

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002052.D
 Acq On : 27 May 2018 06:57
 Operator : JC/MD
 Sample : J2679-30
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 EO-03-052418-C

Manual Integrations
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MMDadoda
 5/30/2018 1:50:15 PM

Quant Time: May 29 06:58:36 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	5.68	168	1940m	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	1778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	842	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	32639	941.22	ug/l	0.00
Spiked Amount 50.000			Recovery	= 1882.44%		
35) Dibromofluoromethane	5.51	113	23565	1325.36	ug/l	0.00
Spiked Amount 50.000			Recovery	= 2650.72%		
50) Toluene-d8	8.72	98	68097	1057.90	ug/l	0.00
Spiked Amount 50.000			Recovery	= 2115.80%		
62) 4-Bromofluorobenzene	11.14	95	23285	924.55	ug/l	0.00
Spiked Amount 50.000			Recovery	= 1849.10%		
Target Compounds						Qvalue
16) Acetone	2.45	43	18504	1382.64	ug/l	99
18) Methyl Acetate	2.78	43	27094	858.78	ug/l	95
20) Methylene Chloride	2.86	84	94202	4203.82	ug/l	96
30) Chloroform	5.21	83	3663	70.89	ug/l	96
47) Bromodichloromethane	7.90	83	960	34.56	ug/l #	96
52) Toluene	8.79	92	672	14.57	ug/l	85
60) Dibromochloromethane	9.59	129	237	10.39	ug/l	89
67) Ethyl Benzene	10.26	91	2273	38.63	ug/l	91
68) m/p-Xylenes	10.36	106	2491	110.74	ug/l	97
69) o-Xylene	10.70	106	1981	88.20	ug/l	96
70) Styrene	10.72	104	383	10.28	ug/l #	1
73) Isopropylbenzene	11.02	105	1187	16.65	ug/l	100
78) n-propylbenzene	11.37	91	2631	32.95	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	5823	95.56	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	26066	413.95	ug/l	98
85) sec-Butylbenzene	11.95	105	1120	15.58	ug/l	80
86) p-Isopropyltoluene	12.07	119	1253	19.48	ug/l #	80
88) 1,4-Dichlorobenzene	12.10	146	282	8.33	ug/l	90
89) n-Butylbenzene	12.39	91	1744	32.00	ug/l #	36
91) 1,2-Dichlorobenzene	12.40	146	359	10.40	ug/l	76
93) 1,2,4-Trichlorobenzene	13.65	180	357	14.46	ug/l #	42
95) Naphthalene	13.84	128	107793	1417.46	ug/l	99

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

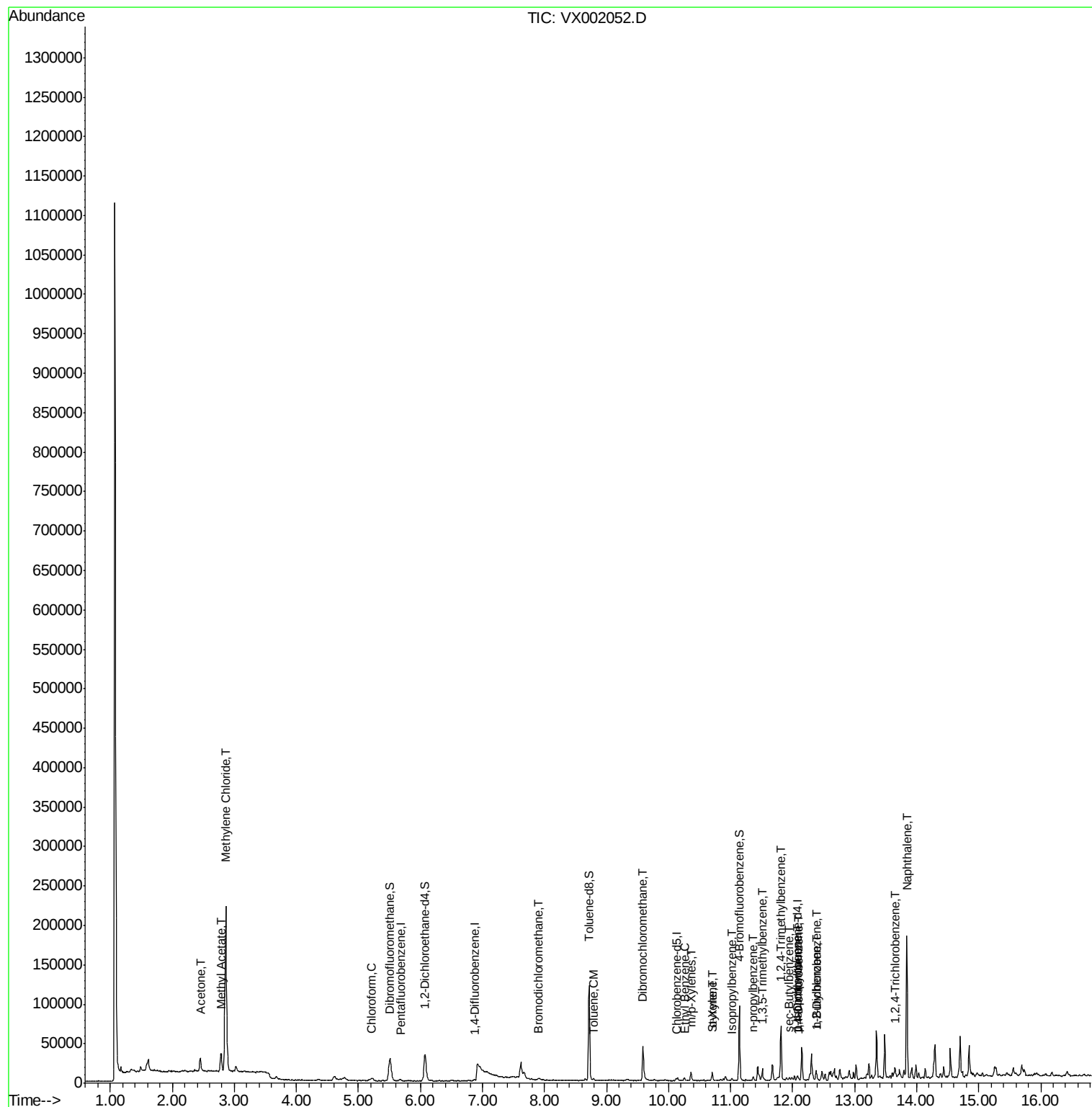
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
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ALS Vial : 41 Sample Multiplier: 1

