

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006804.D
 Acq On : 24 Dec 2018 19:17
 Operator : JC/MD
 Sample : J6426-17MEDL 20X
 Misc : 1.60µ/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-SS013C-3642-01MEDL

Quant Time: Dec 25 04:18:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	712604	50.00	µg/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1052872	50.00	µg/l	0.00
63) Chlorobenzene-d5	10.11	117	982318	50.00	µg/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	496612	50.00	µg/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	355588	46.30	µg/l	0.00
Spiked Amount			Recovery	=	92.60%	
35) Dibromofluoromethane	5.50	113	311414	46.77	µg/l	0.00
Spiked Amount			Recovery	=	93.54%	
50) Toluene-d8	8.71	98	1264494	50.38	µg/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.13	95	461556	50.21	µg/l	0.00
Spiked Amount			Recovery	=	100.42%	

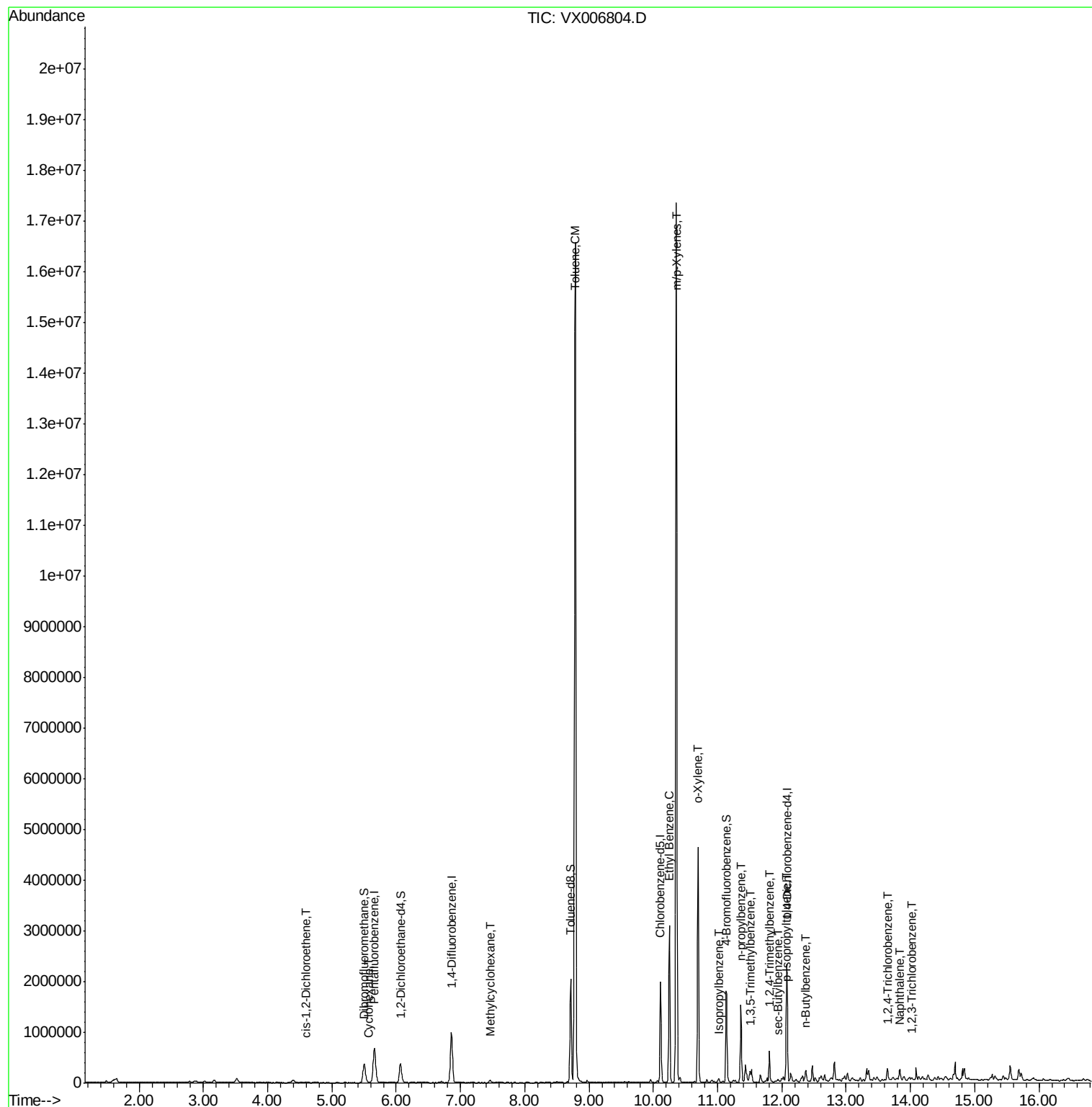
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
27) cis-1,2-Dichloroethene	4.60	96	2522	0.324	µg/l	67
31) Cyclohexane	5.58	56	7877	0.741	µg/l #	79
39) Methylcyclohexane	7.46	83	22103	1.925	µg/l	93
52) Toluene	8.79	92	6343660	370.446	µg/l	97
67) Ethyl Benzene	10.25	91	1762074	51.888	µg/l	98
68) m/p-Xylenes	10.36	106	4167221	310.985	µg/l	99
69) o-Xylene	10.70	106	1075185	81.255	µg/l	98
73) Isopropylbenzene	11.02	105	39994	1.177	µg/l	99
78) n-propylbenzene	11.36	91	68520	1.831	µg/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	88056	3.147	µg/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	255900	8.694	µg/l	98
85) sec-Butylbenzene	11.94	105	10428	0.304	µg/l #	52
86) p-Isopropyltoluene	12.06	119	42375	1.404	µg/l	97
89) n-Butylbenzene	12.38	91	28474	1.108	µg/l #	27
93) 1,2,4-Trichlorobenzene	13.65	180	44964	3.936	µg/l	94
95) Naphthalene	13.83	128	138199	3.791	µg/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	9863	0.836	µg/l #	82

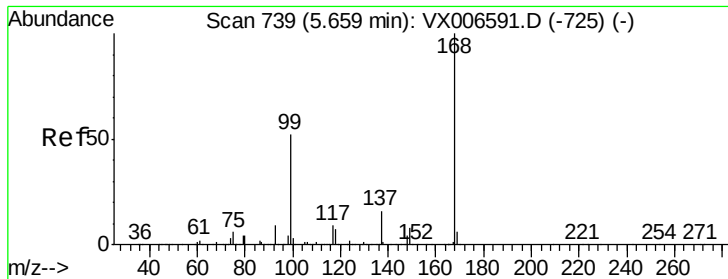
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006804.D

Acq: 24 Dec 2018 19:17

Instrument :

MSVOA_X

ClientSampleId :

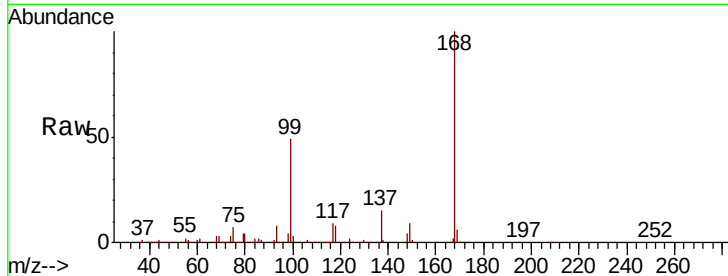
P001-SS013C-3642-01MEDL

Tot Ion:168 Resp: 712604

Ion Ratio Lower Upper

168 100

99 48.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

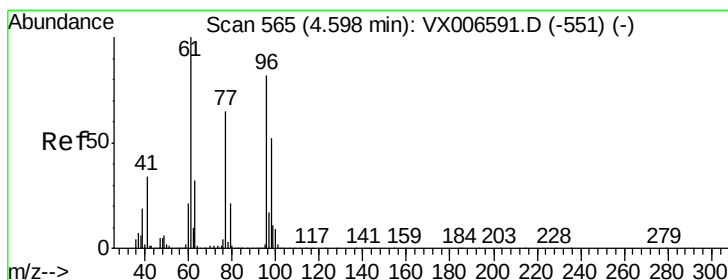
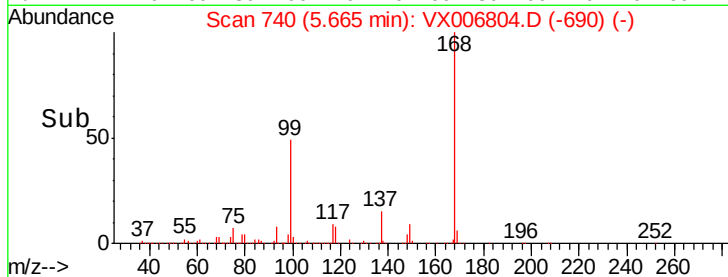
150000

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.324 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX006804.D

