

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112618\
 Data File : VX006199.D
 Acq On : 27 Nov 2018 02:44
 Operator : JC/MD
 Sample : J5774-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-03-112118-A

Quant Time: Nov 27 04:52:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	280574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	415045	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	400480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204797	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	172480	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
35) Dibromofluoromethane	5.50	113	138177	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	8.72	98	527514	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.14	95	185894	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

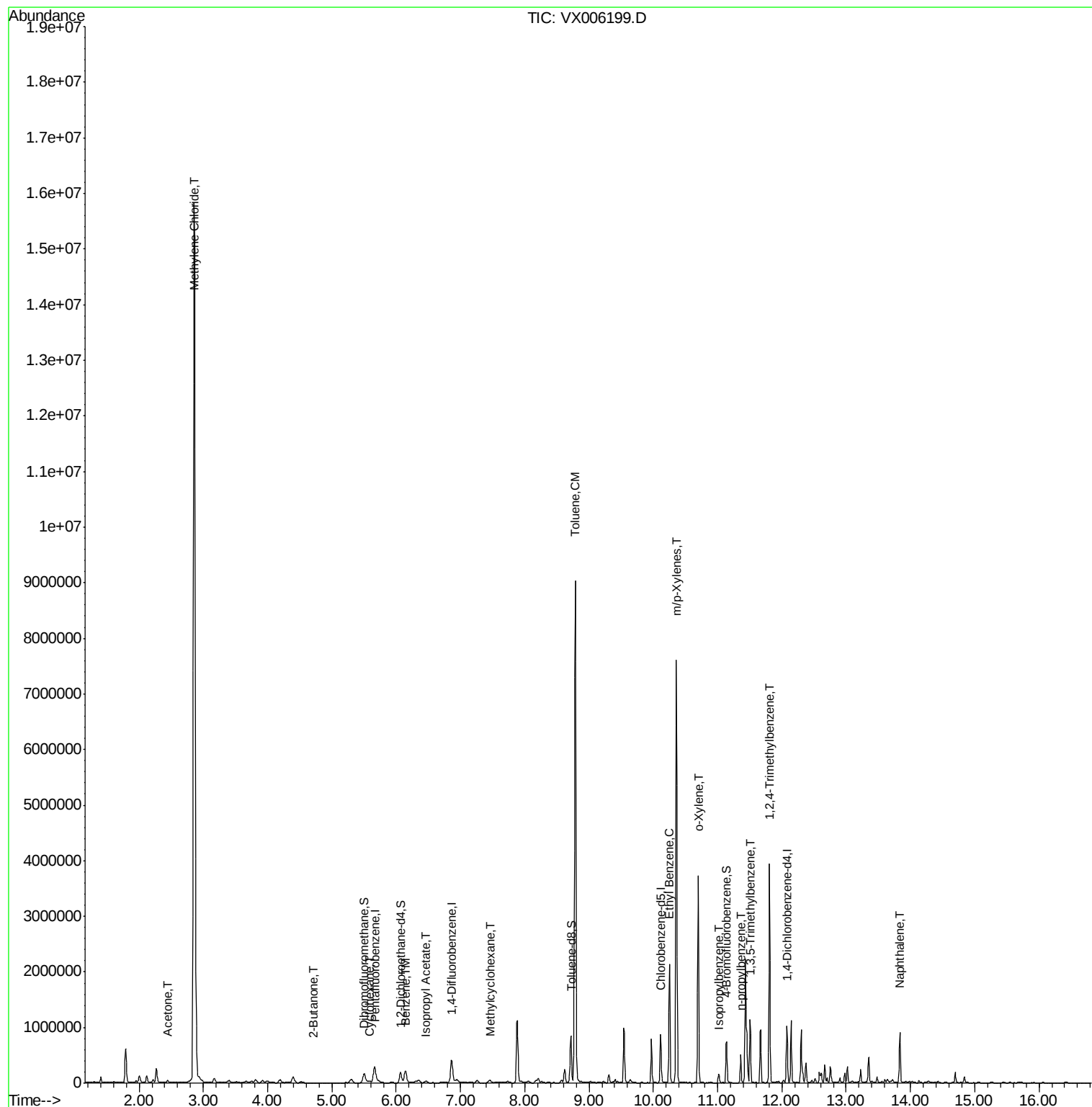
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	41321	28.64	ug/l	100
20) Methylene Chloride	2.85	84	6955286	3207.19	ug/l	96
25) 2-Butanone	4.71	43	6554	2.45	ug/l	95
31) Cyclohexane	5.58	56	21985	5.03	ug/l #	93
39) Methylcyclohexane	7.46	83	17653	4.10	ug/l	98
40) Benzene	6.15	78	261295	23.49	ug/l	99
43) Isopropyl Acetate	6.46	43	17073	2.43	ug/l	96
52) Toluene	8.79	92	3253942	472.90	ug/l	96
67) Ethyl Benzene	10.25	91	1235077	91.82	ug/l	100
68) m/p-Xylenes	10.36	106	1678150	320.41	ug/l	99
69) o-Xylene	10.70	106	763009	152.51	ug/l	100
73) Isopropylbenzene	11.02	105	75051	6.06	ug/l	99
78) n-propylbenzene	11.36	91	289023	20.03	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	465352	44.54	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1727470	162.10	ug/l	99
95) Naphthalene	13.83	128	532578	39.29	ug/l	100

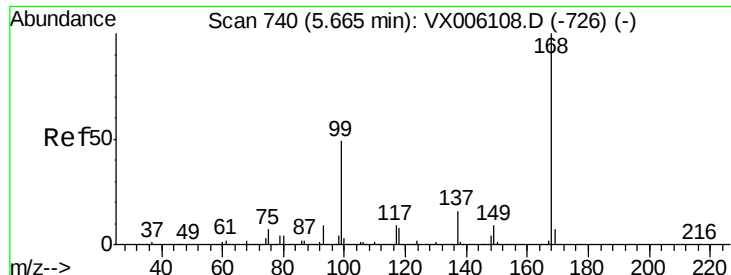
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

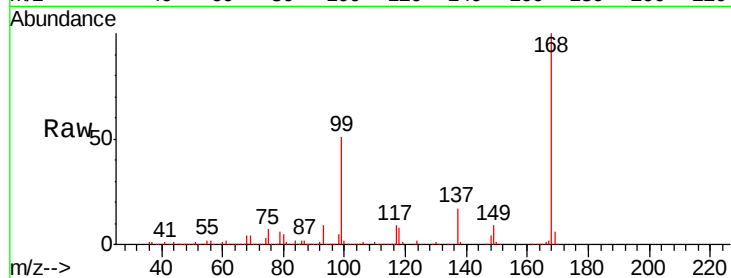
SU-03-112118-A

Tgt Ion:168 Resp: 280574

Ion Ratio Lower Upper

168 100

99 50.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

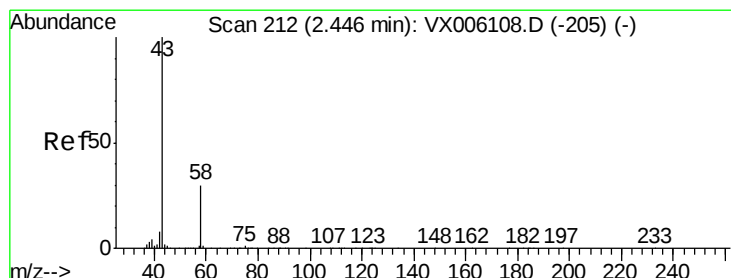
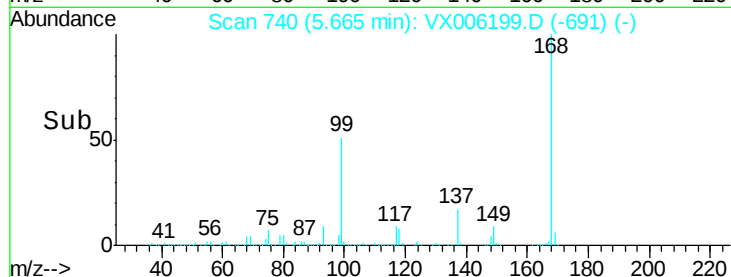
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 28.64 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006199.D

