

Data File : VU028926.D
Acq On : 22 Dec 2018 19:50
Operator : MD/SY
Sample : J6426-11MEDL 100X
Misc : 6.73g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01MEDL

Quant Time: Jan 05 06:23:34 2019
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	189341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	311833	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	274922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	119212	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	108450	37.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.06%	
35) Dibromofluoromethane	4.88	113	95262	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	7.56	98	383728	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	10.30	95	128104	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	

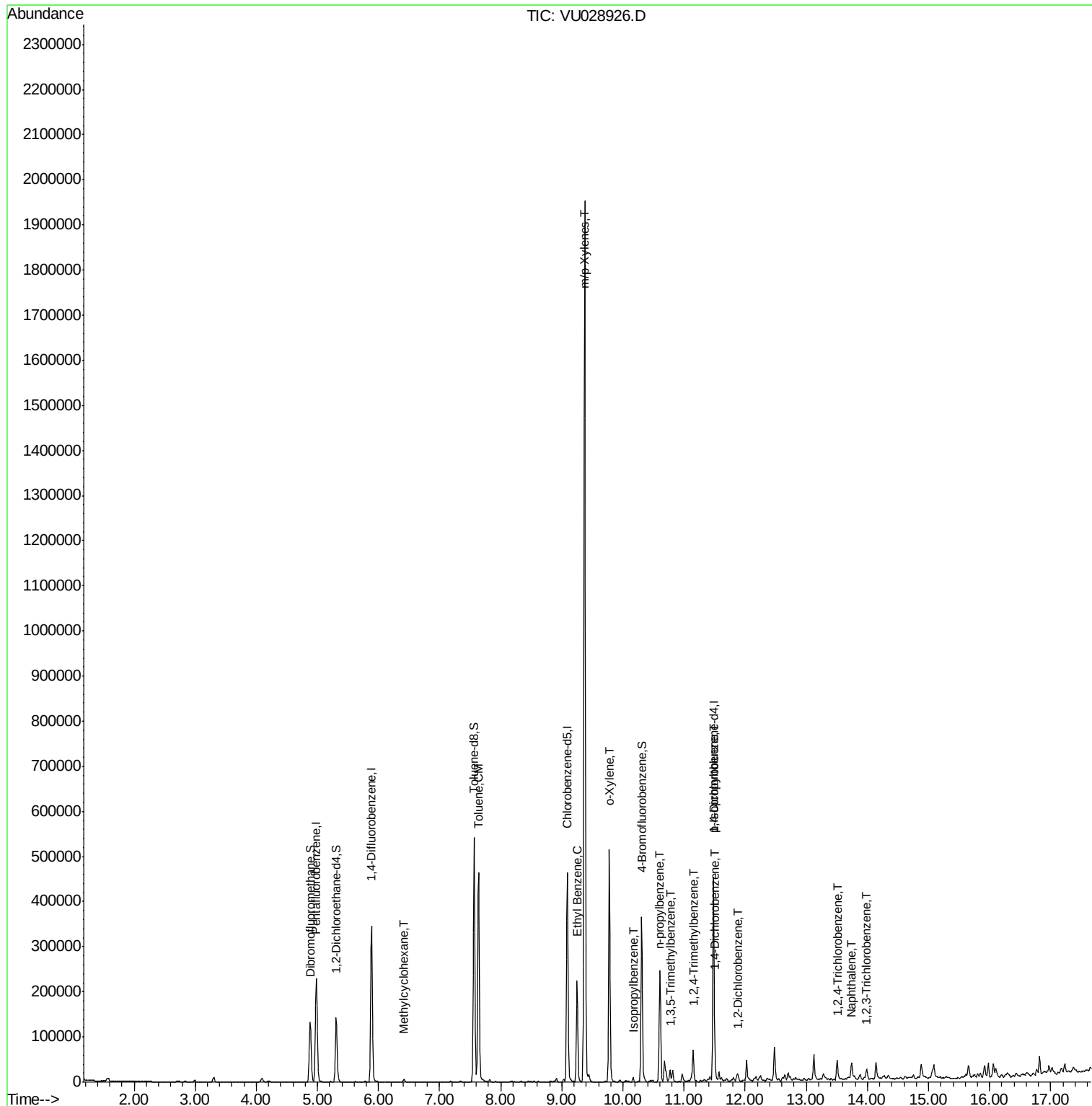
Target Compounds				Qvalue		
39) Methylcyclohexane	6.41	83	3028	0.727	ug/l	92
52) Toluene	7.64	92	207623	35.103	ug/l	97
67) Ethyl Benzene	9.25	91	166467	15.457	ug/l	99
68) m/p-Xylenes	9.37	106	563062	143.685	ug/l	96
69) o-Xylene	9.78	106	144229	37.873	ug/l	94
73) Isopropylbenzene	10.17	105	7629	0.834	ug/l	97
78) n-propylbenzene	10.59	91	13029	1.146	ug/l	94
80) 1,3,5-Trimethylbenzene	10.77	105	14045	1.855	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	39376	5.046	ug/l	99
86) p-Isopropyltoluene	11.48	119	11416	1.433	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	7408	1.772	ug/l	82
91) 1,2-Dichlorobenzene	11.88	146	2390	0.591	ug/l	89
93) 1,2,4-Trichlorobenzene	13.50	180	13398	5.587	ug/l	96
95) Naphthalene	13.74	128	29691	3.062	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	7946	3.013	ug/l	95

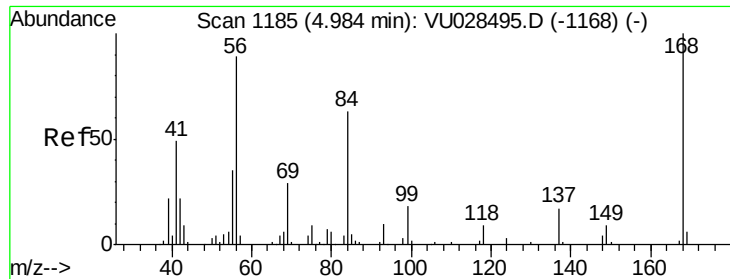
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028926.D

Acq: 22 Dec 2018 19:50

Instrument :

MSVOA_U

ClientSampleId :

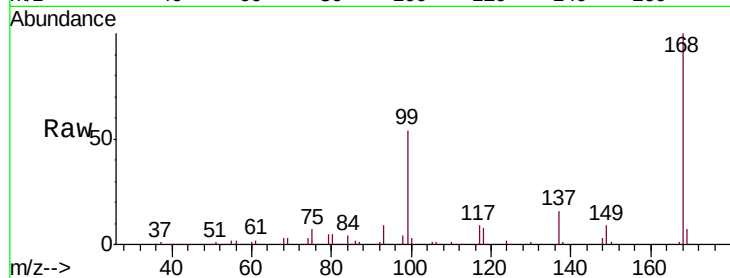
P001-SS013A-3036-01MEDL

Tgt Ion:168 Resp: 189341

Ion Ratio Lower Upper

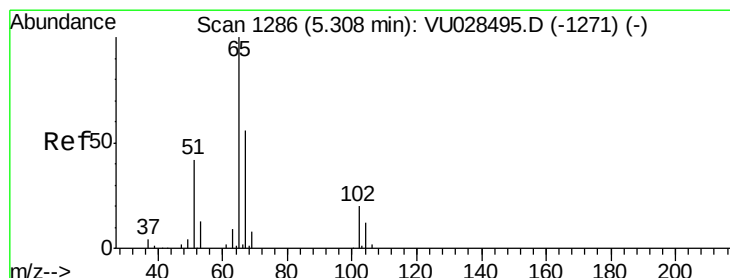
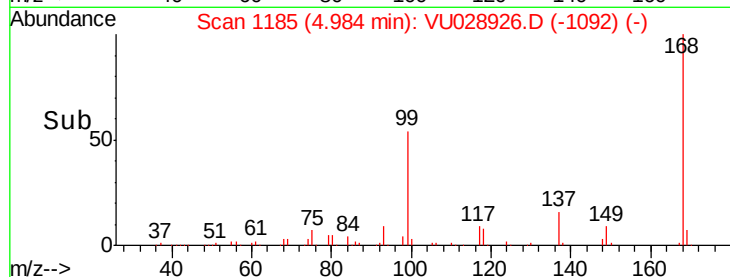
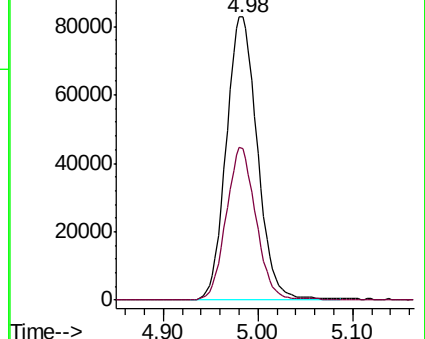
168 100