Acq: 24 Dec 2018 19:17

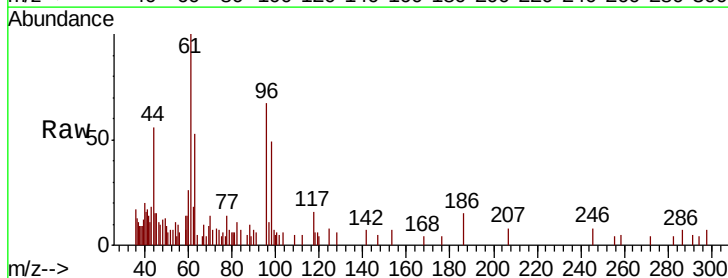
Tgt Ion: 96 Resp: 2522

Ion Ratio Lower Upper

96 100

61 159.9 0.0 258.6

98 28.7 0.0 132.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

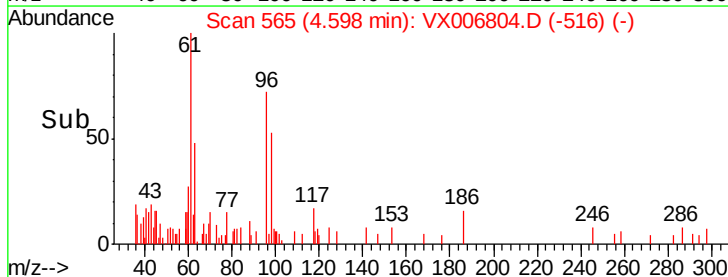
1500

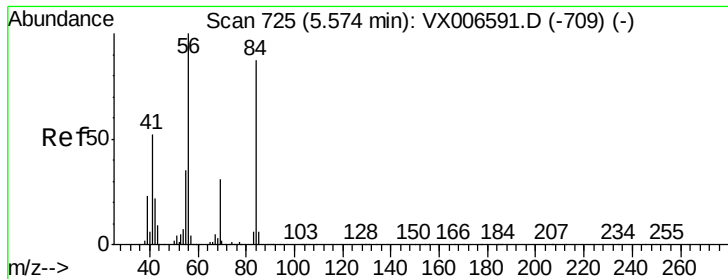
1000

500

0

Time-->





#31

Cyclohexane

Concen: 0.741 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006804.D

Acq: 24 Dec 2018 19:17

Instrument :

MSVOA_X

ClientSampleId :

P001-SS013C-3642-01MEDL

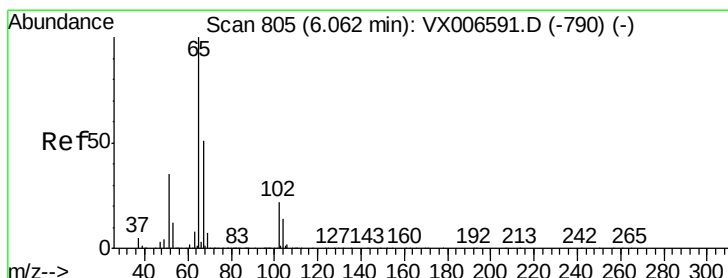
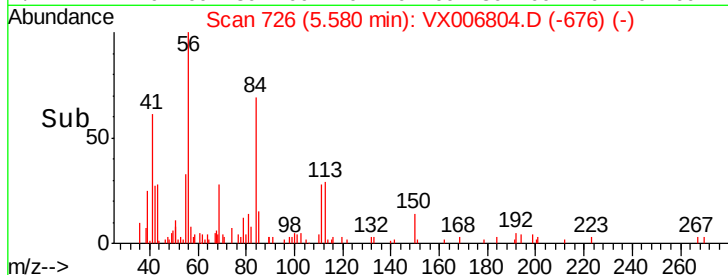
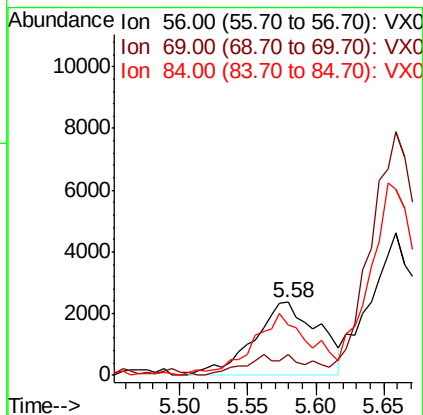
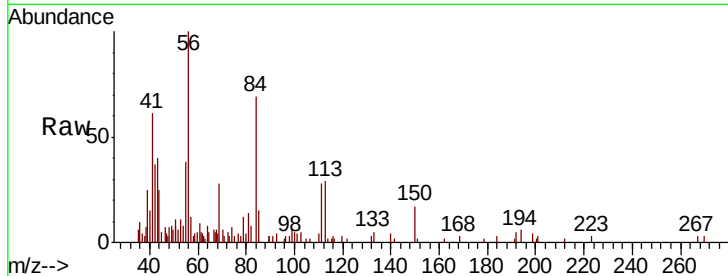
Tot Ion: 56 Resp: 7877

Ion Ratio Lower Upper

56 100

69 23.8 24.4 36.6#

84 65.1 70.0 105.0#



#33

1,2-Dichloroethane-d4

Concen: 46.300 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006804.D

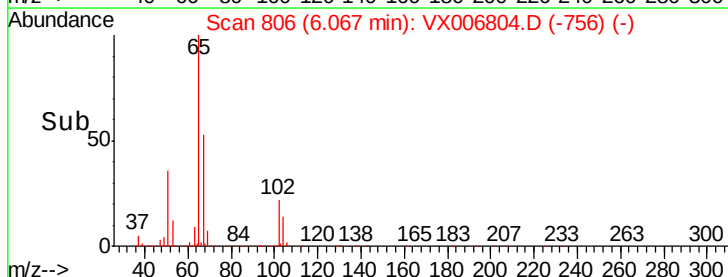
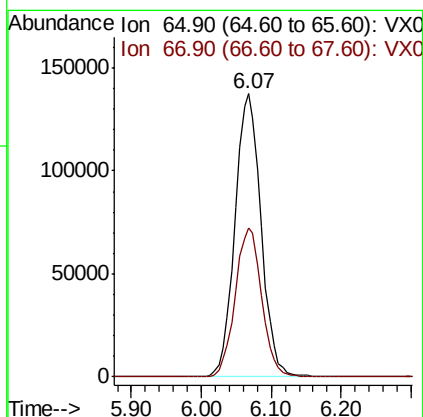
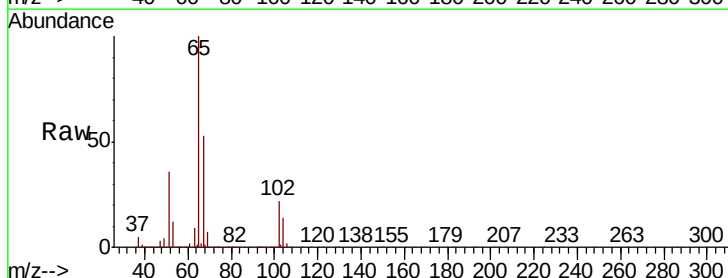
Acq: 24 Dec 2018 19:17

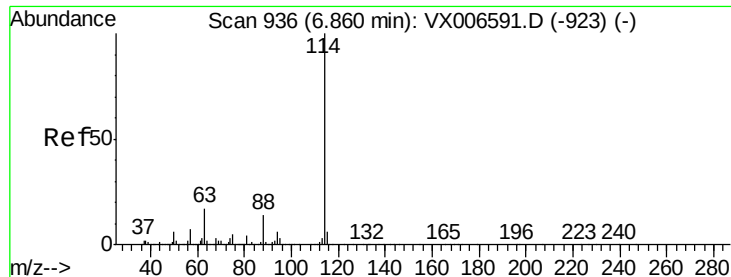
Tgt Ion: 65 Resp: 355588

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006804.D

Acq: 24 Dec 2018 19:17

Instrument :

MSVOA_X

ClientSampleId :

