

Data File : VU028919.D
Acq On : 22 Dec 2018 17:01
Operator : MD/SY
Sample : J6426-08ME 10X
Misc : 4.36g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013-3036-01ME

Quant Time: Dec 24 06:34:45 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	179994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	293337	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	124790	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	103961	37.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.70%	
35) Dibromofluoromethane	4.88	113	91250	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	7.57	98	368558	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	10.30	95	129510	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	

Target Compounds

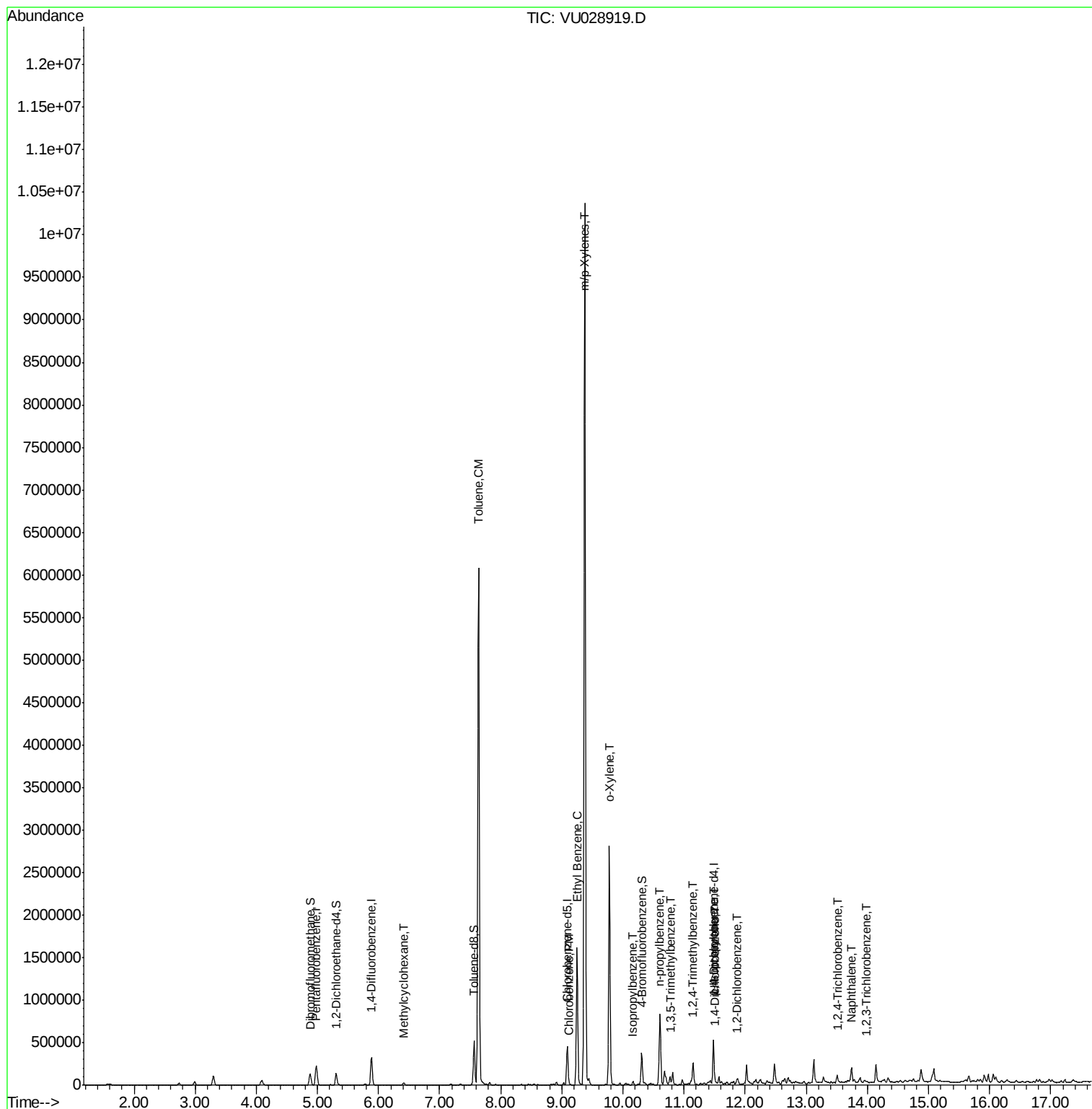
						Qvalue
39) Methylcyclohexane	6.41	83	12298	3.140	ug/l	90
52) Toluene	7.64	92	2640687	474.612	ug/l	98
65) Chlorobenzene	9.12	112	4229	0.742	ug/l	94
67) Ethyl Benzene	9.25	91	1184635	113.056	ug/l	98
68) m/p-Xylenes	9.38	106	3005018	788.145	ug/l	94
69) o-Xylene	9.78	106	771465	208.208	ug/l	93
73) Isopropylbenzene	10.17	105	25222	2.634	ug/l	99
78) n-propylbenzene	10.59	91	45629	3.835	ug/l	93
80) 1,3,5-Trimethylbenzene	10.77	105	47416	5.982	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	139919	17.128	ug/l	96
86) p-Isopropyltoluene	11.48	119	33793	4.053	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	5779	1.321	ug/l #	77
91) 1,2-Dichlorobenzene	11.88	146	2790	0.660	ug/l	91
93) 1,2,4-Trichlorobenzene	13.50	180	20592	7.808	ug/l	94
95) Naphthalene	13.74	128	128870	12.696	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	4198	1.593	ug/l #	75

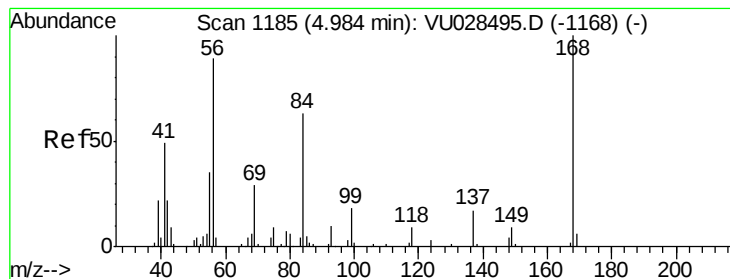
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028919.D

Acq: 22 Dec 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

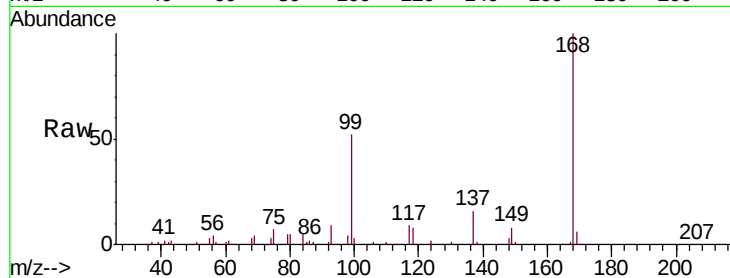
P001-SS013-3036-01ME

Tgt Ion:168 Resp: 179994

Ion Ratio Lower Upper

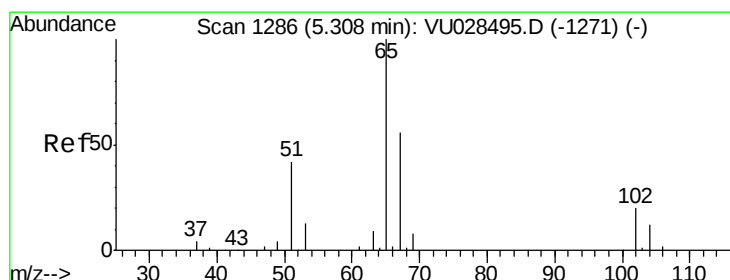
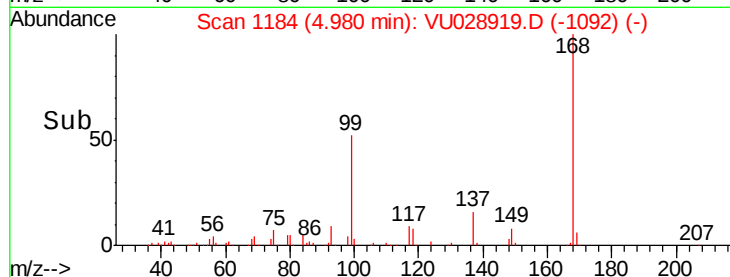
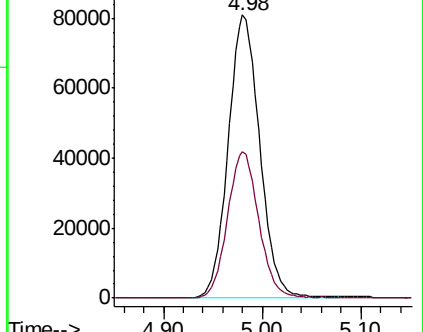
168 100

99 51.9 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) (-)