99 53.7 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: 37.533 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028926.D

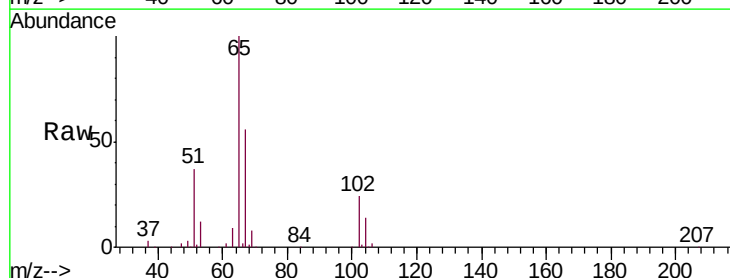
Acq: 22 Dec 2018 19:50

Tgt Ion: 65 Resp: 108450

Ion Ratio Lower Upper

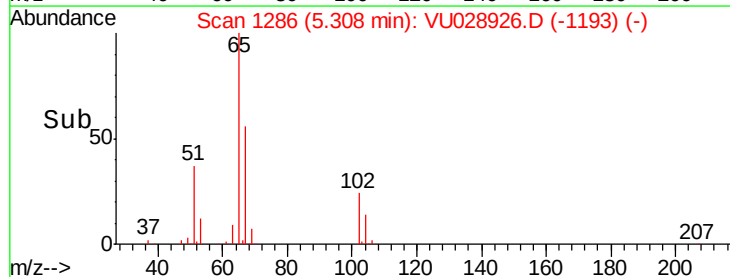
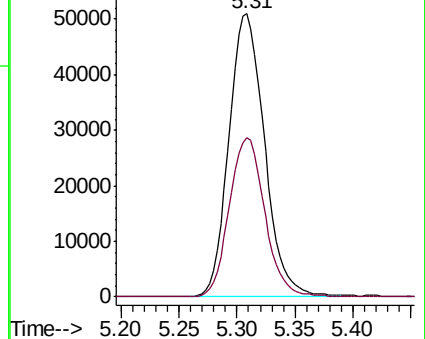
65 100

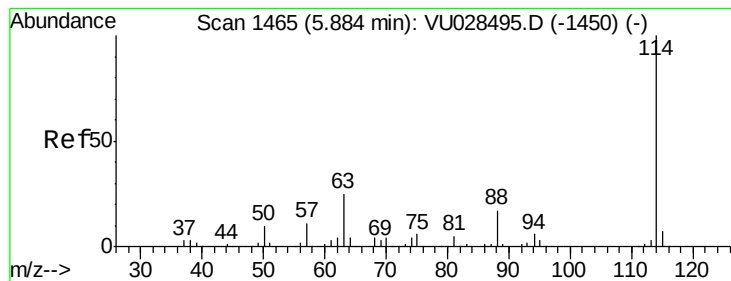
67 56.3 0.0 110.6



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: VU028926.D

Acq: 22 Dec 2018 19:50

Instrument :

MSVOA_U

ClientSampleId :

P001-SS013A-3036-01MEDL

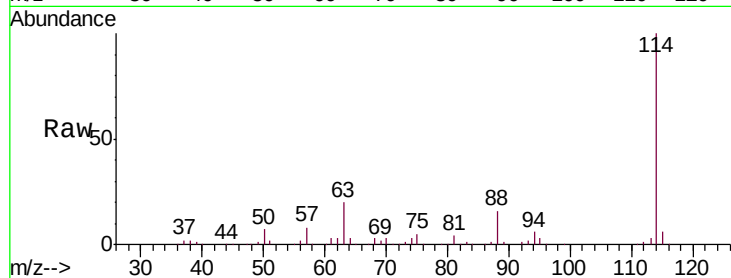
Tgt Ion:114 Resp: 311833

Ion Ratio Lower Upper

114 100

63 20.0 0.0 49.2

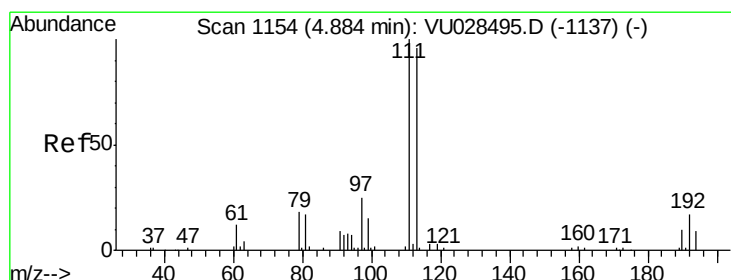
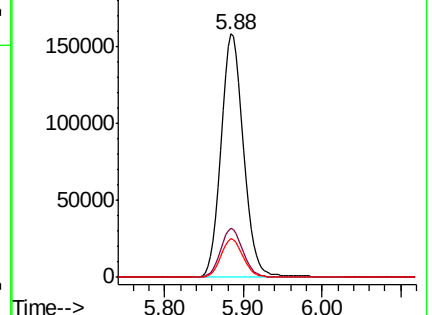
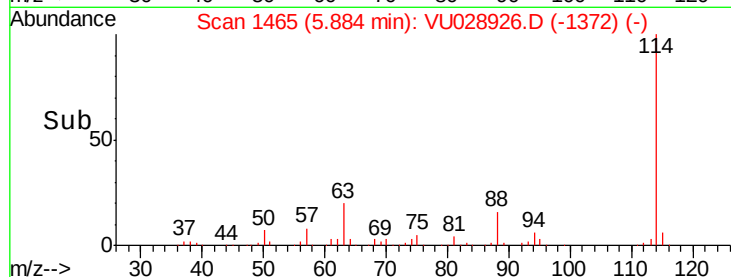
88 15.8 0.0 33.4



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: 48.544 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028926.D

Acq: 22 Dec 2018 19:50

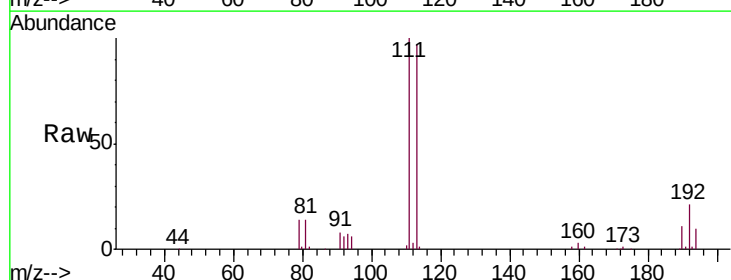
Tgt Ion:113 Resp: 95262

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.0

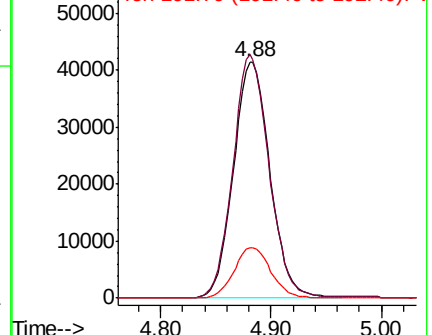
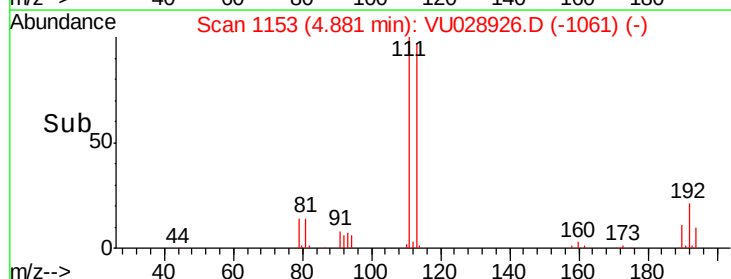
192 21.4 14.8 22.2

