltoluene	11.47	119	18162	3.970	ug/l	97
89) n-Butylbenzene	11.88	91	66171	16.204	ug/l #	45
95) Naphthalene	13.74	128	204613	36.283	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA_U

ClientSampled :

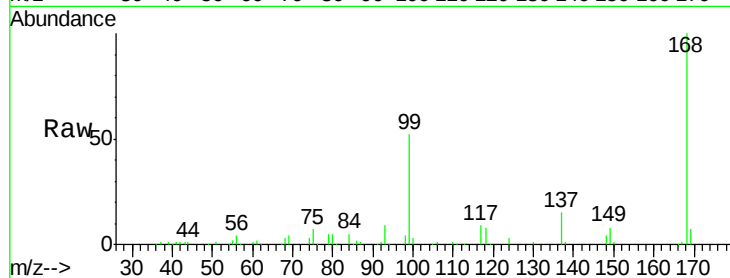
P-1419-W

Tot Ion:168 Resp: 110176

Ion Ratio Lower Upper

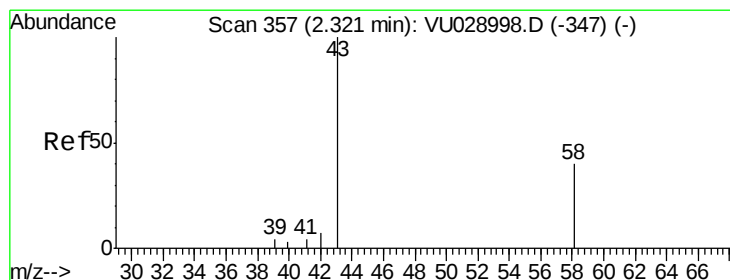
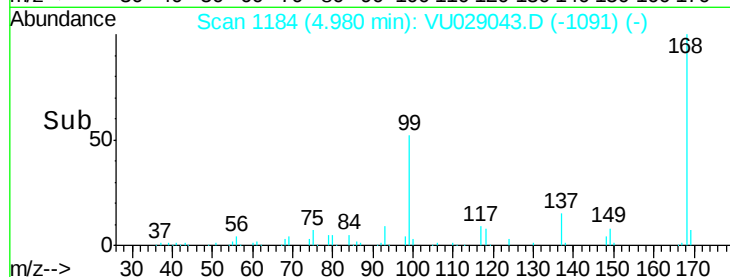
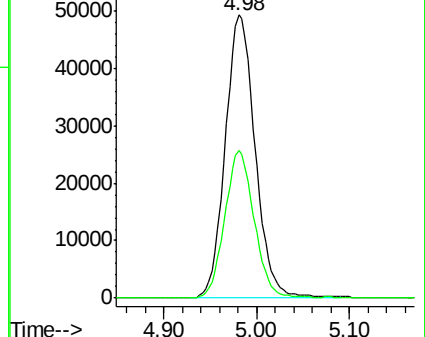
168 100

99 52.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)



#16

Acetone

Concen: 8.434 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU029043.D

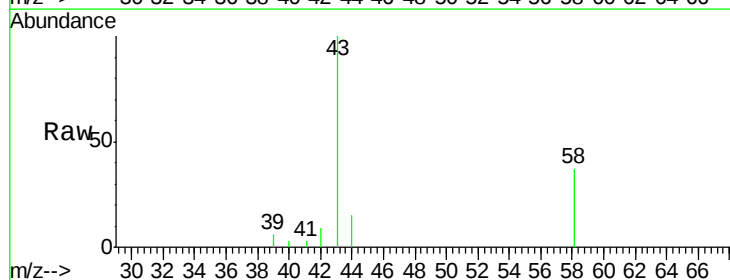
Acq: 04 Jan 2019 21:32

Tgt Ion: 43 Resp: 7236

Ion Ratio Lower Upper

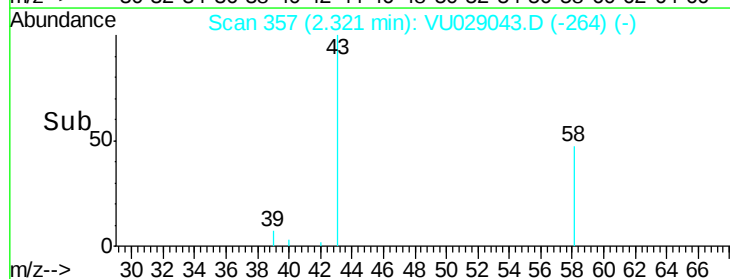
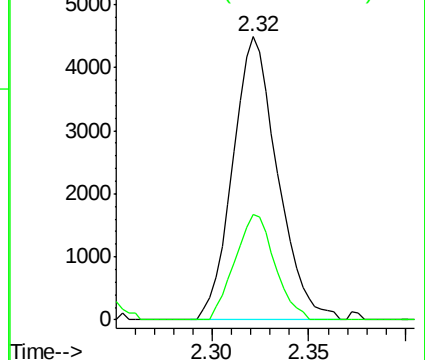
43 100

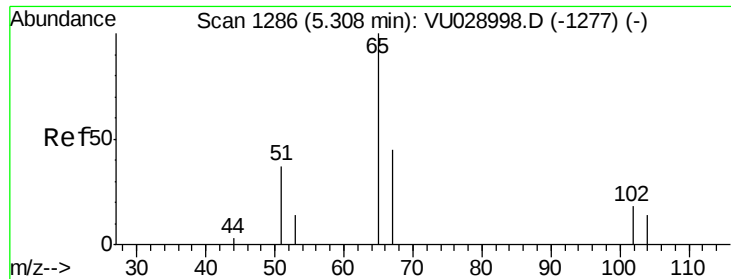
58 37.1 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VU028998.D (-347) (-)

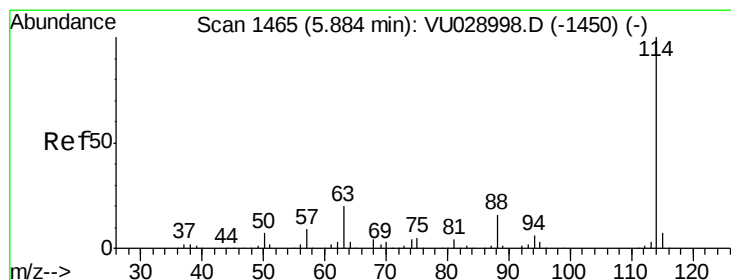
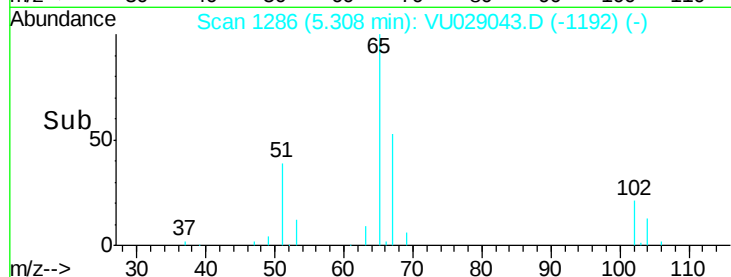
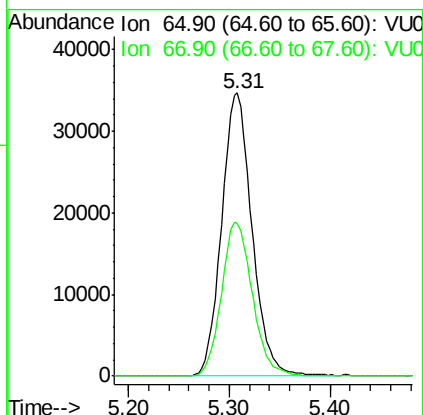
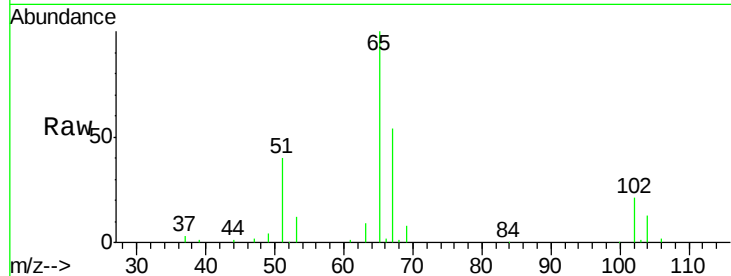




