

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002051.D
 Acq On : 27 May 2018 06:30
 Operator : JC/MD
 Sample : J2679-28
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EO-03-052418-B

Quant Time: May 29 06:56:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	2193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	1639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	927	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	35467	904.77	ug/l	0.00
Spiked Amount			Recovery	= 1809.54%		
35) Dibromofluoromethane	5.51	113	25229	1539.29	ug/l	0.00
Spiked Amount			Recovery	= 3078.58%		
50) Toluene-d8	8.72	98	80453	1355.85	ug/l	0.00
Spiked Amount			Recovery	= 2711.70%		
62) 4-Bromofluorobenzene	11.14	95	28446	1225.26	ug/l	0.00
Spiked Amount			Recovery	= 2450.52%		

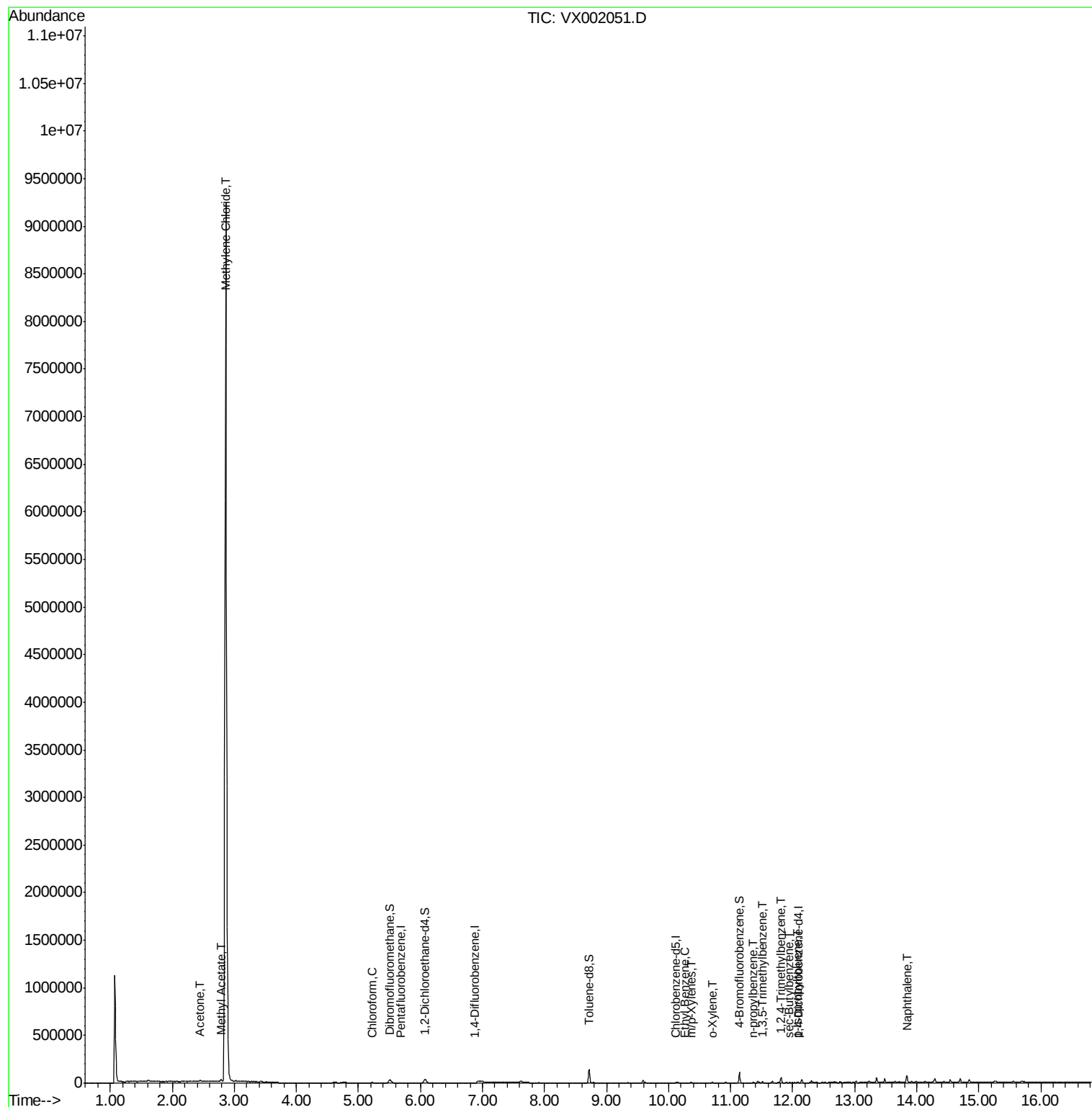
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	18304	1209.90	ug/l	94
18) Methyl Acetate	2.78	43	25572	716.84	ug/l	97
20) Methylene Chloride	2.86	84	4232574	167157.11	ug/l	96
30) Chloroform	5.22	83	3367	57.65	ug/l #	81
67) Ethyl Benzene	10.26	91	1324	18.06	ug/l	98
68) m/p-Xylenes	10.36	106	1450	51.73	ug/l	88
69) o-Xylene	10.70	106	1292	46.17	ug/l	100
78) n-propylbenzene	11.37	91	1973	22.44	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	4930	73.49	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	21084	304.13	ug/l	93
85) sec-Butylbenzene	11.94	105	1127	14.24	ug/l	87
86) p-Isopropyltoluene	12.07	119	1038	14.66	ug/l #	76
95) Naphthalene	13.84	128	46453	554.84	ug/l	99

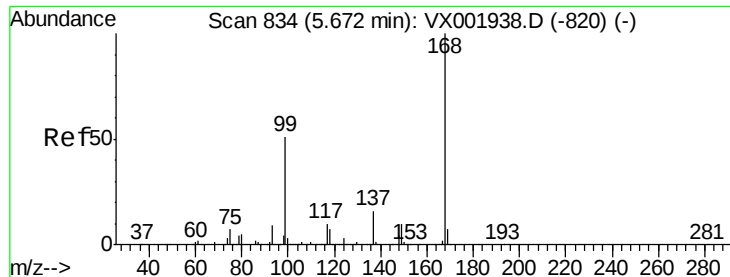
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

Instrument :

MSVOA_X

ClientSampleId :

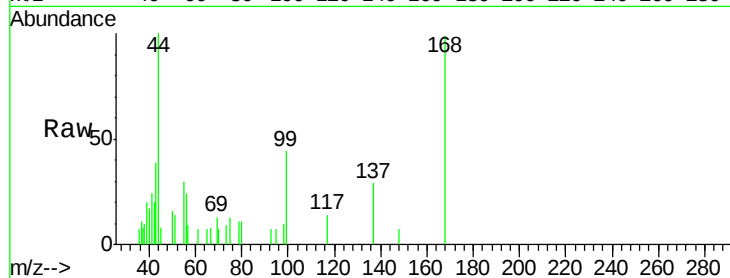
EO-03-052418-B

Tot Ion:168 Resp: 2193

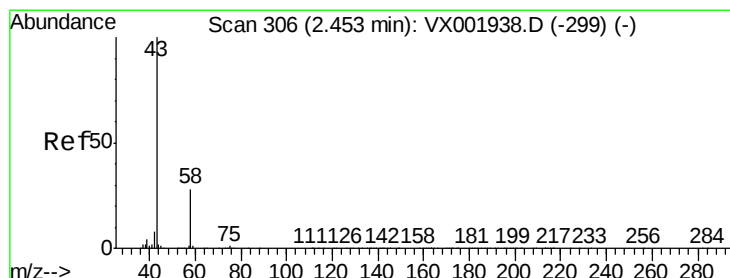
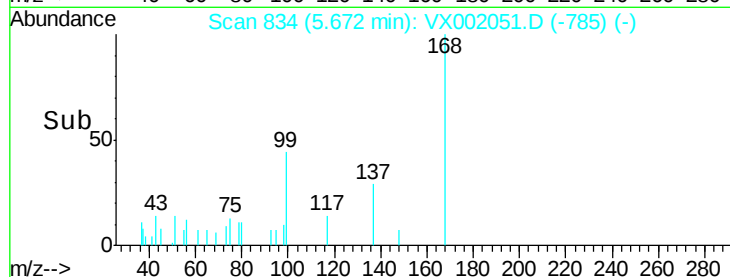
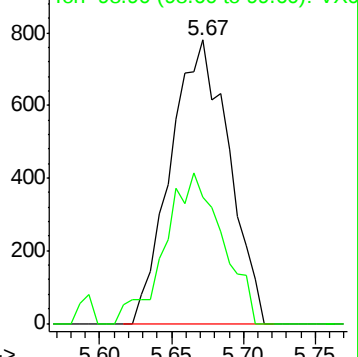
Ion Ratio Lower Upper