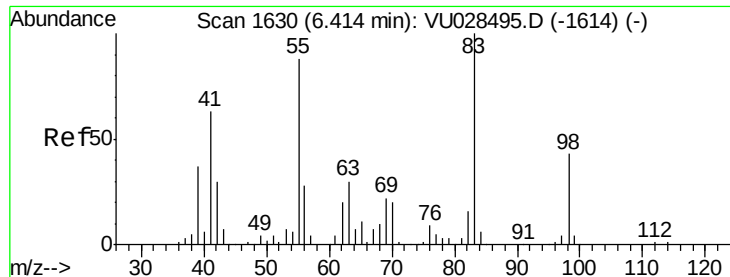


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

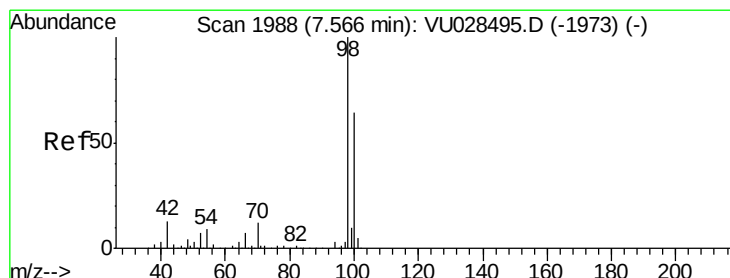
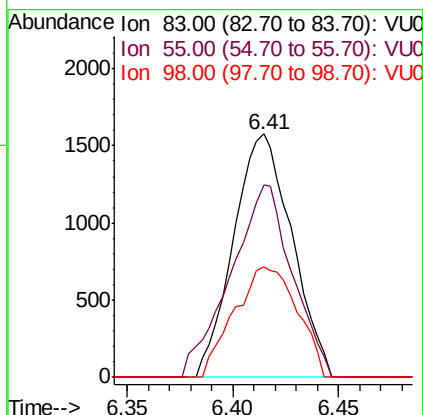
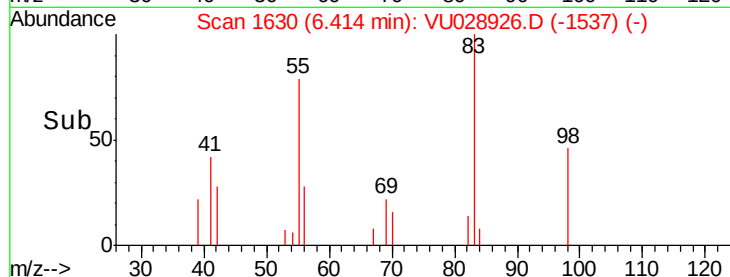
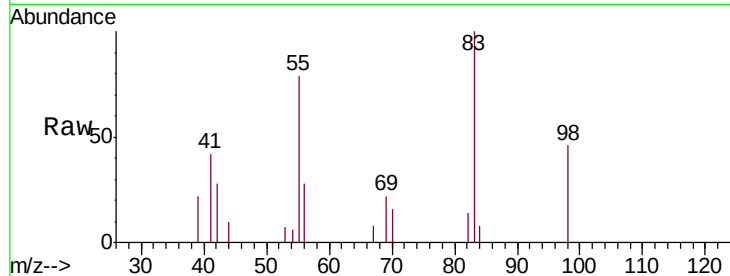




#39
Methylcyclohexane
Concen: 0.727 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028926.D
Acq: 22 Dec 2018 19:50

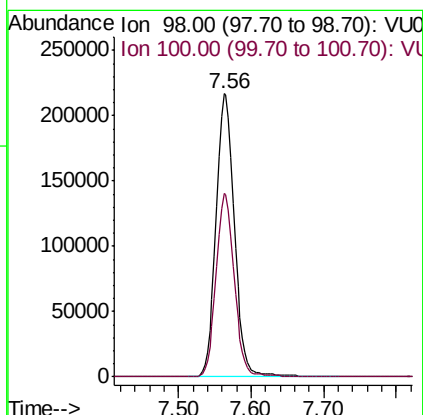
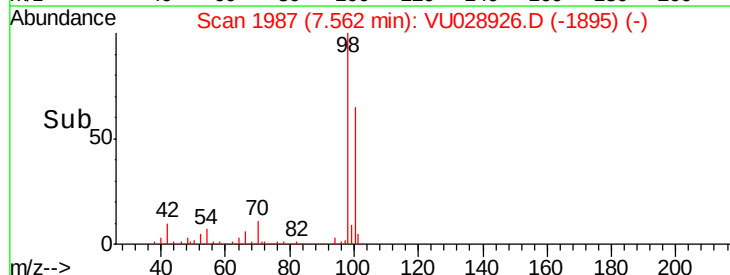
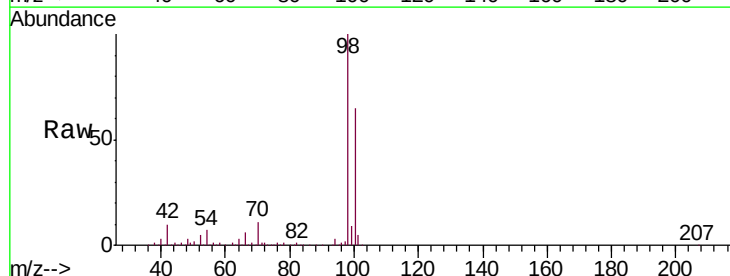
Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01MEDL

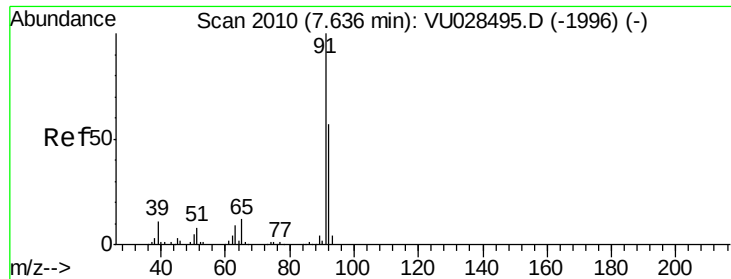
Tgt Ion: 83 Resp: 3028
Ion Ratio Lower Upper
83 100
55 78.9 70.2 105.2
98 45.5 34.2 51.4



#50
Toluene-d8
Concen: 49.431 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028926.D
Acq: 22 Dec 2018 19:50

Tgt Ion: 98 Resp: 383728
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6





#52

Toluene

Concen: 35.103 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028926.D

Acq: 22 Dec 2018 19:50

Instrument :

MSVOA_U

ClientSampleId :

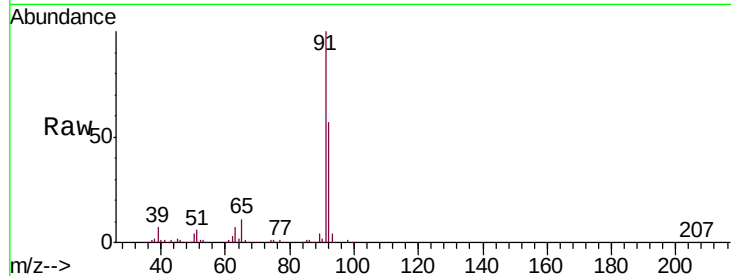
P001-SS013A-3036-01MEDL

Tgt Ion: 92 Resp: 207623

Ion Ratio Lower Upper

92 100

91 171.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

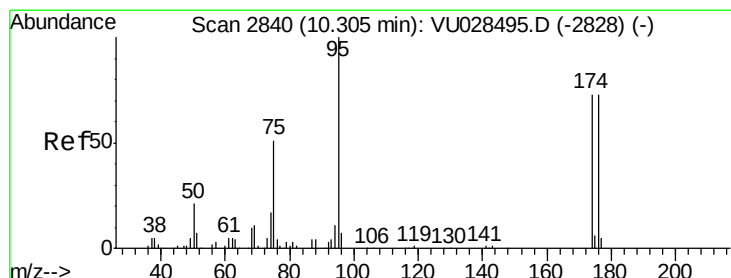
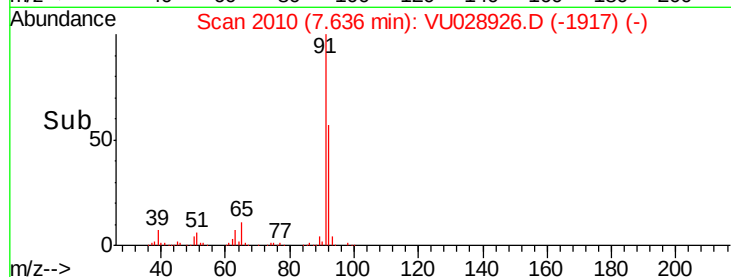
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.151 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028926.D