P001-SS013C-3642-01MEDL

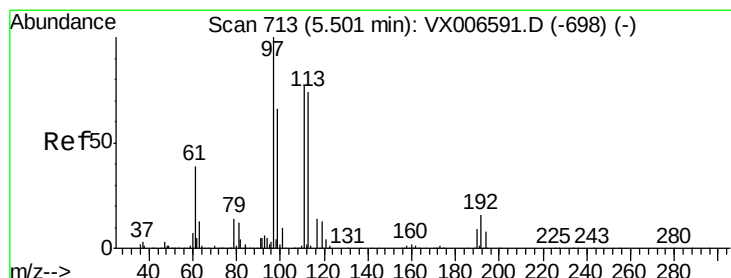
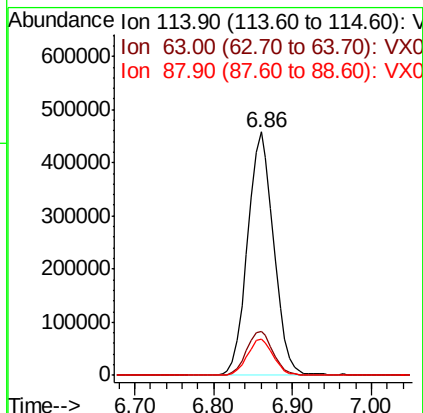
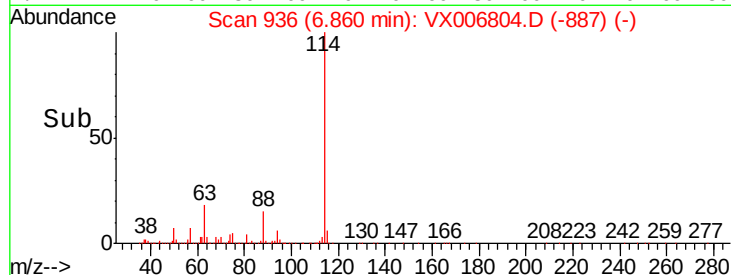
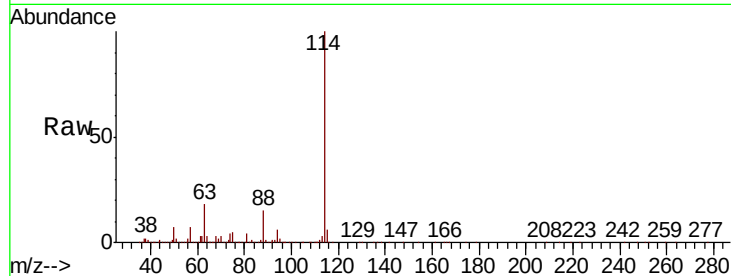
Tot Ion:114 Resp: 1052872

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

88 14.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 46.772 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006804.D

Acq: 24 Dec 2018 19:17

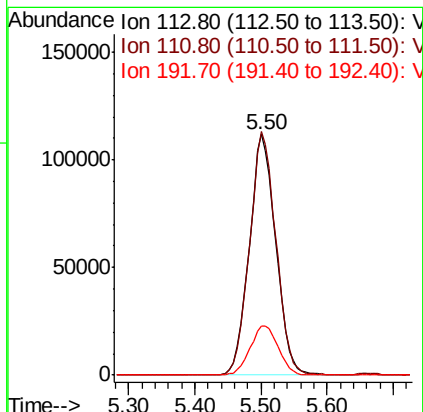
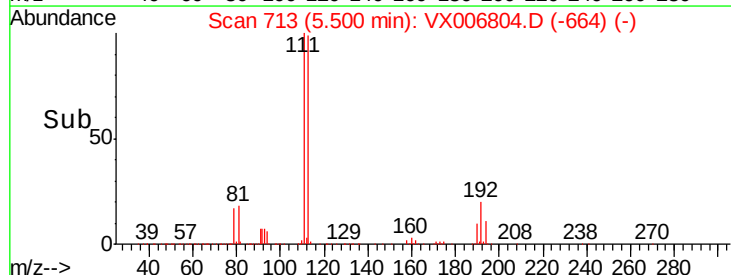
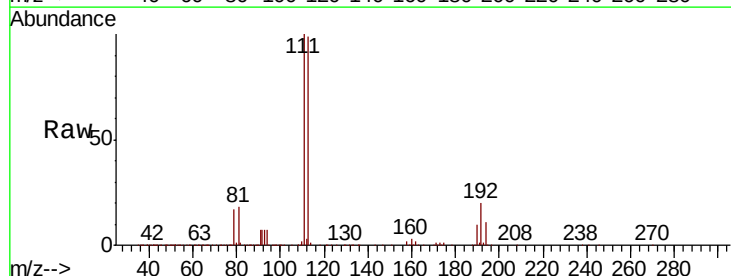
Tgt Ion:113 Resp: 311414

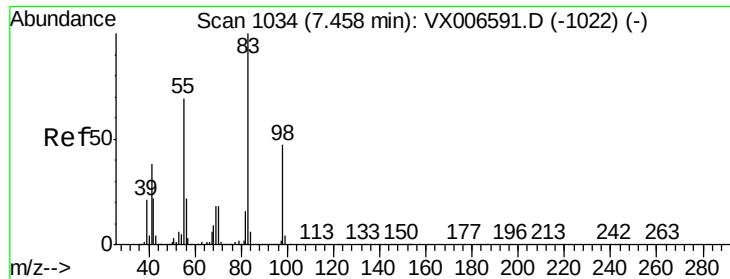
Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

192 21.8 16.7 25.1

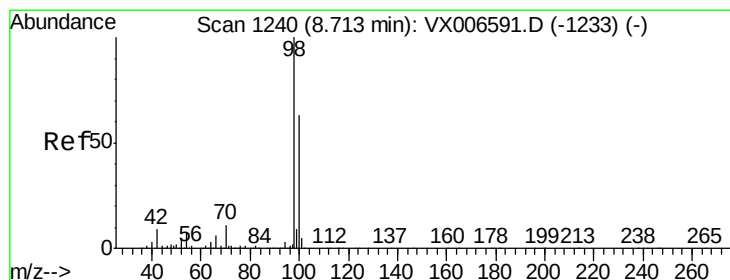
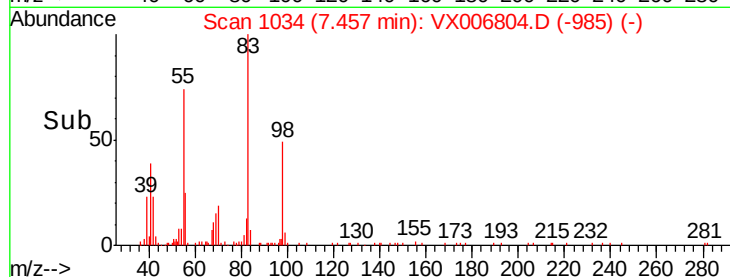
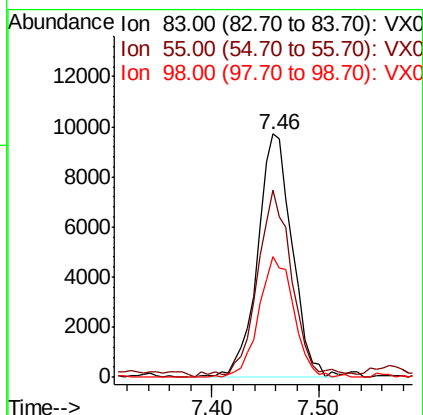
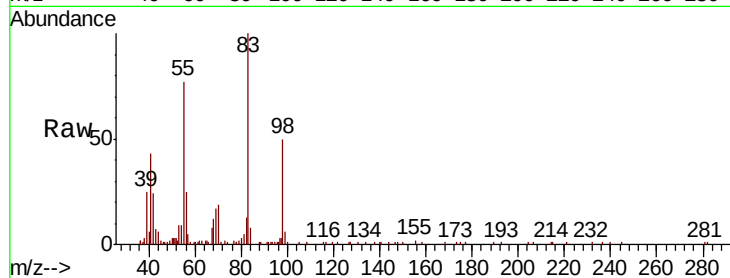




#39
Methylvlcyclohexane
Concen: 1.925 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006804.D
Acq: 24 Dec 2018 19:17

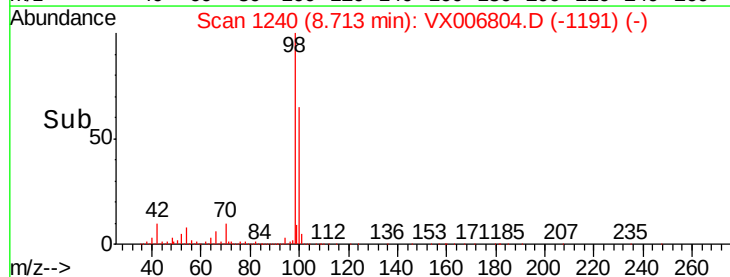
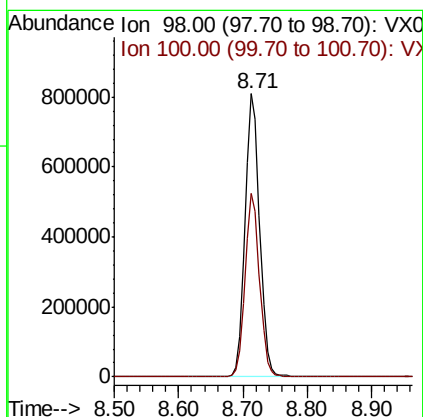
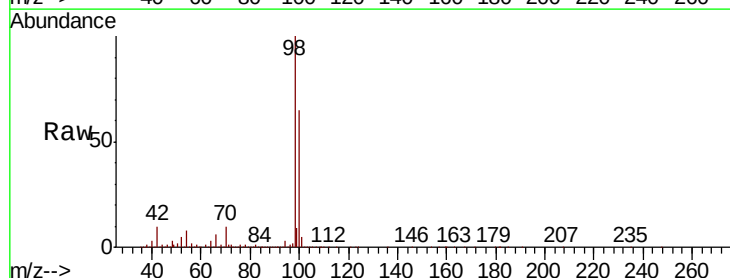
Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01MEDL