#33

1,2-Dichloroethane-d4

Concen: 37.848 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028919.D

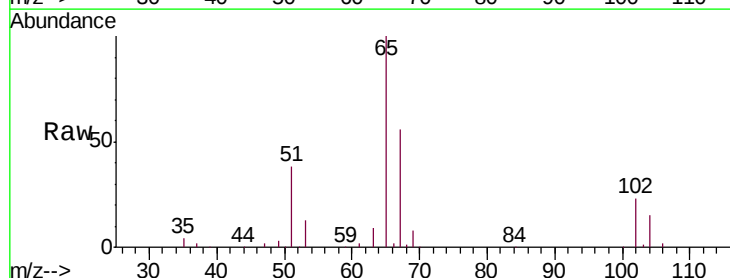
Acq: 22 Dec 2018 17:01

Tgt Ion: 65 Resp: 103961

Ion Ratio Lower Upper

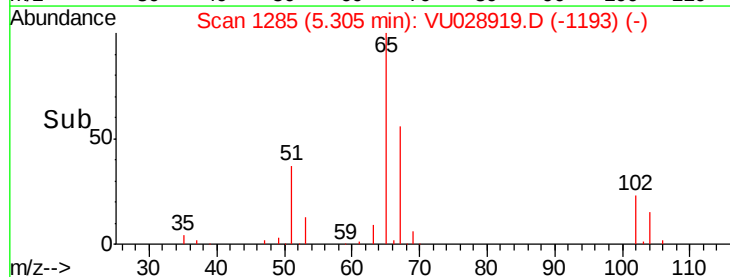
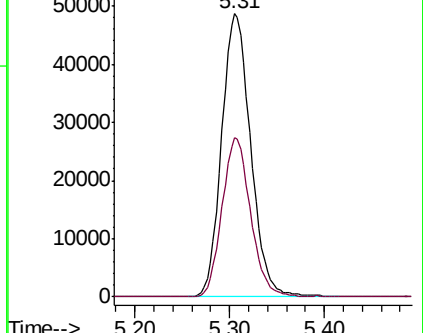
65 100

67 55.2 0.0 110.6



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

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

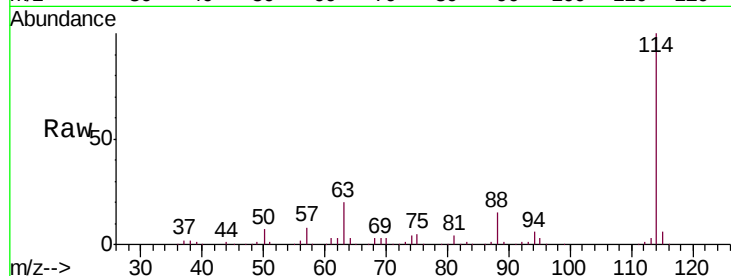




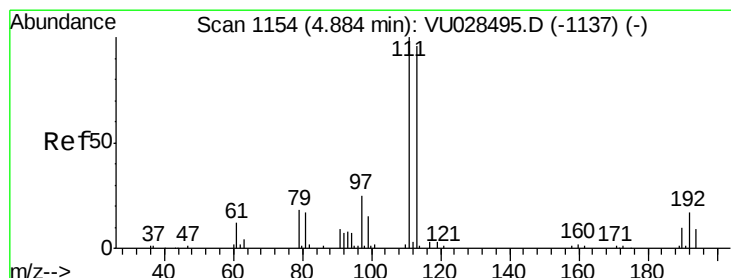
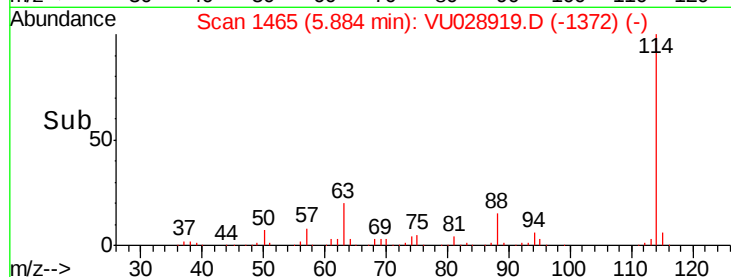
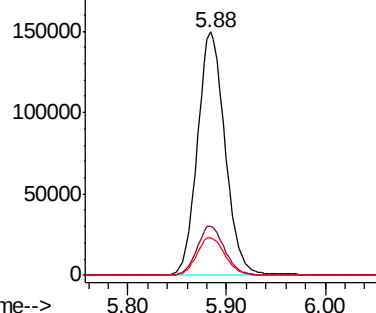
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028919.D
 Acq: 22 Dec 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013-3036-01ME

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	49.2
88	15.4	0.0	33.4

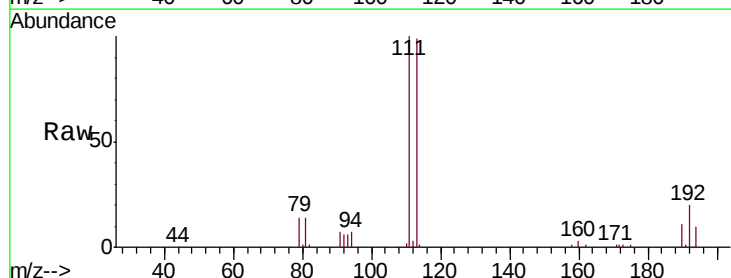


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

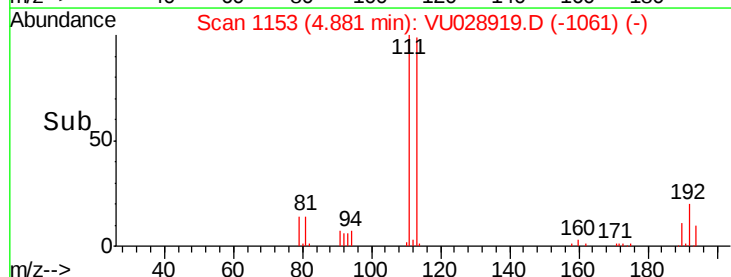
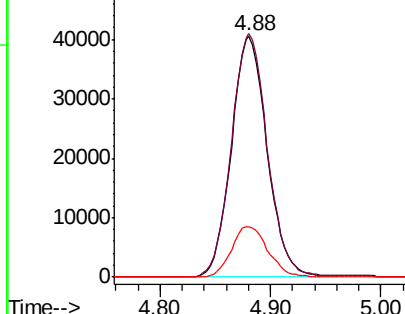


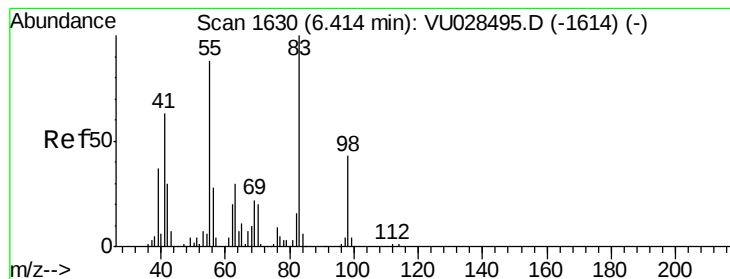
#35
 Dibromofluoromethane
 Concen: 49.431 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028919.D
 Acq: 22 Dec 2018 17:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.4	125.0
192	21.2	14.8	22.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#39

Methylcyclohexane

Concen: 3.140 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028919.D

Acq: 22 Dec 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013-3036-01ME

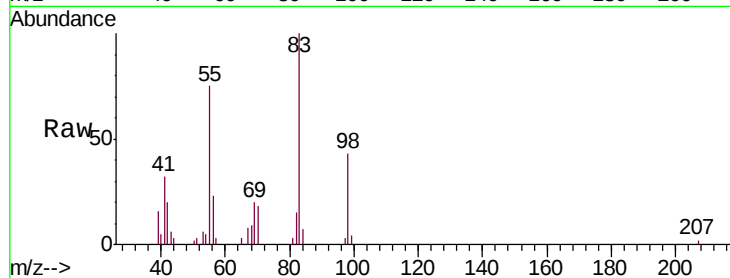
Tgt Ion: 83 Resp: 12298

Ion Ratio Lower Upper

83 100

55 74.5 70.2 105.2

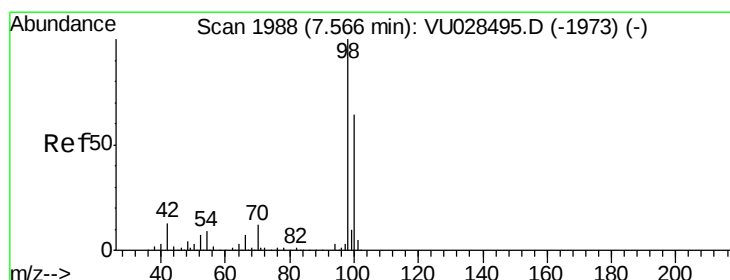
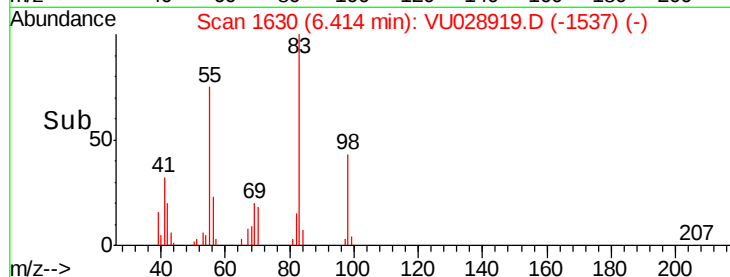
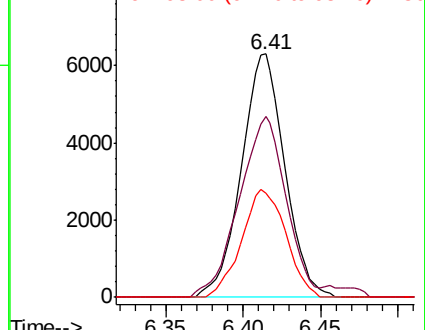
98 43.0 34.2 51.4