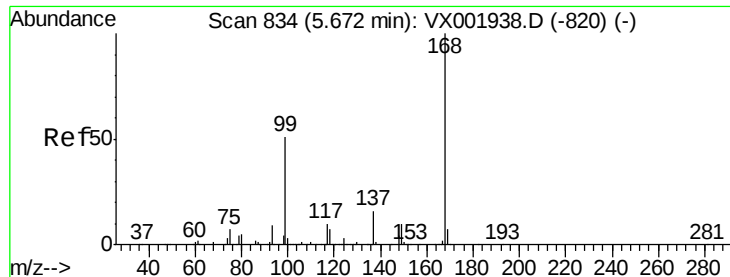
Instrument :
MSVOA_X
ClientSampleId :
EO-03-052418-C

Manual Integrations
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Quant Time: May 29 06:58:36 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l m

RT: 5.68 min Scan# 836

Delta R.T. 0.01 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

Instrument :

MSVOA_X

ClientSampleId :

EO-03-052418-C

Tot Ion:168 Resp: 1940

Ion Ratio Lower Upper

168 100

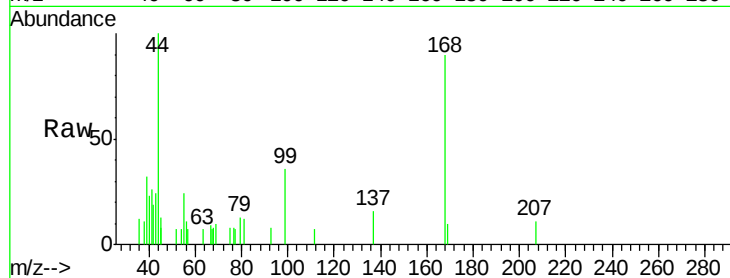
99 39.5 41.0 61.4#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

600

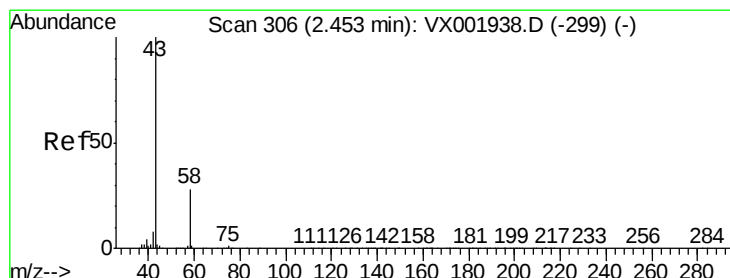
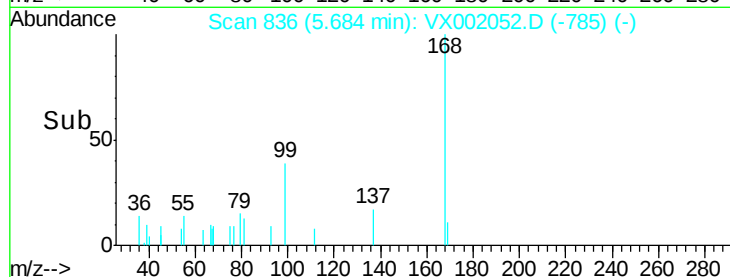
400

200

0

5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 1382.64 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002052.D

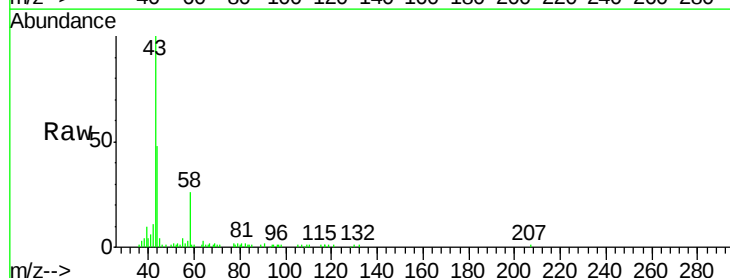
Acq: 27 May 2018 06:57

Tgt Ion: 43 Resp: 18504

Ion Ratio Lower Upper

43 100

58 27.2 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

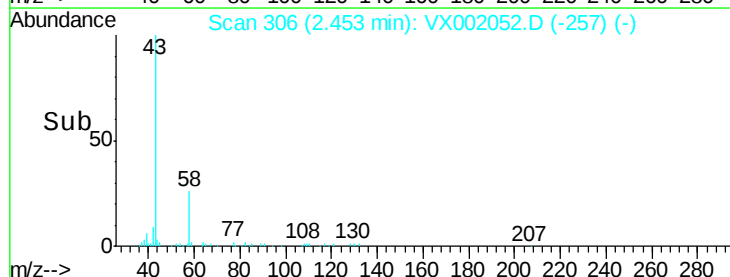
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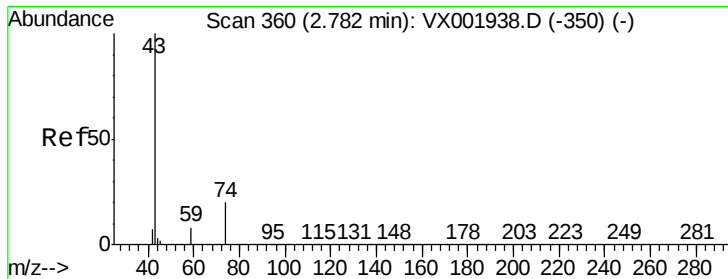
5000