Acq: 22 Dec 2018 19:50

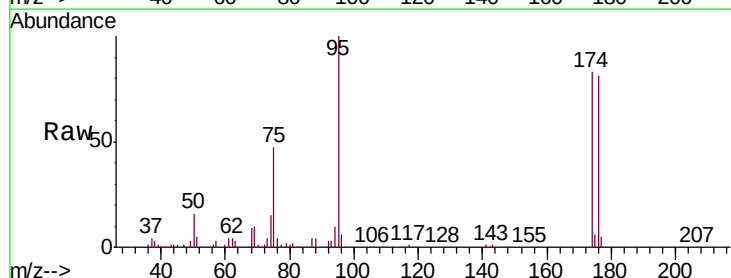
Tgt Ion: 95 Resp: 128104

Ion Ratio Lower Upper

95 100

174 83.7 0.0 150.4

176 82.0 0.0 145.2



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

100000

80000

60000

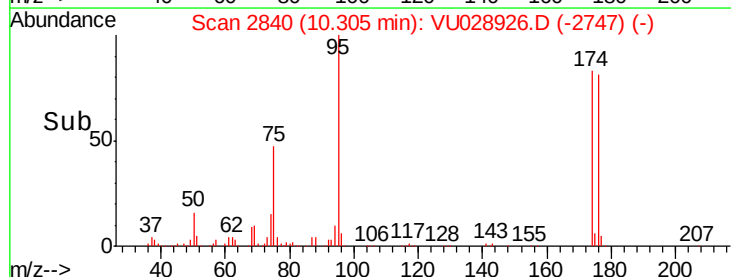
40000

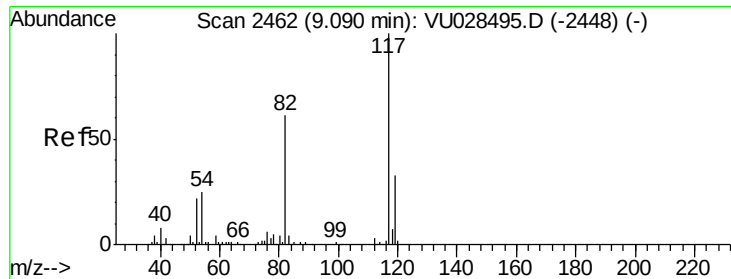
20000

0

10.20 10.30 10.40

Time-->

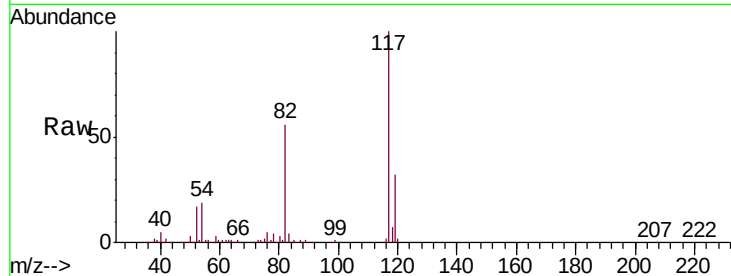




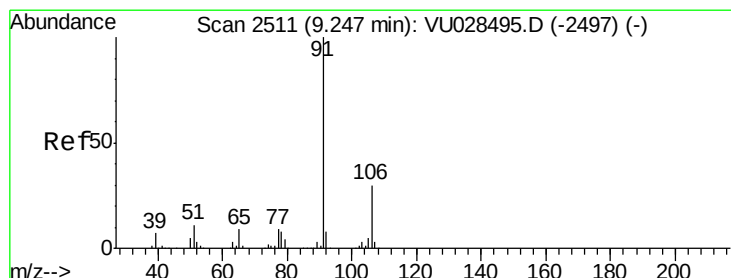
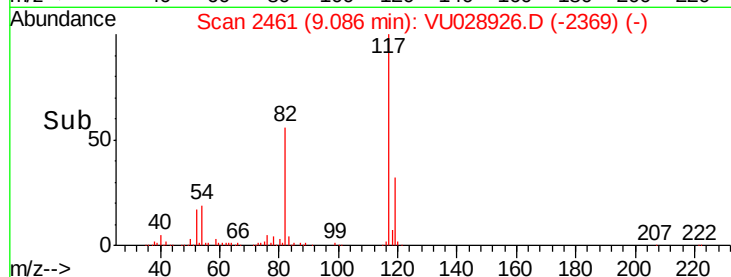
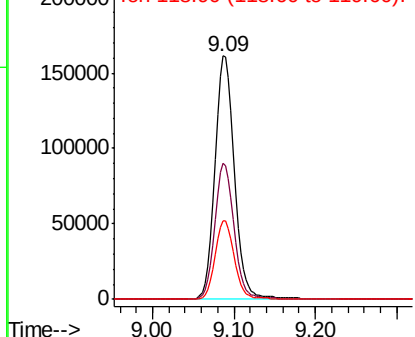
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028926.D
Acq: 22 Dec 2018 19:50

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01MEDL

Tgt Ion:117 Resp: 274922
Ion Ratio Lower Upper
117 100
82 56.1 48.9 73.3
119 32.3 26.2 39.4

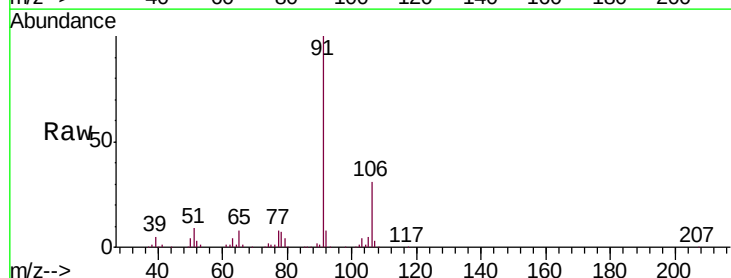


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

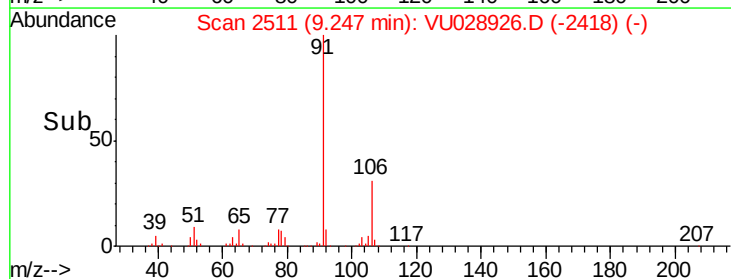
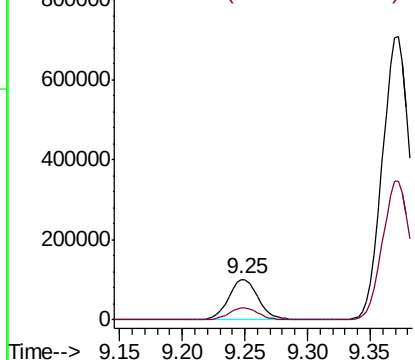


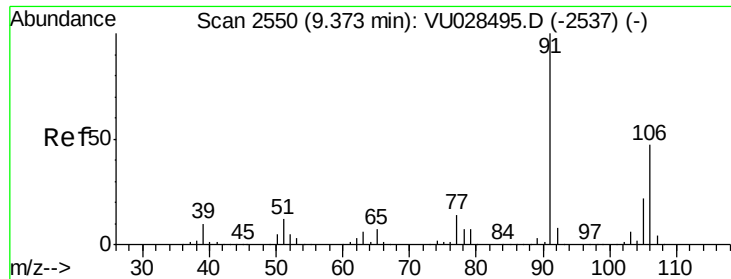
#67
Ethyl Benzene
Concen: 15.457 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028926.D
Acq: 22 Dec 2018 19:50