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



#50

Toluene-d8

Concen: 50.471 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028919.D

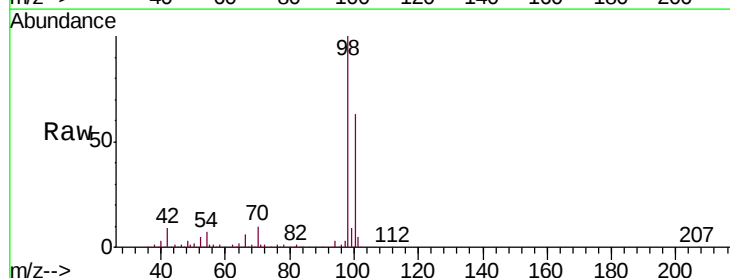
Acq: 22 Dec 2018 17:01

Tgt Ion: 98 Resp: 368558

Ion Ratio Lower Upper

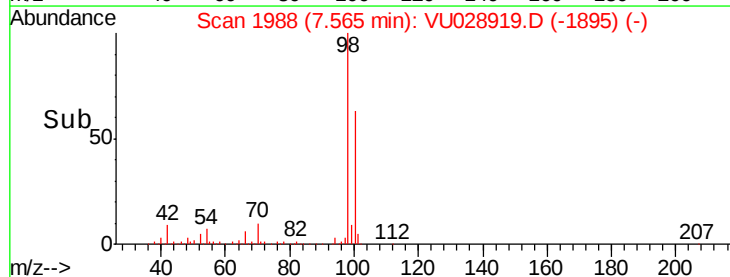
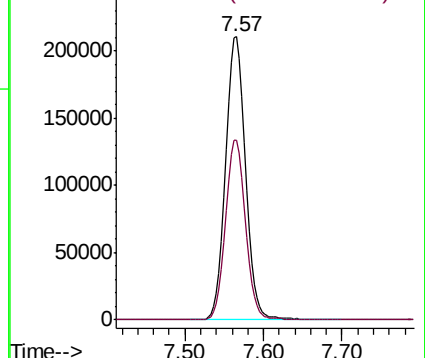
98 100

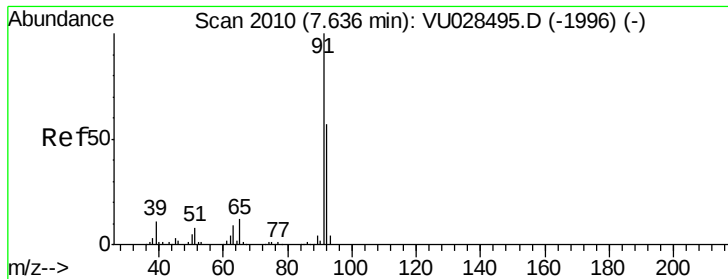
100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 474.612 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028919.D

Acq: 22 Dec 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

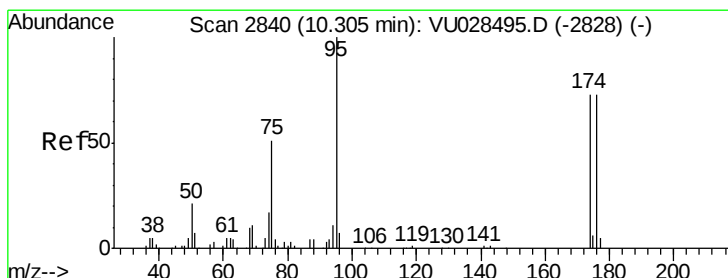
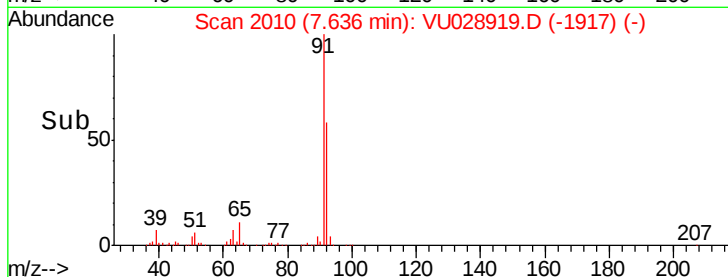
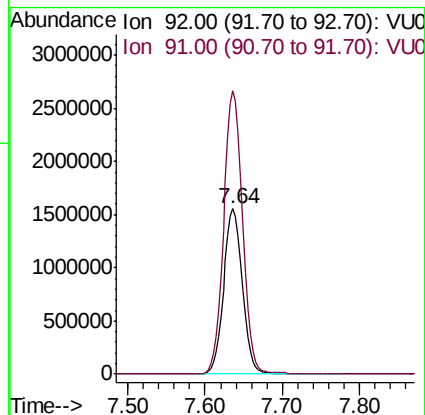
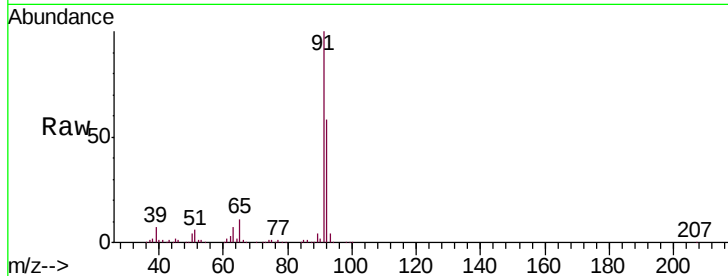
P001-SS013-3036-01ME

Tgt Ion: 92 Resp: 2640687

Ion Ratio Lower Upper

92 100

91 172.6 140.2 210.4



#62

4-Bromofluorobenzene

Concen: 47.450 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028919.D

Acq: 22 Dec 2018 17:01

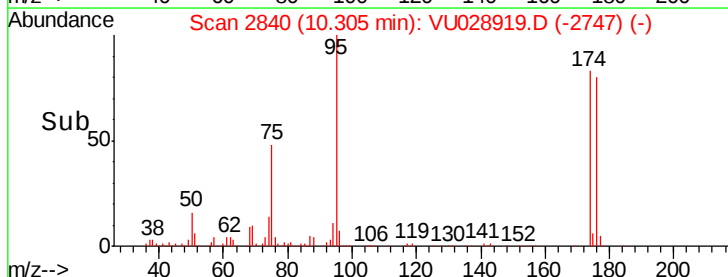
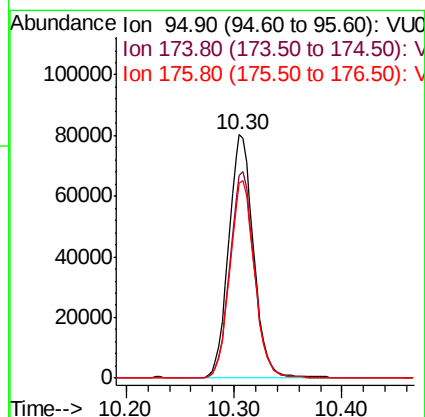
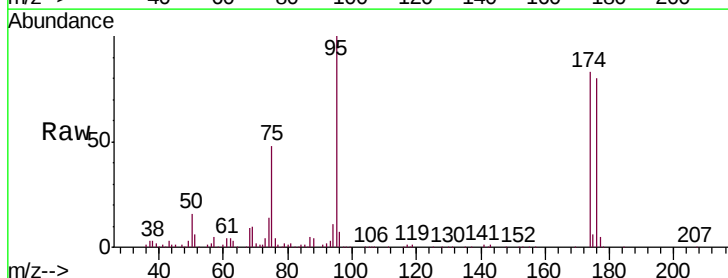
Tgt Ion: 95 Resp: 129510