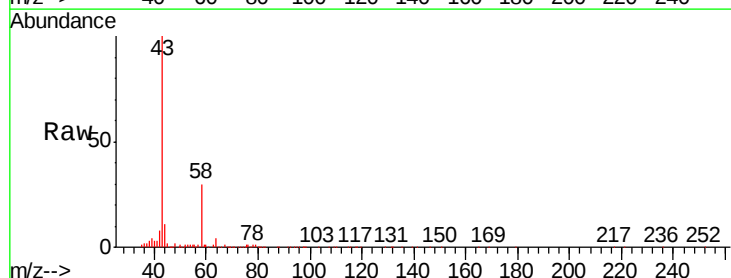
Acq: 27 Nov 2018 02:44

Tgt Ion: 43 Resp: 41321

Ion Ratio Lower Upper

43 100

58 30.0 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

30000

25000

20000

15000

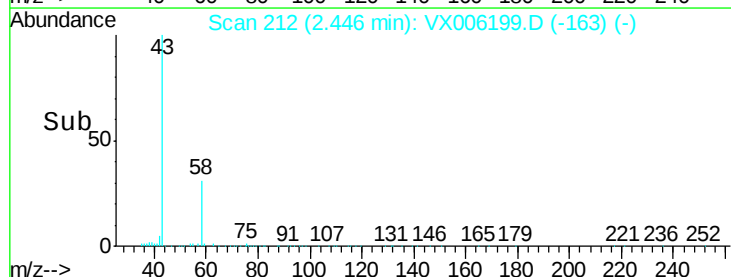
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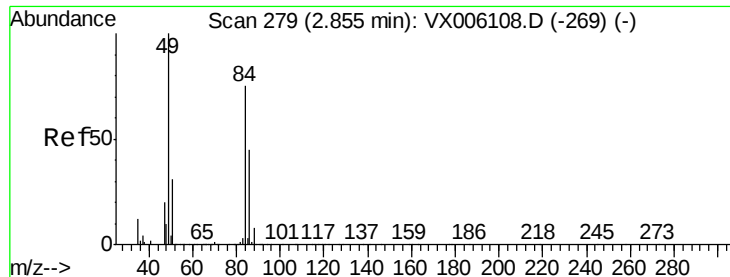
5000

0

Time-->

2.40 2.45 2.50 2.55





#20

Methylene Chloride

Concen: 3207.19 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

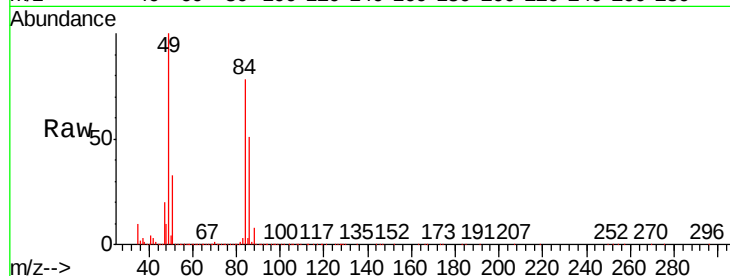
MSVOA_X

ClientSampleId :

SU-03-112118-A

Tgt Ion: 84 Resp: 6955286

Ion	Ratio	Lower	Upper
84	100		
49	128.2	106.6	159.8
51	41.9	32.6	49.0
86	65.6	48.4	72.6

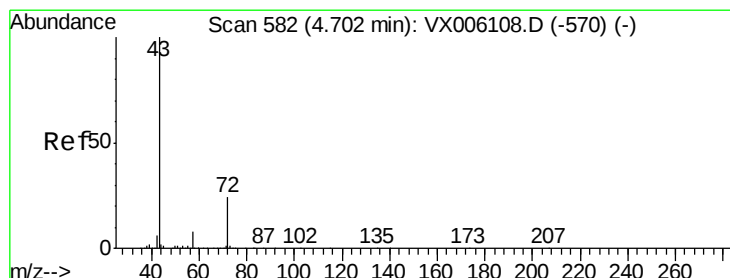
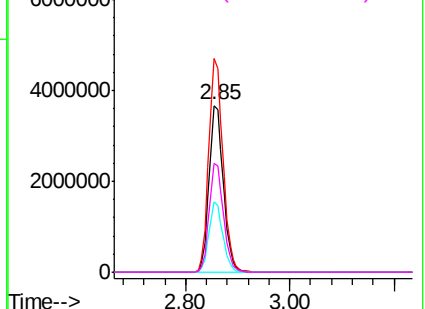
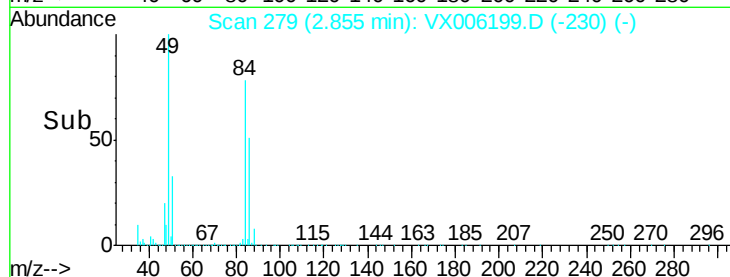


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 2.45 ug/l

RT: 4.71 min Scan# 583

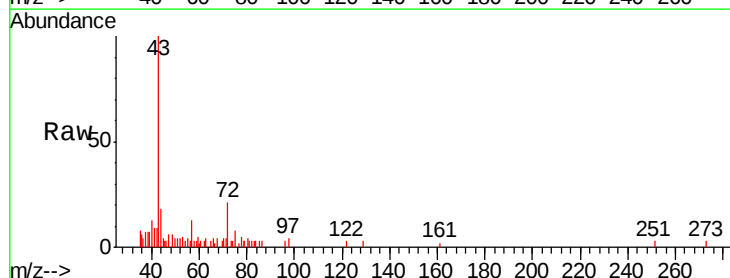
Delta R.T. 0.01 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

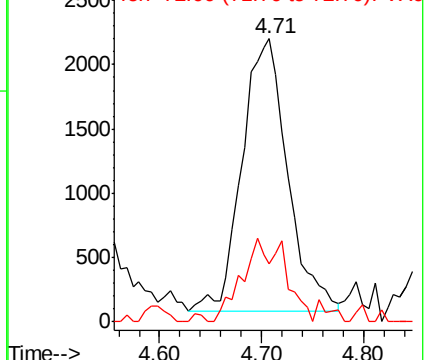
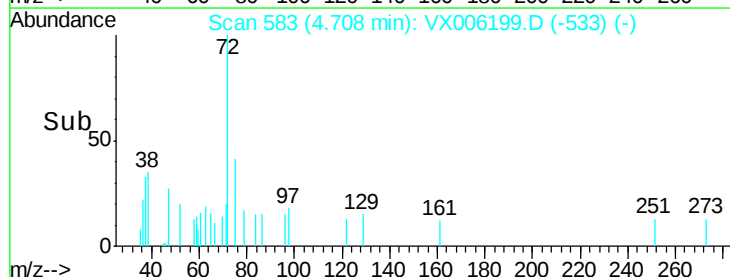
Tgt Ion: 43 Resp: 6554

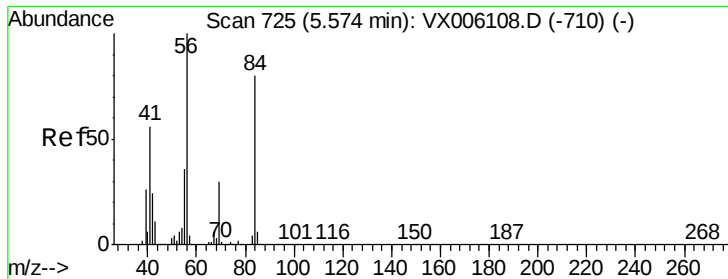
Ion	Ratio	Lower	Upper
43	100		
72	21.5	19.2	28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

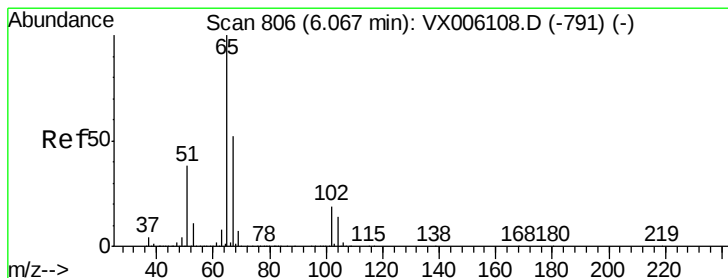
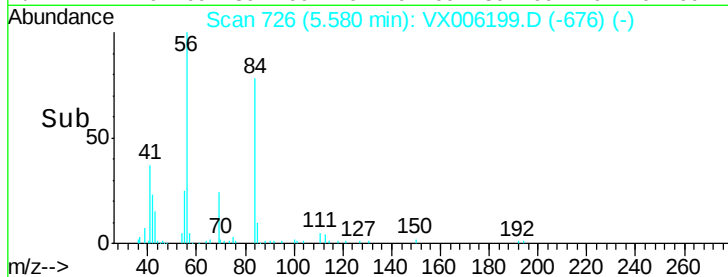
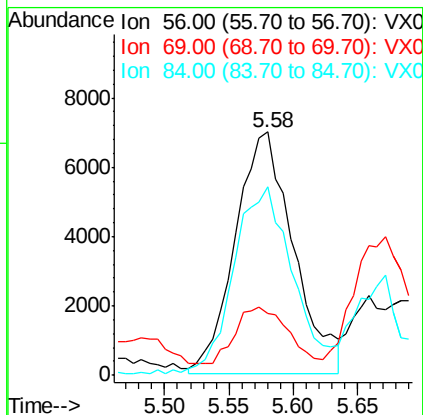
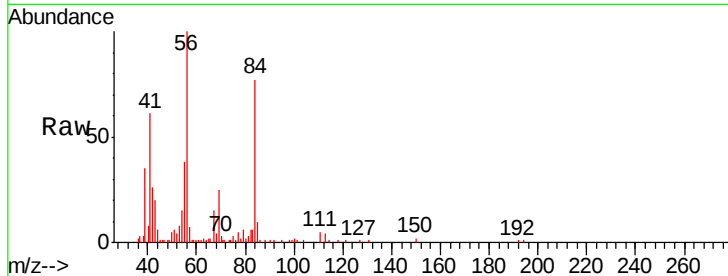