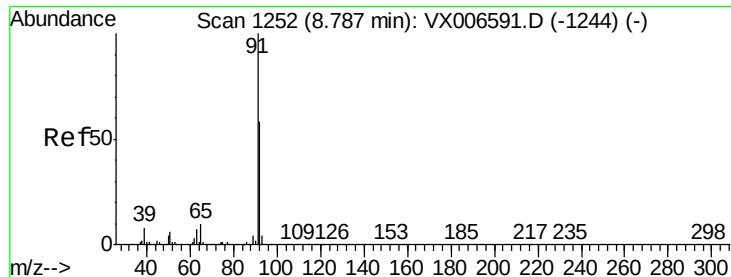
Tot Ion: 83 Resp: 22103
Ion Ratio Lower Upper
83 100
55 76.1 54.9 82.3
98 49.5 37.9 56.9



#50
Toluene-d8
Concen: 50.375 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006804.D
Acq: 24 Dec 2018 19:17

Tgt Ion: 98 Resp: 1264494
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0





#52

Toluene

Concen: 370.446 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006804.D

Acq: 24 Dec 2018 19:17

Instrument :

MSVOA_X

ClientSampleId :

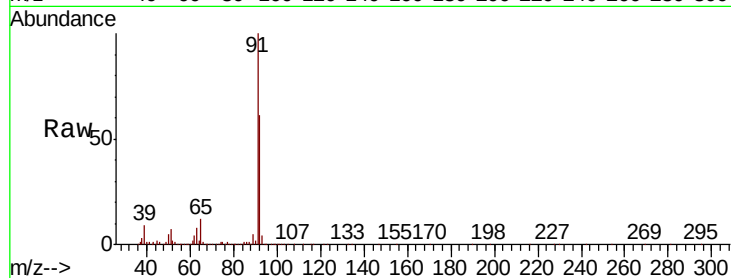
P001-SS013C-3642-01MEDL

Tot Ion: 92 Resp: 6343660

Ion Ratio Lower Upper

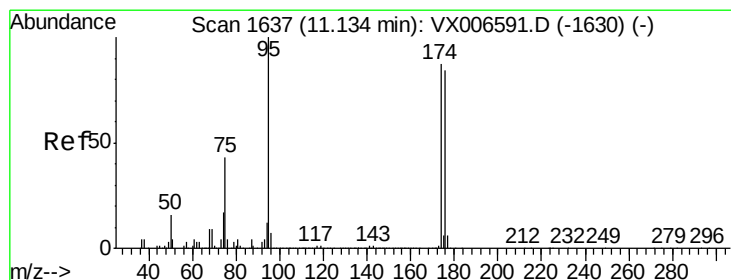
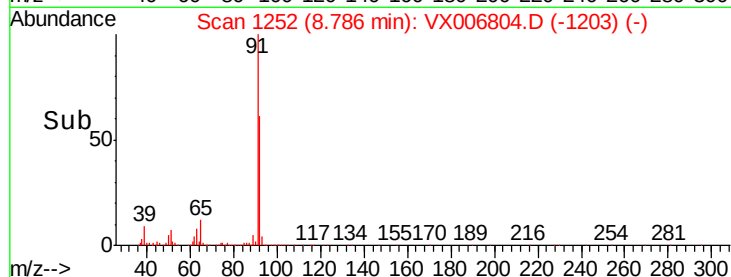
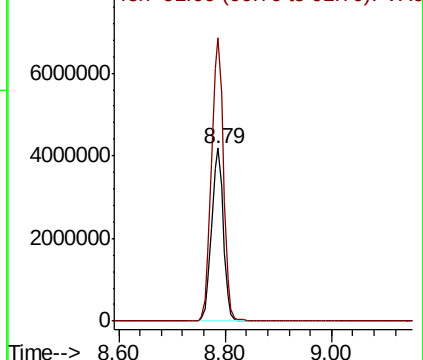
92 100

91 167.6 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 50.206 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006804.D

Acq: 24 Dec 2018 19:17

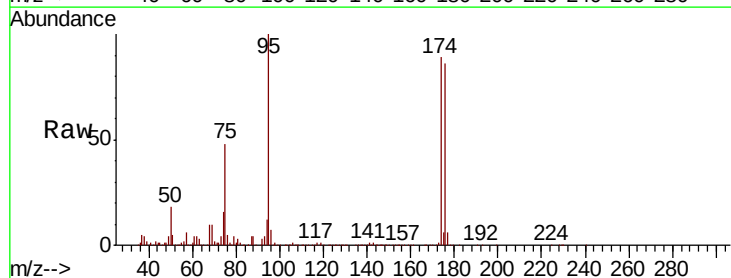
Tgt Ion: 95 Resp: 461556

Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.2

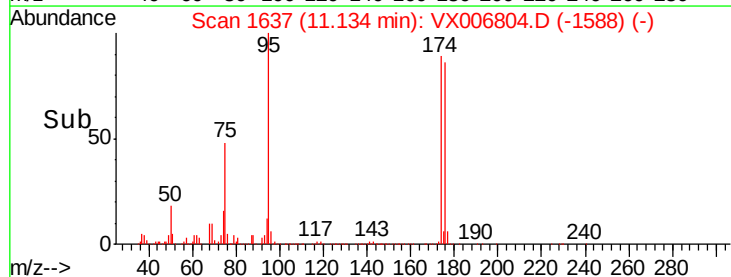
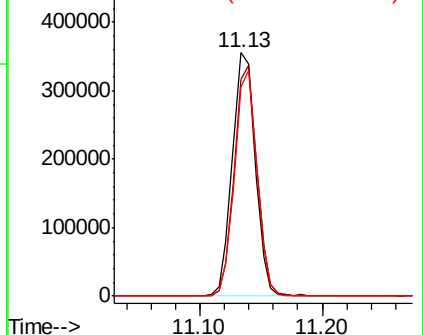
176 90.4 0.0 178.8

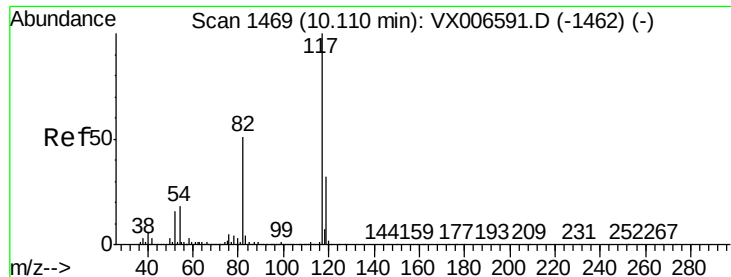


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

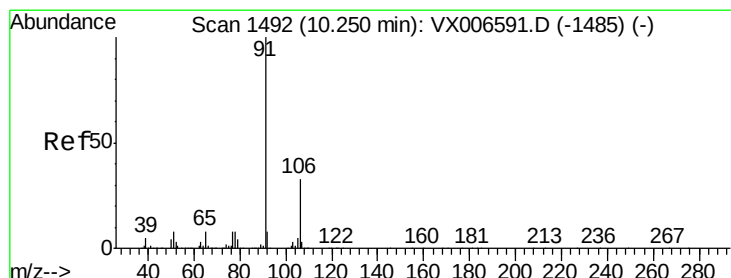
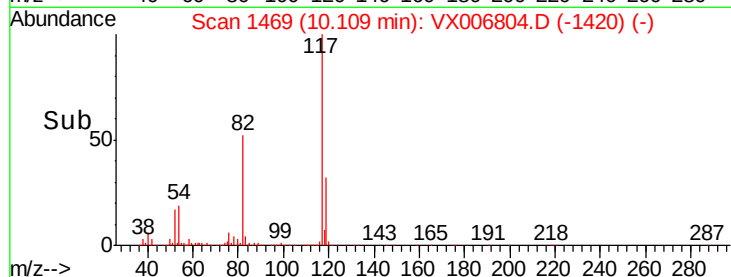
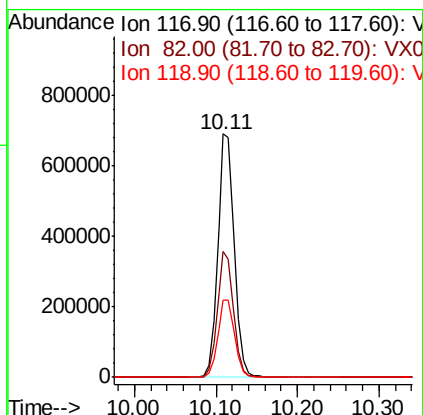
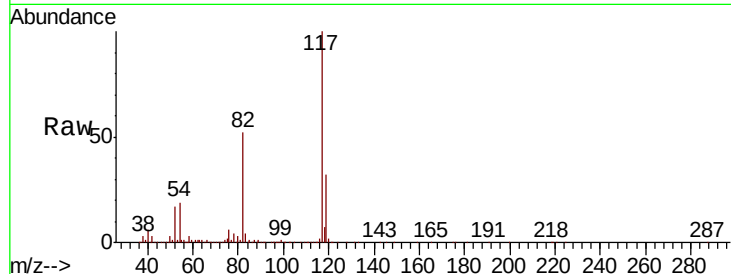