#33
 1,2-Dichloroethane-d4
 Concen: 53.571 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029043.D
 Acq: 04 Jan 2019 21:32

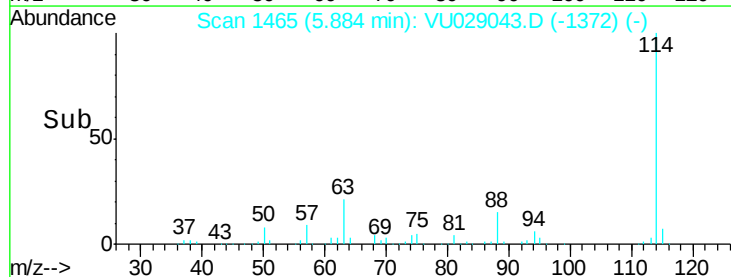
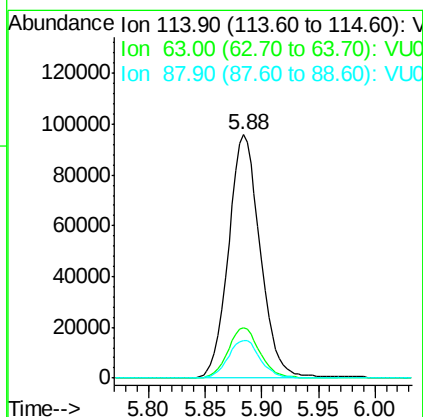
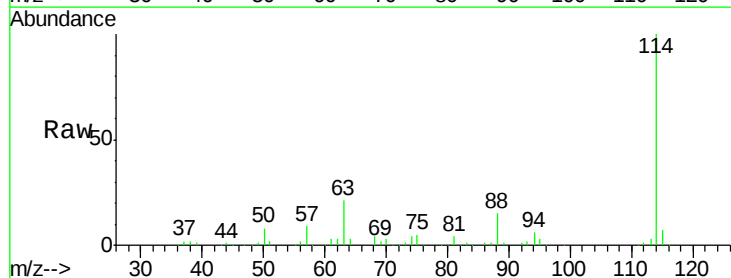
Instrument :
 MSVOA_U
 ClientSampleId :
 P-1419-W

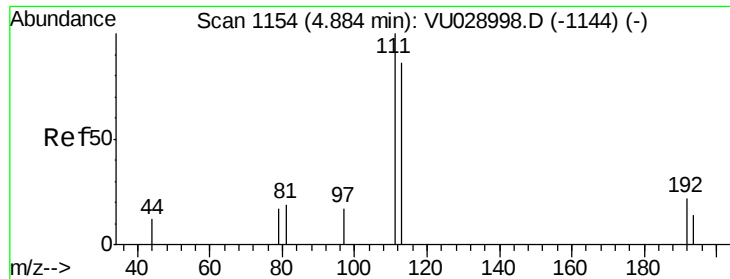
Tot Ion: 65 Resp: 72963
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029043.D
 Acq: 04 Jan 2019 21:32

Tgt Ion: 114 Resp: 186507
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.2
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.722 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

P-1419-W

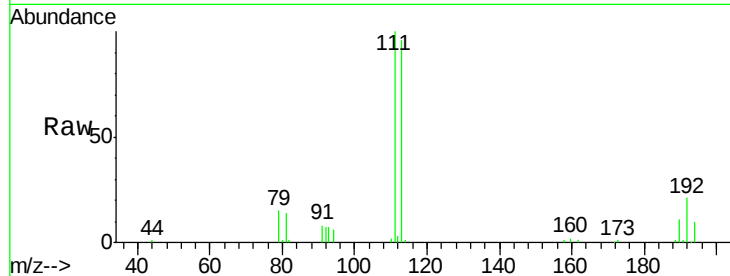
Tot Ion:113 Resp: 63740

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.2

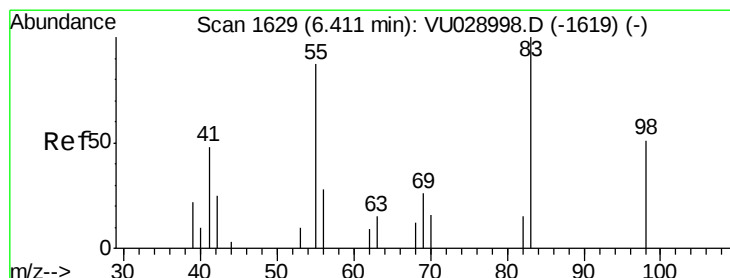
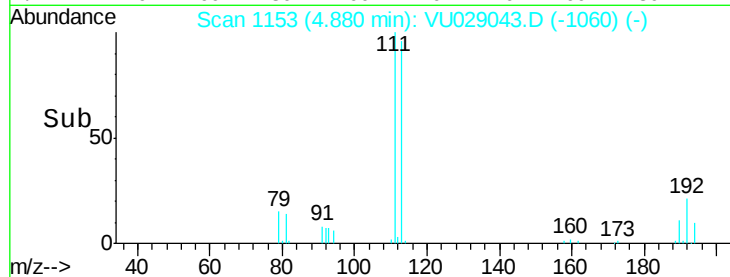
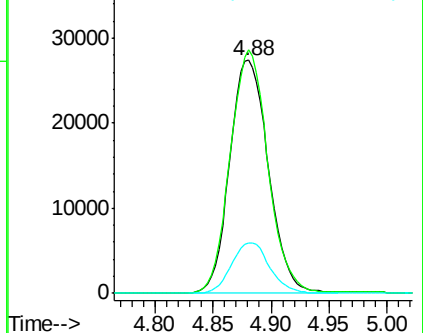
192 21.3 16.8 25.2



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



#39

Methylcyclohexane

Concen: 5.457 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

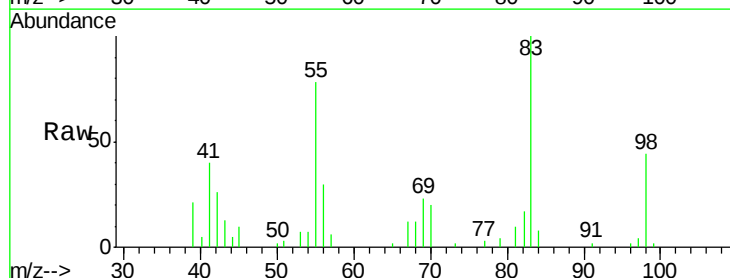
Tgt Ion: 83 Resp: 12507

Ion Ratio Lower Upper

83 100

55 78.2 62.4 93.6

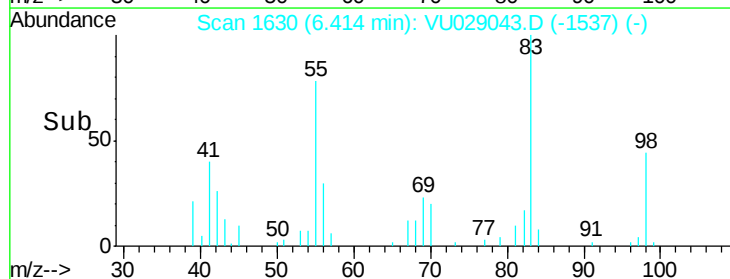
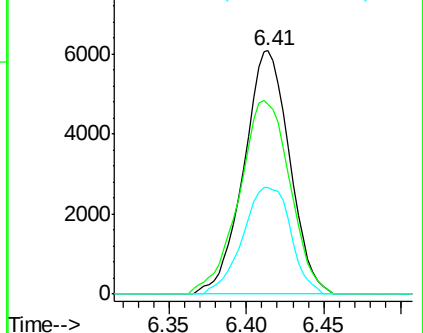
98 43.6 36.2 54.2