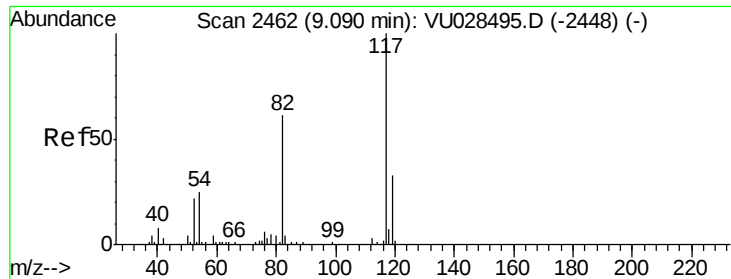
Ion Ratio Lower Upper

95 100

174 83.0 0.0 150.4

176 80.4 0.0 145.2

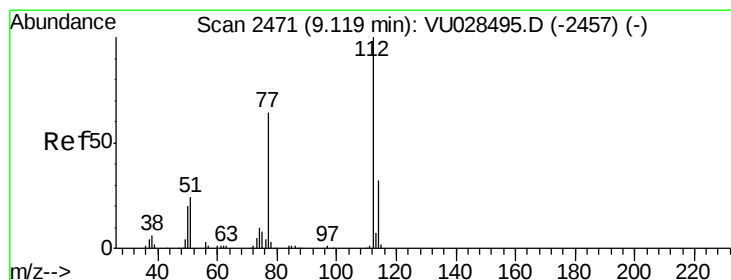
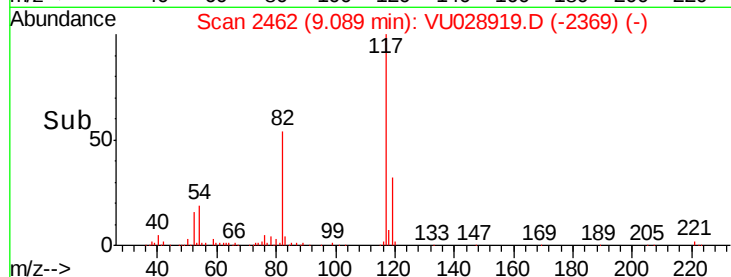
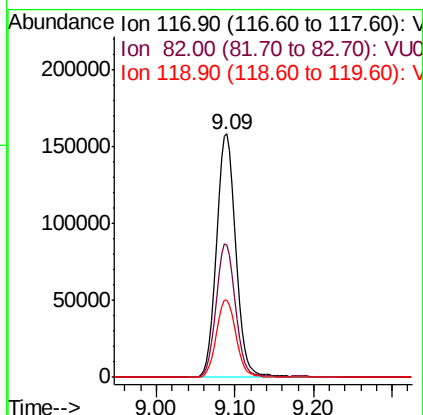
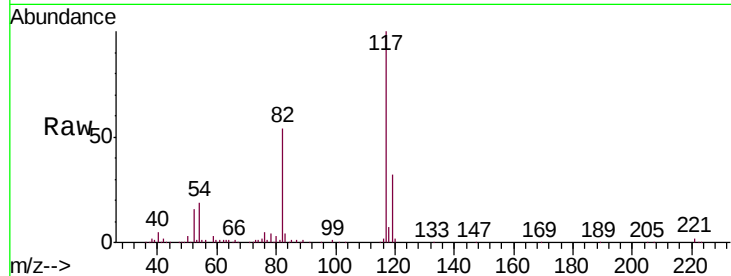




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028919.D
Acq: 22 Dec 2018 17:01

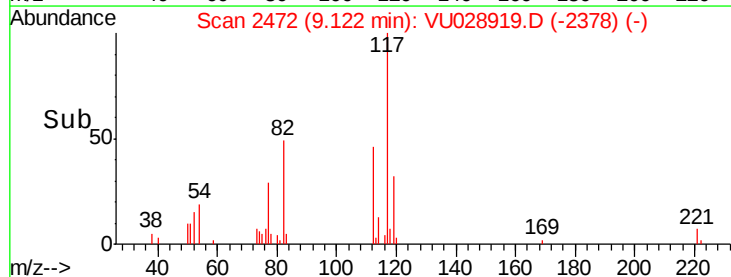
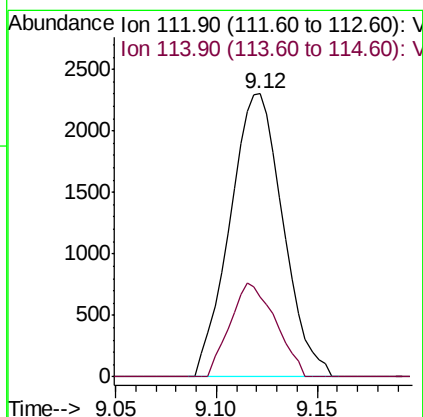
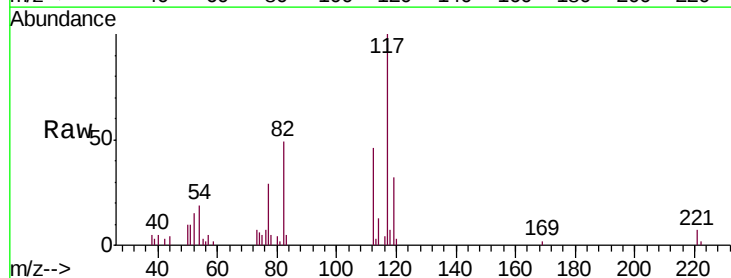
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013-3036-01ME

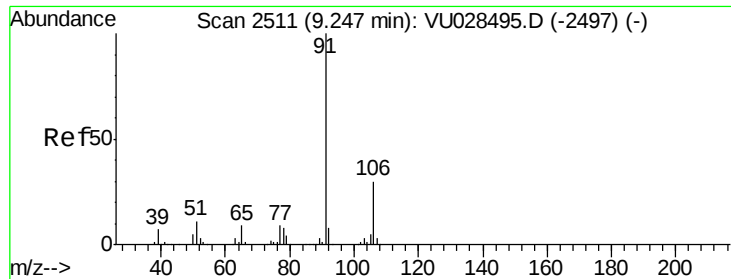
Tgt Ion:117 Resp: 267489
Ion Ratio Lower Upper
117 100
82 54.4 48.9 73.3
119 31.7 26.2 39.4



#65
Chlorobenzene
Concen: 0.742 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU028919.D
Acq: 22 Dec 2018 17:01

Tgt Ion:112 Resp: 4229
Ion Ratio Lower Upper
112 100
114 28.4 25.3 37.9

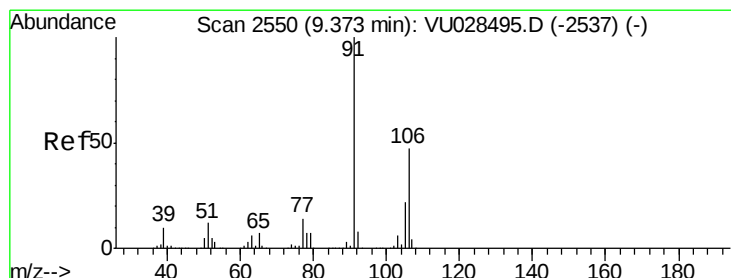
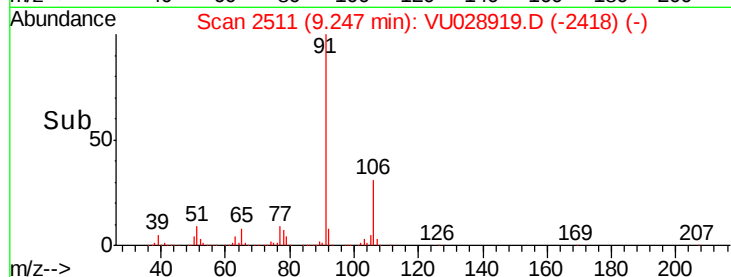
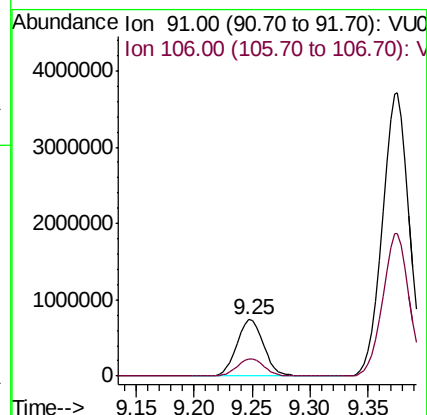
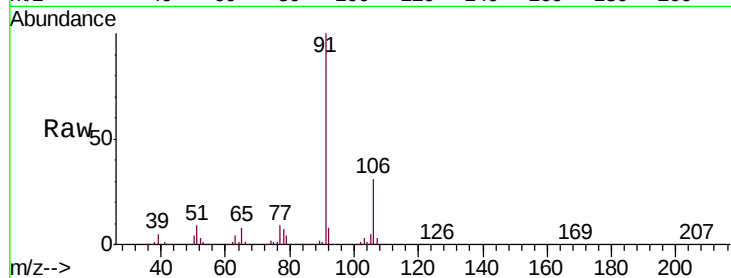