168 100

99 44.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 1209.90 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002051.D

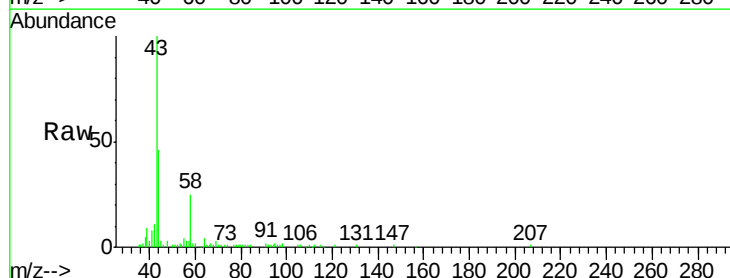
Acq: 27 May 2018 06:30

Tgt Ion: 43 Resp: 18304

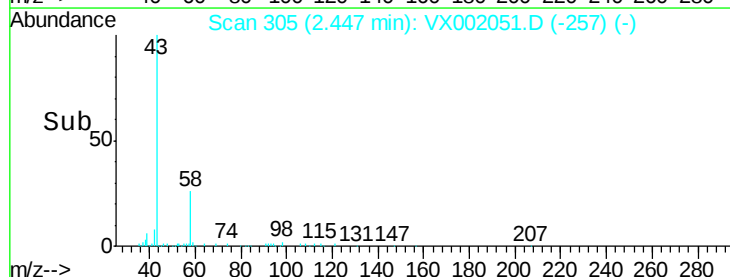
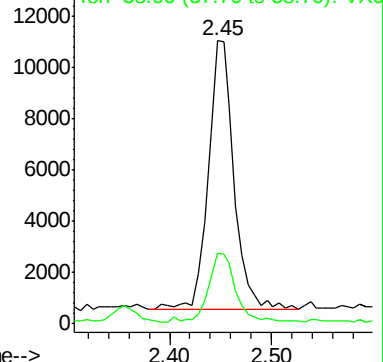
Ion Ratio Lower Upper

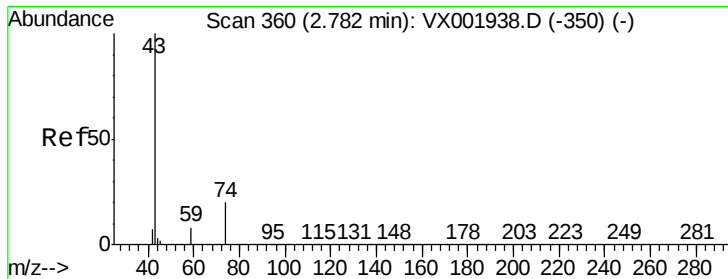
43 100

58 25.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

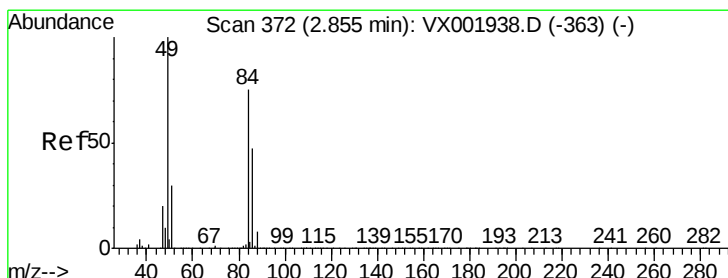
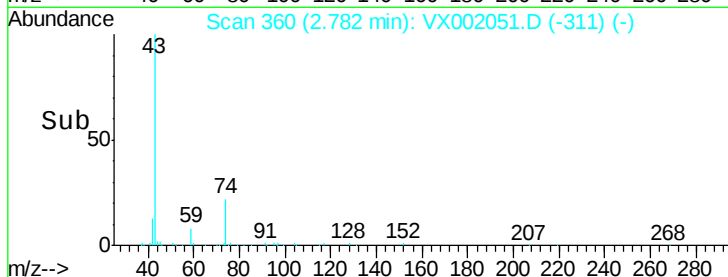
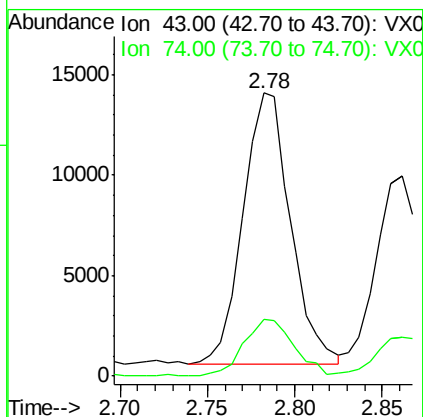
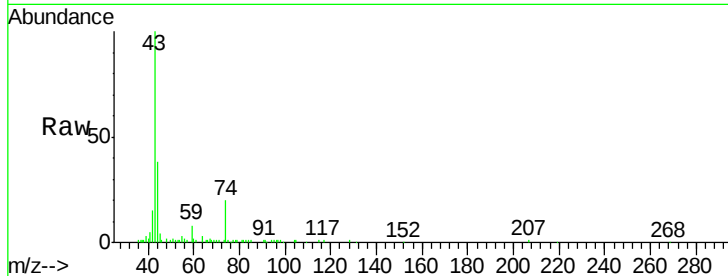




#18
Methvl Acetate
Concen: 716.84 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002051.D
Acq: 27 May 2018 06:30

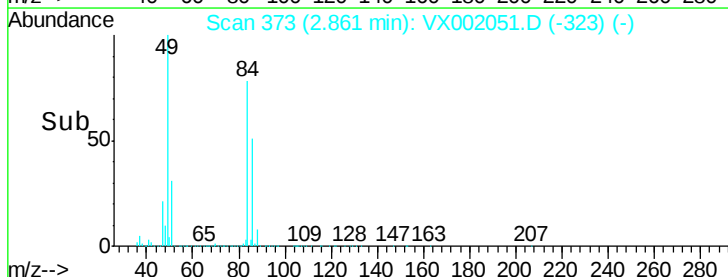
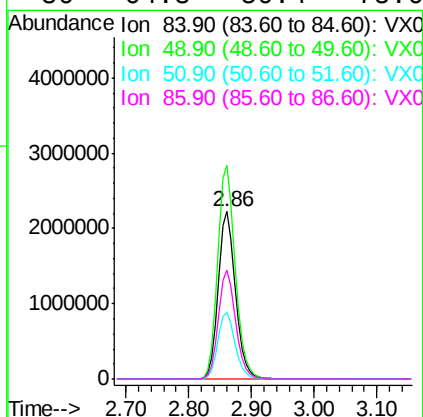
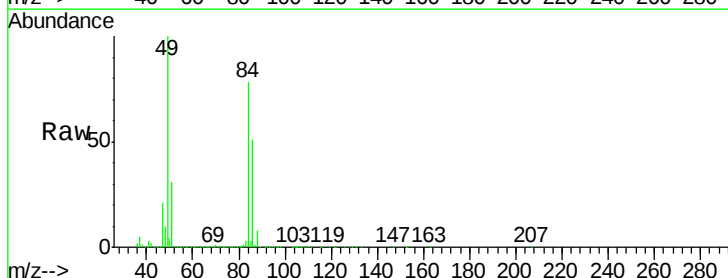
Instrument :
MSVOA_X
ClientSampleId :
EO-03-052418-B