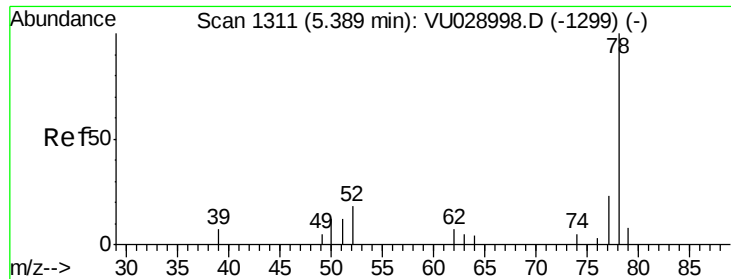


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 0.813 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

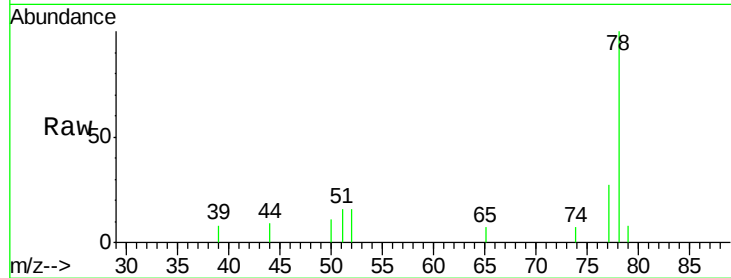
P-1419-W

Tot Ion: 78 Resp: 4729

Ion Ratio Lower Upper

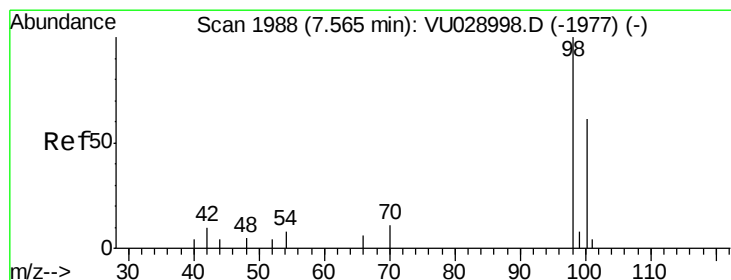
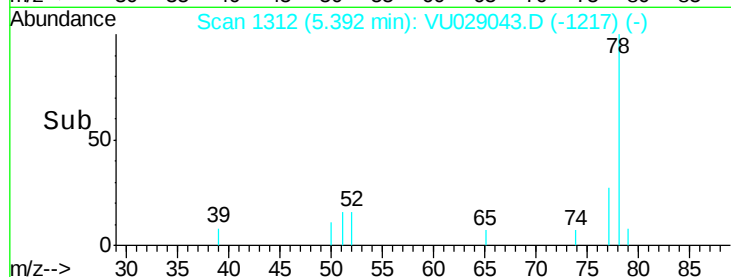
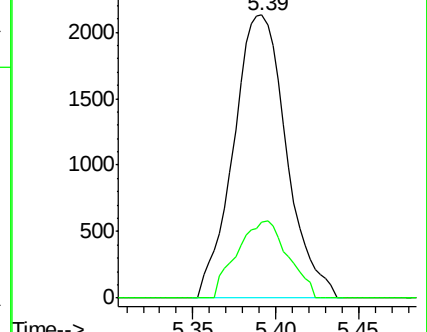
78 100

77 26.9 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU028998.D (-1299) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-1299) (-)



#50

Toluene-d8

Concen: 49.346 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU029043.D

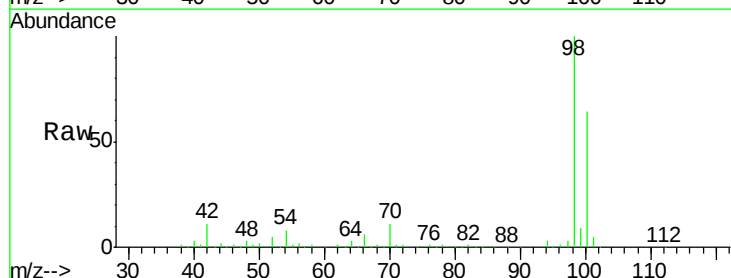
Acq: 04 Jan 2019 21:32

Tgt Ion: 98 Resp: 235528

Ion Ratio Lower Upper

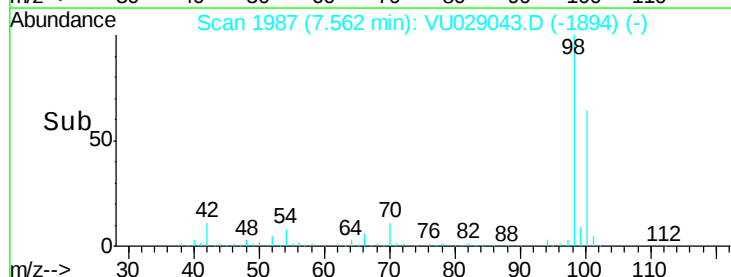
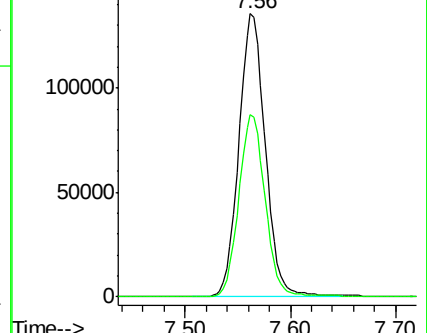
98 100

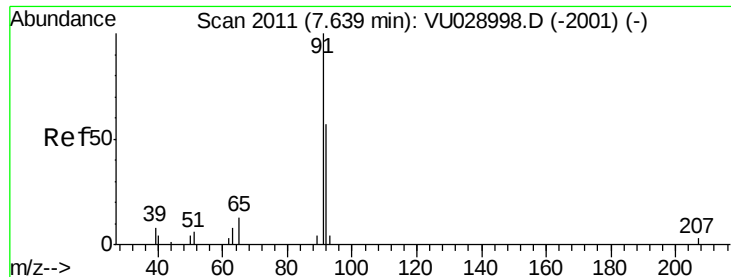
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028998.D (-1977) (-)

Ion 100.00 (99.70 to 100.70): VU028998.D (-1977) (-)