#67
Ethyl Benzene
Concen: 113.056 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028919.D
Acq: 22 Dec 2018 17:01

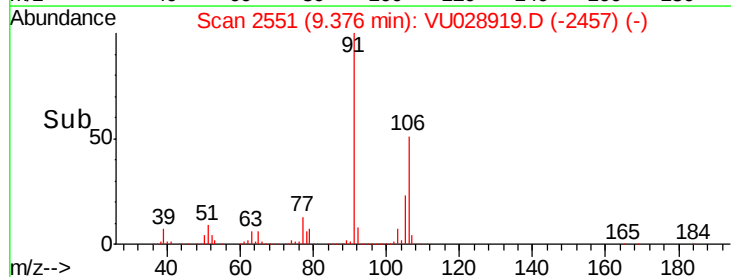
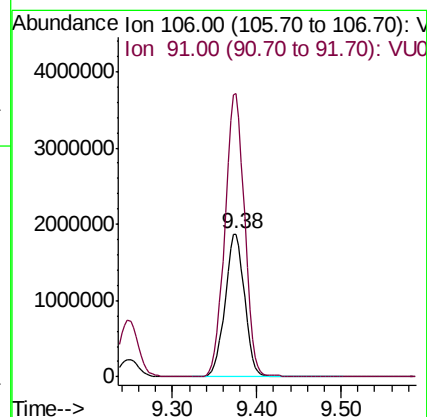
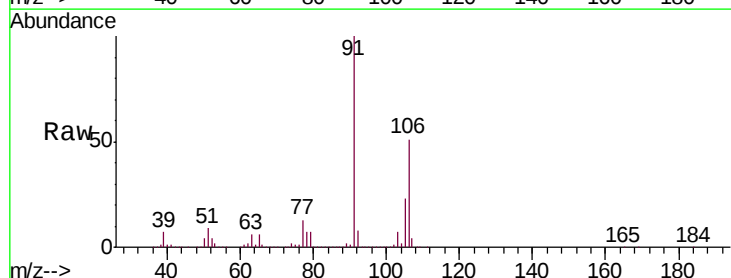
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013-3036-01ME

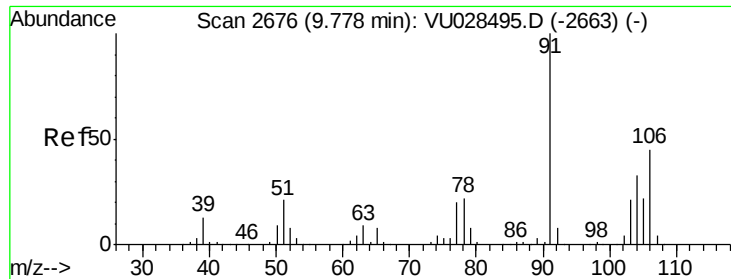
Tgt Ion: 91 Resp: 1184635
Ion Ratio Lower Upper
91 100
106 31.3 24.1 36.1



#68
m/p-Xylenes
Concen: 788.145 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028919.D
Acq: 22 Dec 2018 17:01

Tgt Ion: 106 Resp: 3005018
Ion Ratio Lower Upper
106 100
91 200.5 167.4 251.0

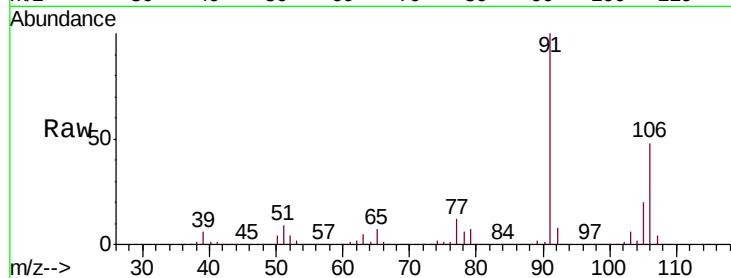




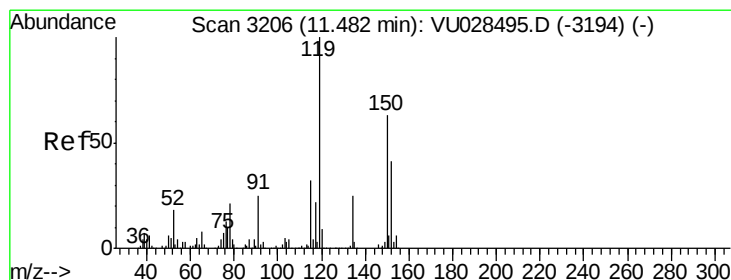
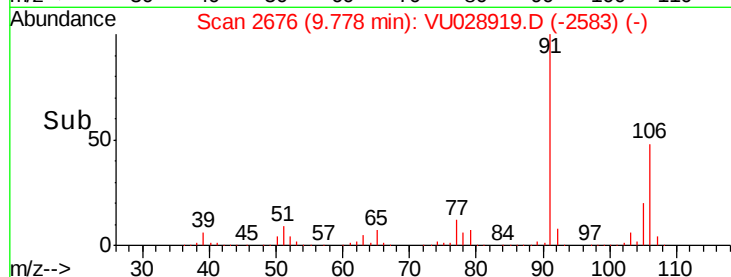
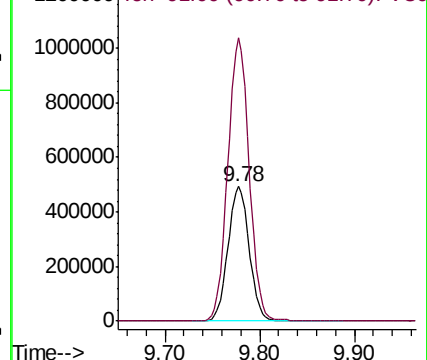
#69
o-Xylene
Concen: 208.208 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028919.D
Acq: 22 Dec 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013-3036-01ME

Tgt Ion:106 Resp: 771465
Ion Ratio Lower Upper
106 100
91 211.1 111.3 334.0

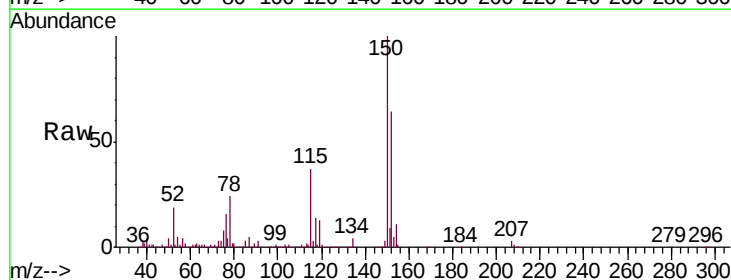


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

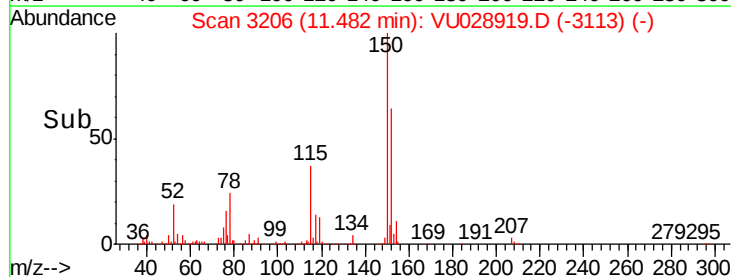
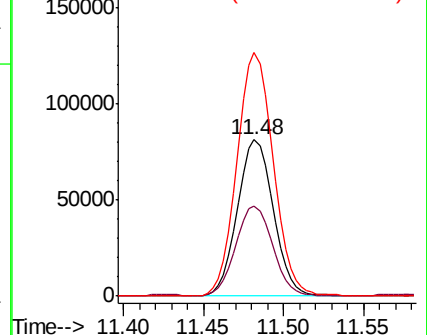


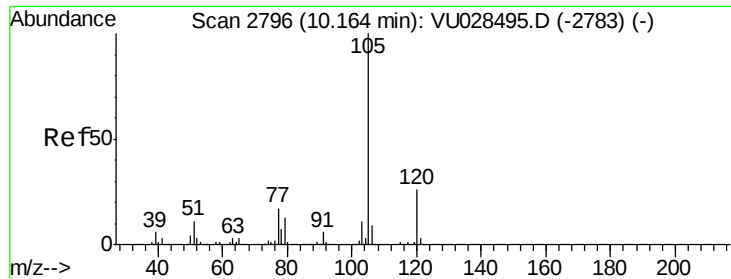
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028919.D
Acq: 22 Dec 2018 17:01

Tgt Ion:152 Resp: 124790
Ion Ratio Lower Upper
152 100
115 58.6 42.7 128.1
150 157.5 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.634 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028919.D