#31
Cyclohexane
Concen: 5.03 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

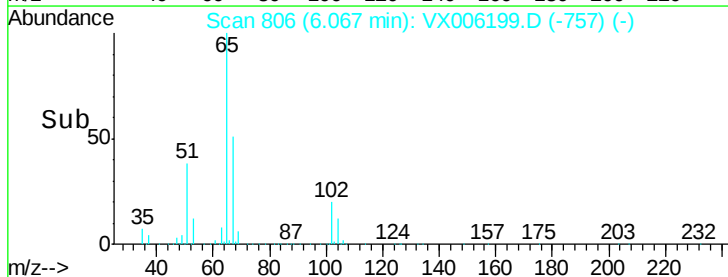
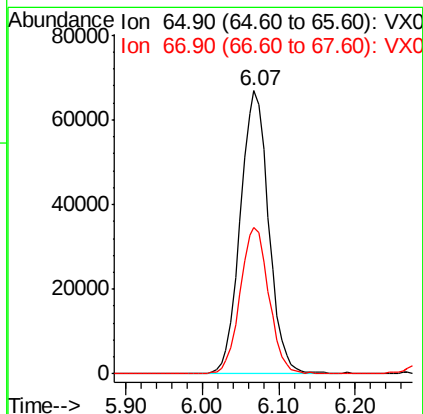
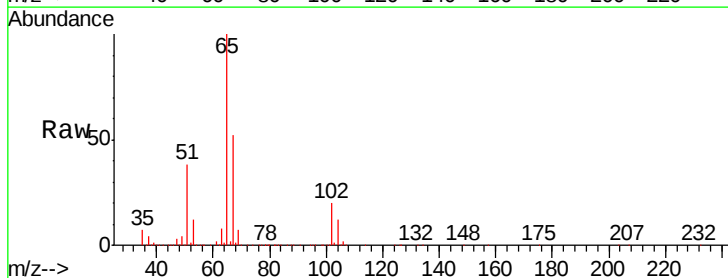
Instrument :
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SU-03-112118-A

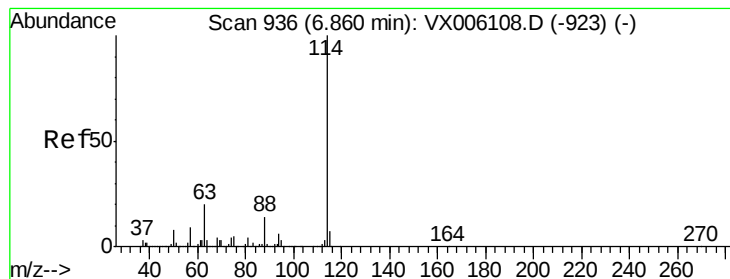
Tgt Ion: 56 Resp: 21985
Ion Ratio Lower Upper
56 100
69 21.0 23.9 35.9#
84 76.9 63.6 95.4



#33
1,2-Dichloroethane-d4
Concen: 53.05 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion: 65 Resp: 172480
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

SU-03-112118-A

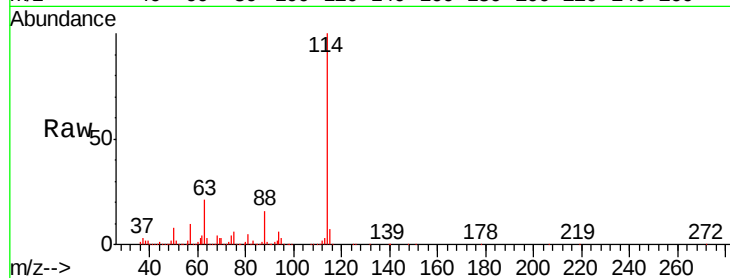
Tgt Ion:114 Resp: 415045

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.2

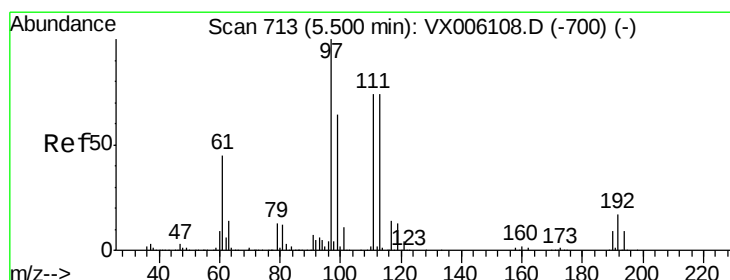
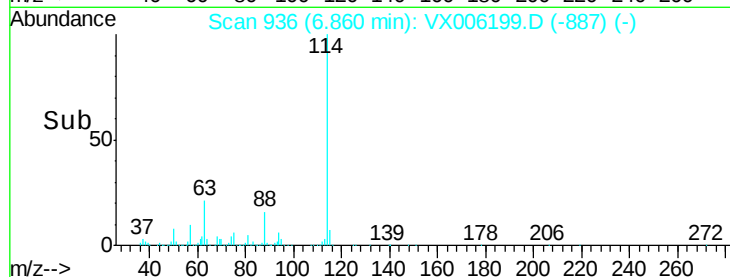
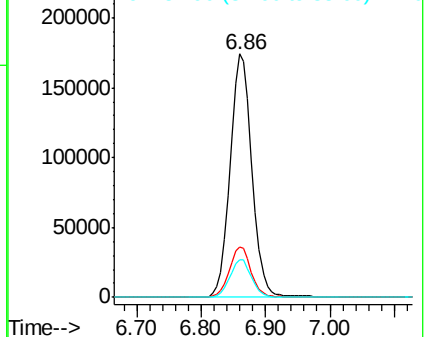
88 15.5 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.86 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

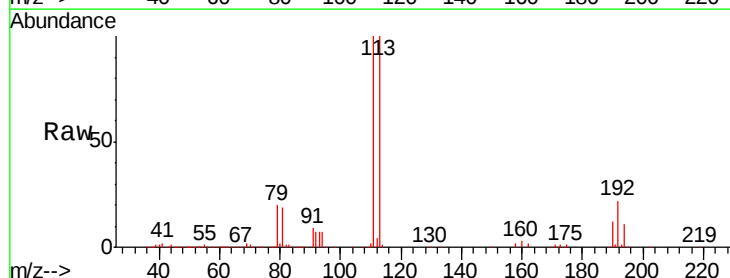
Tgt Ion:113 Resp: 138177

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

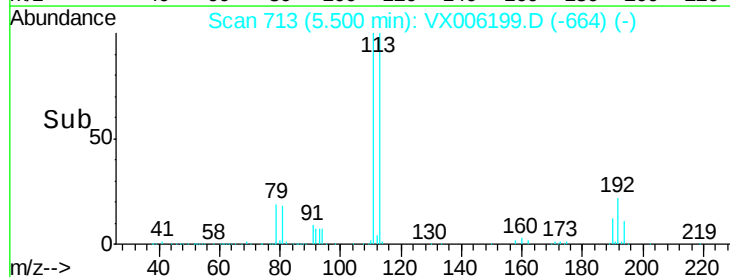
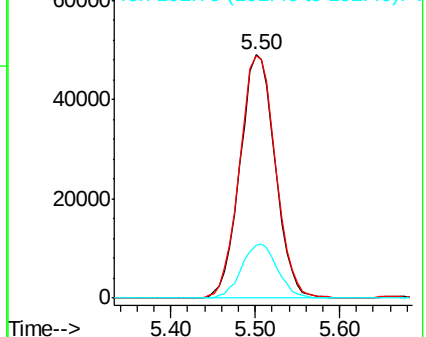
192 22.8 18.6 28.0