Tgt Ion: 91 Resp: 166467
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1



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

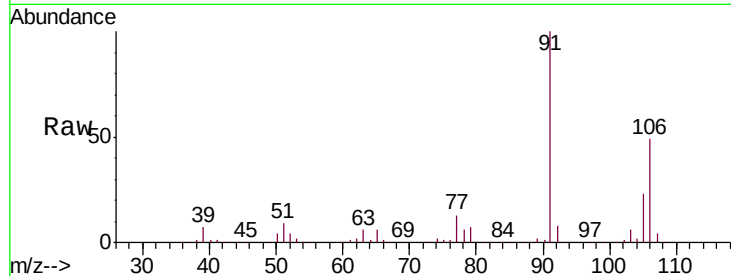




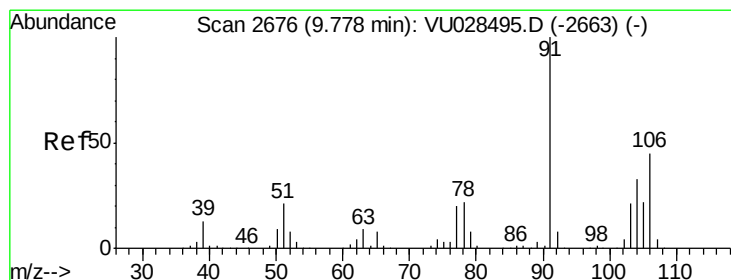
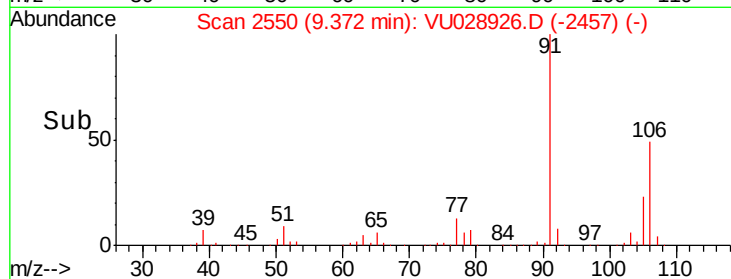
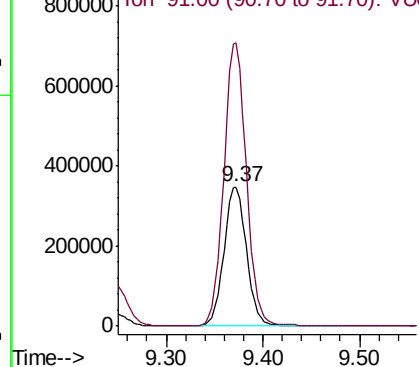
#68
m/p-Xylenes
Concen: 143.685 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028926.D
Acq: 22 Dec 2018 19:50

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01MEDL

Tgt Ion:106 Resp: 563062
Ion Ratio Lower Upper
106 100
91 203.7 167.4 251.0

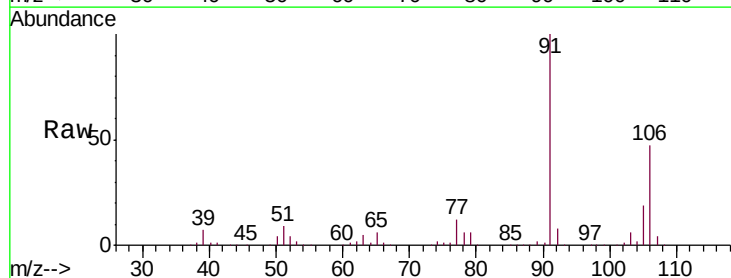


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

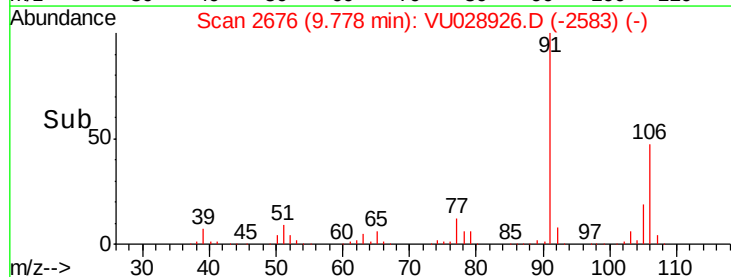
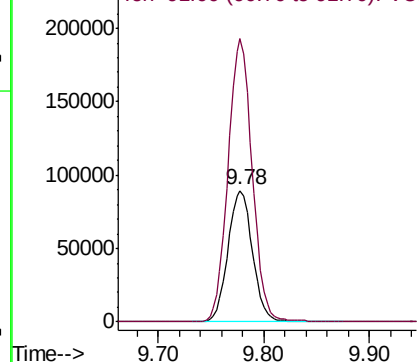


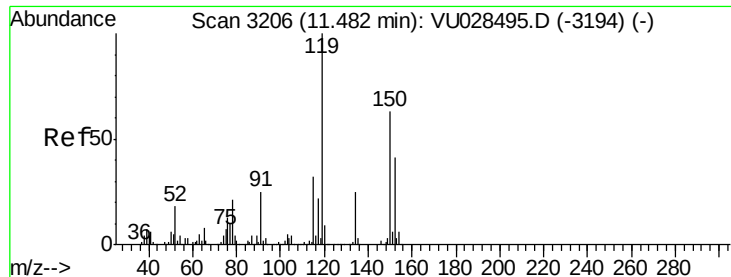
#69
o-Xylene
Concen: 37.873 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028926.D
Acq: 22 Dec 2018 19:50

Tgt Ion:106 Resp: 144229
Ion Ratio Lower Upper
106 100
91 212.2 111.3 334.0



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



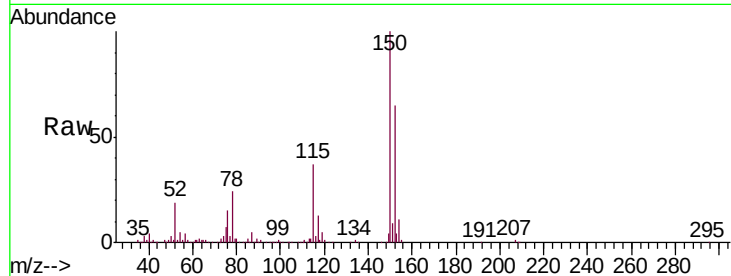


#72

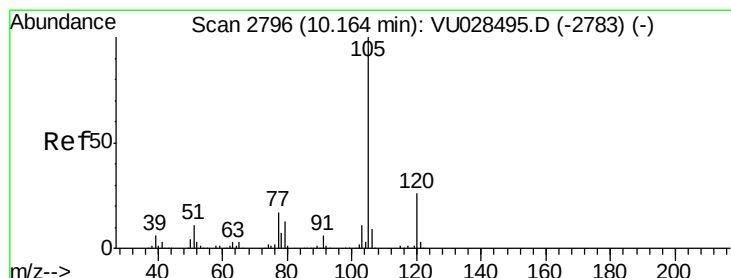
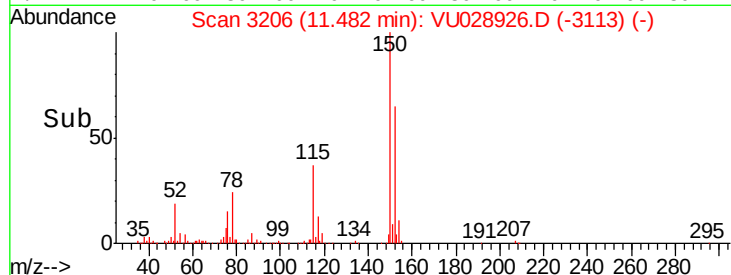
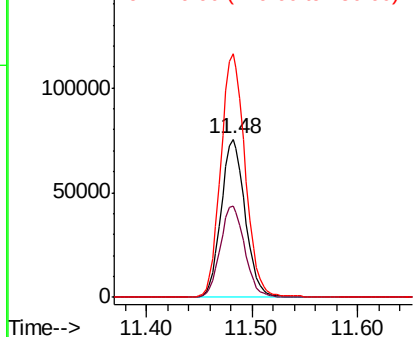
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028926.D
Acq: 22 Dec 2018 19:50

Instrument :
MSVOA_U
ClientSampleId :
P001-SS013A-3036-01MEDL

Tgt Ion:152 Resp: 119212
Ion Ratio Lower Upper
152 100
115 58.5 42.7 128.1
150 156.4 0.0 346.0



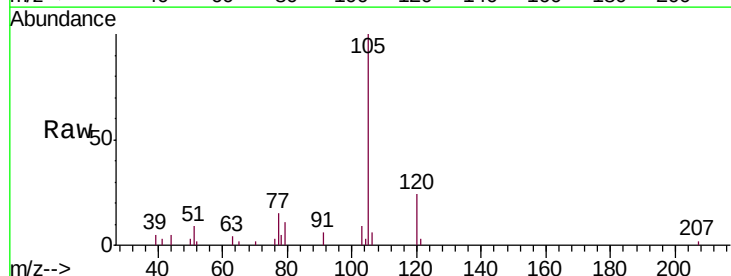
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