Acq: 22 Dec 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

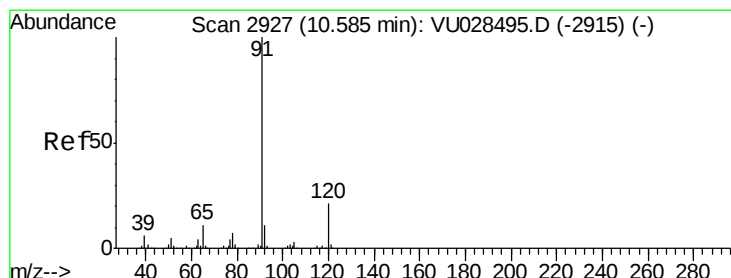
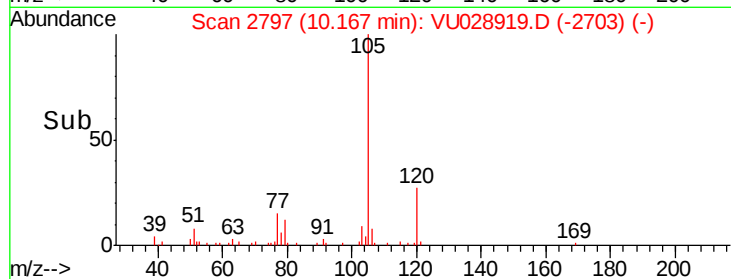
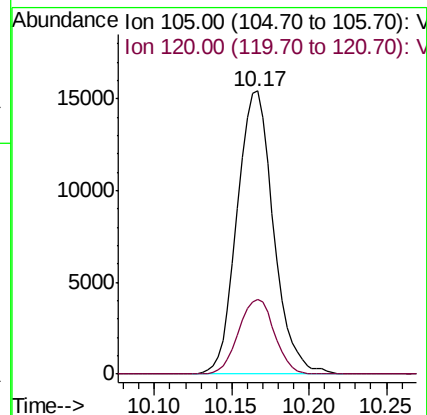
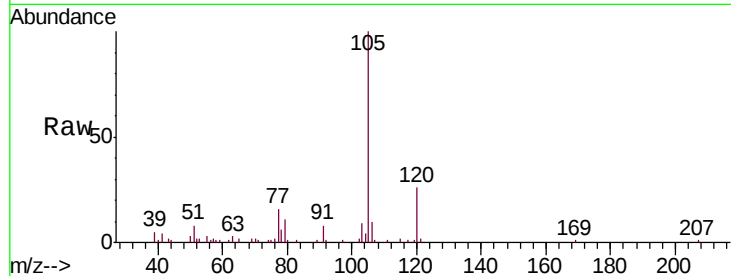
P001-SS013-3036-01ME

Tgt Ion:105 Resp: 25222

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.6



#78

n-propylbenzene

Concen: 3.835 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028919.D

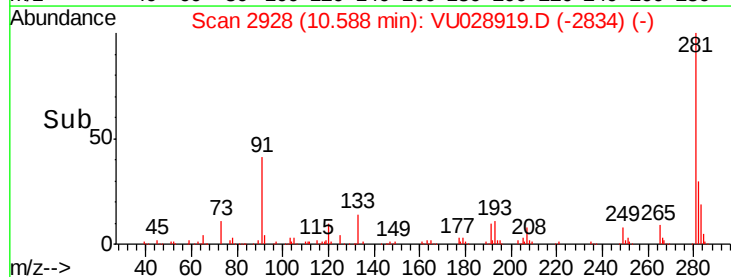
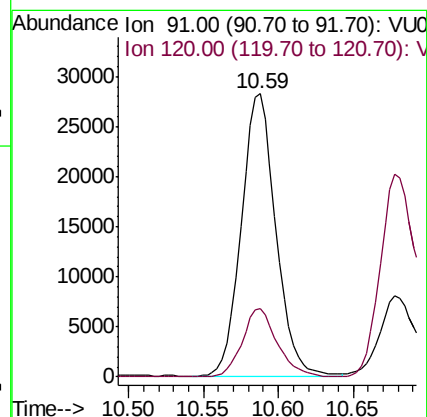
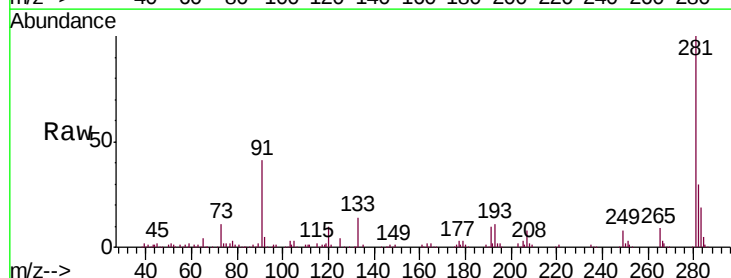
Acq: 22 Dec 2018 17:01

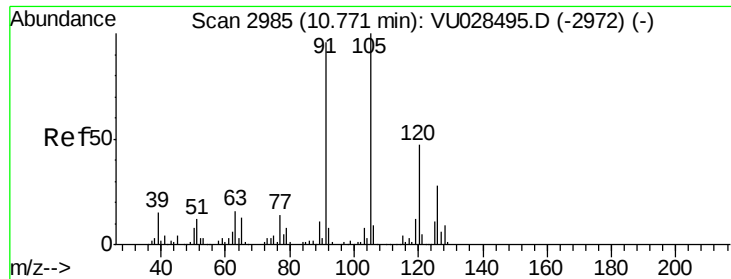
Tgt Ion: 91 Resp: 45629

Ion Ratio Lower Upper

91 100

120 24.3 10.6 31.8

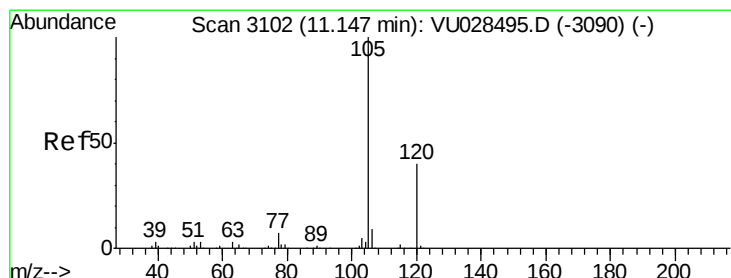
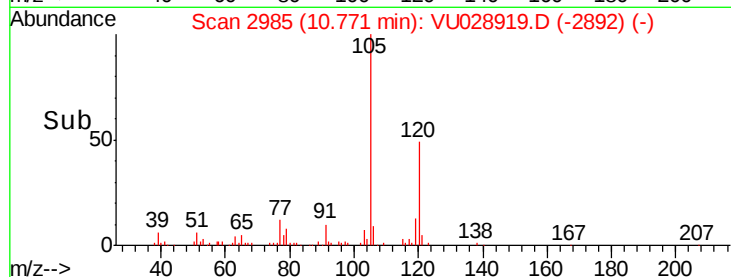
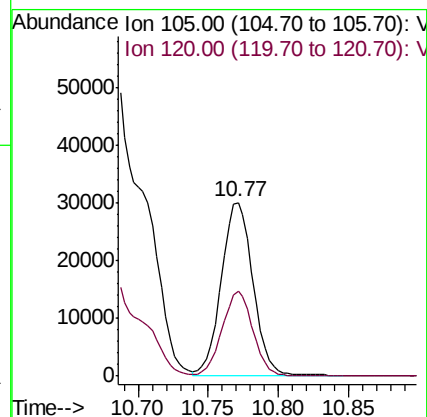
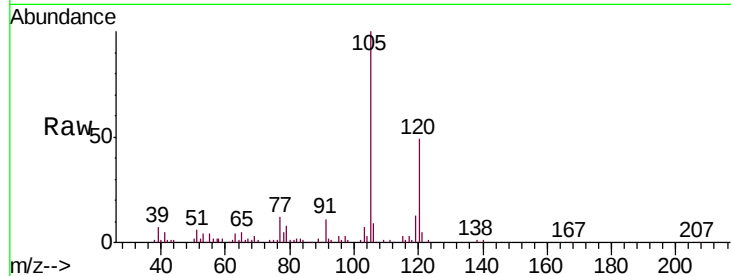




#80
 1,3,5-Trimethylbenzene
 Concen: 5.982 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028919.D
 Acq: 22 Dec 2018 17:01