0

2.40 2.45 2.50

Time-->





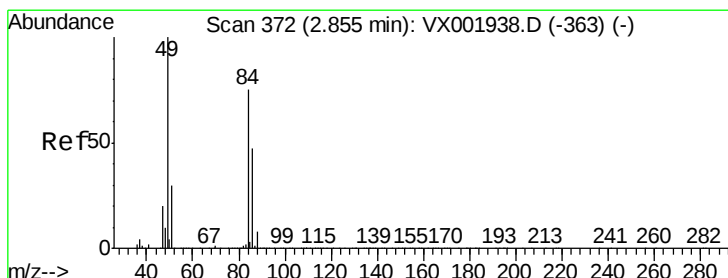
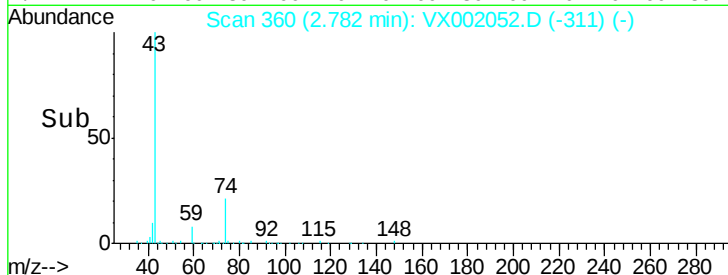
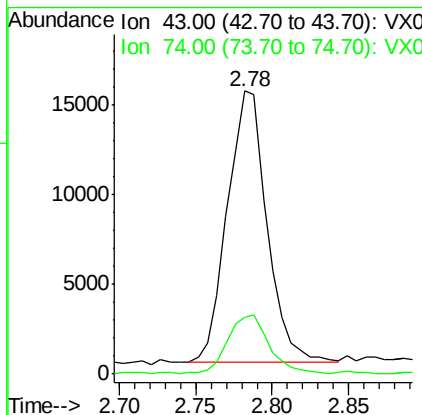
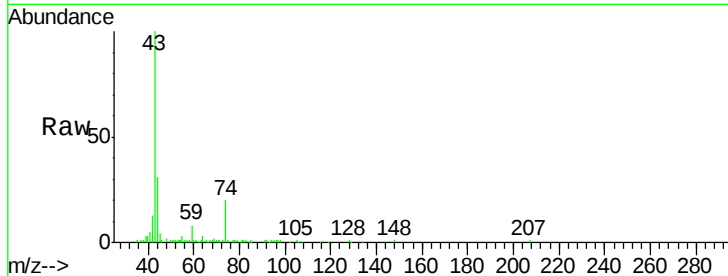
#18
Methvl Acetate
Concen: 858.78 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002052.D
Acq: 27 May 2018 06:57

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

Tot Ion	43	Resp	27094
Ion Ratio	100	Lower	Upper
43	100		
74	23.2	16.8	25.2

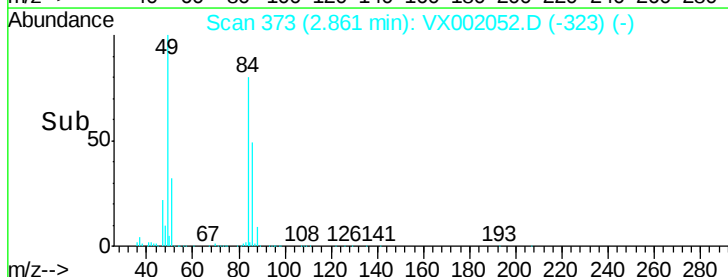
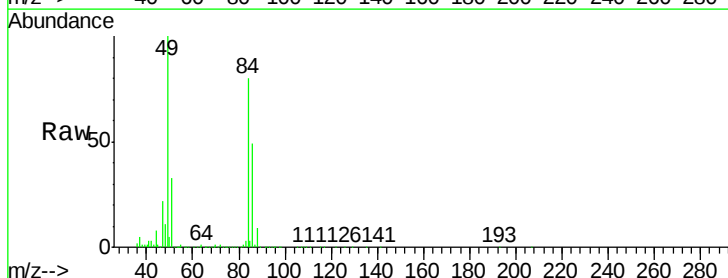
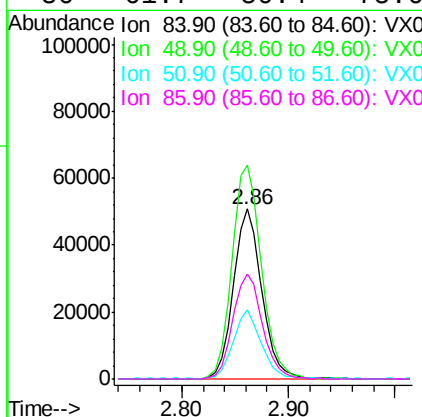
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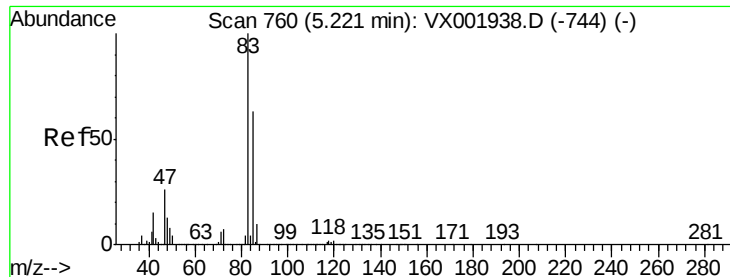
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#20
Methylene Chloride
Concen: 4203.82 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002052.D
Acq: 27 May 2018 06:57

Tgt Ion	84	Resp	94202
Ion Ratio	100	Lower	Upper
84	100		
49	125.5	107.2	160.8
51	40.6	32.4	48.6
86	61.7	50.4	75.6