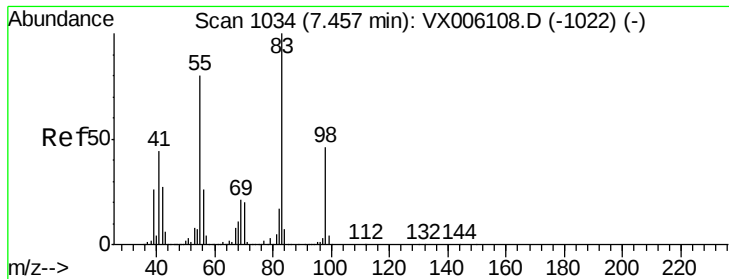


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

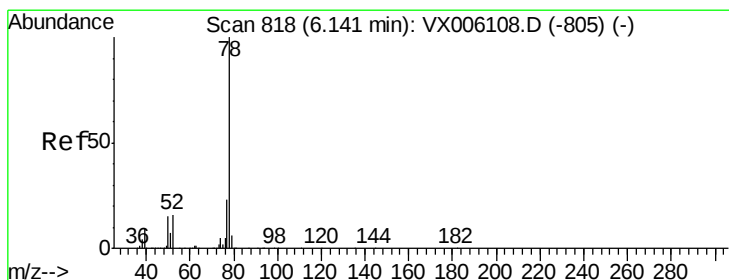
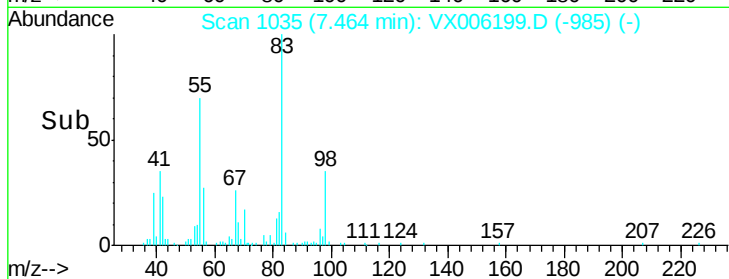
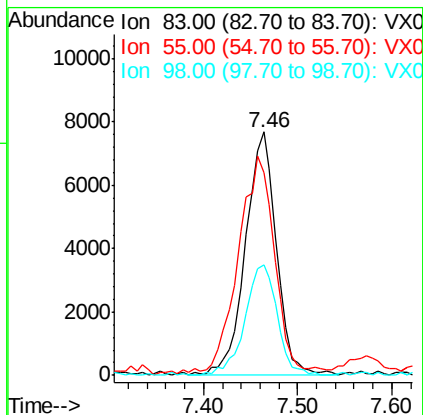
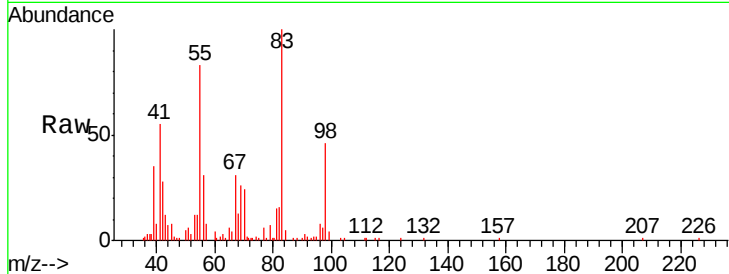




#39
Methylcyclohexane
Concen: 4.10 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

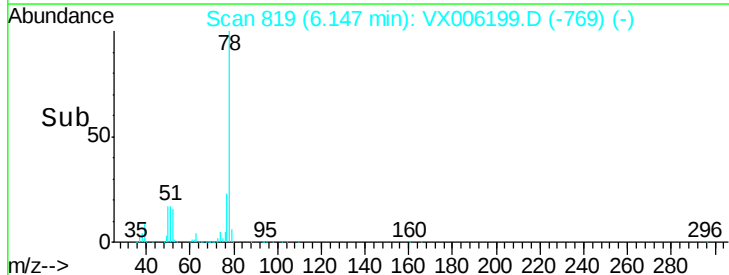
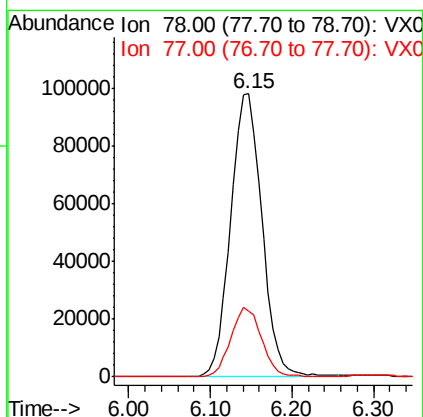
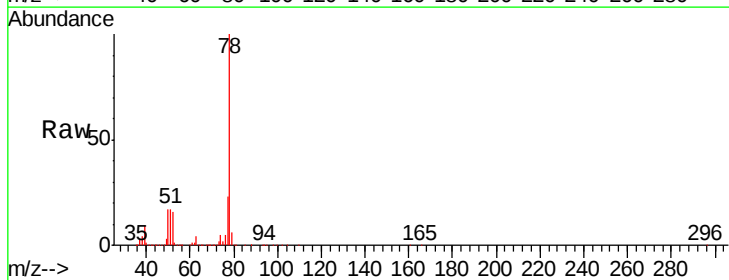
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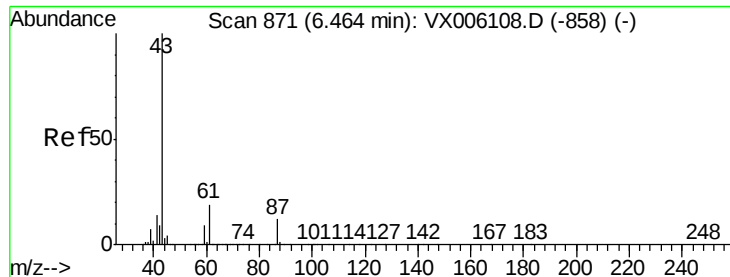
Tgt Ion: 83 Resp: 17653
Ion Ratio Lower Upper
83 100
55 81.8 63.9 95.9
98 45.6 36.8 55.2



#40
Benzene
Concen: 23.49 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion: 78 Resp: 261295
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2





#43

Isopropyl Acetate

Concen: 2.43 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

SU-03-112118-A

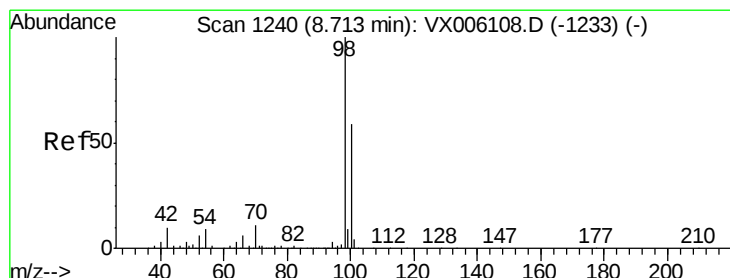
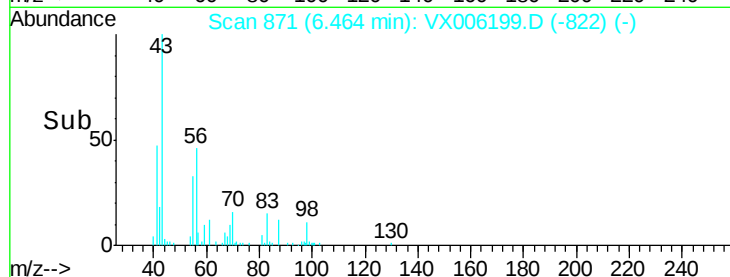
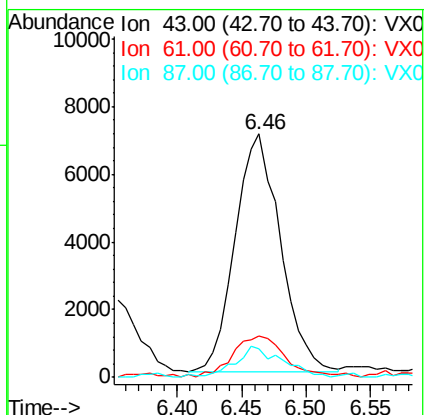
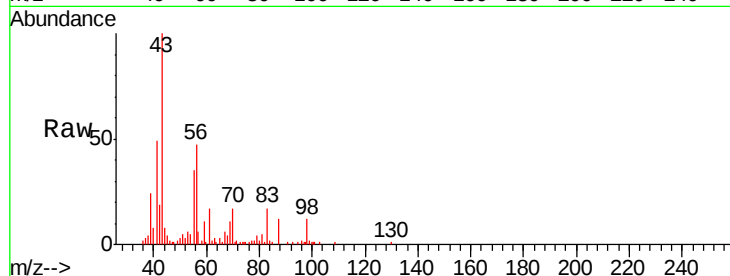
Tgt Ion: 43 Resp: 17073