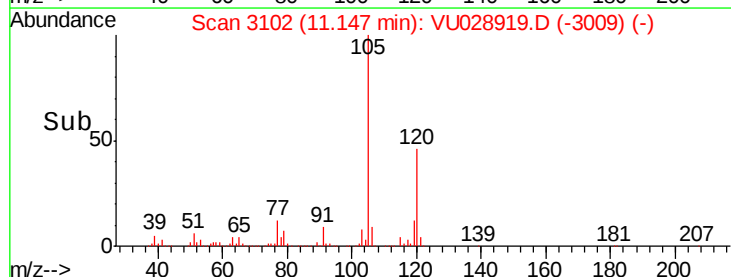
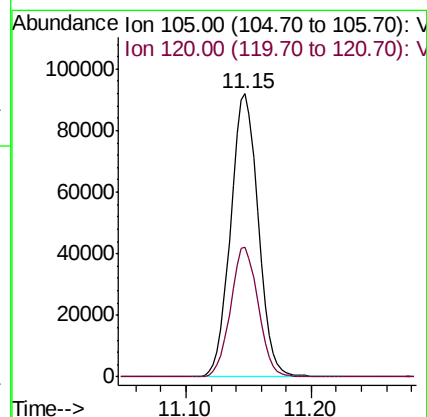
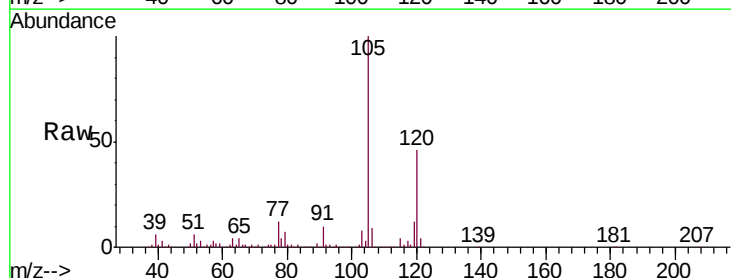
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013-3036-01ME

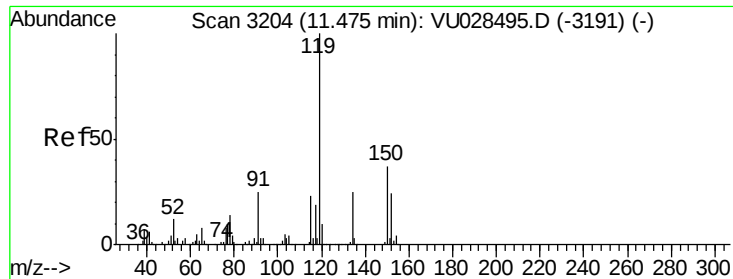
Tgt Ion:105 Resp: 47416
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 17.128 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028919.D
 Acq: 22 Dec 2018 17:01

Tgt Ion:105 Resp: 139919
 Ion Ratio Lower Upper
 105 100
 120 45.9 21.8 65.4

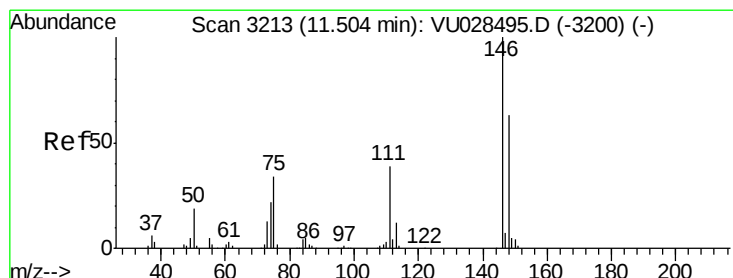
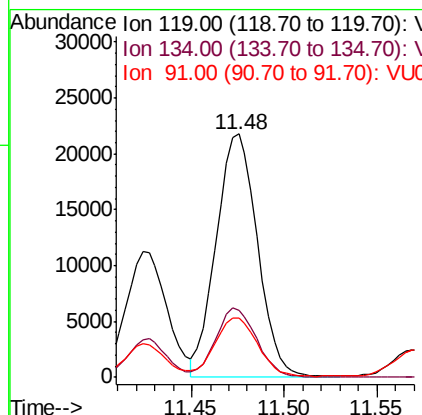
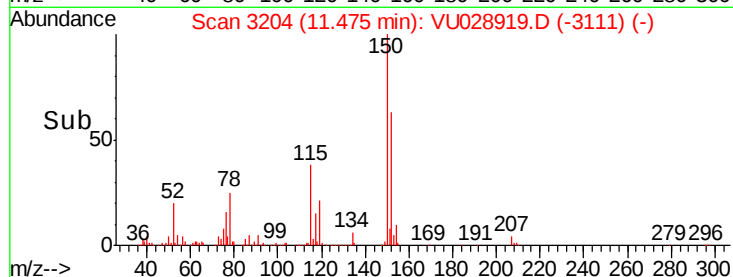
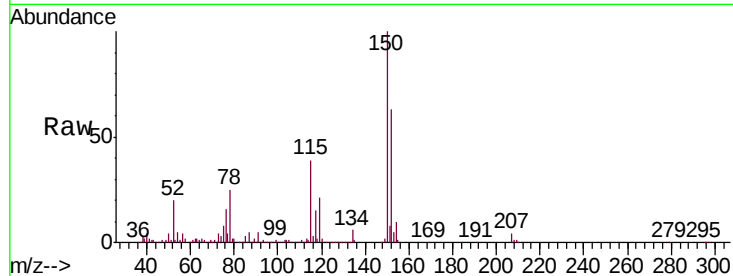




#86
 p-Isopropyltoluene
 Concen: 4.053 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028919.D
 Acq: 22 Dec 2018 17:01

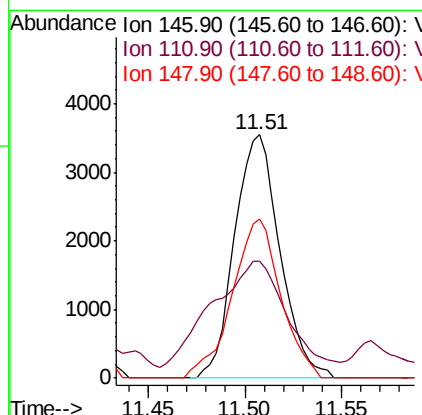
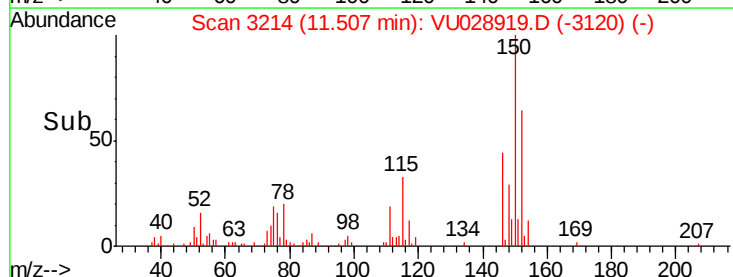
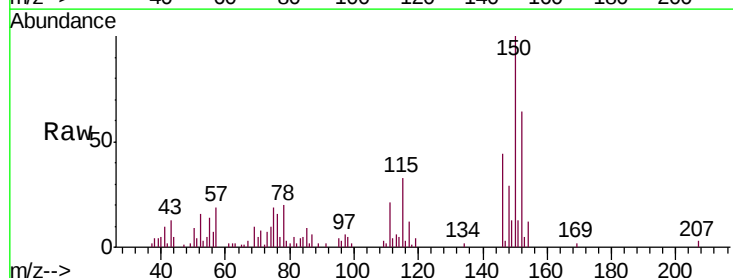
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013-3036-01ME

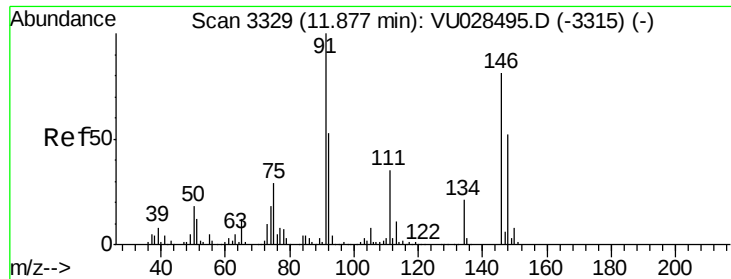
Tgt Ion:119 Resp: 33793
 Ion Ratio Lower Upper
 119 100
 134 27.9 12.7 38.1
 91 25.4 12.6 37.6



#88
 1,4-Dichlorobenzene
 Concen: 1.321 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028919.D
 Acq: 22 Dec 2018 17:01

Tgt Ion:146 Resp: 5779
 Ion Ratio Lower Upper
 146 100
 111 69.0 20.2 60.5#
 148 69.8 31.6 95.0