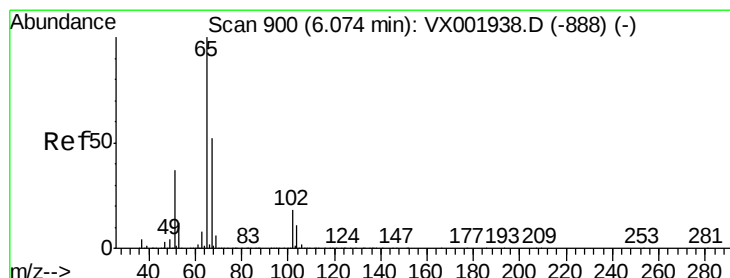
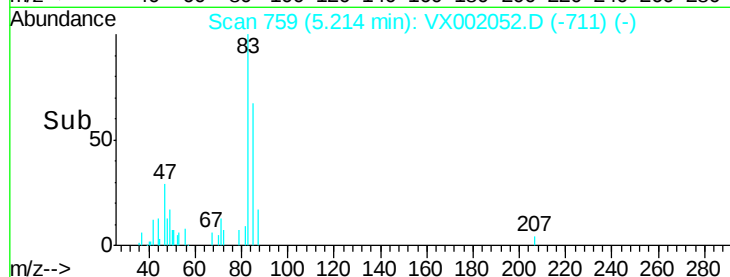
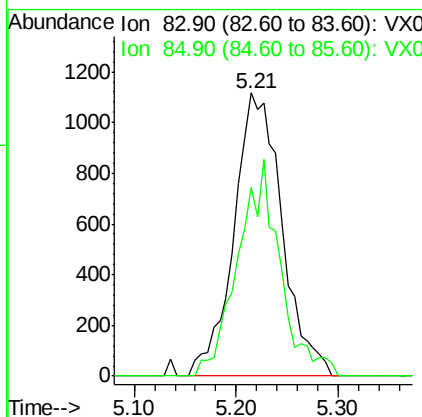
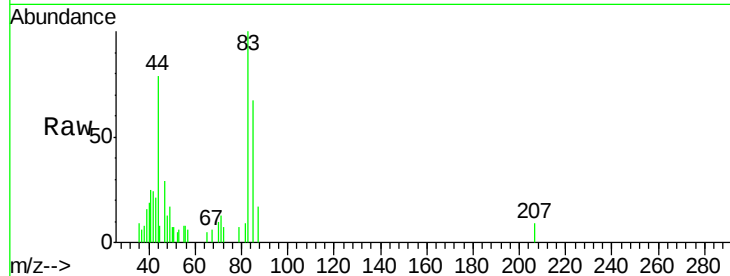
#30
Chloroform
Concen: 70.89 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002052.D
Acq: 27 May 2018 06:57

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

Tot Ion	83	Resp	3663
Ion Ratio	100	Lower	Upper
85	66.8	50.9	76.3

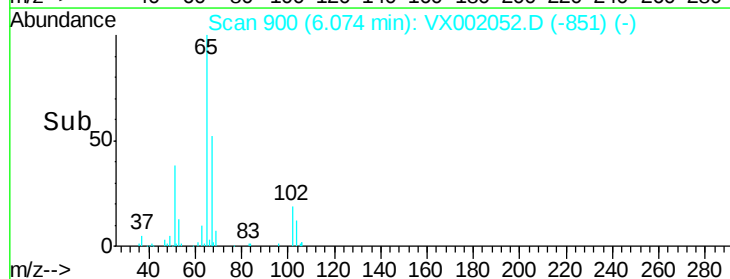
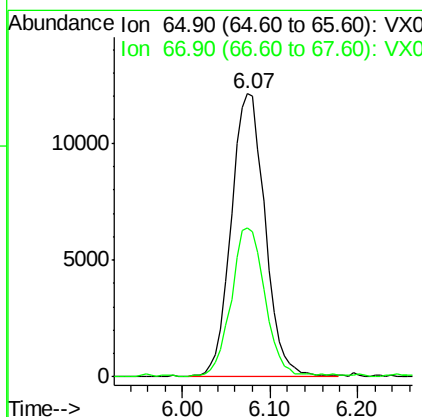
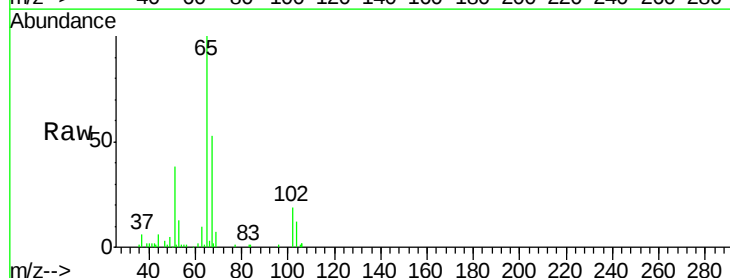
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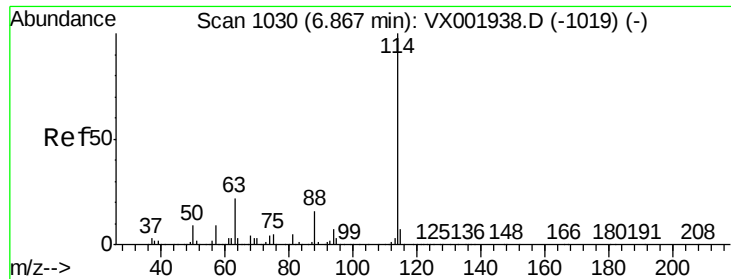
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#33
1,2-Dichloroethane-d4
Concen: 941.22 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002052.D
Acq: 27 May 2018 06:57

Tgt Ion	65	Resp	32639
Ion Ratio	100	Lower	Upper
67	52.7	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: VX002052.D

Acq: 27 May 2018 06:57

Instrument :

MSVOA_X

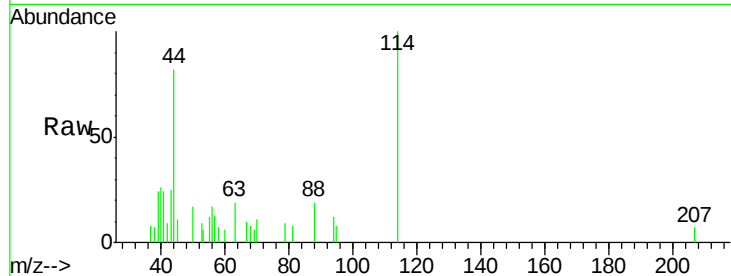
ClientSampleId :