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006804.D
Acq: 24 Dec 2018 19:17

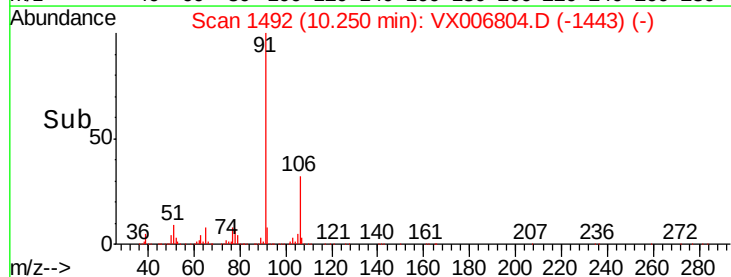
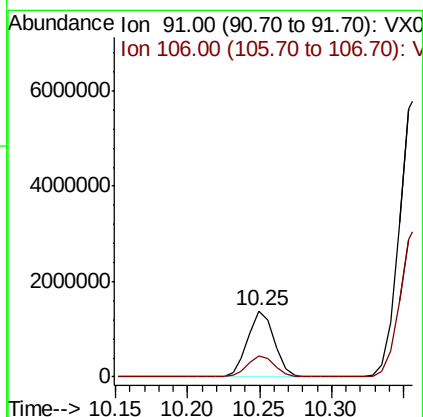
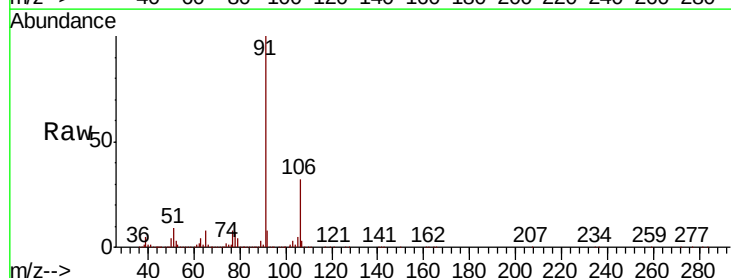
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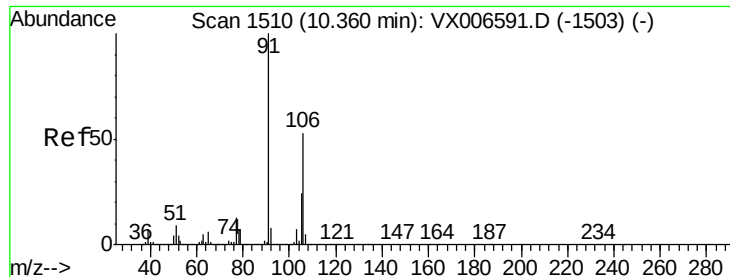
Tot Ion:117 Resp: 982318
Ion Ratio Lower Upper
117 100
82 51.6 41.0 61.6
119 31.7 25.4 38.0



#67
Ethyl Benzene
Concen: 51.888 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006804.D
Acq: 24 Dec 2018 19:17

Tgt Ion: 91 Resp: 1762074
Ion Ratio Lower Upper
91 100
106 32.0 26.4 39.6

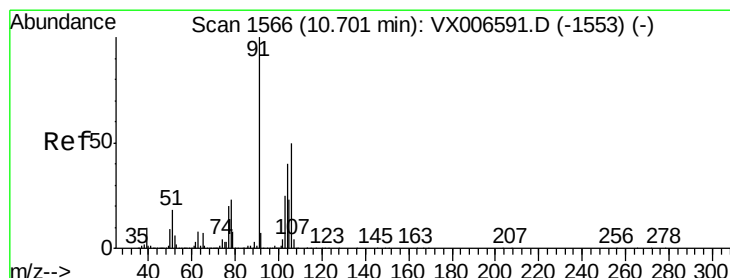
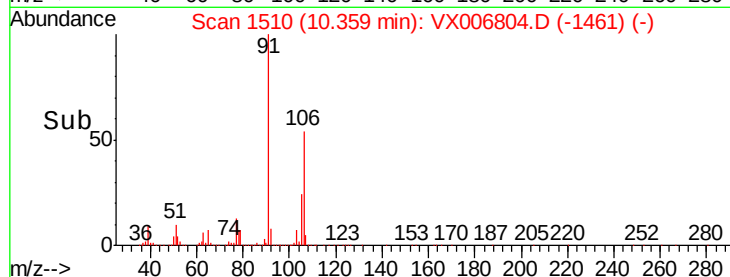
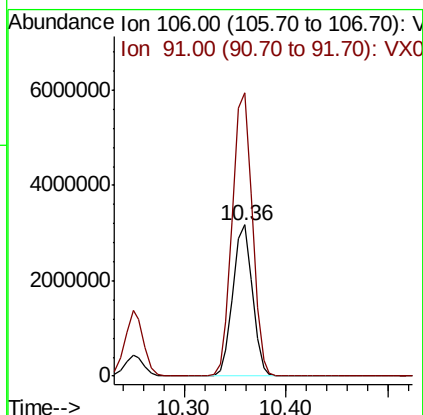
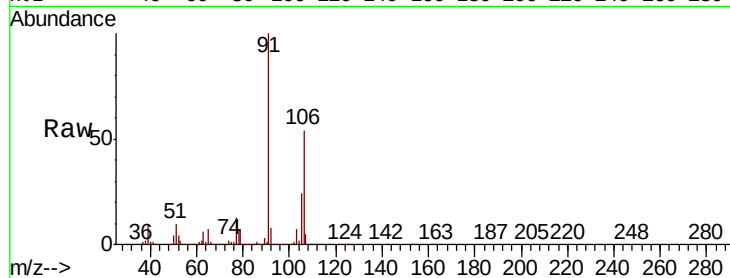




#68
m/p-Xylenes
Concen: 310.985 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006804.D
Acq: 24 Dec 2018 19:17

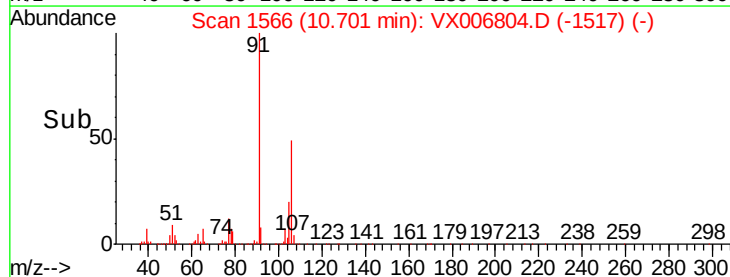
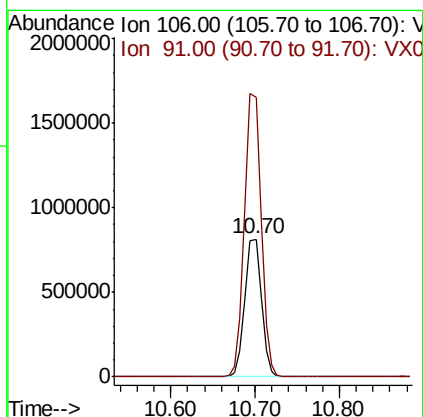
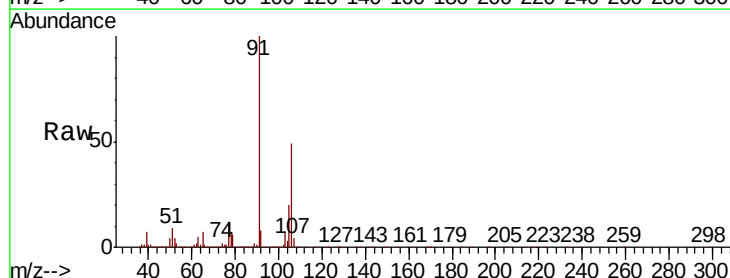
Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01MEDL

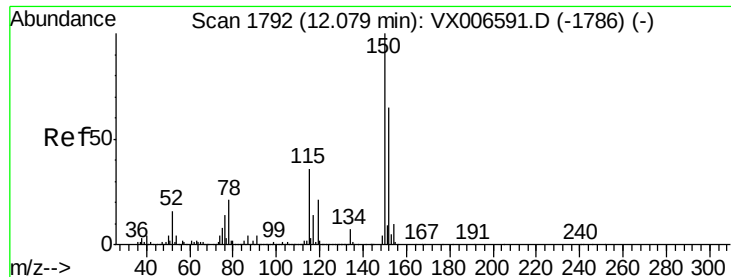
Tot Ion:106 Resp: 4167221
Ion Ratio Lower Upper
106 100
91 192.5 155.8 233.6



#69
o-Xylene
Concen: 81.255 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006804.D
Acq: 24 Dec 2018 19:17