#52

Toluene

Concen: 17.696 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

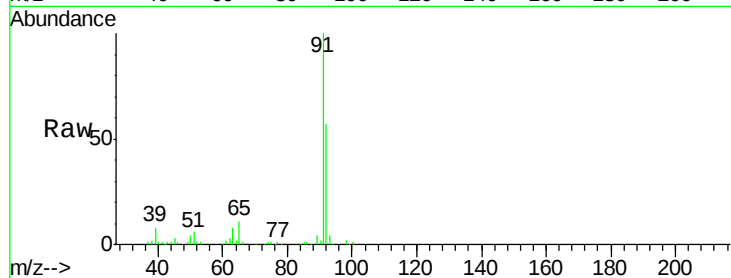
P-1419-W

Tot Ion: 92 Resp: 62646

Ion Ratio Lower Upper

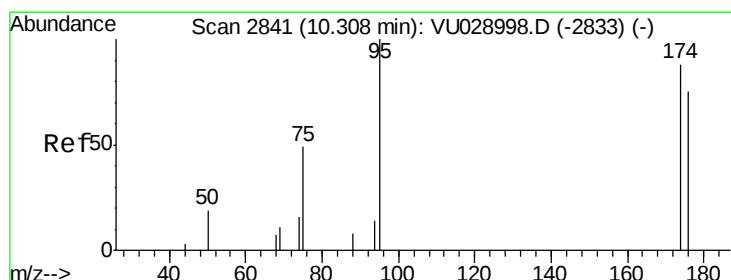
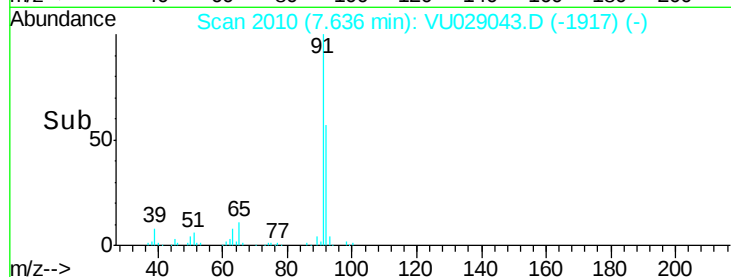
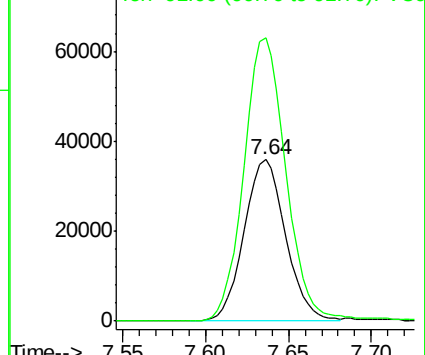
92 100

91 176.9 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 44.854 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

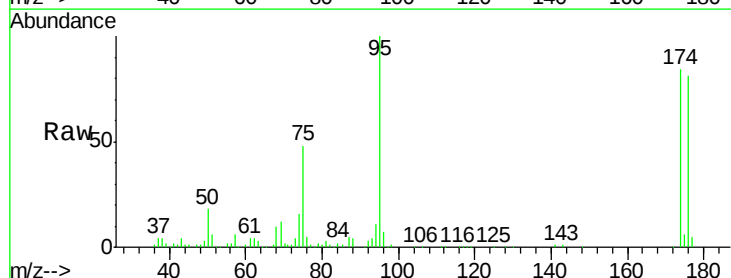
Tgt Ion: 95 Resp: 76939

Ion Ratio Lower Upper

95 100

174 82.3 0.0 170.6

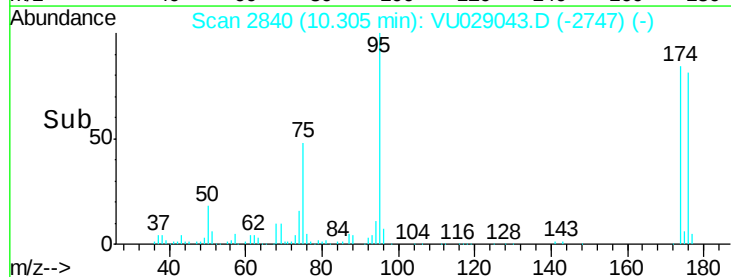
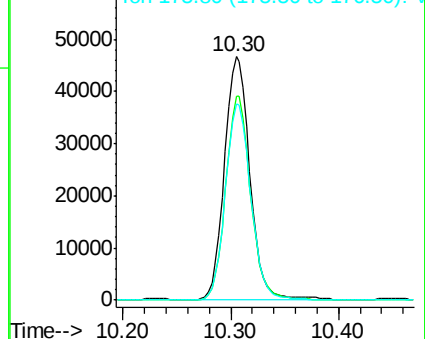
176 80.3 0.0 165.0

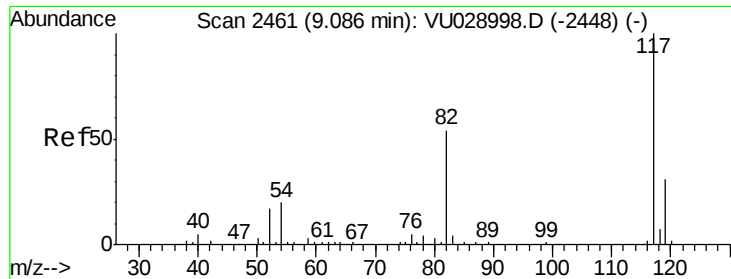


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

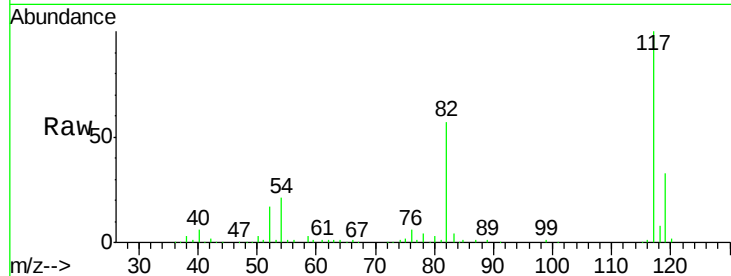




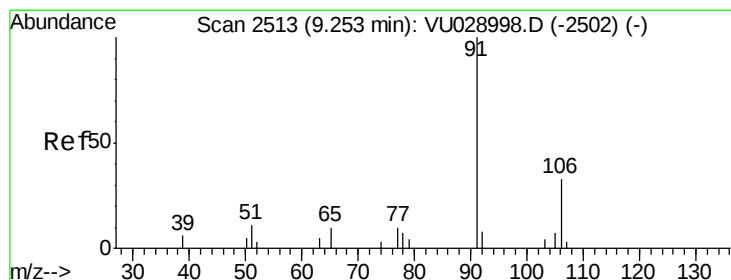
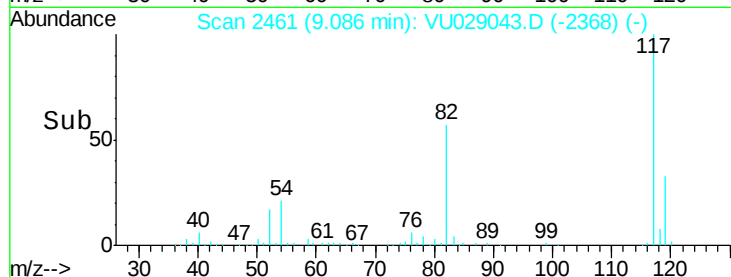
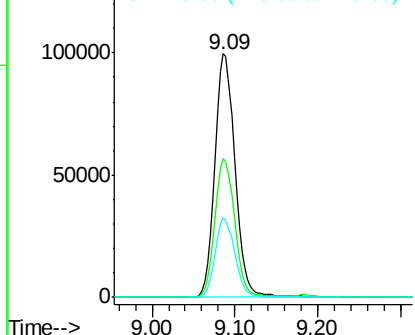
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU029043.D
Acq: 04 Jan 2019 21:32

Instrument :
MSVOA_U
ClientSampleId :
P-1419-W

Tot Ion:117 Resp: 168756
Ion Ratio Lower Upper
117 100
82 56.9 43.9 65.9
119 32.6 26.0 39.0

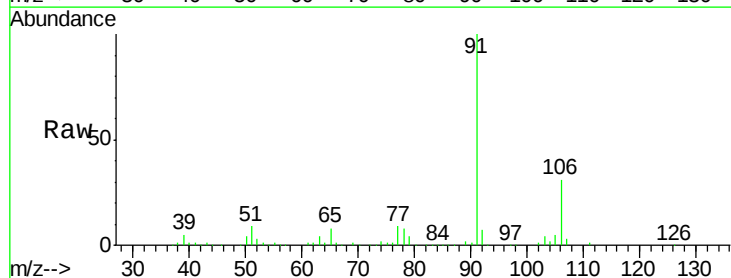


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

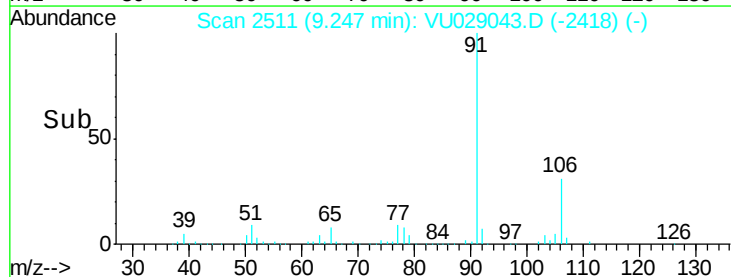
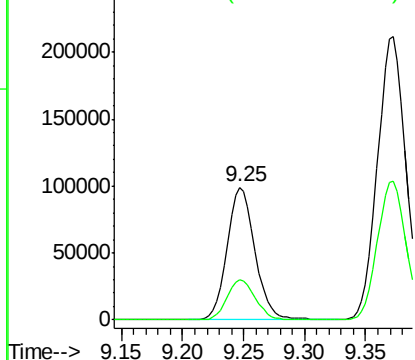