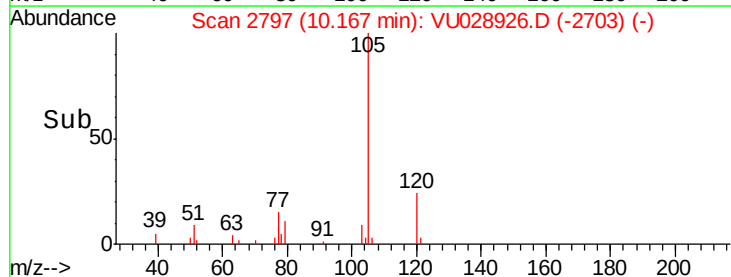
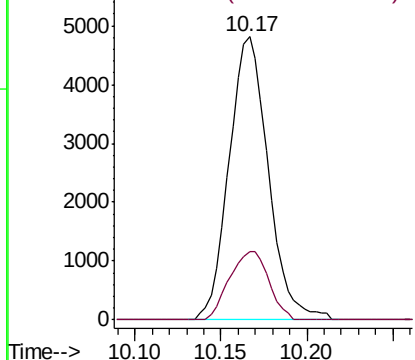
#73

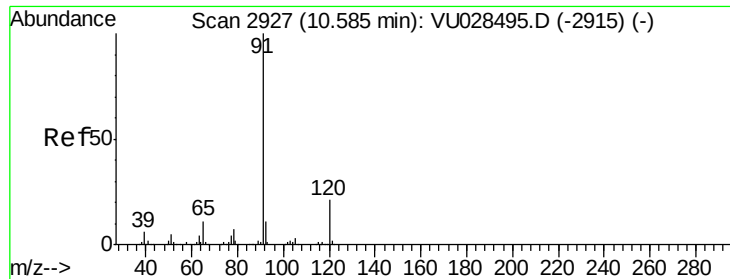
Isopropylbenzene
Concen: 0.834 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028926.D
Acq: 22 Dec 2018 19:50

Tgt Ion:105 Resp: 7629
Ion Ratio Lower Upper
105 100
120 24.2 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: 1.146 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028926.D

Acq: 22 Dec 2018 19:50

Instrument :

MSVOA_U

ClientSampleId :

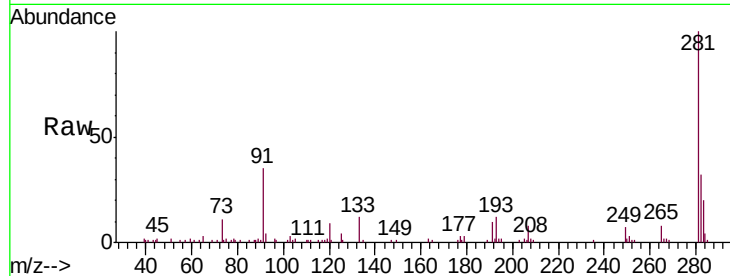
P001-SS013A-3036-01MEDL

Tgt Ion: 91 Resp: 13029

Ion Ratio Lower Upper

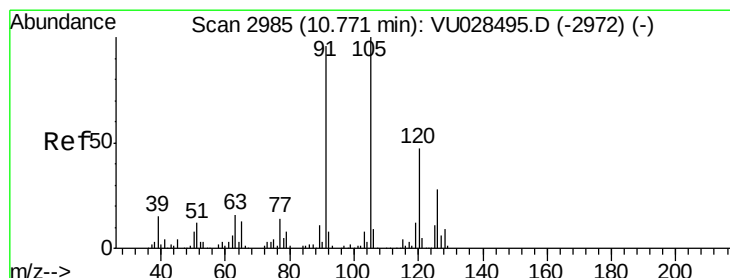
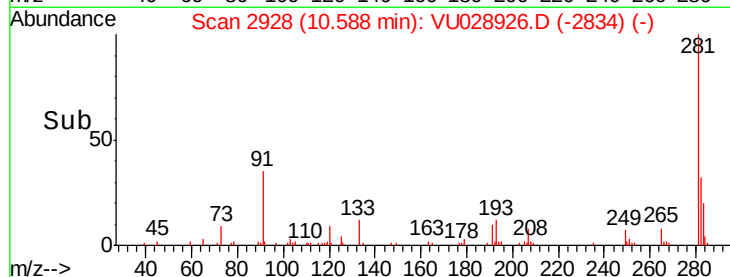
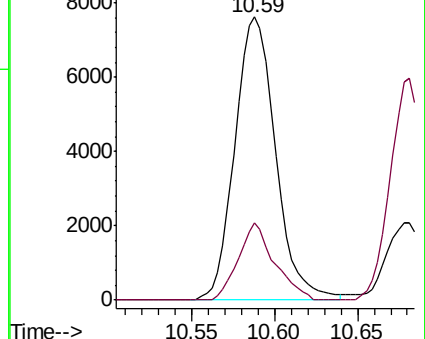
91 100

120 24.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.855 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028926.D

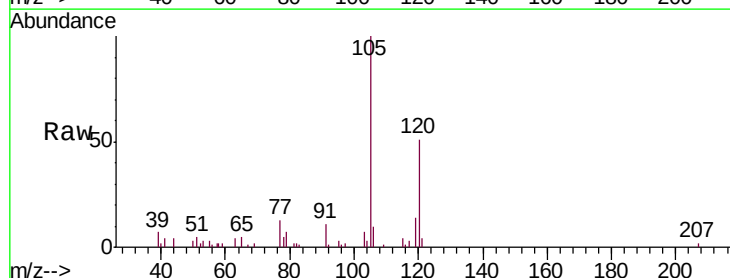
Acq: 22 Dec 2018 19:50

Tgt Ion: 105 Resp: 14045

Ion Ratio Lower Upper

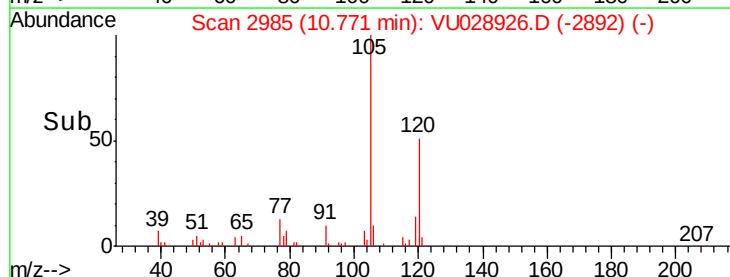
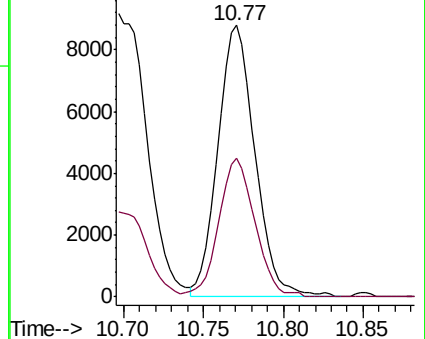
105 100

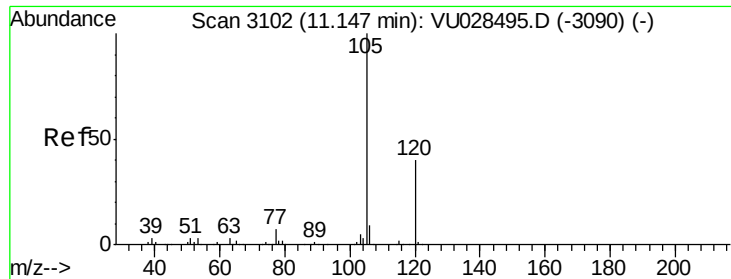
120 49.7 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