Tgt Ion:106 Resp: 1075185
Ion Ratio Lower Upper
106 100
91 205.9 101.3 303.7



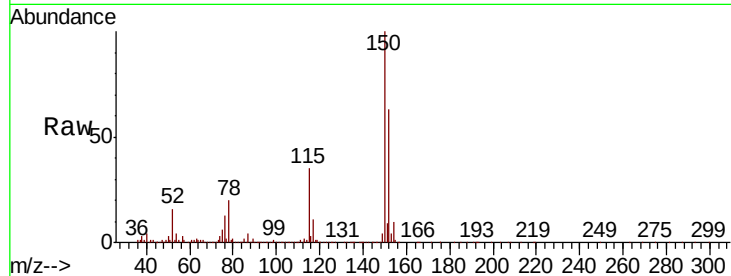


#72

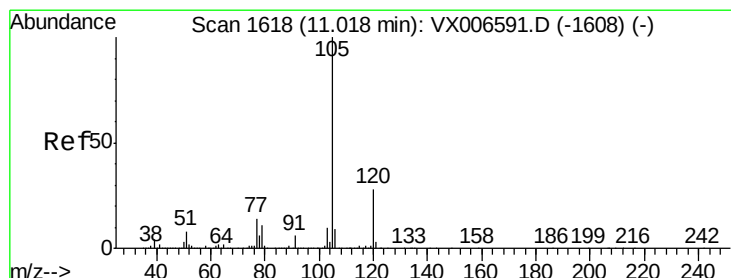
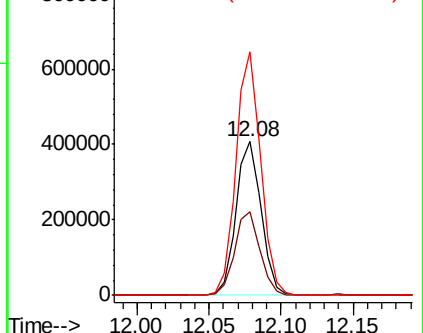
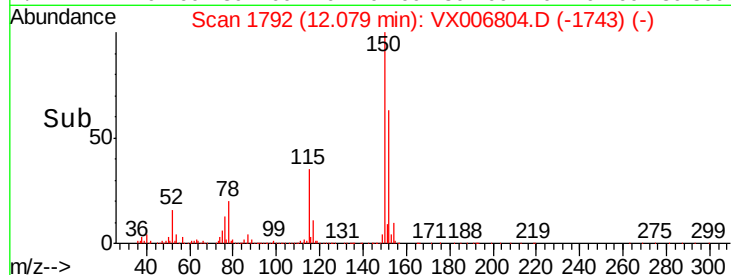
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006804.D
Acq: 24 Dec 2018 19:17

Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01MEDL

Tot Ion:152 Resp: 496612
Ion Ratio Lower Upper
152 100
115 54.9 39.1 117.2
150 156.1 0.0 344.8



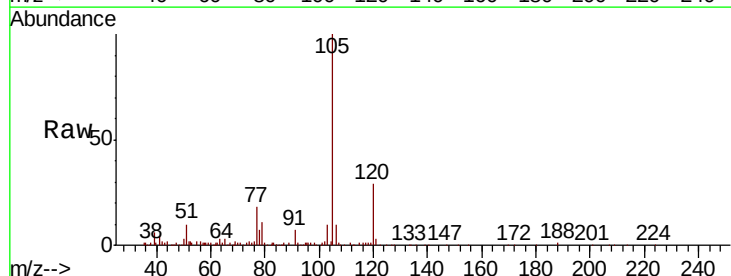
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



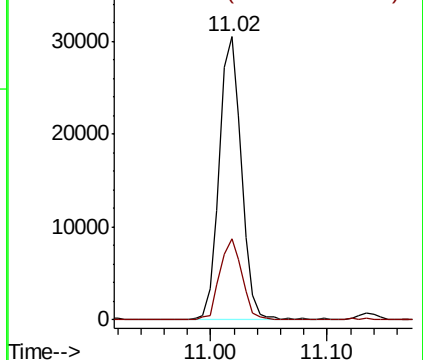
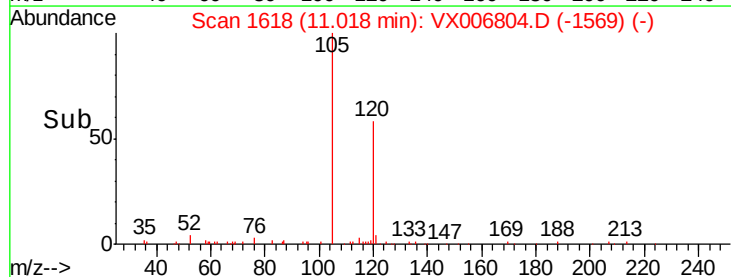
#73

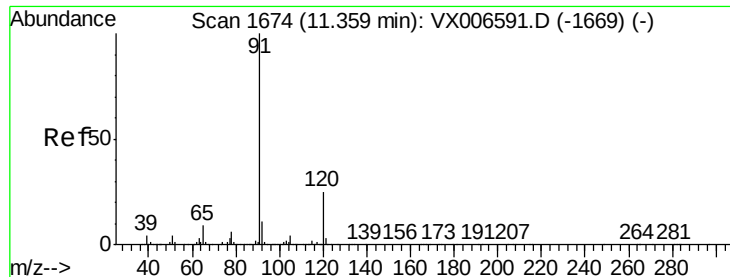
Isopropylbenzene
Concen: 1.177 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006804.D
Acq: 24 Dec 2018 19:17

Tgt Ion:105 Resp: 39994
Ion Ratio Lower Upper
105 100
120 28.8 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.831 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006804.D

Acq: 24 Dec 2018 19:17

Instrument :

MSVOA_X

ClientSampleId :

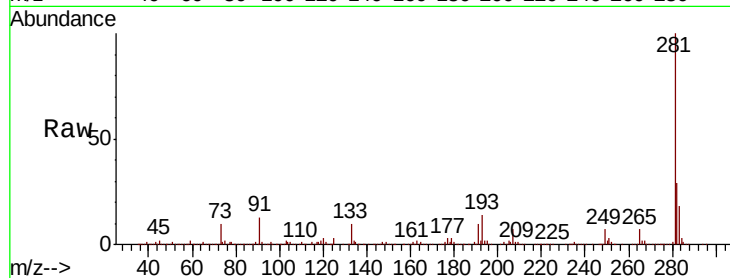
P001-SS013C-3642-01MEDL

Tot Ion: 91 Resp: 68520

Ion Ratio Lower Upper

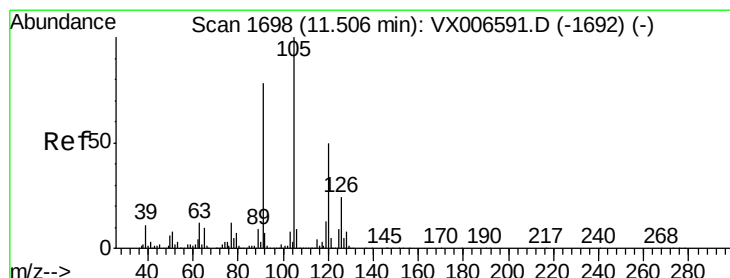
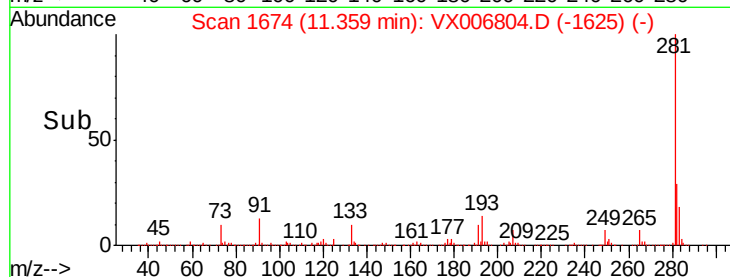
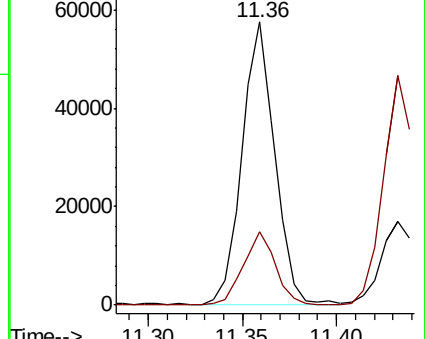
91 100

120 26.2 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 3.147 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006804.D