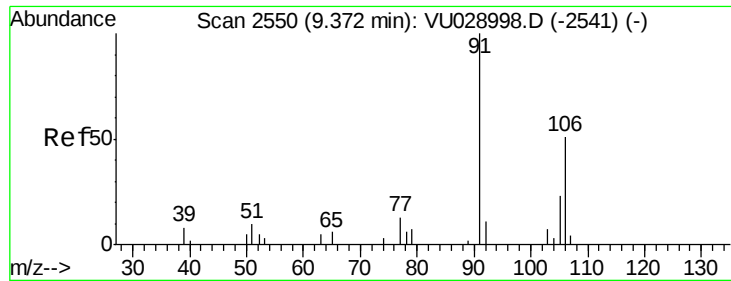
#67
Ethyl Benzene
Concen: 25.205 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU029043.D
Acq: 04 Jan 2019 21:32

Tgt Ion: 91 Resp: 159182
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.4



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

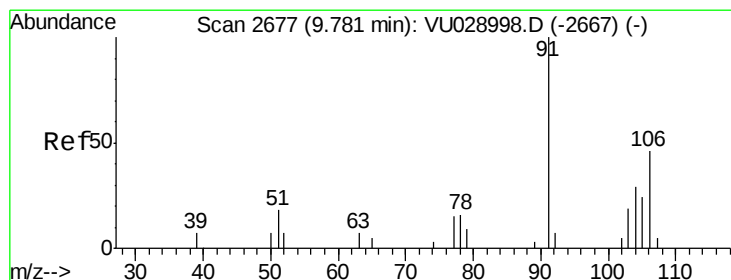
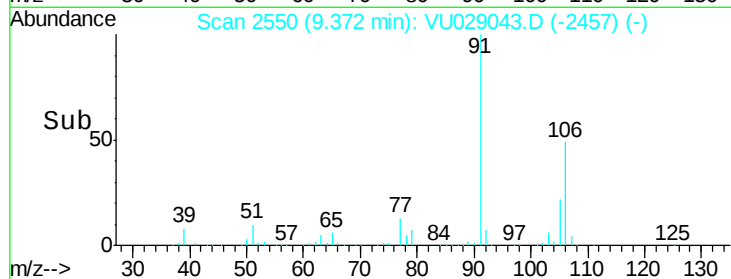
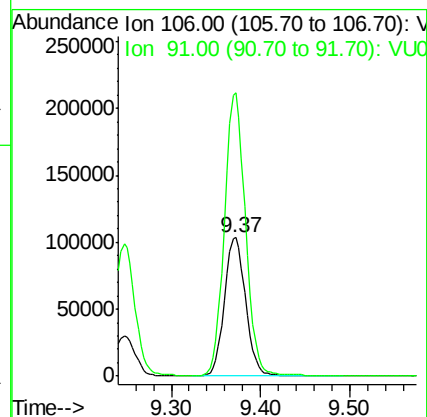
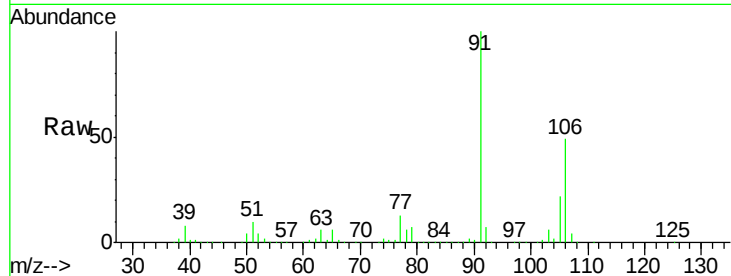




#68
m/p-Xylenes
Concen: 70.031 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU029043.D
Acq: 04 Jan 2019 21:32

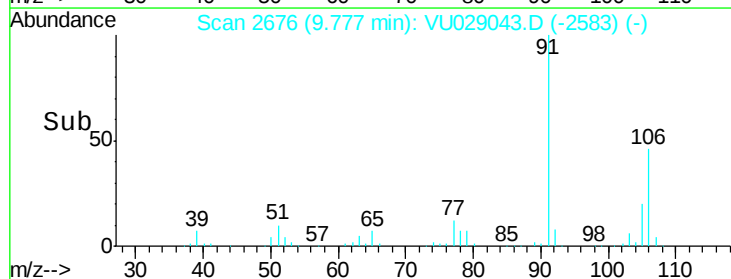
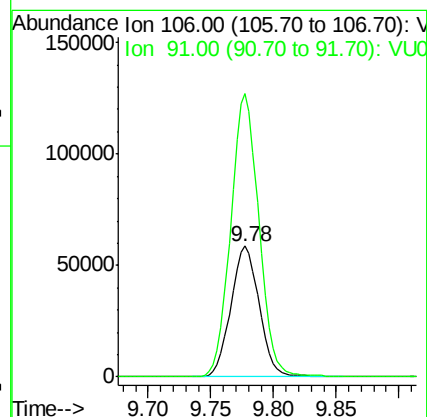
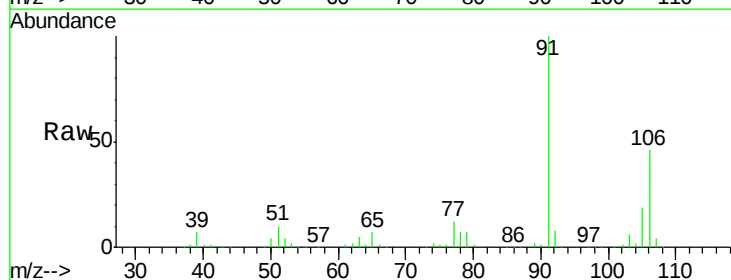
Instrument :
MSVOA_U
ClientSampled :
P-1419-W

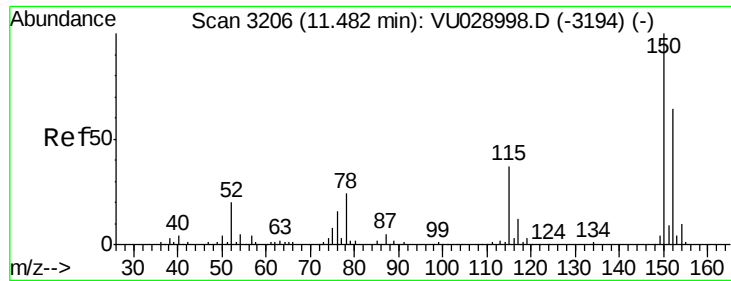
Tot Ion:106 Resp: 171846
Ion Ratio Lower Upper
106 100
91 202.5 161.7 242.5



#69
o-Xylene
Concen: 39.185 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029043.D
Acq: 04 Jan 2019 21:32

Tgt Ion:106 Resp: 92648
Ion Ratio Lower Upper
106 100
91 215.1 106.1 318.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