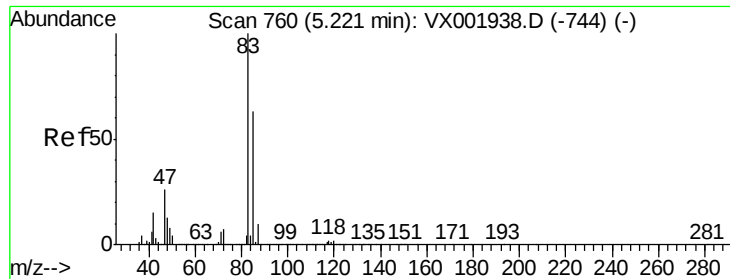
Tot Ion: 43 Resp: 25572
Ion Ratio Lower Upper
43 100
74 22.4 16.8 25.2



#20
Methylene Chloride
Concen: 167157.11 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002051.D
Acq: 27 May 2018 06:30

Tgt Ion: 84 Resp: 4232574
Ion Ratio Lower Upper
84 100
49 127.6 107.2 160.8
51 39.7 32.4 48.6
86 64.8 50.4 75.6





#30

Chloroform

Concen: 57.65 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

Instrument :

MSVOA_X

ClientSampleId :

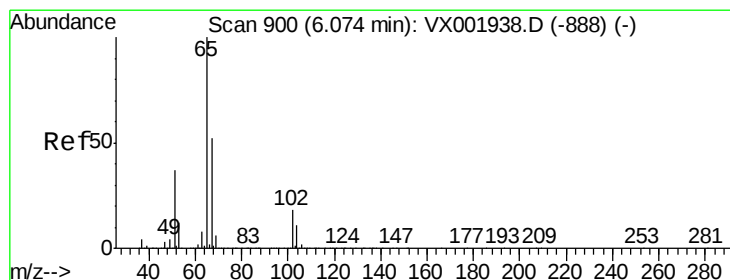
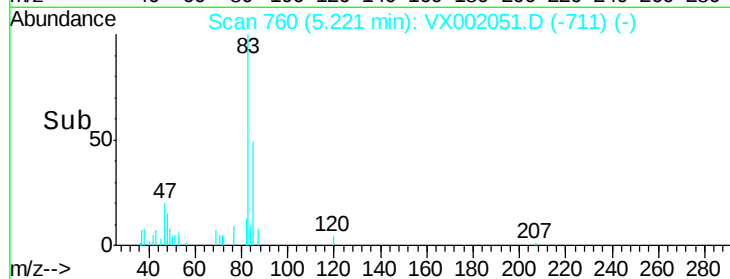
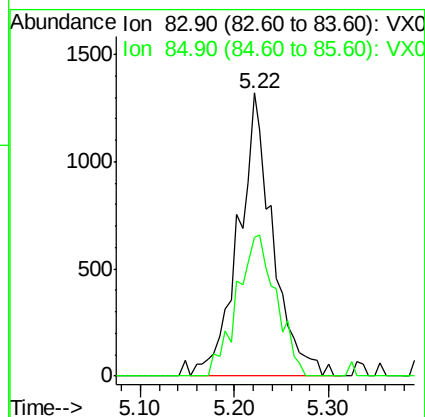
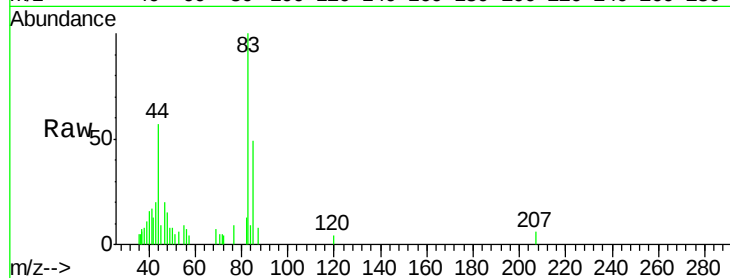
EO-03-052418-B

Tot Ion: 83 Resp: 3367

Ion Ratio Lower Upper

83 100

85 49.1 50.9 76.3#



#33

1,2-Dichloroethane-d4

Concen: 904.77 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002051.D

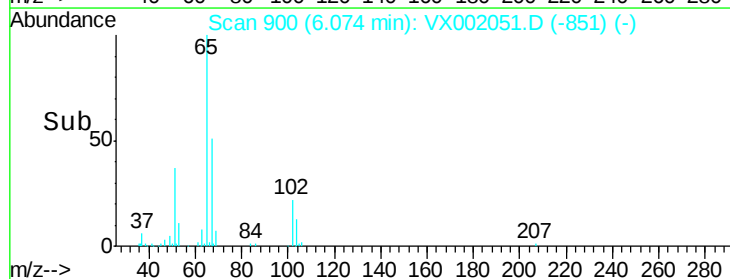
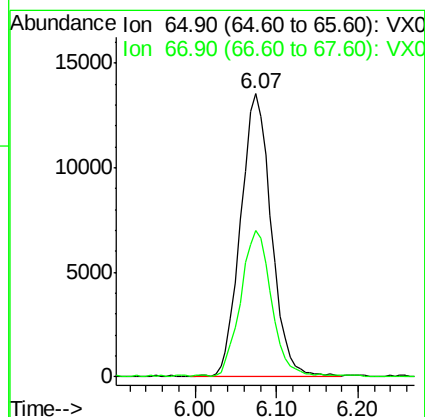
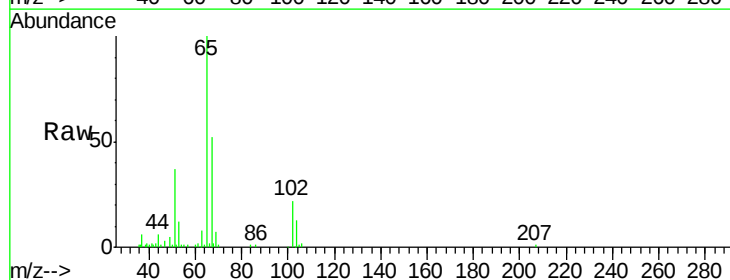
Acq: 27 May 2018 06:30

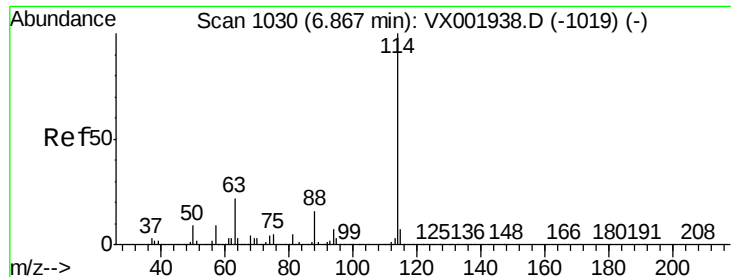
Tgt Ion: 65 Resp: 35467

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

Instrument :

MSVOA_X

ClientSampleId :