EO-03-052418-C

Tot Ion:	114	Resp:	1778
Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	43.2
88	19.1	0.0	31.6

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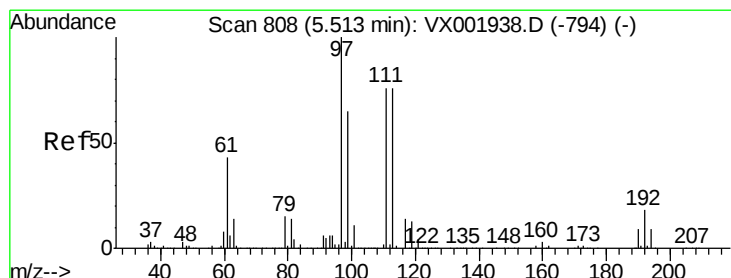
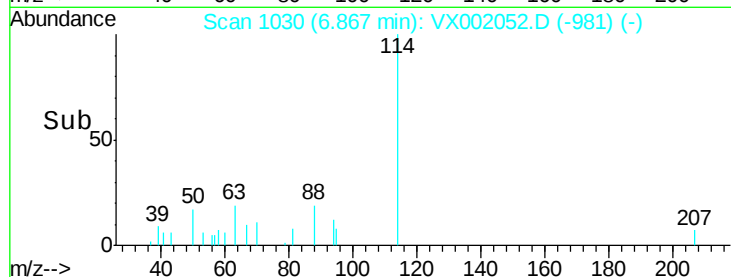
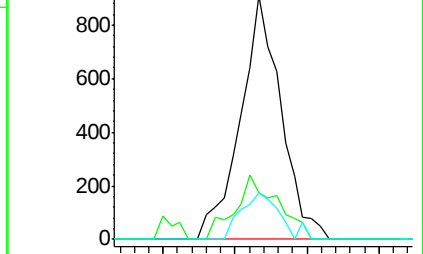
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 1325.36 ug/l

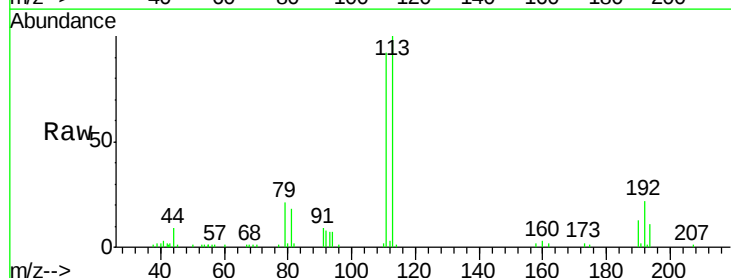
RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

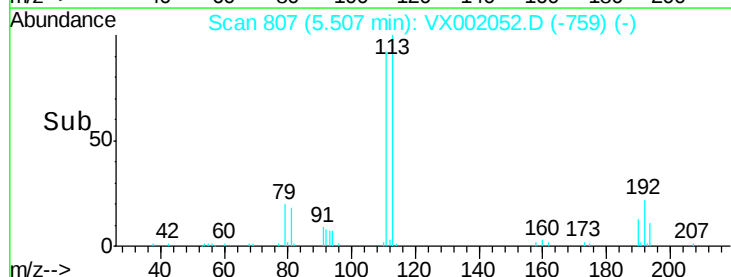
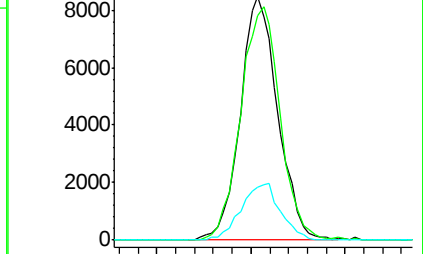
Tgt Ion:	113	Resp:	23565
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.0	123.0
192	24.1	18.9	28.3

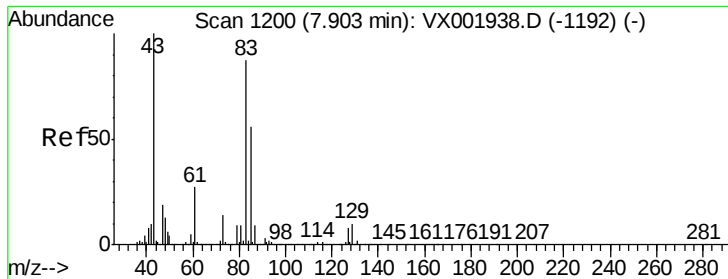


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#47

Bromodichloromethane

Concen: 34.56 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

Instrument :

MSVOA_X

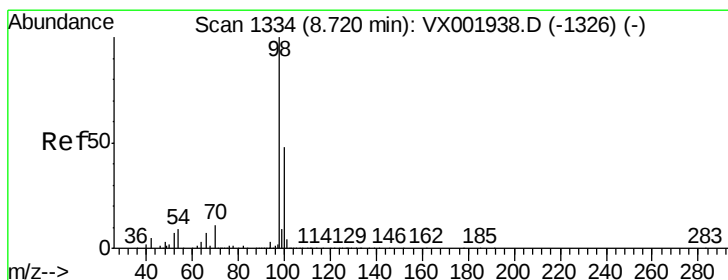
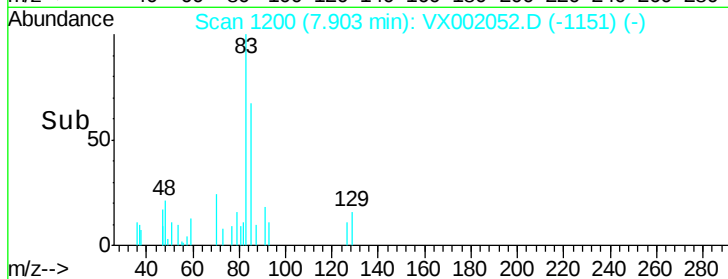
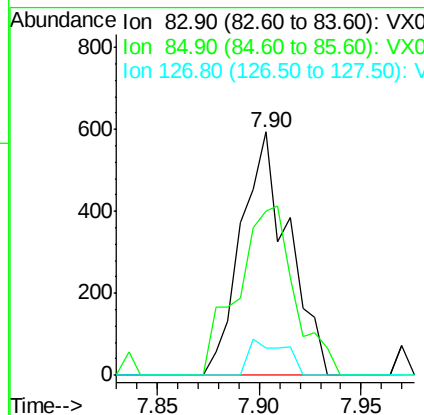
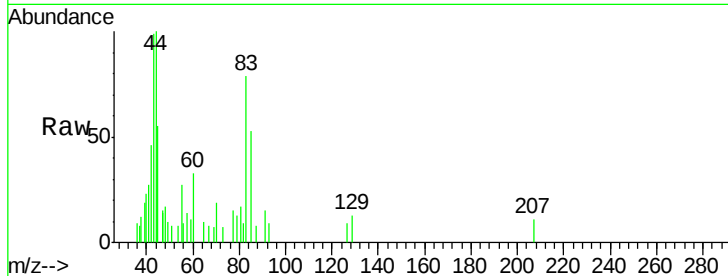
ClientSampleId :