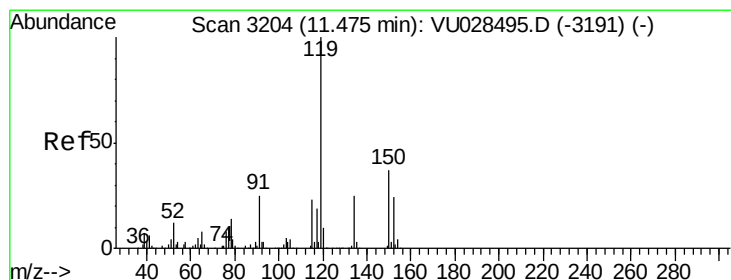
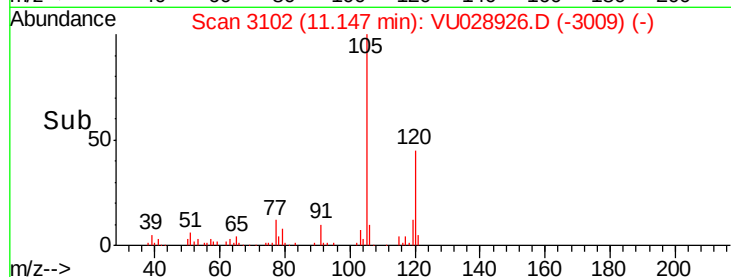
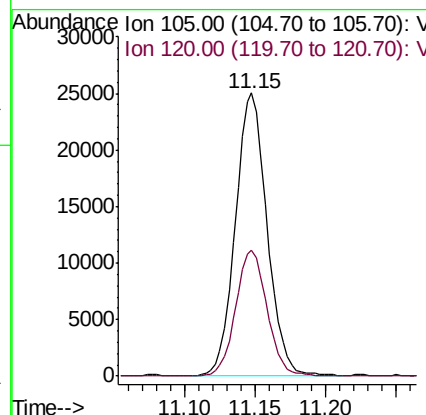
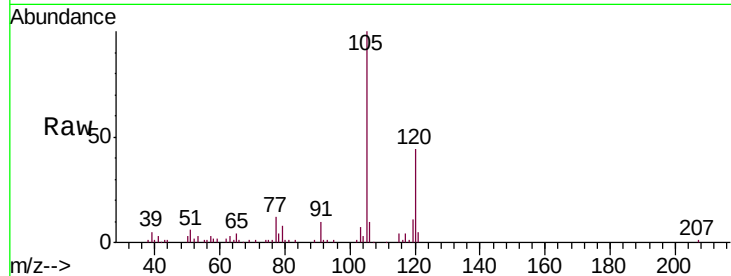




#84
 1,2,4-Trimethylbenzene
 Concen: 5.046 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028926.D
 Acq: 22 Dec 2018 19:50

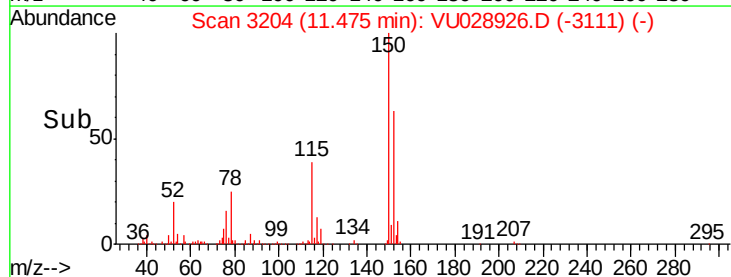
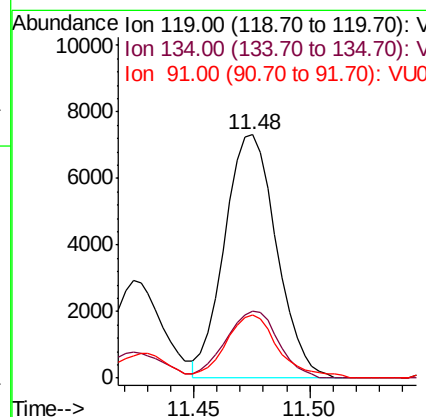
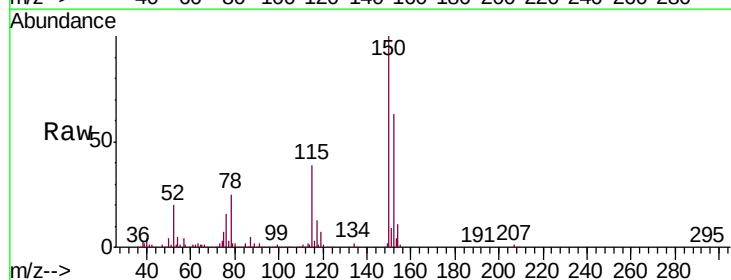
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-3036-01MEDL

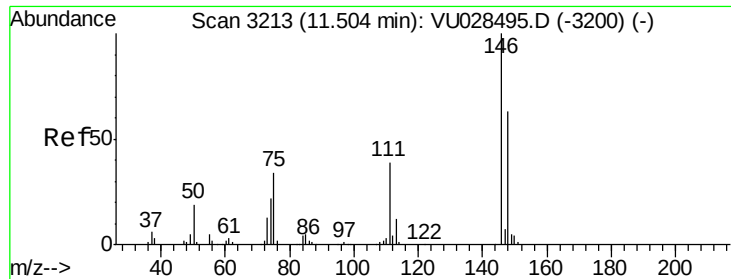
Tgt Ion:105 Resp: 39376
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.8 65.4



#86
 p-Isopropyltoluene
 Concen: 1.433 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028926.D
 Acq: 22 Dec 2018 19:50

Tgt Ion:119 Resp: 11416
 Ion Ratio Lower Upper
 119 100
 134 27.7 12.7 38.1
 91 26.1 12.6 37.6

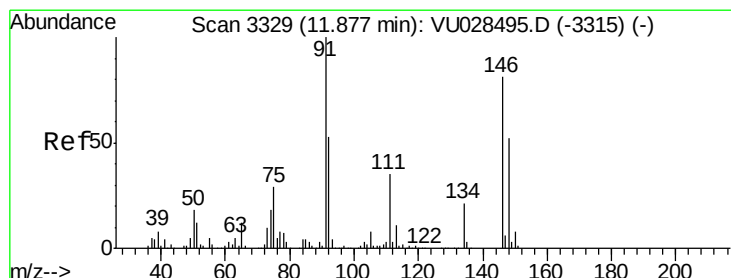
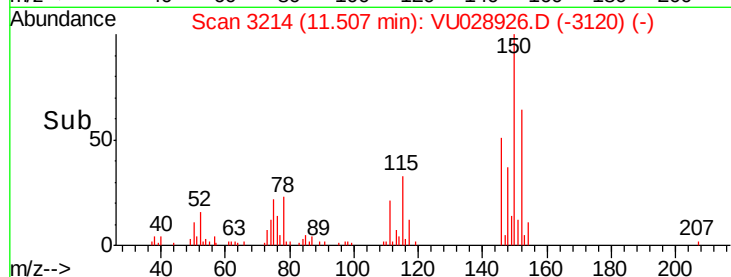
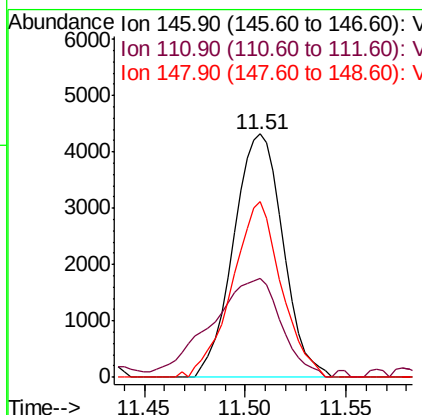
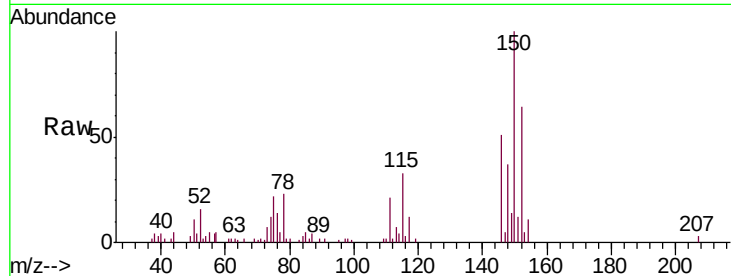




#88
 1,4-Dichlorobenzene
 Concen: 1.772 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028926.D
 Acq: 22 Dec 2018 19:50