EO-03-052418-B

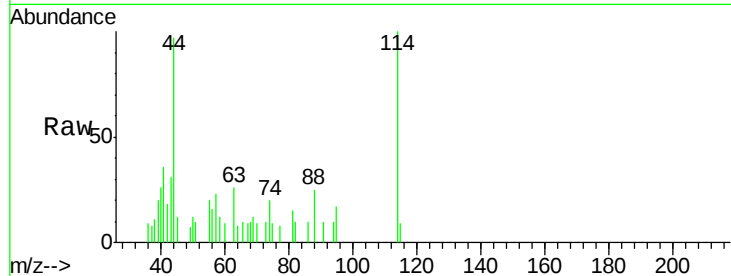
Tot Ion:114 Resp: 1639

Ion Ratio Lower Upper

114 100

63 26.0 0.0 43.2

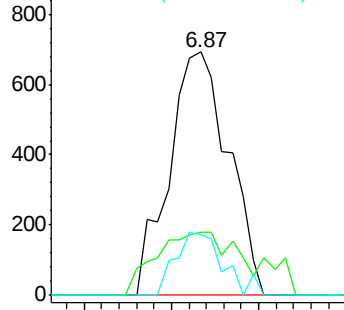
88 24.7 0.0 31.6



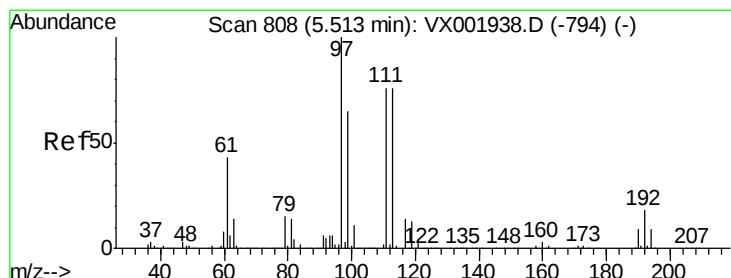
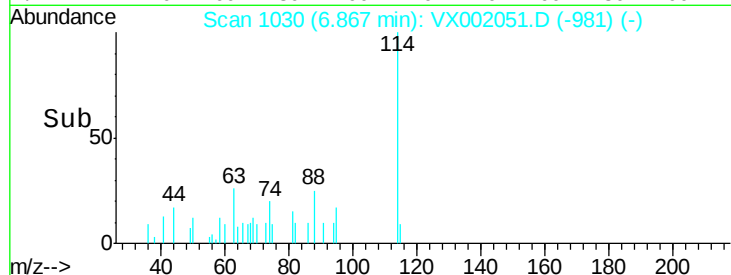
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->



#35

Dibromofluoromethane

Concen: 1539.29 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

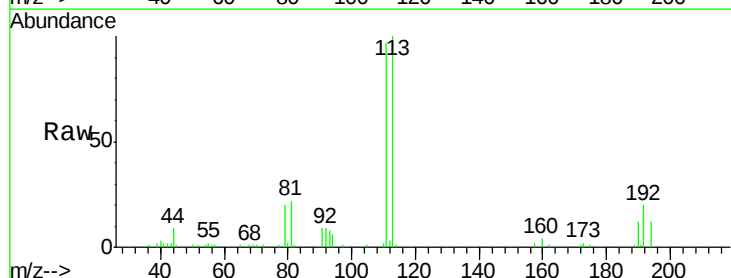
Tgt Ion:113 Resp: 25229

Ion Ratio Lower Upper

113 100

111 103.7 82.0 123.0

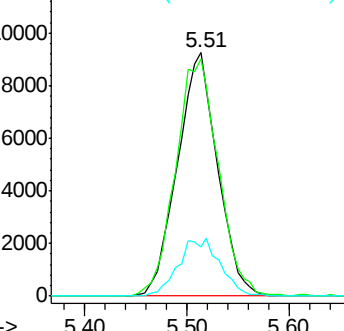
192 24.6 18.9 28.3



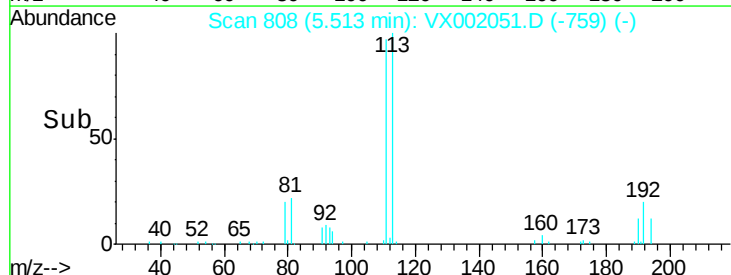
Abundance Ion 112.80 (112.50 to 113.50): V

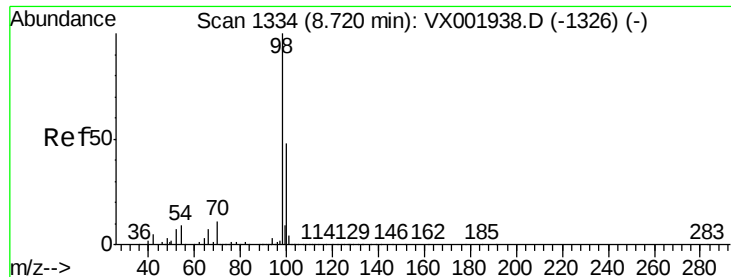
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->





#50

Toluene-d8

Concen: 1355.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

Instrument :

MSVOA_X

ClientSampleId :

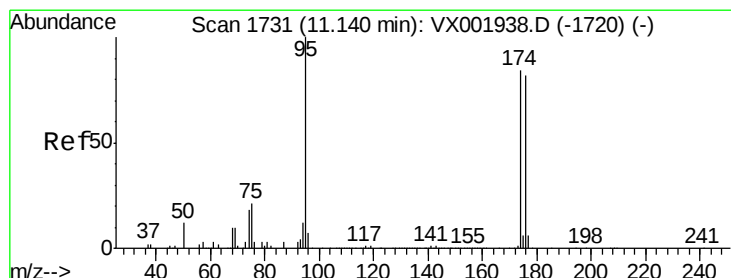
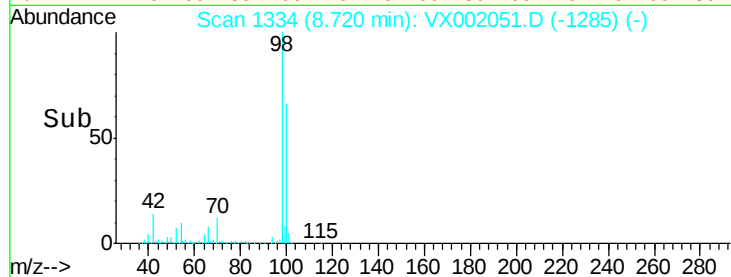
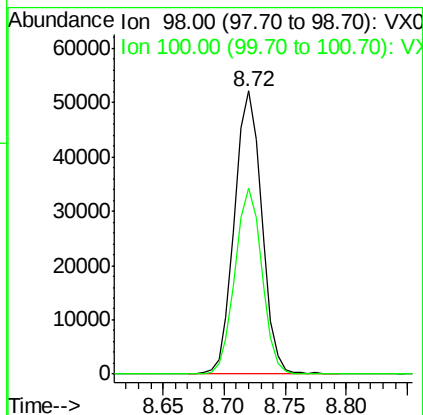
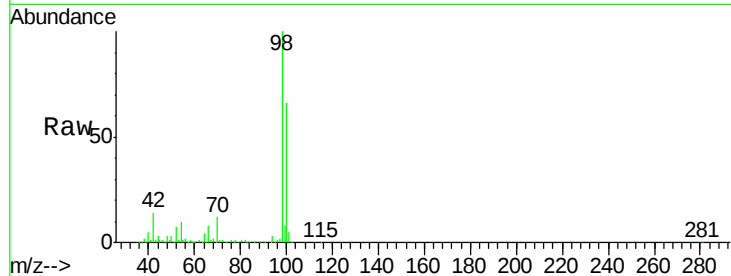
EO-03-052418-B