P-1419-W

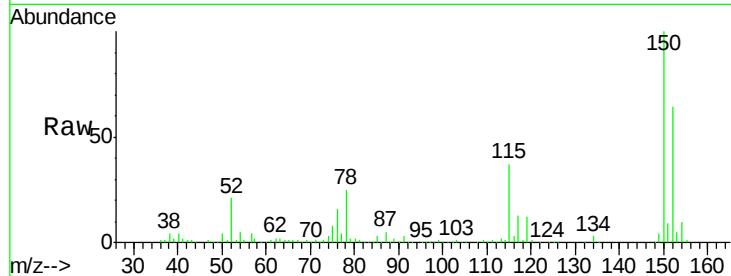
Tot Ion:152 Resp: 72875

Ion Ratio Lower Upper

152 100

115 59.2 40.1 120.3

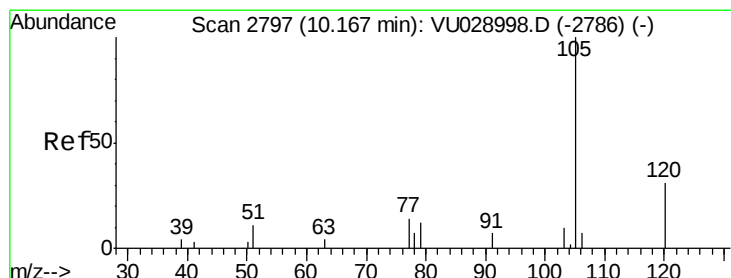
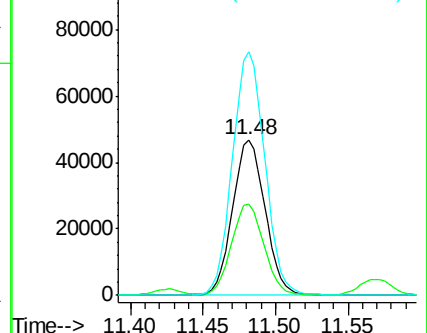
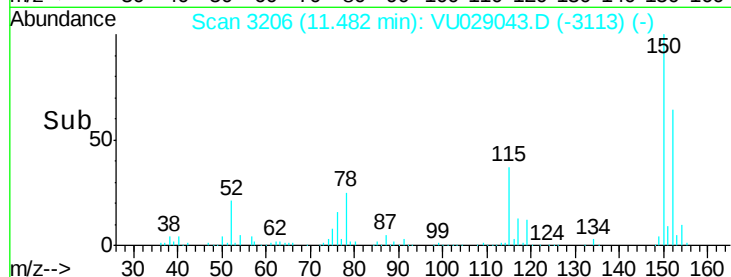
150 156.5 0.0 345.2



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



#73

Isopropylbenzene

Concen: 6.994 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU029043.D

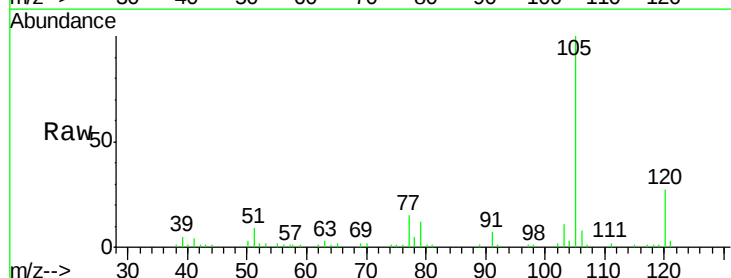
Acq: 04 Jan 2019 21:32

Tgt Ion:105 Resp: 37724

Ion Ratio Lower Upper

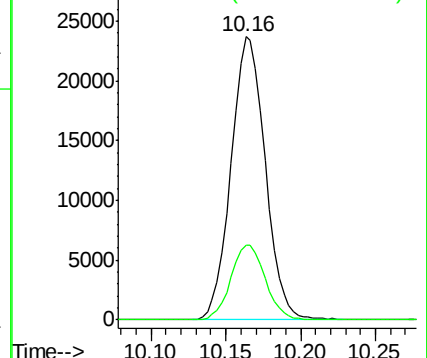
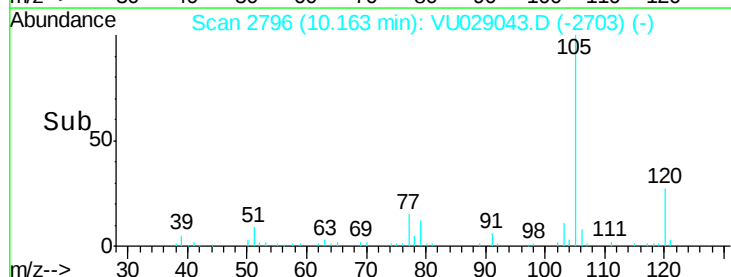
105 100

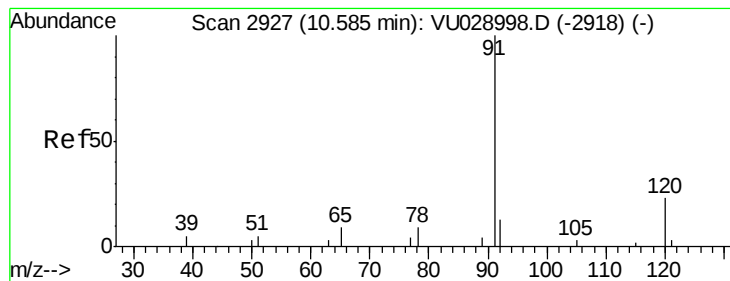
120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 18.970 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA_U

ClientSampled :

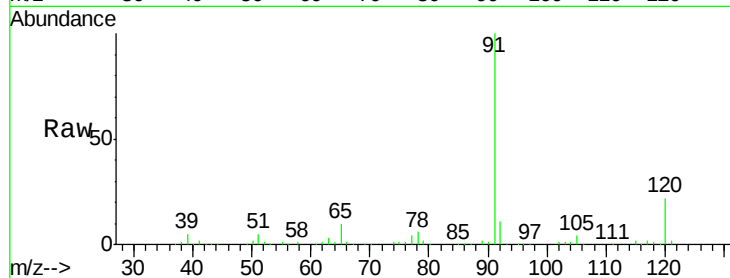
P-1419-W

Tot Ion: 91 Resp: 120590

Ion Ratio Lower Upper

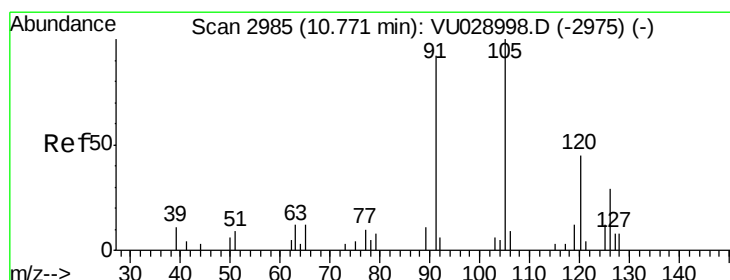
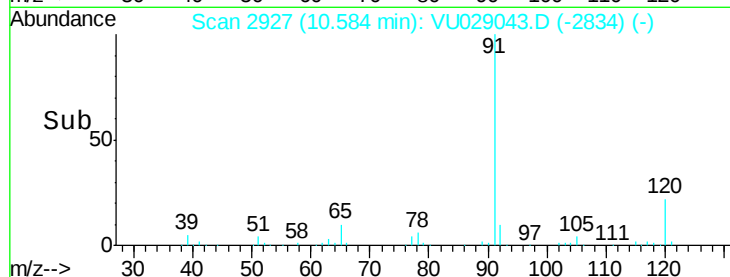
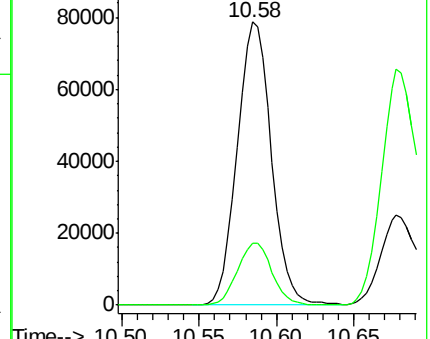
91 100