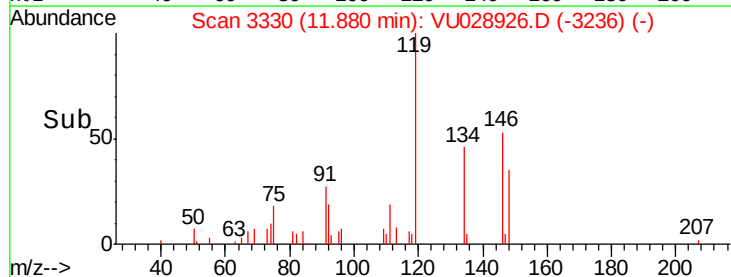
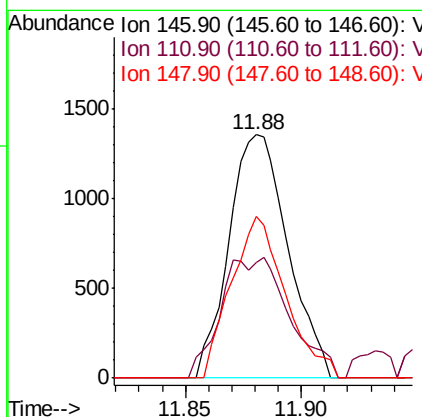
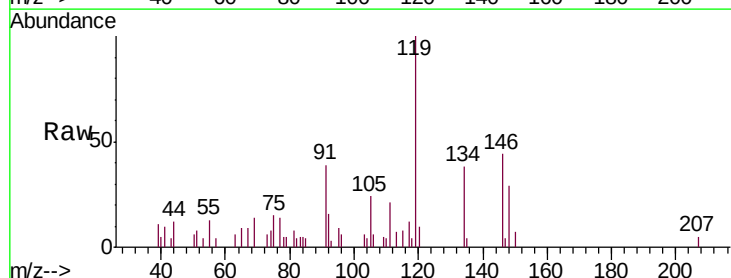
Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-3036-01MEDL

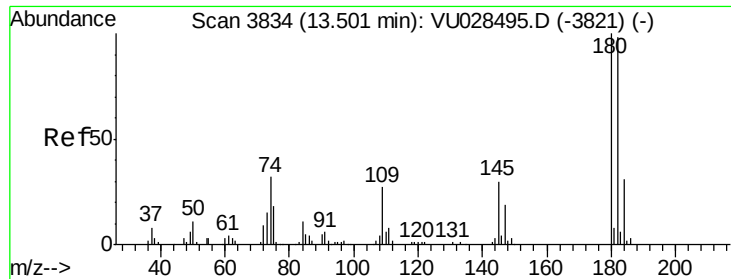
Tgt Ion:146 Resp: 7408
 Ion Ratio Lower Upper
 146 100
 111 58.1 20.2 60.5
 148 71.9 31.6 95.0



#91
 1,2-Dichlorobenzene
 Concen: 0.591 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028926.D
 Acq: 22 Dec 2018 19:50

Tgt Ion:146 Resp: 2390
 Ion Ratio Lower Upper
 146 100
 111 26.1 21.1 63.4
 148 61.4 31.4 94.2

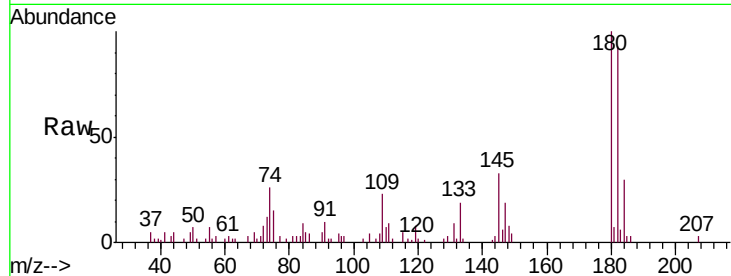




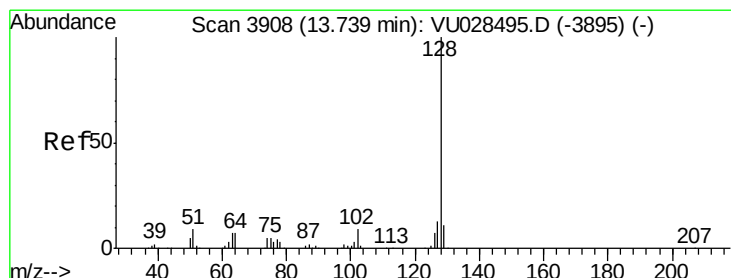
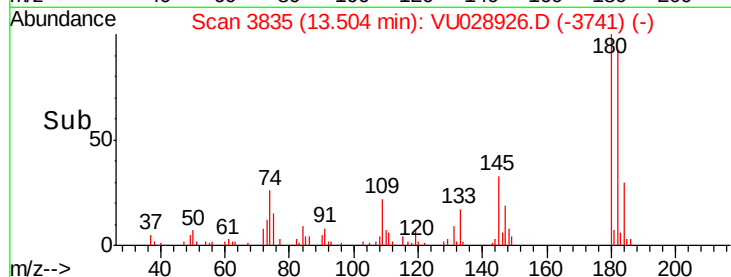
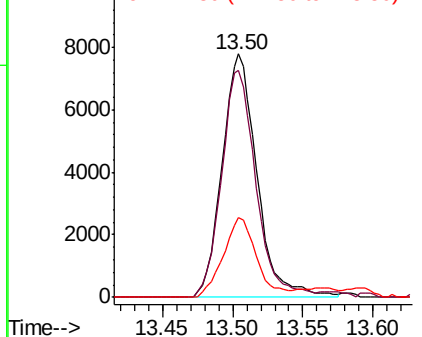
#93
 1,2,4-Trichlorobenzene
 Concen: 5.587 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028926.D
 Acq: 22 Dec 2018 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-3036-01MEDL

Tgt Ion:180 Resp: 13398
 Ion Ratio Lower Upper
 180 100
 182 91.9 47.9 143.8
 145 31.5 15.0 45.1

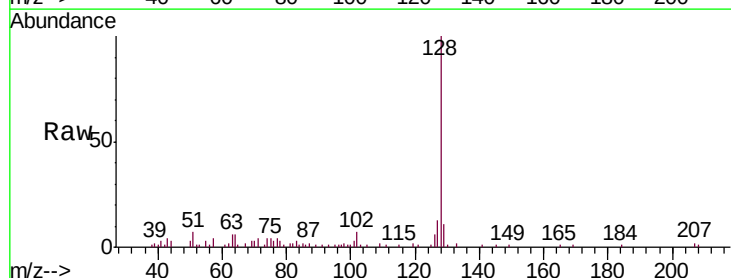


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

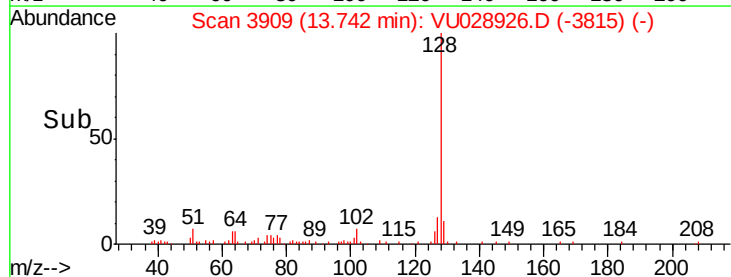
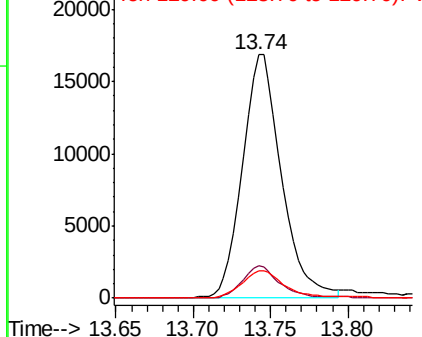


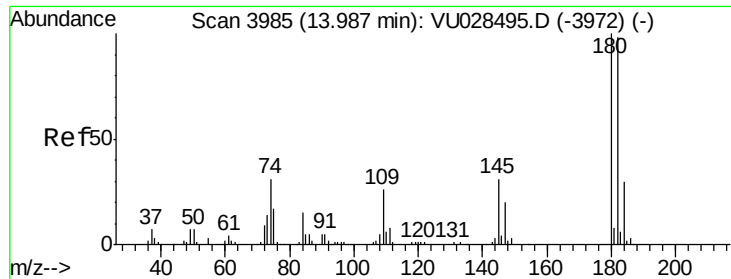
#95
 Naphthalene
 Concen: 3.062 ug/l
 RT: 13.74 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: VU028926.D
 Acq: 22 Dec 2018 19:50

Tgt Ion:128 Resp: 29691
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.4 15.6
 129 11.9 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: 3.013 ug/l
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU028926.D
 Acq: 22 Dec 2018 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SS013A-3036-01MEDL

Tgt Ion	Resp	Lower	Upper
180	7946		
182	95.6	48.2	144.6
145	41.4	15.8	47.3