Tot Ion: 98 Resp: 80453

Ion Ratio Lower Upper

98 100

100 64.8 51.5 77.3



#62

4-Bromofluorobenzene

Concen: 1225.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

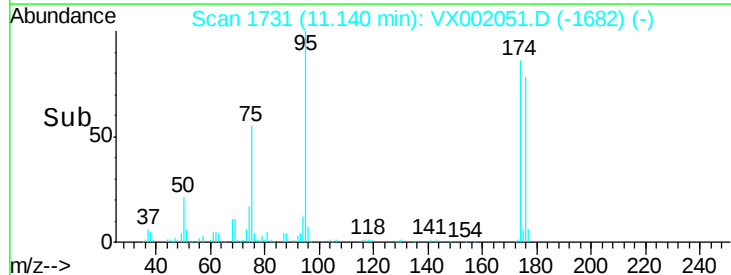
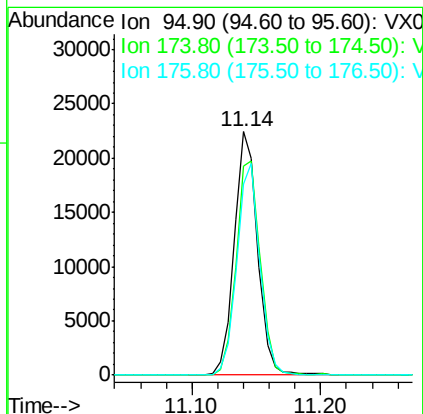
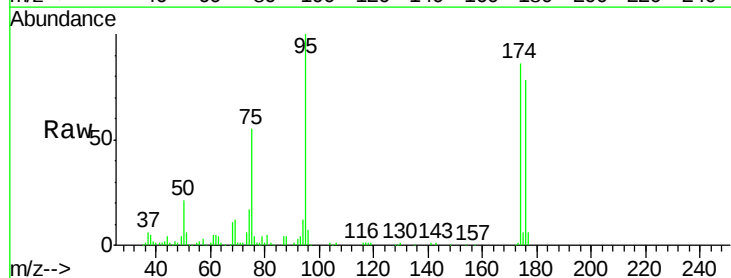
Tgt Ion: 95 Resp: 28446

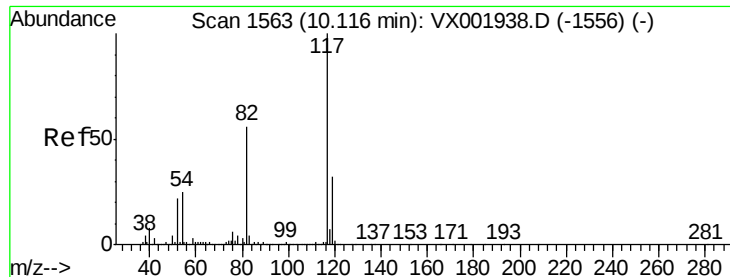
Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.8

176 85.1 0.0 175.6

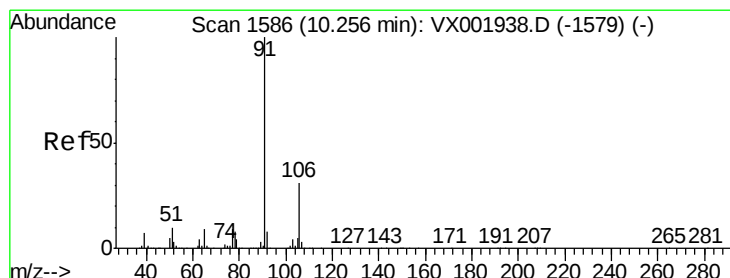
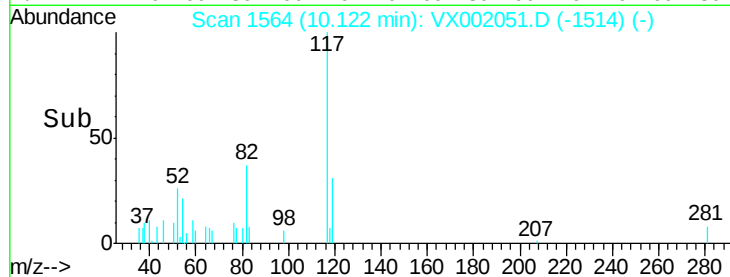
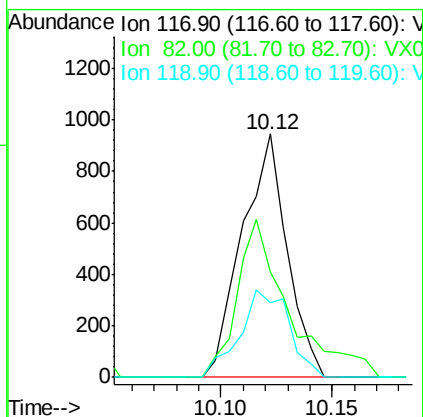
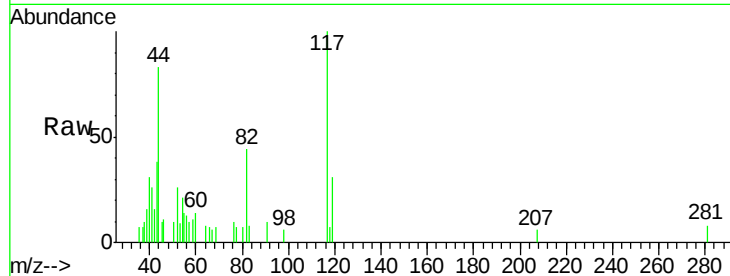




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX002051.D
Acq: 27 May 2018 06:30

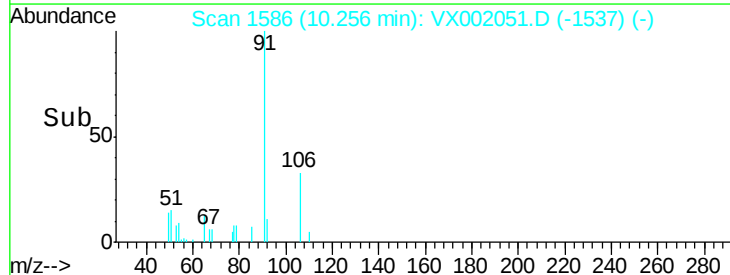
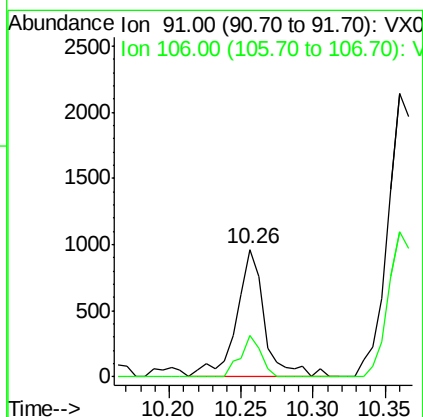
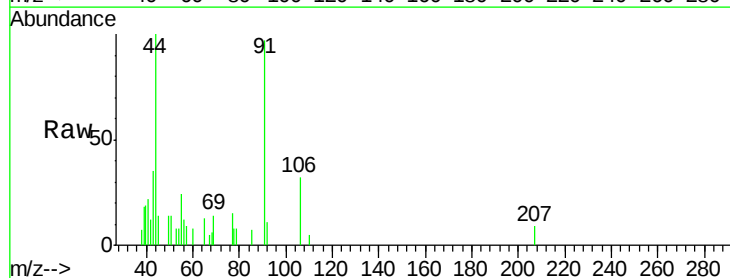
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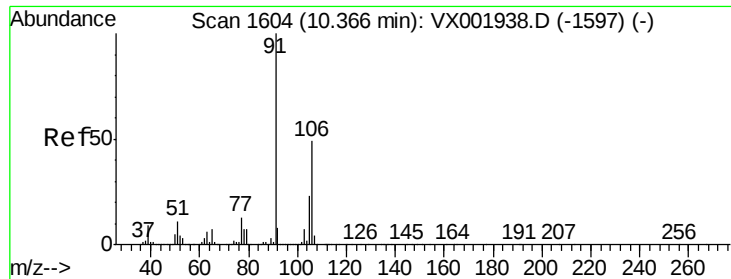
Tot Ion:117 Resp: 1332
Ion Ratio Lower Upper
117 100
82 43.6 44.8 67.2#
119 30.9 25.5 38.3