EO-03-052418-C

Tot Ion:	83	Resp:	960
Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.4	77.2
127	11.1	7.1	10.7#

Manual Integrations
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#50

Toluene-d8

Concen: 1057.90 ug/l

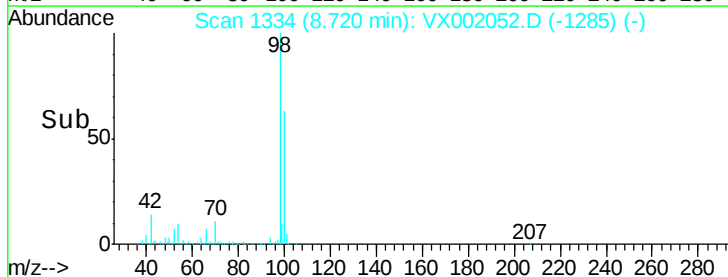
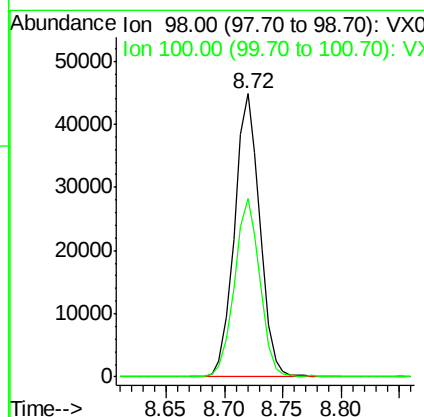
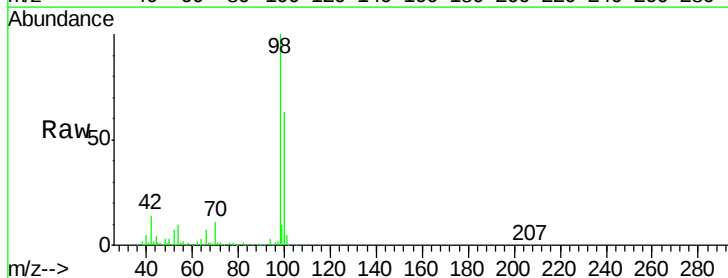
RT: 8.72 min Scan# 1334

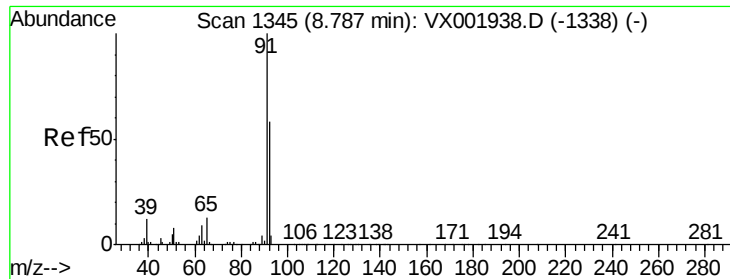
Delta R.T. 0.00 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

Tgt Ion:	98	Resp:	68097
Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.5	77.3





#52

Toluene

Concen: 14.57 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

Instrument :

MSVOA_X

ClientSampleId :

EO-03-052418-C

Tot Ion: 92 Resp: 672

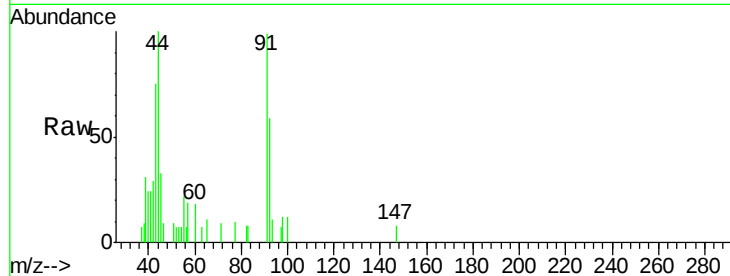
Ion Ratio Lower Upper

92 100

91 194.6 139.4 209.2

Manual Integrations
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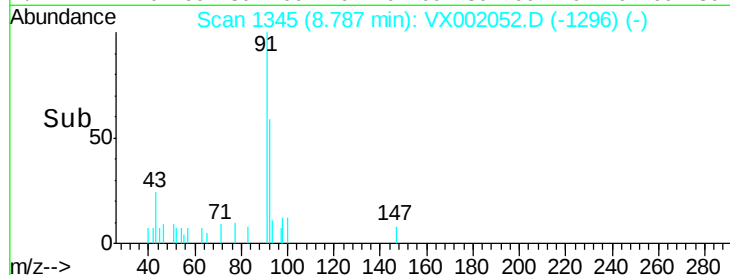


Abundance Ion 92.00 (91.70 to 92.70): VX001938.D (-1338) (-)