Ion Ratio Lower Upper

43 100

61 20.6 15.2 22.8

87 13.9 9.6 14.4



#50

Toluene-d8

Concen: 51.91 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX006199.D

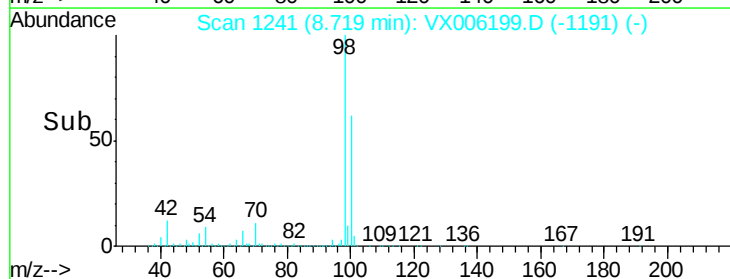
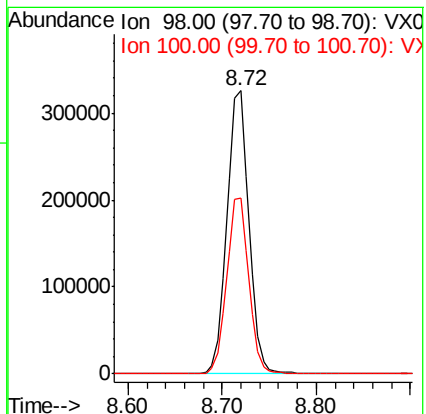
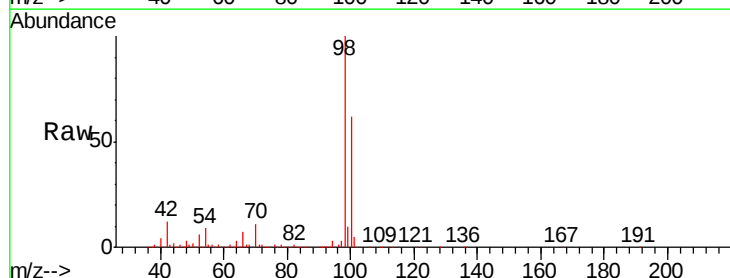
Acq: 27 Nov 2018 02:44

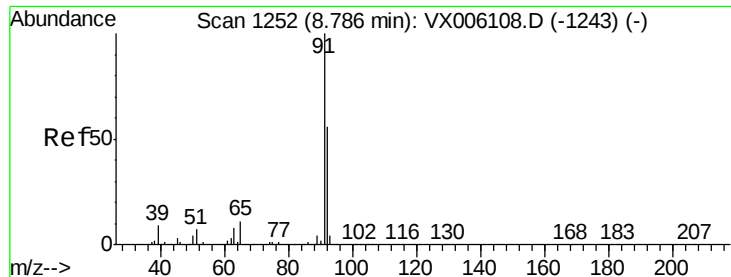
Tgt Ion: 98 Resp: 527514

Ion Ratio Lower Upper

98 100

100 62.4 51.0 76.4





#52

Toluene

Concen: 472.90 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

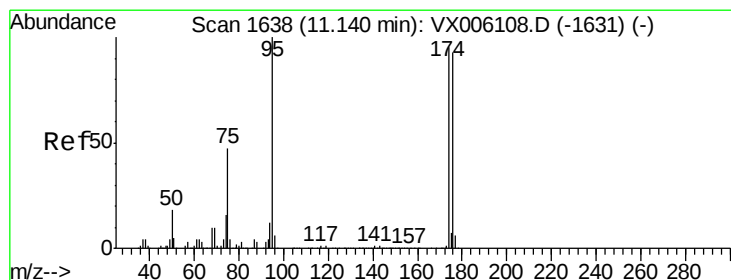
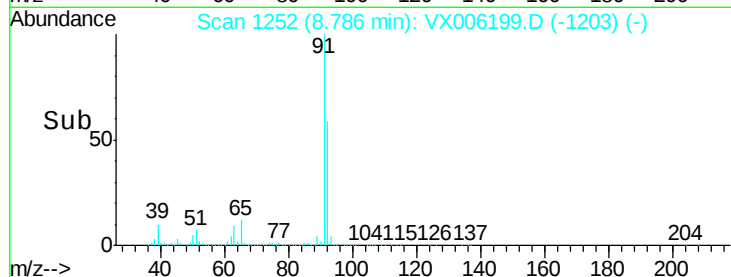
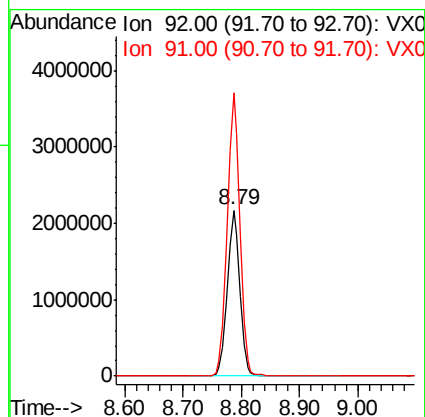
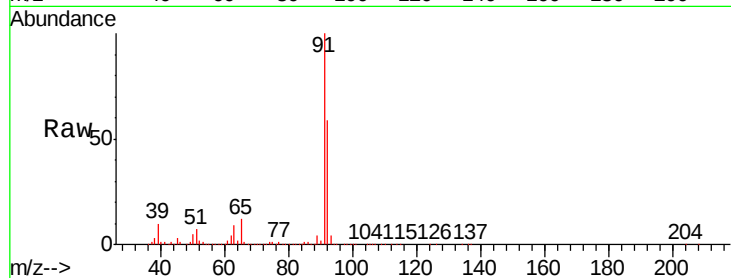
SU-03-112118-A

Tgt Ion: 92 Resp: 3253942

Ion Ratio Lower Upper

92 100

91 172.8 142.5 213.7



#62

4-Bromofluorobenzene

Concen: 48.76 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

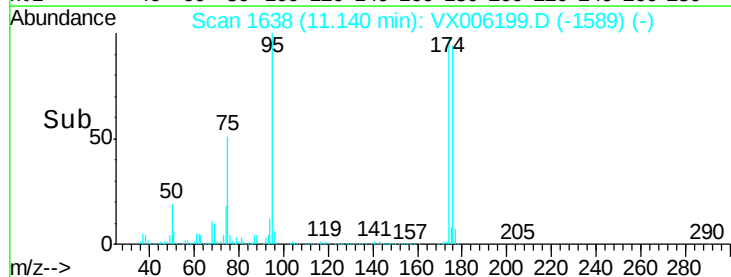
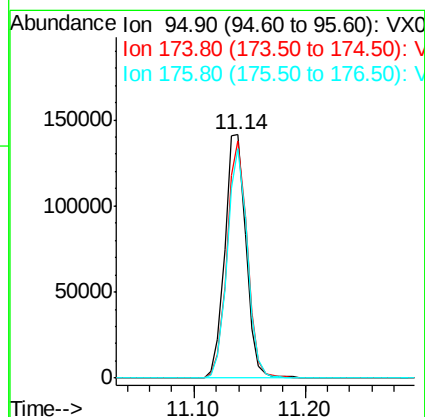
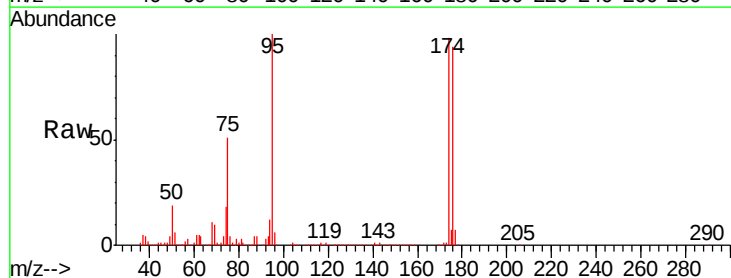
Tgt Ion: 95 Resp: 185894