120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2918) (-)

Ion 120.00 (119.70 to 120.70): VU028998.D (-2918) (-)



#80

1,3,5-Trimethylbenzene

Concen: 25.788 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU029043.D

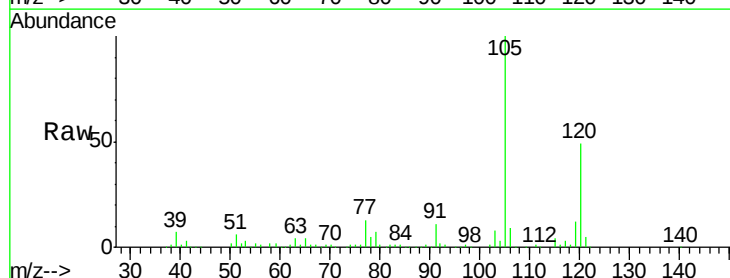
Acq: 04 Jan 2019 21:32

Tgt Ion: 105 Resp: 116162

Ion Ratio Lower Upper

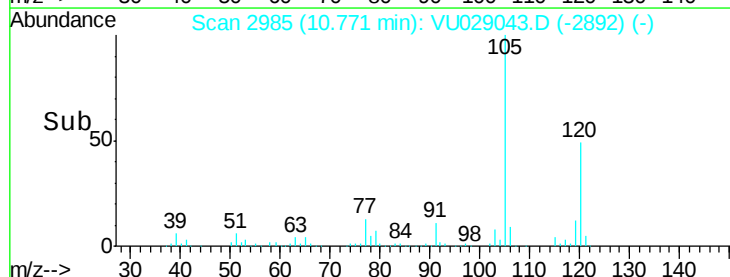
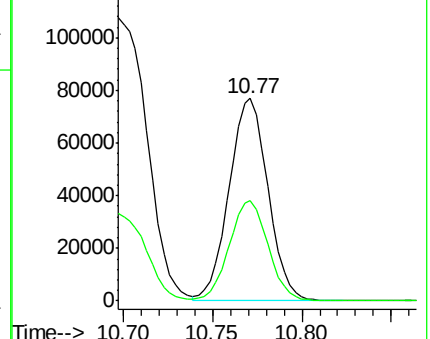
105 100

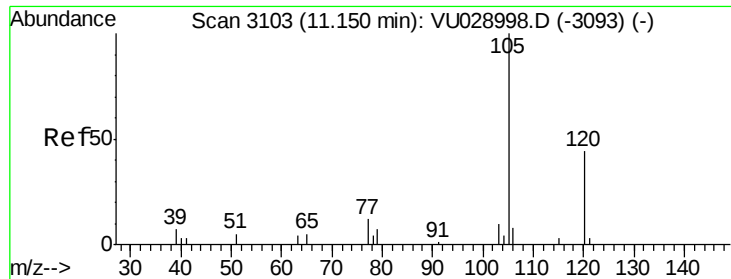
120 49.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028998.D (-2975) (-)

Ion 120.00 (119.70 to 120.70): VU028998.D (-2975) (-)

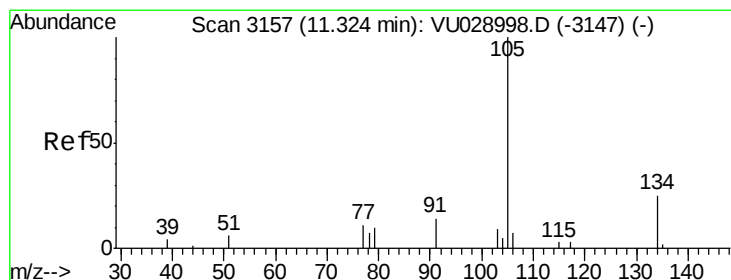
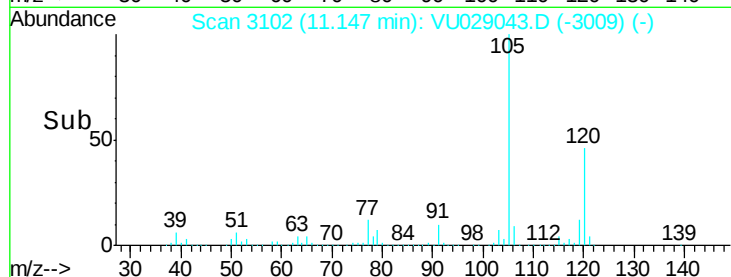
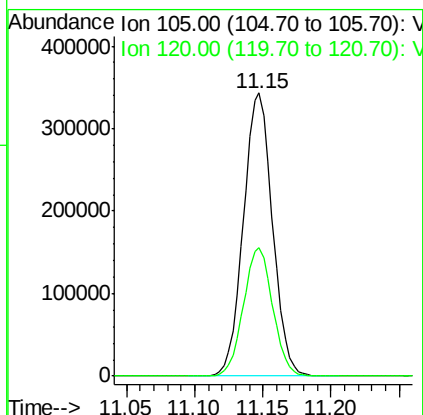
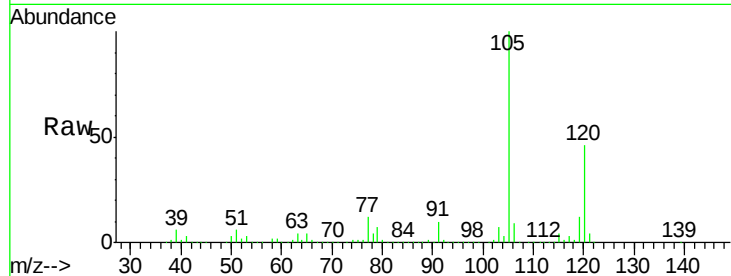




#84
 1,2,4-Trimethylbenzene
 Concen: 112.753 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU029043.D
 Acq: 04 Jan 2019 21:32

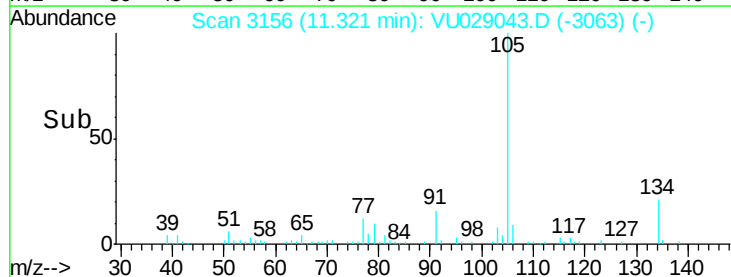
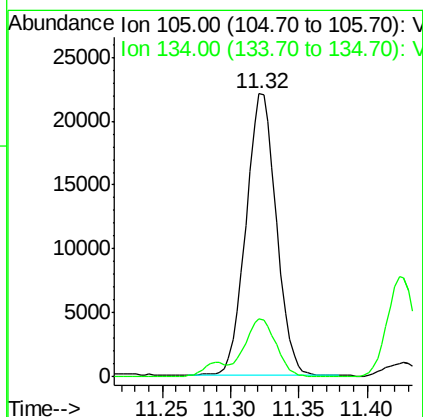
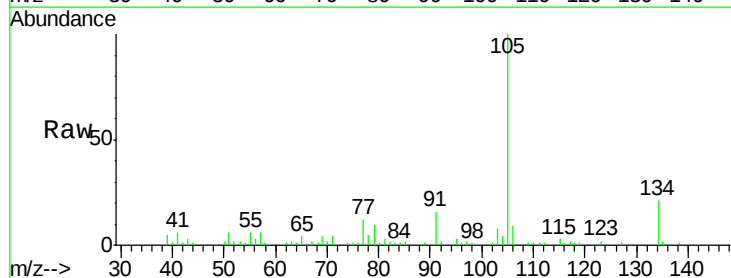
Instrument :
 MSVOA_U
 ClientSampleId :
 P-1419-W