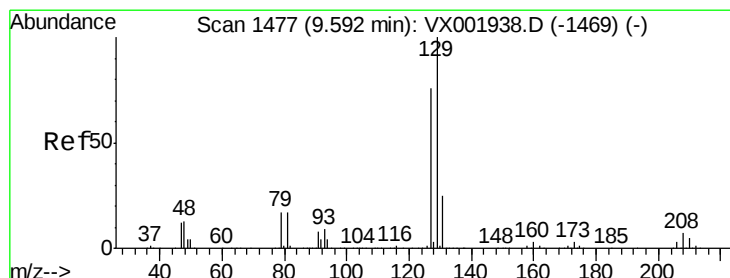
Ion 91.00 (90.70 to 91.70): VX001938.D (-1338) (-)

8.79

8.75 8.80



Time-->



#60

Dibromochloromethane

Concen: 10.39 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX002052.D

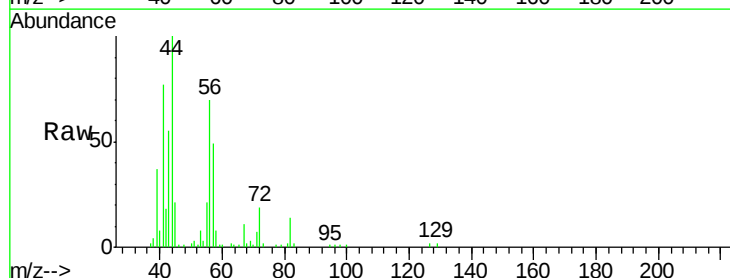
Acq: 27 May 2018 06:57

Tgt Ion: 129 Resp: 237

Ion Ratio Lower Upper

129 100

127 86.1 38.3 114.9

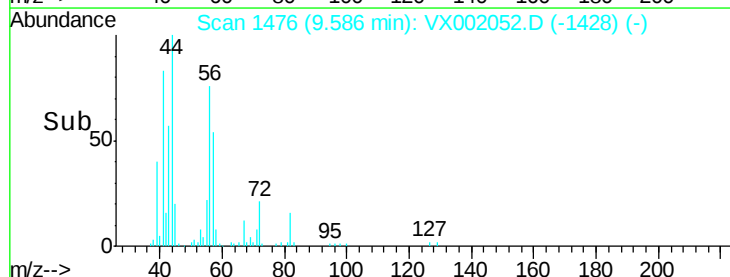


Abundance Ion 128.80 (128.50 to 129.50): VX001938.D (-1469) (-)

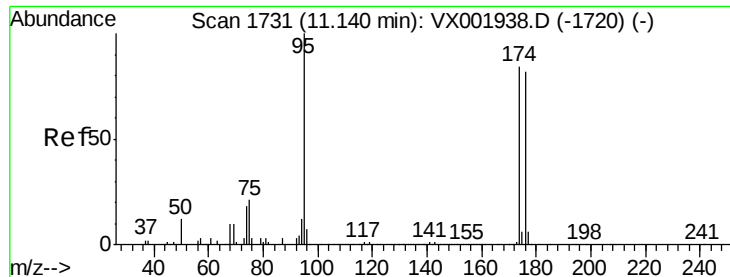
Ion 126.80 (126.50 to 127.50): VX001938.D (-1469) (-)

9.59

9.55 9.60



Time-->



#62

4-Bromofluorobenzene

Concen: 924.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

Instrument :

MSVOA_X

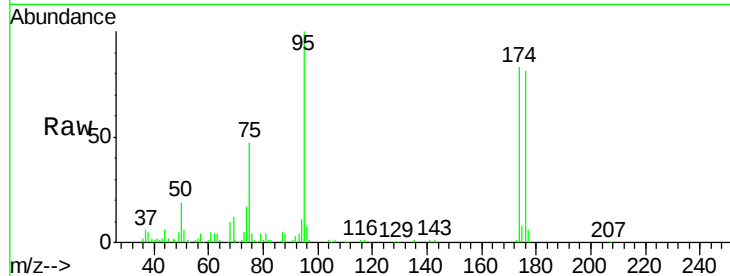
ClientSampleId :

EO-03-052418-C

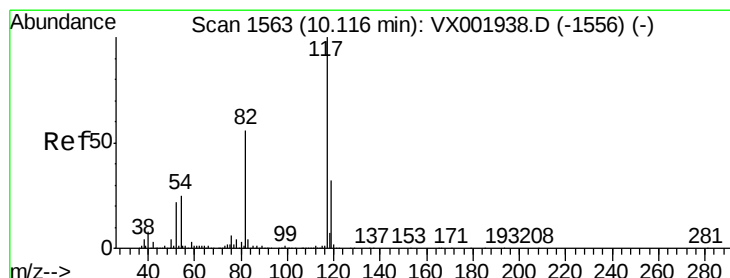
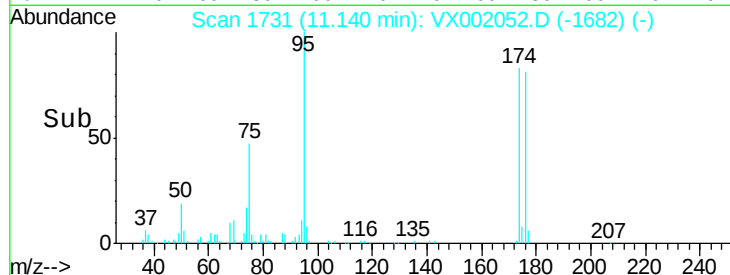
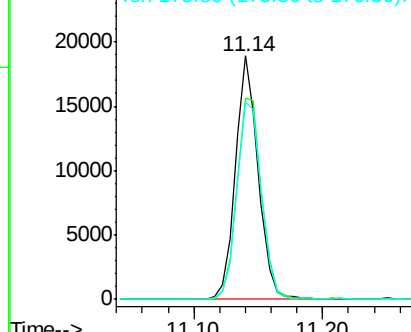
Tot Ion:	95	Resp:	23285
Ion Ratio	Lower	Upper	
95	100		
174	89.8	0.0	178.8
176	87.0	0.0	175.6

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Abundance Ion 94.90 (94.60 to 95.60): VX001938.D (-1720) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