#67
Ethyl Benzene
Concen: 18.06 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002051.D
Acq: 27 May 2018 06:30

Tgt Ion: 91 Resp: 1324
Ion Ratio Lower Upper
91 100
106 32.7 25.0 37.6





#68

m/p-Xylenes

Concen: 51.73 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

Instrument :

MSVOA_X

ClientSampleId :

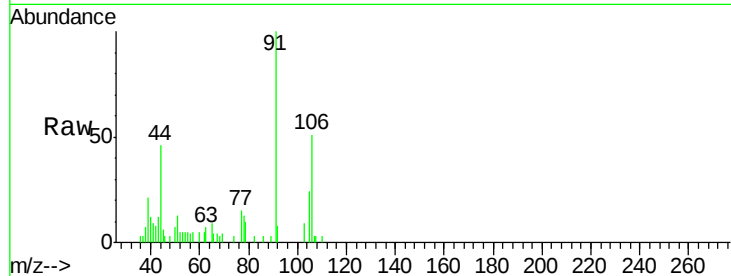
EO-03-052418-B

Tot Ion:106 Resp: 1450

Ion Ratio Lower Upper

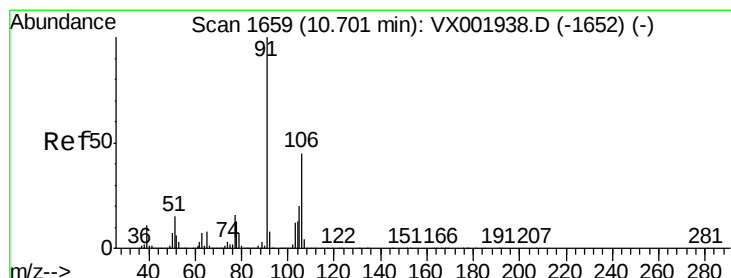
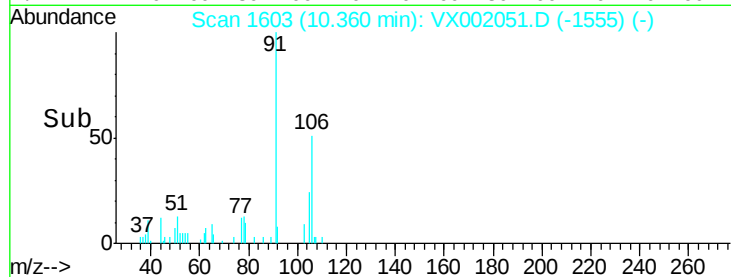
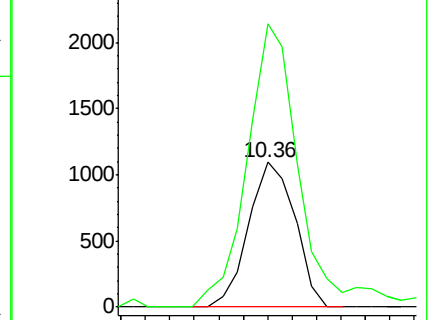
106 100

91 224.7 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 46.17 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX002051.D

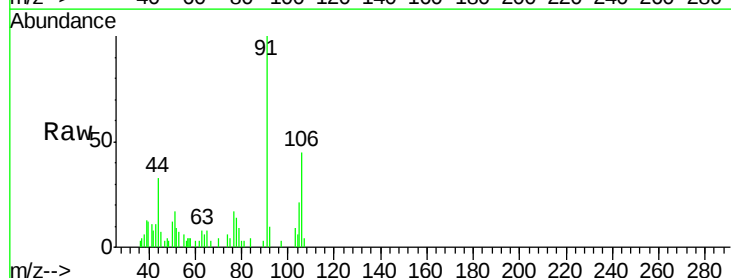
Acq: 27 May 2018 06:30

Tgt Ion:106 Resp: 1292

Ion Ratio Lower Upper

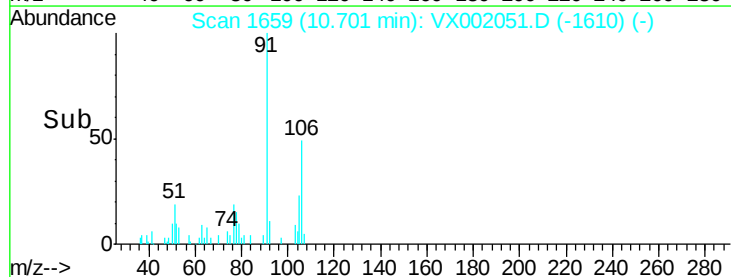
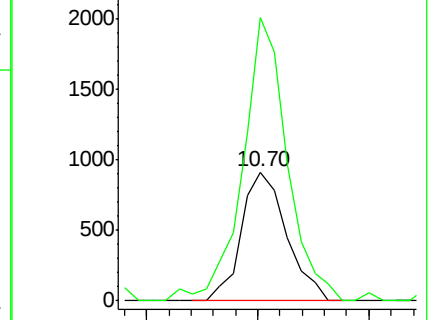
106 100

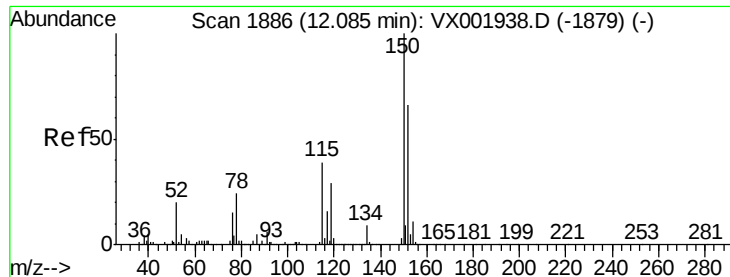
91 216.9 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

Instrument :

MSVOA_X

ClientSampleId :