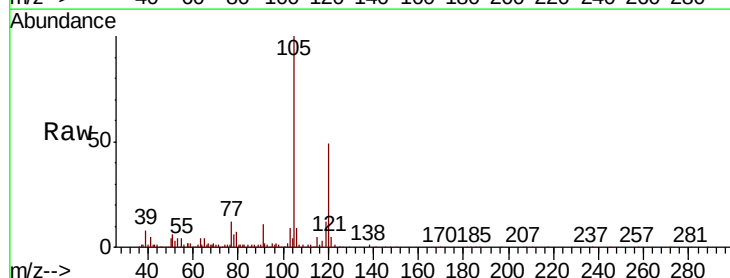
Acq: 24 Dec 2018 19:17

Tgt Ion:105 Resp: 88056

Ion Ratio Lower Upper

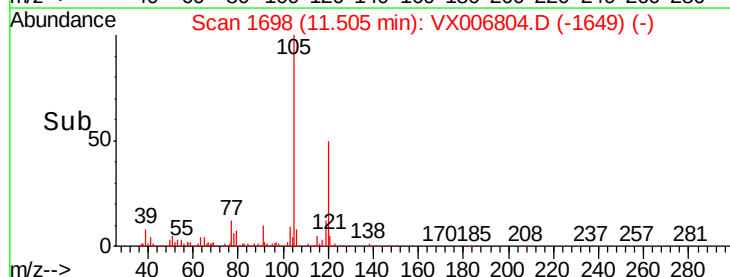
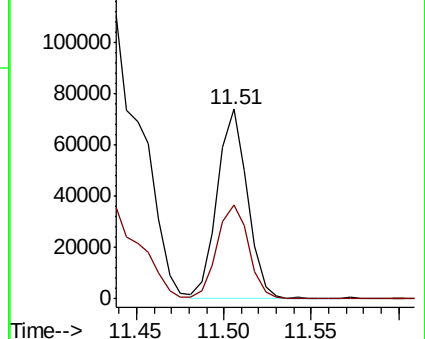
105 100

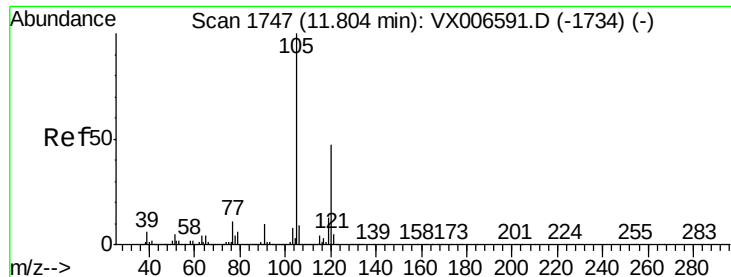
120 52.3 25.1 75.3



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: 8.694 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006804.D

Acq: 24 Dec 2018 19:17

Instrument :

MSVOA_X

ClientSampleId :

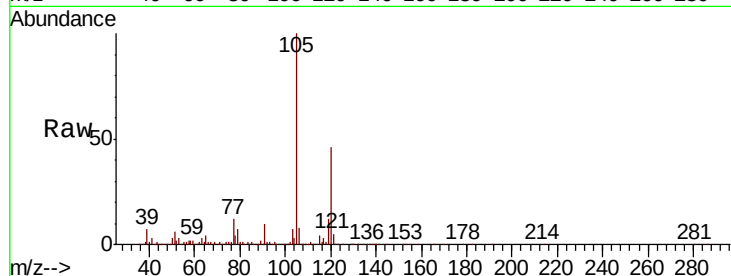
P001-SS013C-3642-01MEDL

Tot Ion:105 Resp: 255900

Ion Ratio Lower Upper

105 100

120 47.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

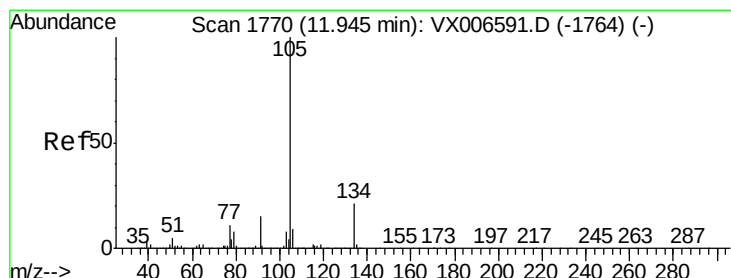
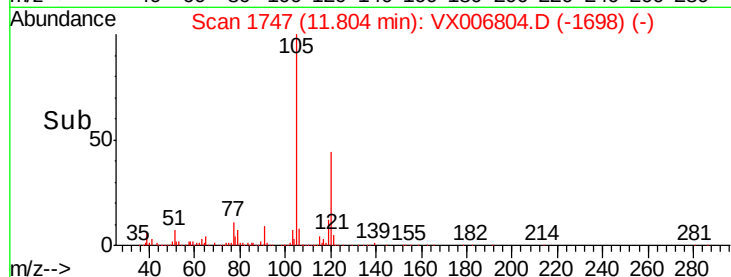
0

11.70

11.80

11.90

Time-->



#85

sec-Butylbenzene

Concen: 0.304 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006804.D

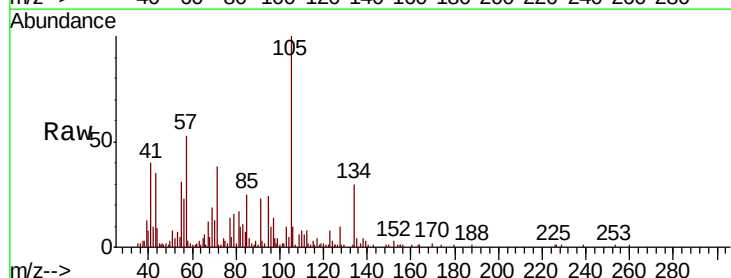
Acq: 24 Dec 2018 19:17

Tgt Ion:105 Resp: 10428

Ion Ratio Lower Upper

105 100

134 43.8 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

10000

8000

6000

4000

2000

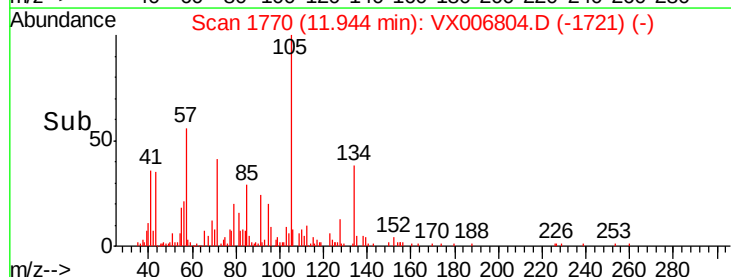
0

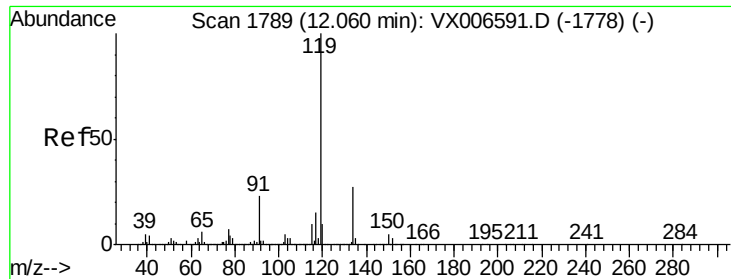
11.90

11.94

12.00

Time-->

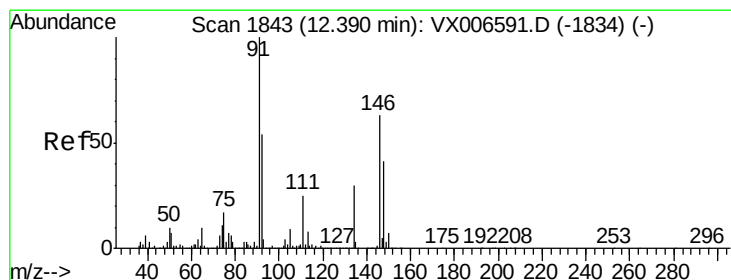
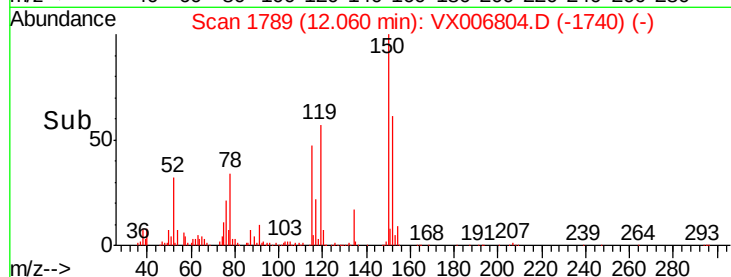
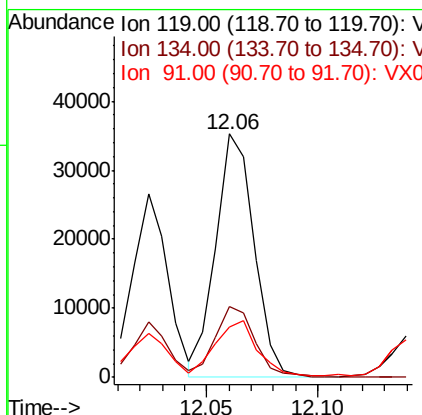
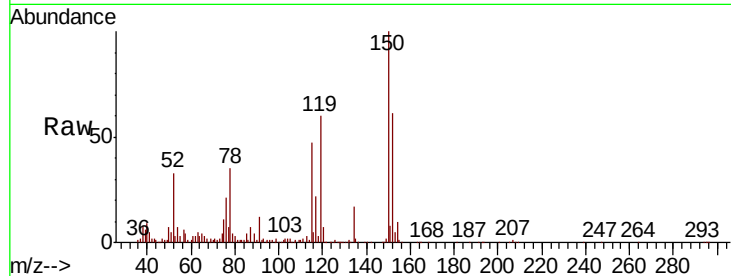