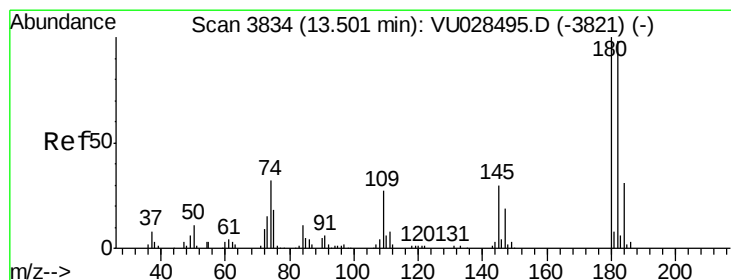
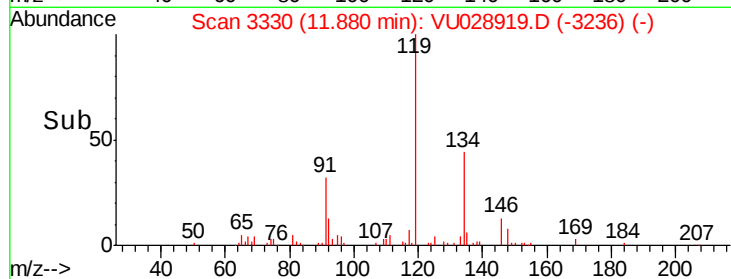
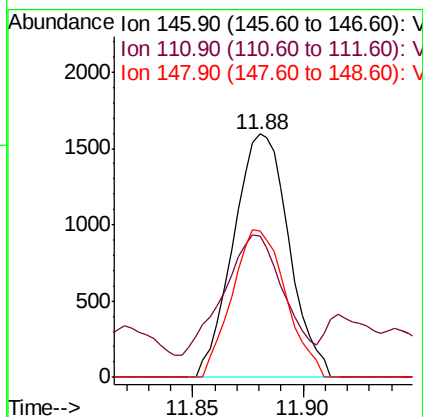
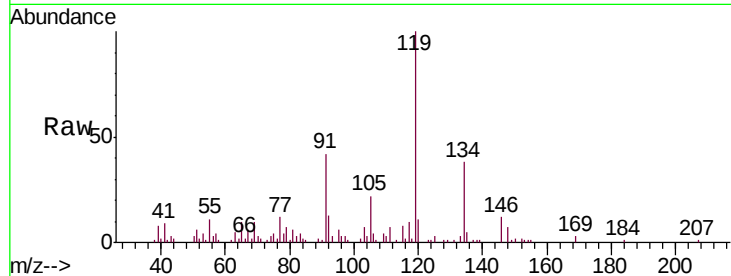




#91
 1,2-Dichlorobenzene
 Concen: 0.660 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028919.D
 Acq: 22 Dec 2018 17:01

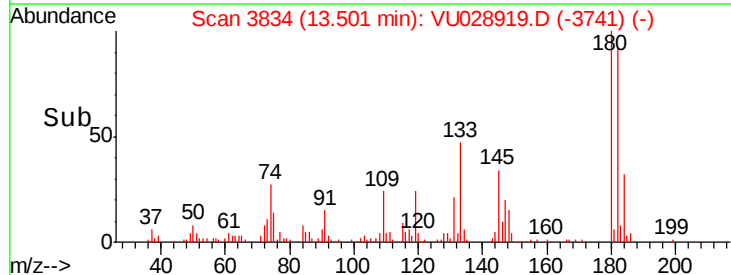
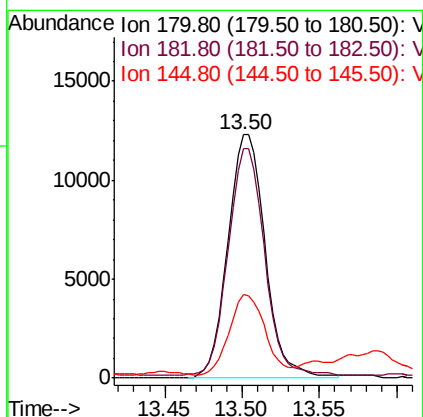
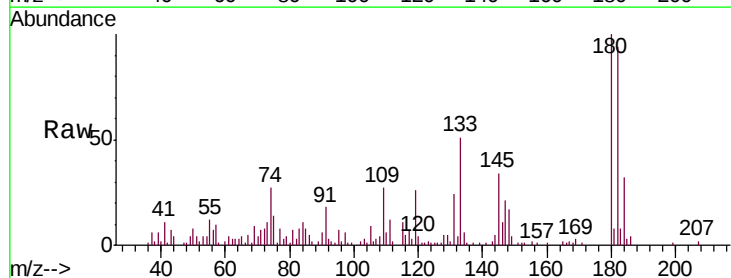
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013-3036-01ME

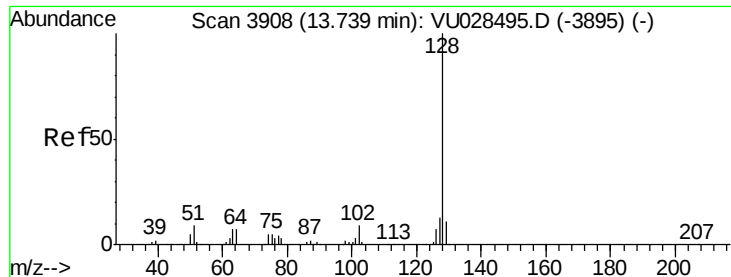
Tgt Ion:146 Resp: 2790
 Ion Ratio Lower Upper
 146 100
 111 51.8 21.1 63.4
 148 58.7 31.4 94.2



#93
 1,2,4-Trichlorobenzene
 Concen: 7.808 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028919.D
 Acq: 22 Dec 2018 17:01

Tgt Ion:180 Resp: 20592
 Ion Ratio Lower Upper
 180 100
 182 90.7 47.9 143.8
 145 33.9 15.0 45.1





#95

Naphthalene

Concen: 12.696 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028919.D

Acq: 22 Dec 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013-3036-01ME

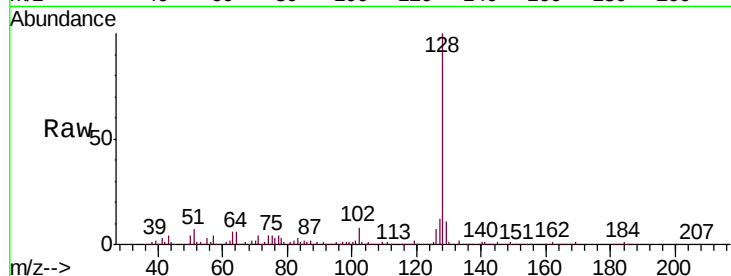
Tgt Ion:128 Resp: 128870

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

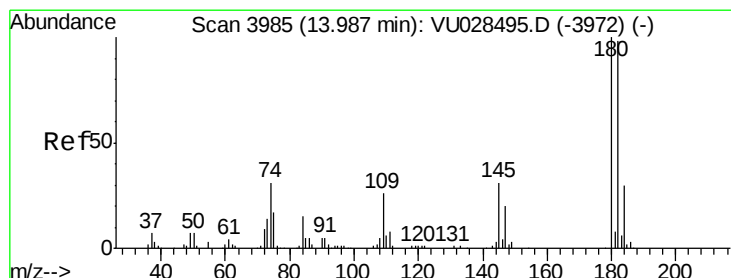
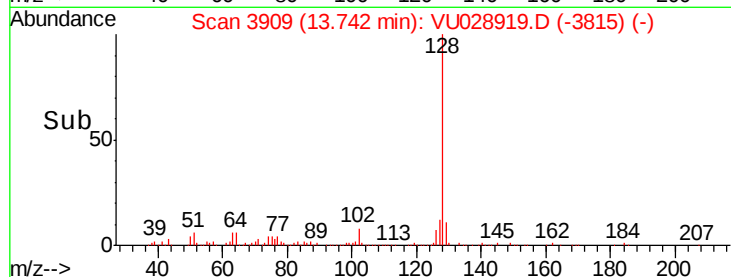
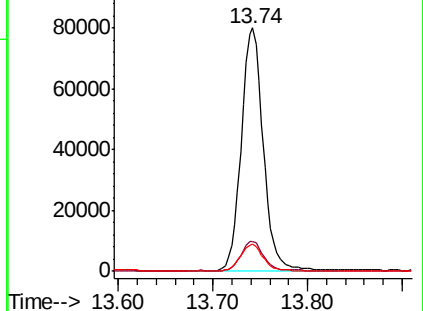
129 11.4 8.6 13.0



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: 1.593 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028919.D

Acq: 22 Dec 2018 17:01

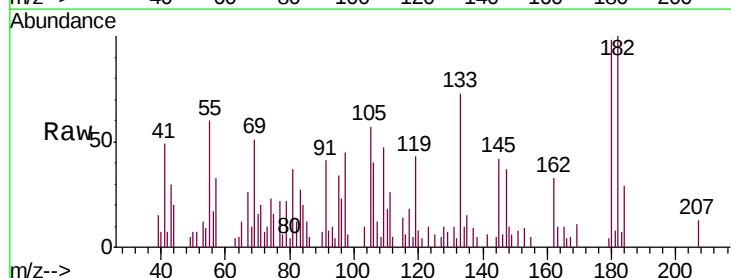
Tgt Ion:180 Resp: 4198

Ion Ratio Lower Upper

180 100

182 110.6 48.2 144.6

145 0.0 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