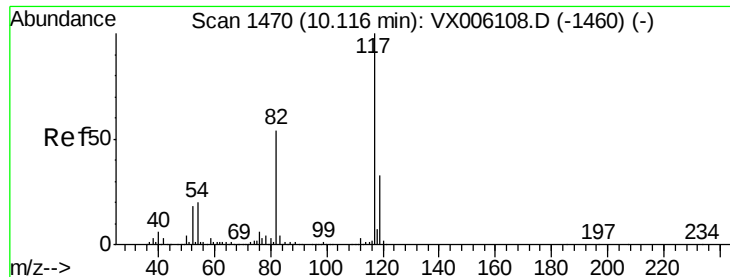
Ion Ratio Lower Upper

95 100

174 93.2 0.0 184.4

176 89.6 0.0 179.0

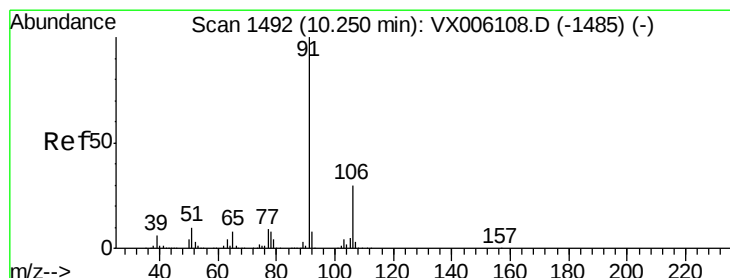
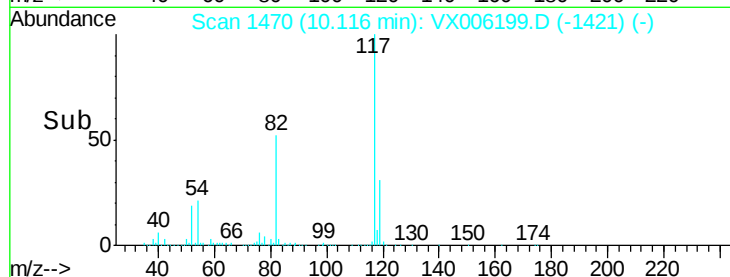
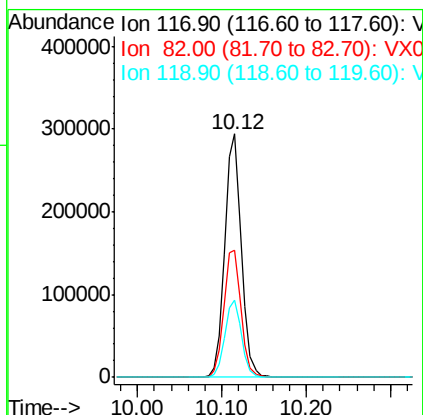
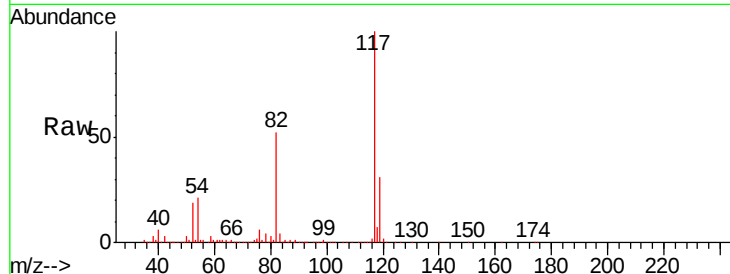




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

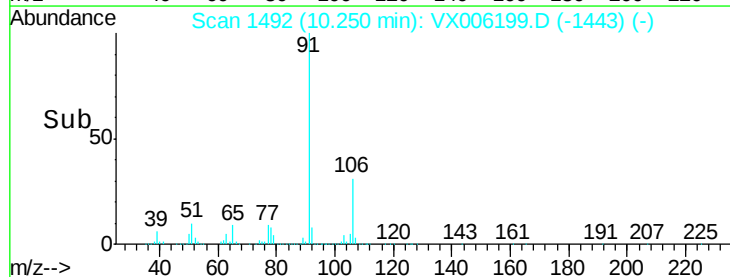
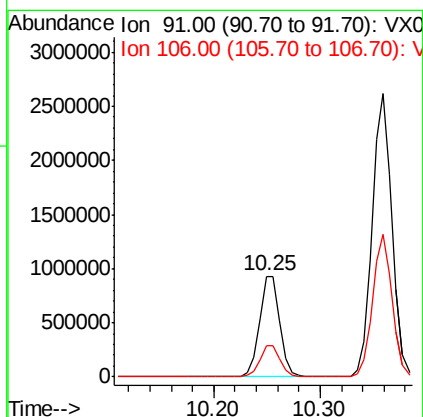
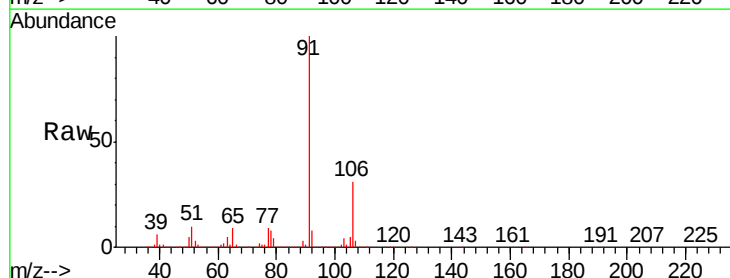
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

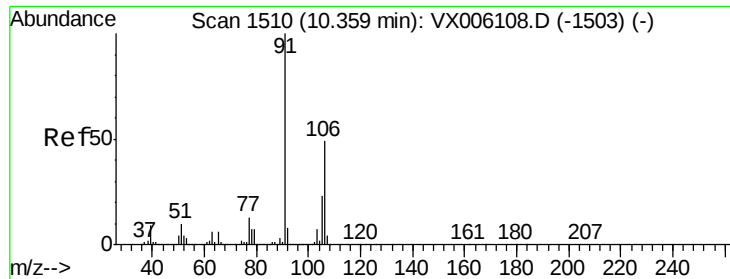
Tgt Ion: 117 Resp: 400480
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 31.5 26.1 39.1



#67
Ethyl Benzene
Concen: 91.82 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion: 91 Resp: 1235077
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6

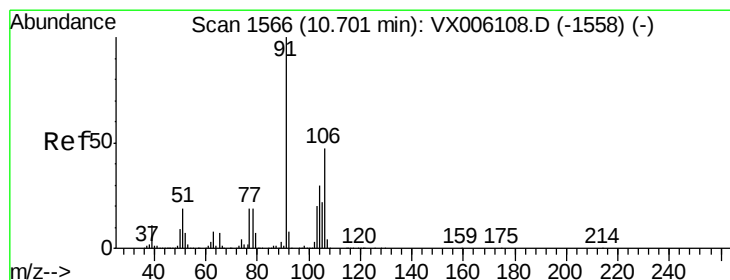
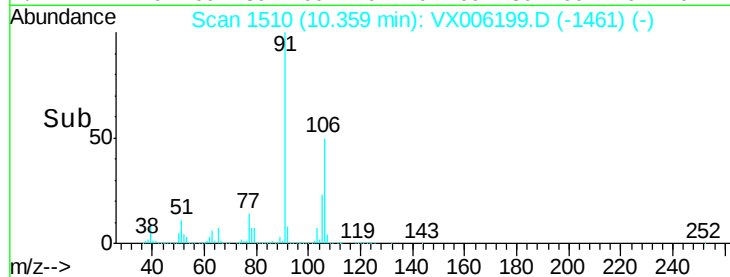
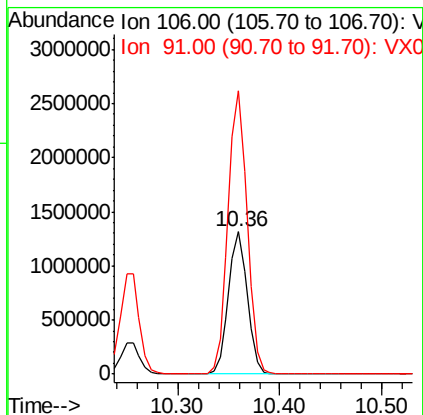
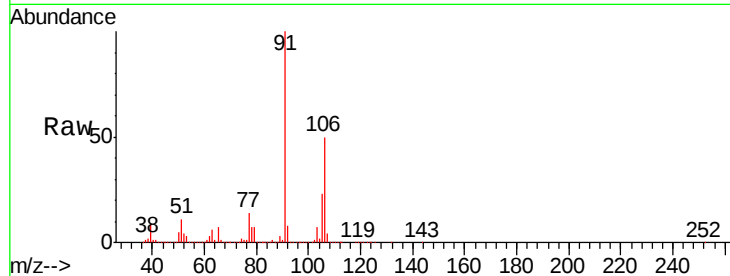




#68
m/p-Xylenes
Concen: 320.41 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