EO-03-052418-B

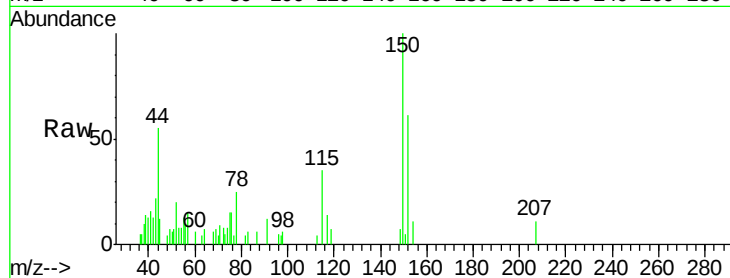
Tot Ion:152 Resp: 927

Ion Ratio Lower Upper

152 100

115 78.0 42.3 126.8

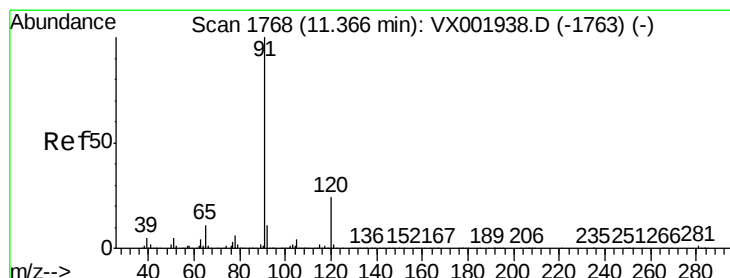
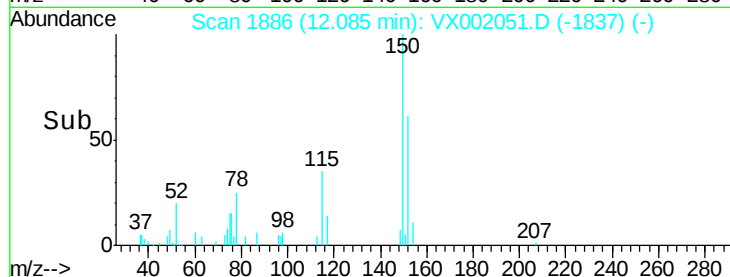
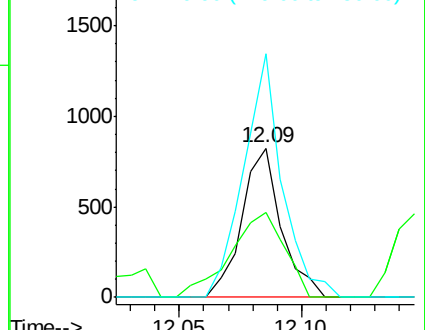
150 160.0 0.0 351.0



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



#78

n-propylbenzene

Concen: 22.44 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002051.D

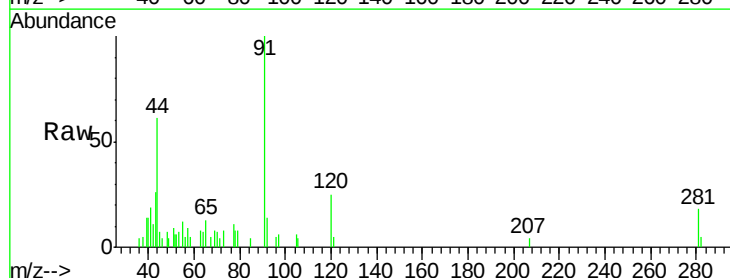
Acq: 27 May 2018 06:30

Tgt Ion: 91 Resp: 1973

Ion Ratio Lower Upper

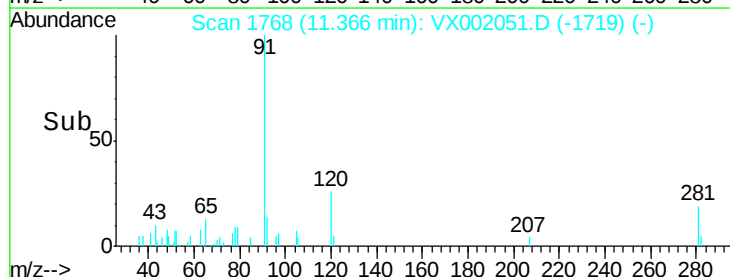
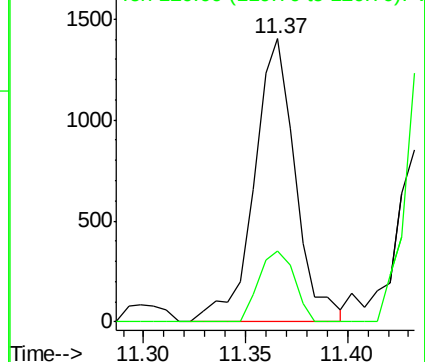
91 100

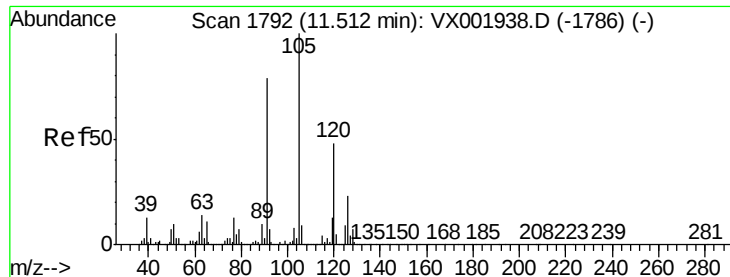
120 21.6 11.9 35.7



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: 73.49 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

Instrument :

MSVOA_X

ClientSampleId :

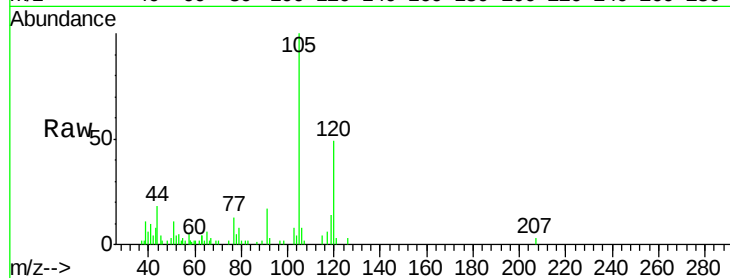
EO-03-052418-B

Tot Ion:105 Resp: 4930

Ion Ratio Lower Upper

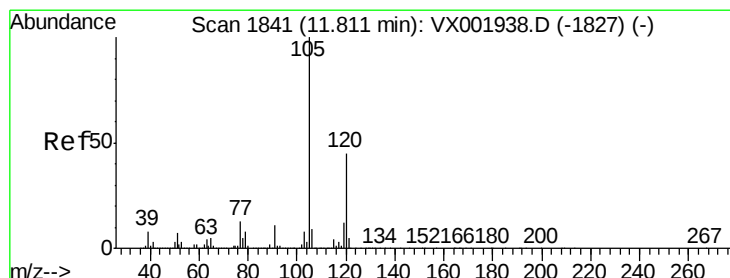
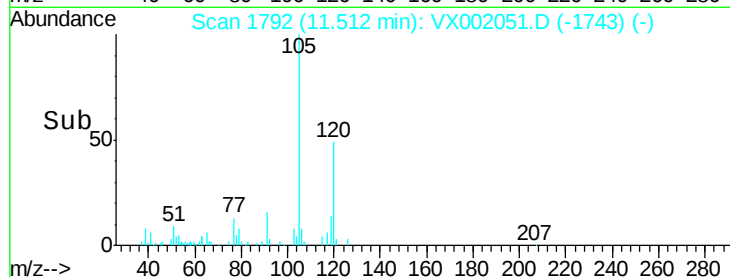
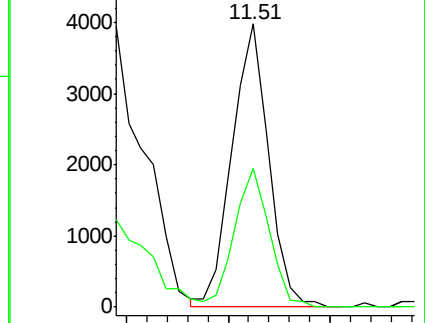
105 100

120 46.6 24.1 72.4



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: 304.13 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002051.D

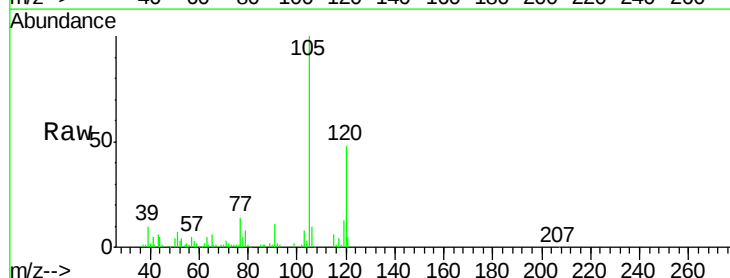
Acq: 27 May 2018 06:30

Tgt Ion:105 Resp: 21084

Ion Ratio Lower Upper

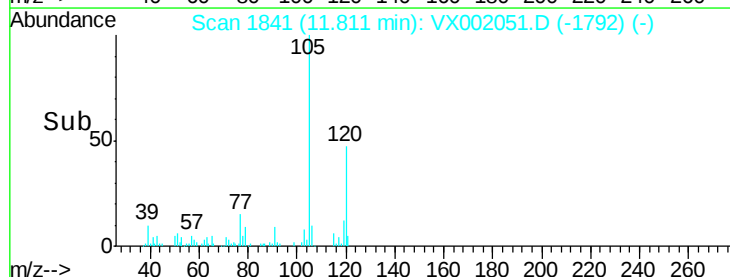
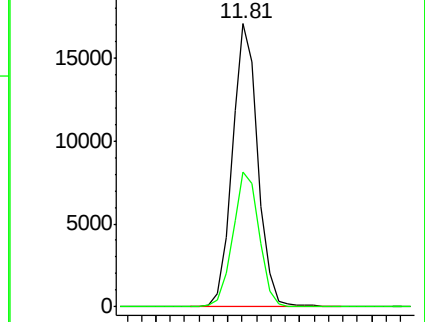
105 100