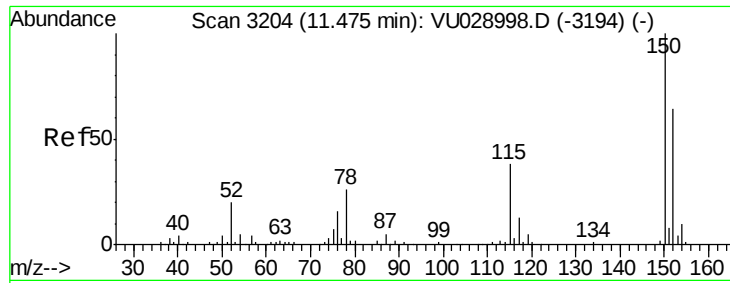
Tot Ion:105 Resp: 507076
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 6.348 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU029043.D
 Acq: 04 Jan 2019 21:32

Tgt Ion:105 Resp: 34085
 Ion Ratio Lower Upper
 105 100
 134 21.1 9.7 29.1

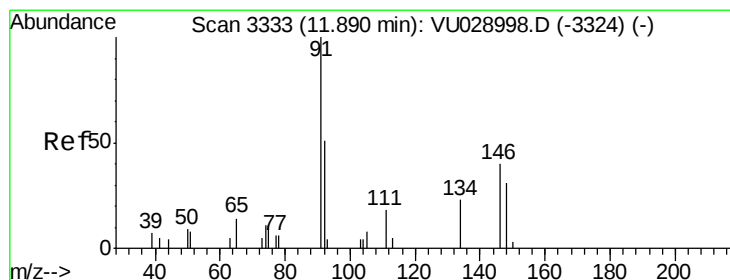
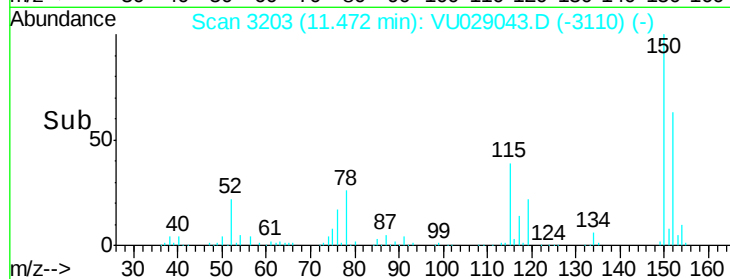
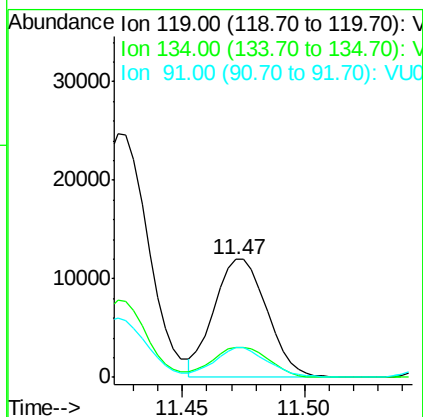
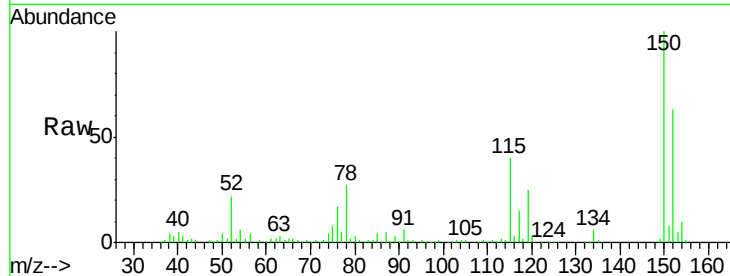




#86
 p-Isopropyltoluene
 Concen: 3.970 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU029043.D
 Acq: 04 Jan 2019 21:32

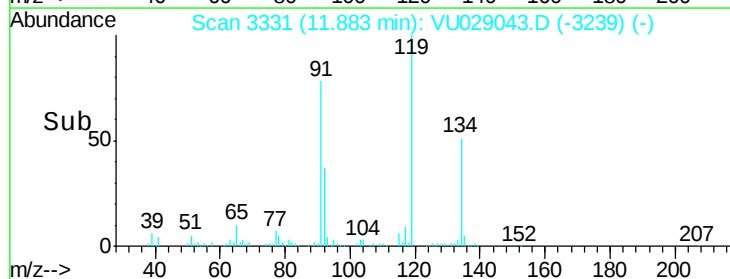
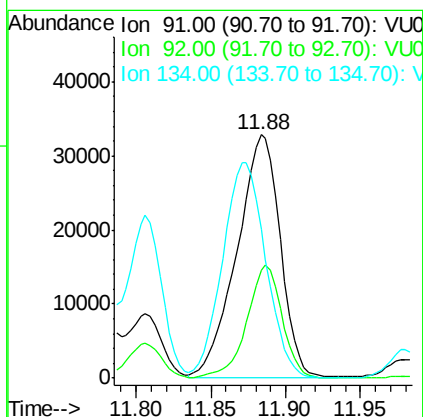
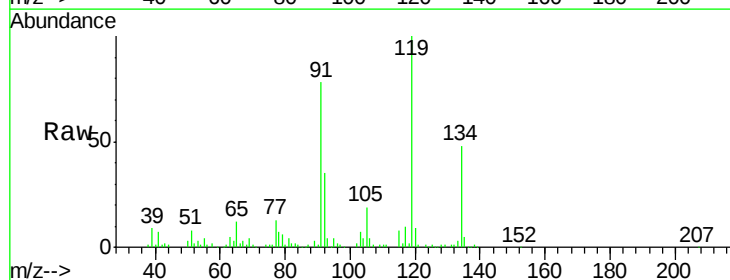
Instrument :
 MSVOA_U
 ClientSampleId :
 P-1419-W

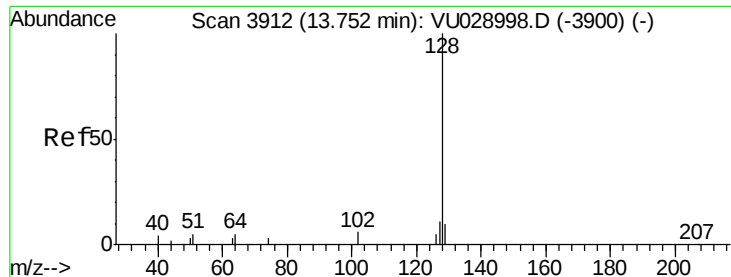
Tot Ion: 119 Resp: 18162
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.5 40.4
 91 25.4 11.3 33.8



#89
 n-Butylbenzene
 Concen: 16.204 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. -0.00 min
 Lab File: VU029043.D
 Acq: 04 Jan 2019 21:32

Tgt Ion: 91 Resp: 66171
 Ion Ratio Lower Upper
 91 100
 92 37.9 26.2 78.5
 134 88.5 12.6 37.6#





#95

Naphthalene

Concen: 36.283 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU029043.D

Acq: 04 Jan 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

P-1419-W

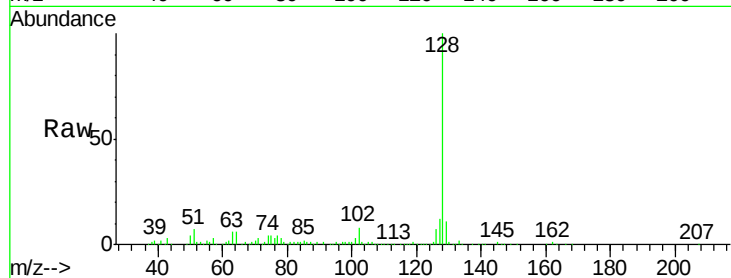
Tot Ion:128 Resp: 204613

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

129 11.3 8.5 12.7



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