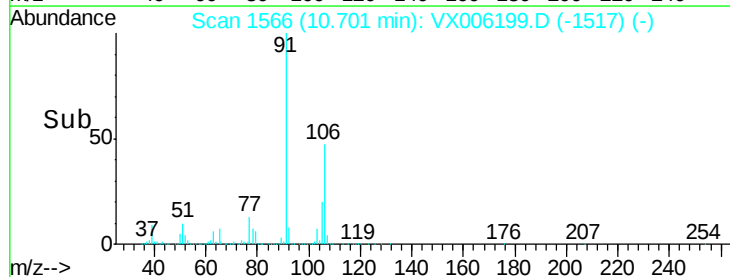
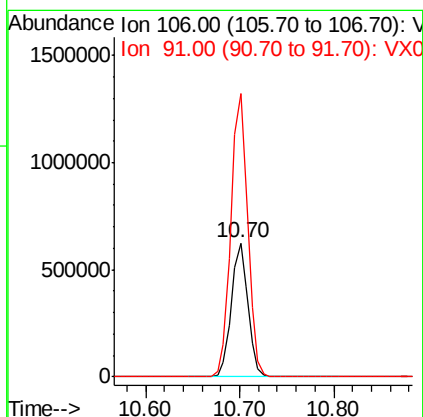
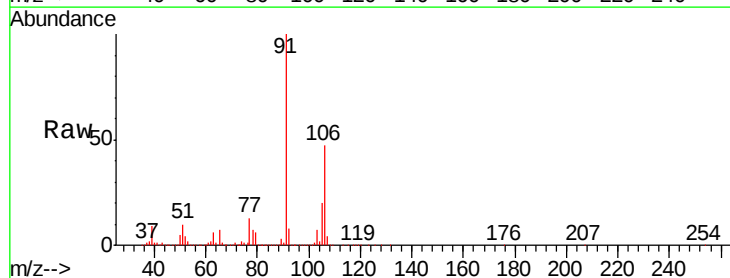
Instrument :
MSVOA_X
ClientSampleId :
SU-03-112118-A

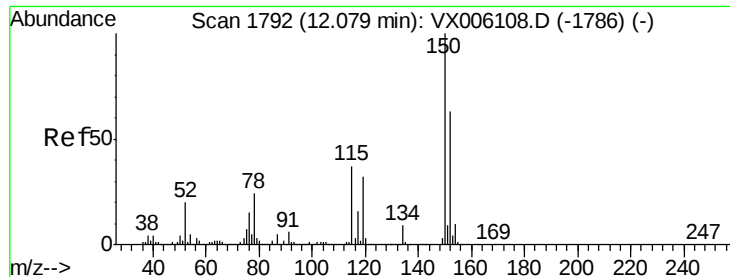
Tgt Ion:106 Resp: 1678150
Ion Ratio Lower Upper
106 100
91 201.7 162.0 243.0



#69
o-Xylene
Concen: 152.51 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006199.D
Acq: 27 Nov 2018 02:44

Tgt Ion:106 Resp: 763009
Ion Ratio Lower Upper
106 100
91 215.3 107.4 322.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

SU-03-112118-A

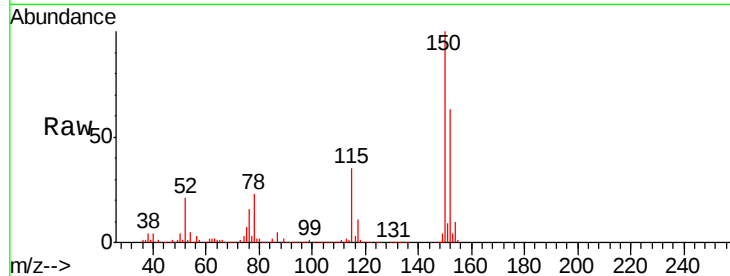
Tgt Ion:152 Resp: 204797

Ion Ratio Lower Upper

152 100

115 55.1 39.0 116.9

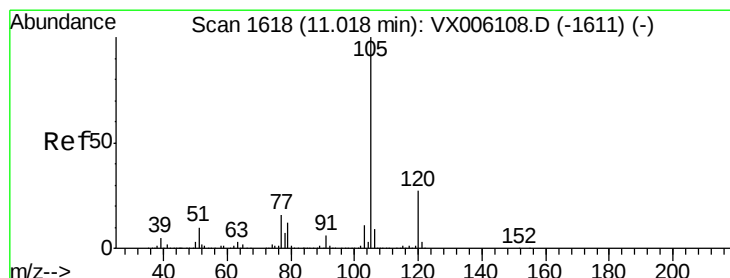
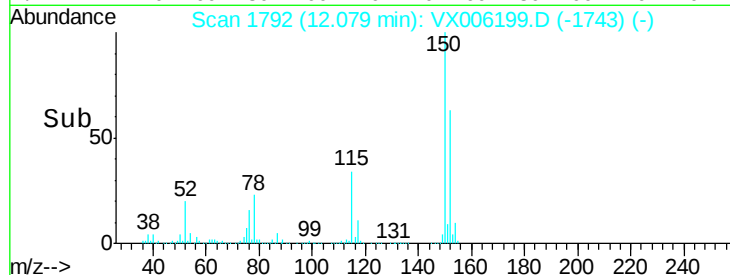
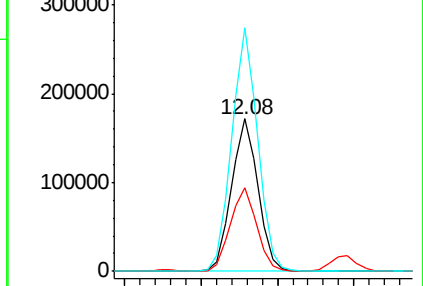
150 156.9 0.0 346.6



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: 6.06 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006199.D

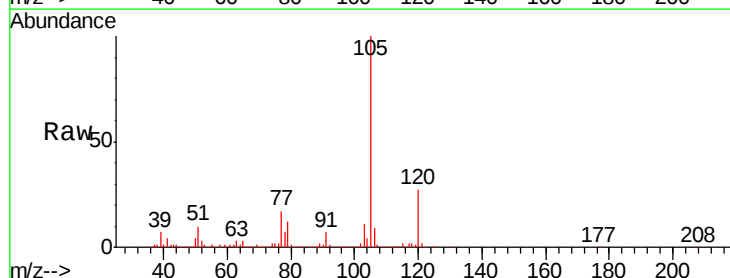
Acq: 27 Nov 2018 02:44

Tgt Ion:105 Resp: 75051

Ion Ratio Lower Upper

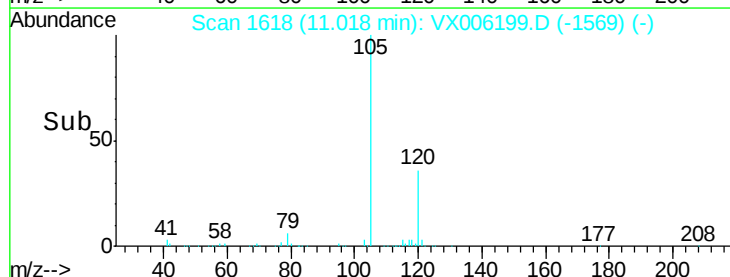
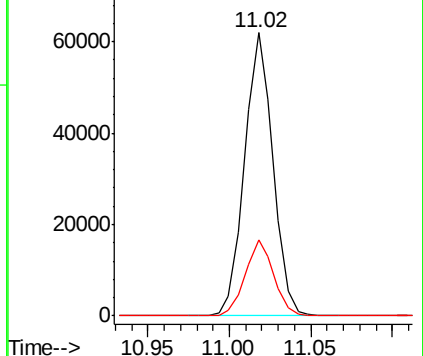
105 100

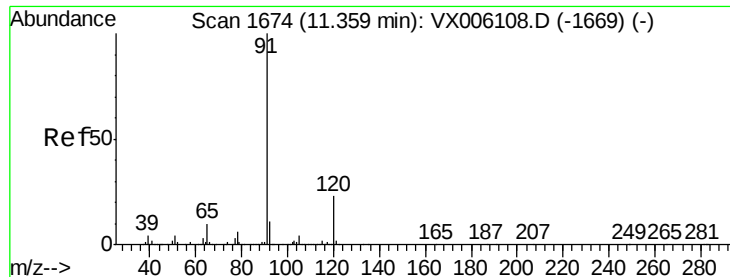
120 27.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 20.03 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