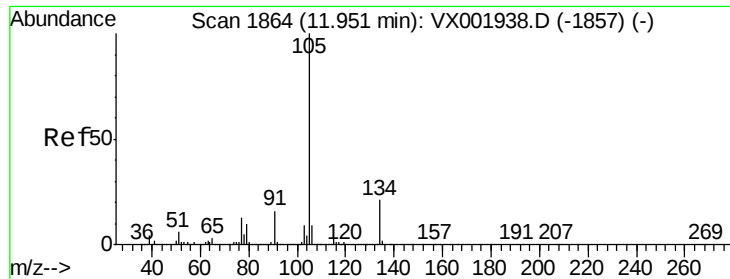
120 49.1 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 14.24 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

Instrument :

MSVOA_X

ClientSampleId :

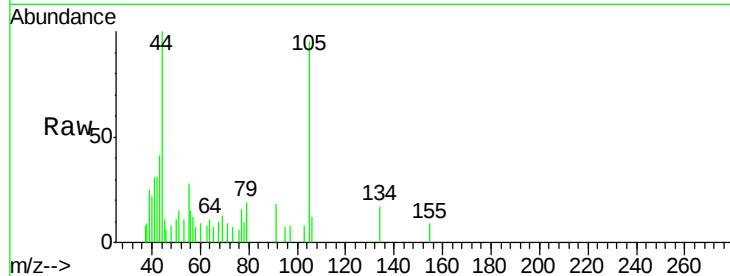
EO-03-052418-B

Tot Ion:105 Resp: 1127

Ion Ratio Lower Upper

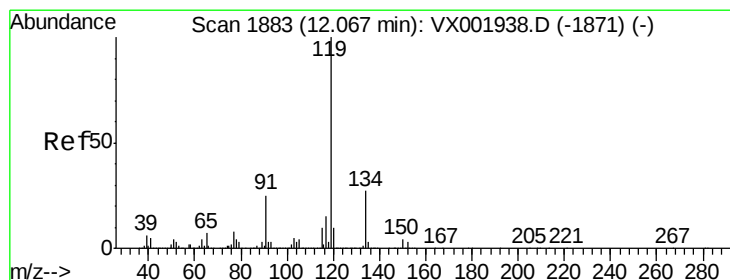
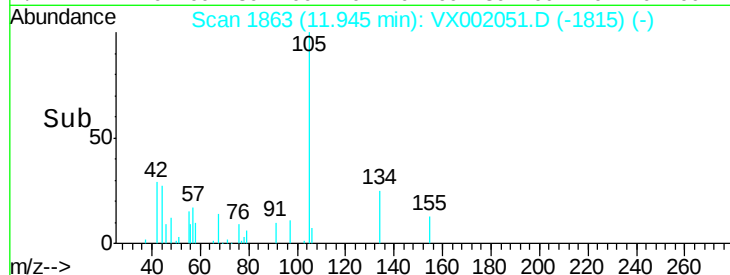
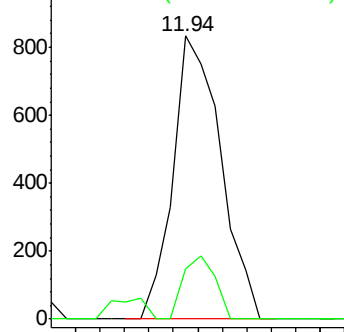
105 100

134 14.9 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 14.66 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

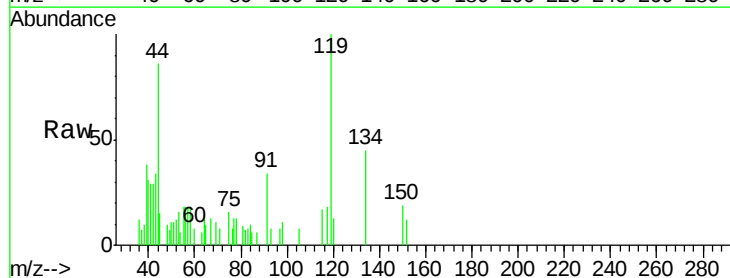
Tgt Ion:119 Resp: 1038

Ion Ratio Lower Upper

119 100

134 32.1 13.6 40.8

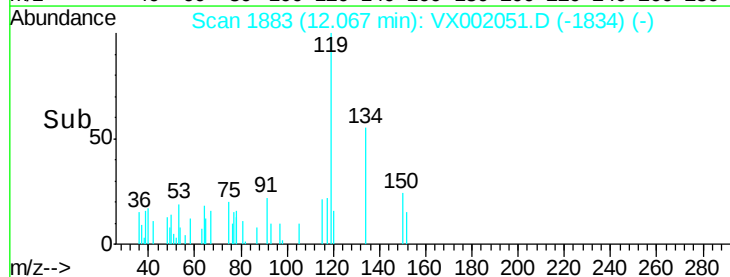
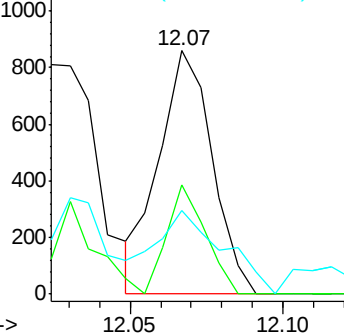
91 44.2 12.2 36.4#

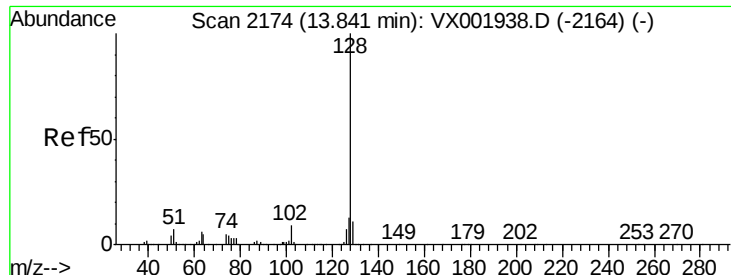


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#95

Naphthalene

Concen: 554.84 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002051.D

Acq: 27 May 2018 06:30

Instrument :

MSVOA_X

ClientSampleId :

EO-03-052418-B

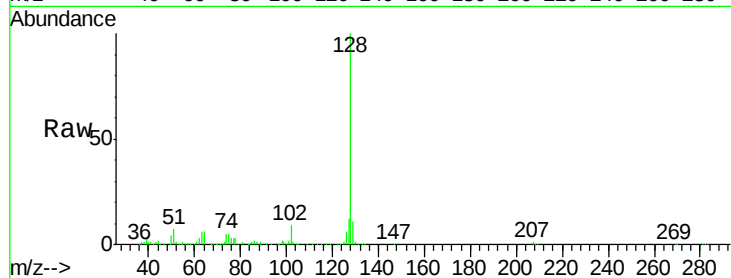
Tot Ion:128 Resp: 46453

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 11.2 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