#86
 p-Isopropyltoluene
 Concen: 1.404 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX006804.D
 Acq: 24 Dec 2018 19:17

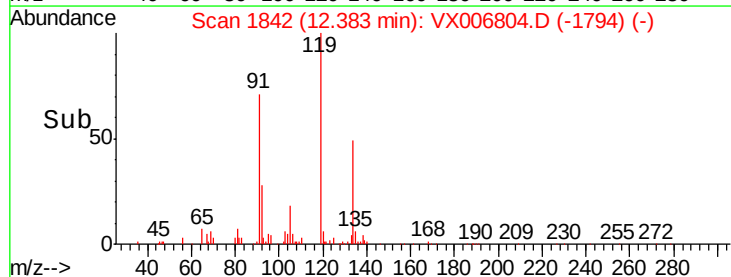
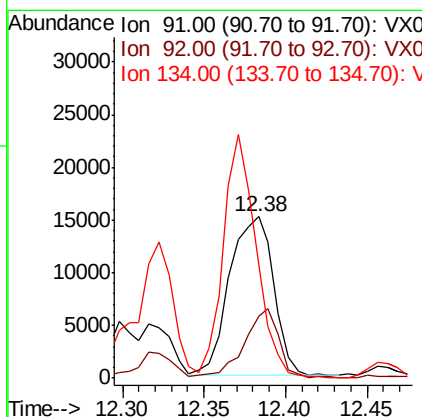
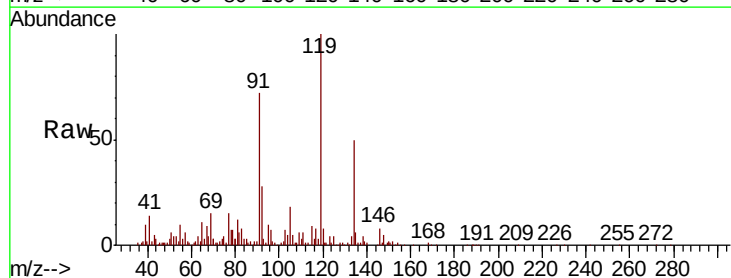
Instrument :
 MSVOA_X
 ClientSampleId :
 P001-SS013C-3642-01MEDL

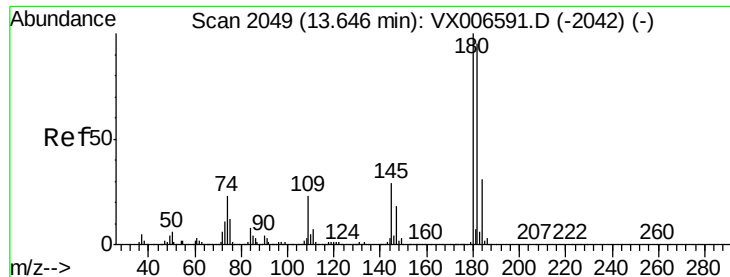
Tot Ion	Ratio	Lower	Upper
119	100		
134	29.9	14.0	41.9
91	23.8	11.3	33.9



#89
 n-Butylbenzene
 Concen: 1.108 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX006804.D
 Acq: 24 Dec 2018 19:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	34.7	26.8	80.4
134	114.2	14.4	43.2

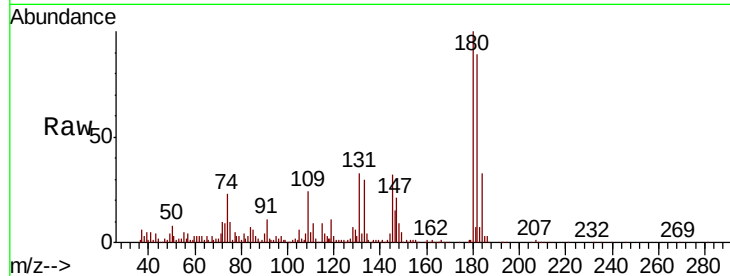




#93
 1,2,4-Trichlorobenzene
 Concen: 3.936 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006804.D
 Acq: 24 Dec 2018 19:17

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-SS013C-3642-01MEDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.3	142.0
145	39.6	14.8	44.3

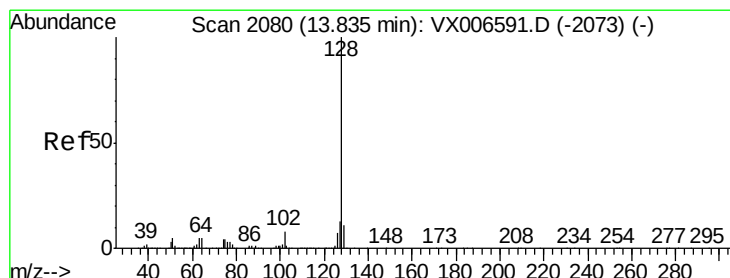
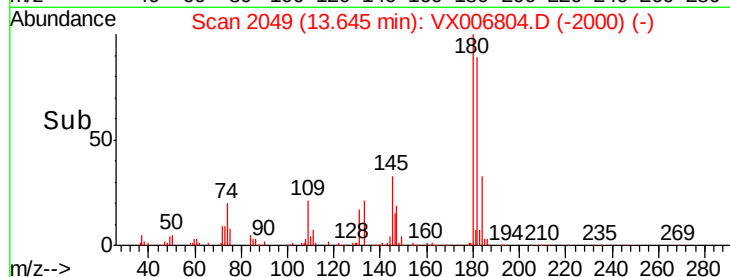
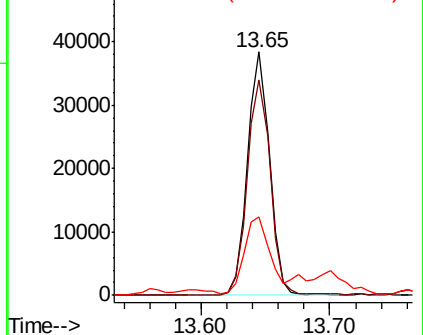


Abundance

Ion 179.80 (179.50 to 180.50): V

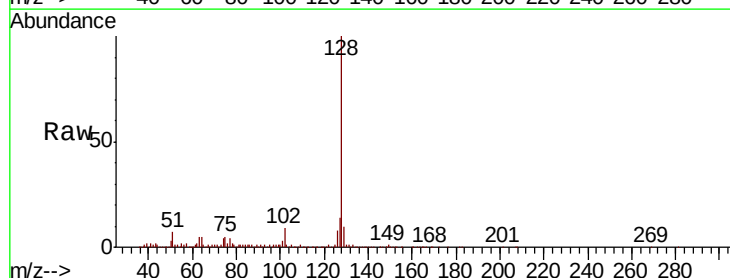
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.791 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX006804.D
 Acq: 24 Dec 2018 19:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	12.1	8.6	13.0

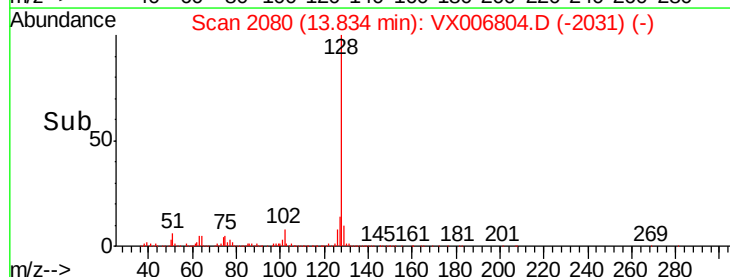
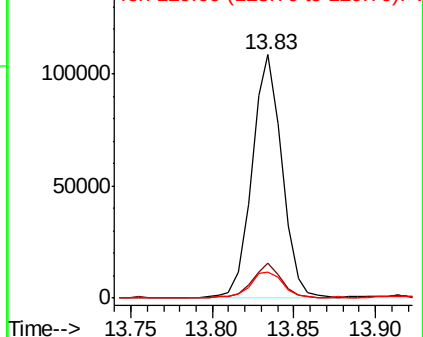


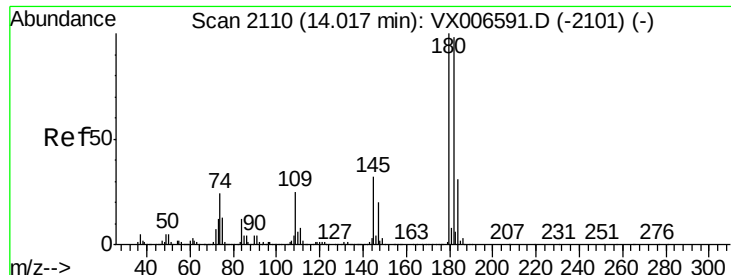
Abundance

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: 0.836 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX006804.D
 Acq: 24 Dec 2018 19:17

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-SS013C-3642-01MEDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.5	145.5
145	67.8	16.0	47.9#