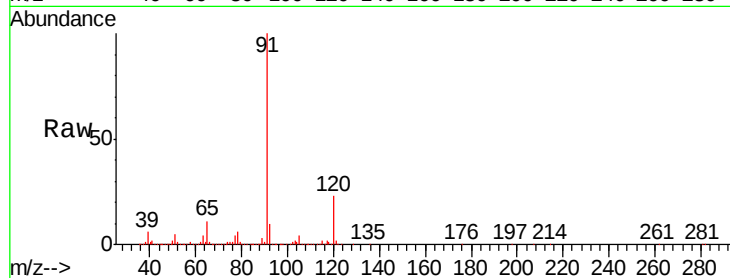
SU-03-112118-A

Tgt Ion: 91 Resp: 289023

Ion Ratio Lower Upper

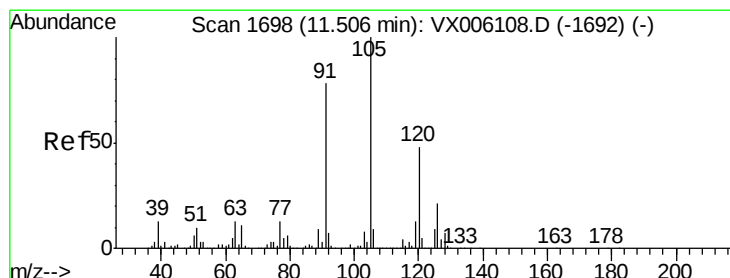
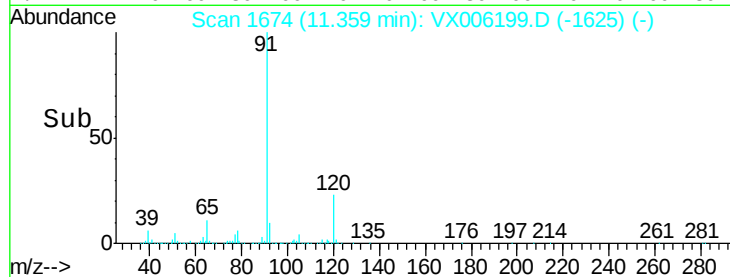
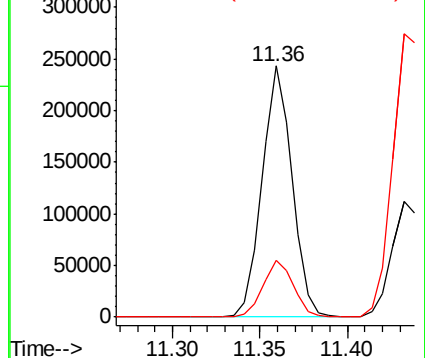
91 100

120 23.1 11.8 35.3



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: 44.54 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006199.D

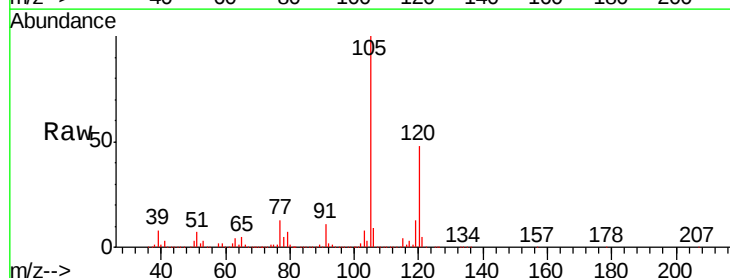
Acq: 27 Nov 2018 02:44

Tgt Ion: 105 Resp: 465352

Ion Ratio Lower Upper

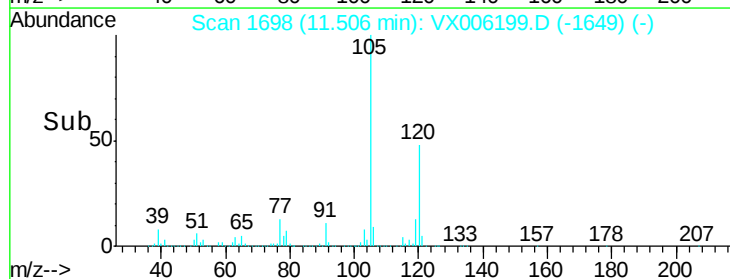
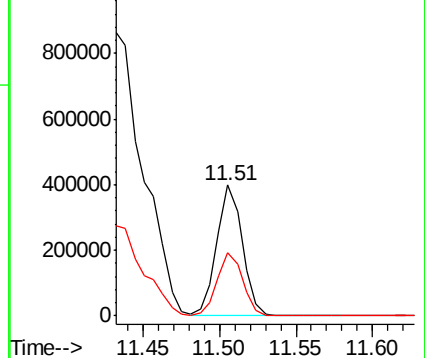
105 100

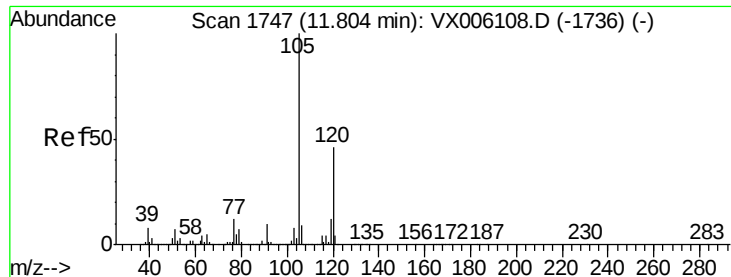
120 48.6 24.3 73.0



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: 162.10 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

Instrument :

MSVOA_X

ClientSampleId :

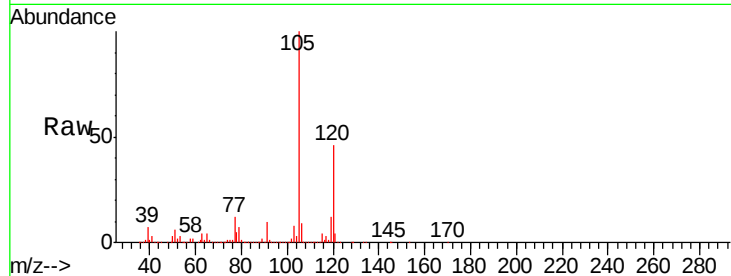
SU-03-112118-A

Tgt Ion:105 Resp: 1727470

Ion Ratio Lower Upper

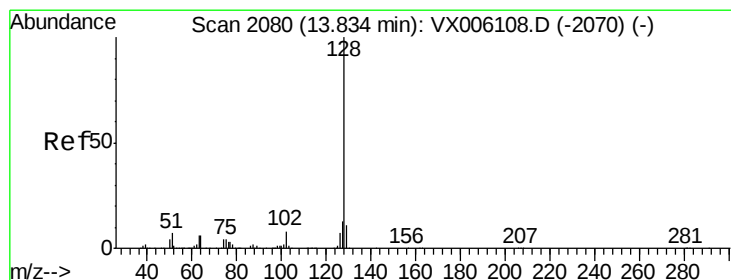
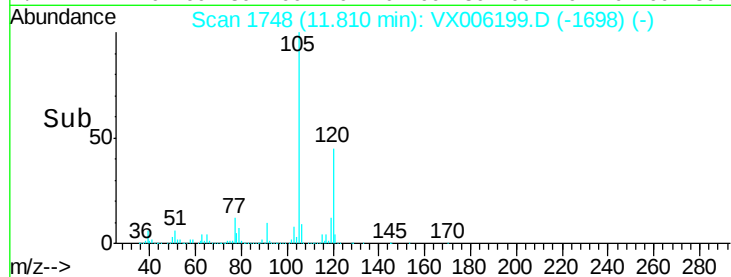
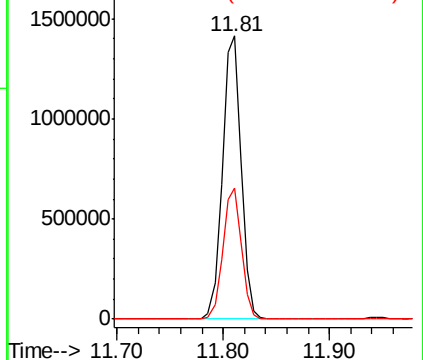
105 100

120 45.9 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 39.29 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006199.D

Acq: 27 Nov 2018 02:44

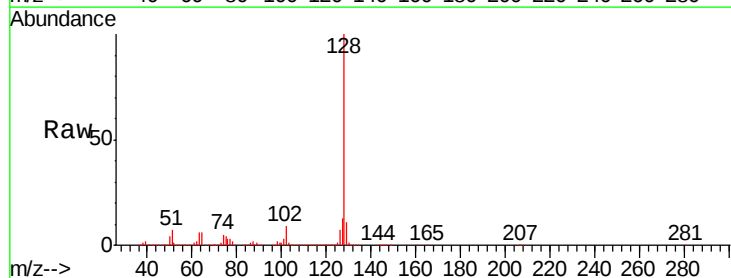
Tgt Ion:128 Resp: 532578

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 11.1 8.8 13.2



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