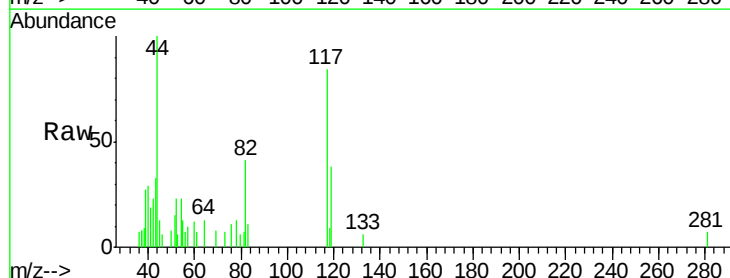
RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

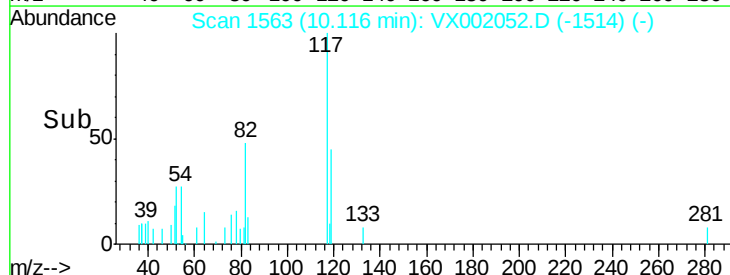
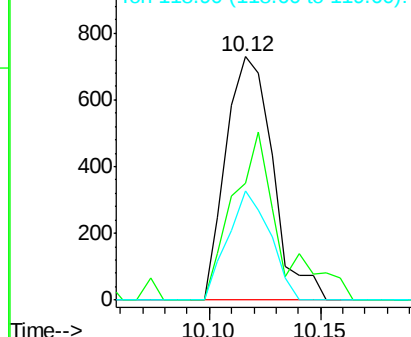
Lab File: VX002052.D

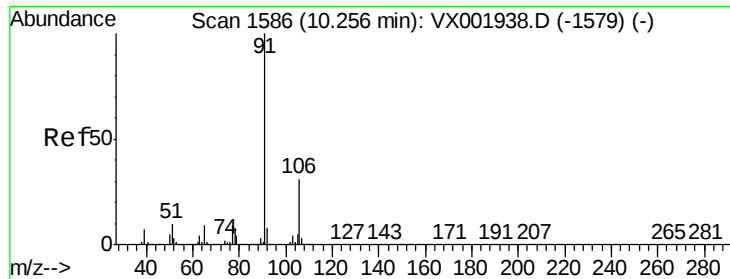
Acq: 27 May 2018 06:57

Tgt Ion:	117	Resp:	1069
Ion Ratio	Lower	Upper	
117	100		
82	48.0	44.8	67.2
119	45.0	25.5	38.3#



Abundance Ion 116.90 (116.60 to 117.60): VX001938.D (-1556) (-)





#67

Ethyl Benzene

Concen: 38.63 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

Instrument :

MSVOA_X

ClientSampleId :

EO-03-052418-C

Tot Ion: 91 Resp: 2273

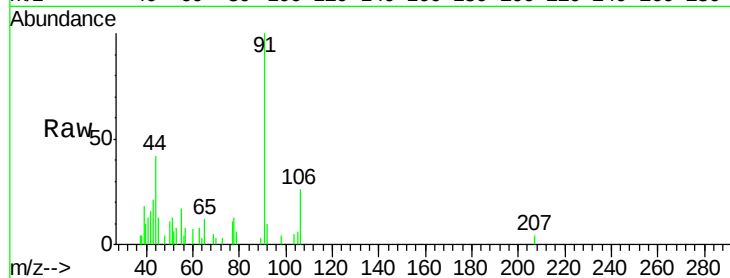
Ion Ratio Lower Upper

91 100

106 26.1 25.0 37.6

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

4000

3000

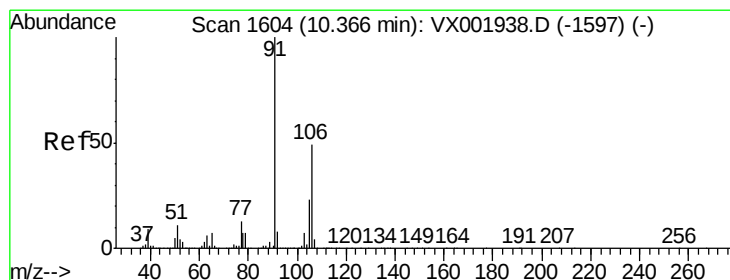
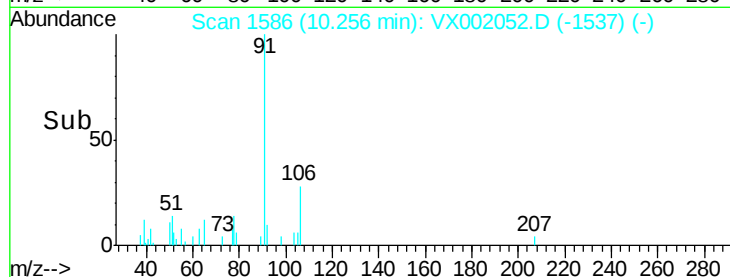
2000

1000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 110.74 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002052.D

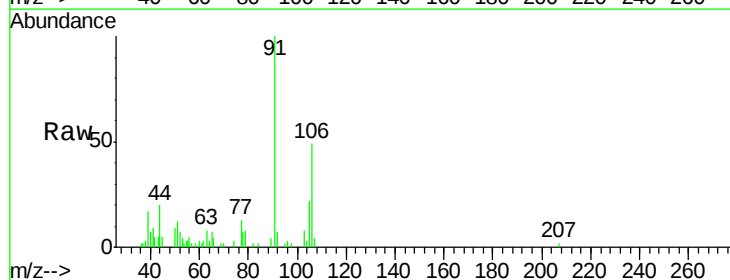
Acq: 27 May 2018 06:57

Tgt Ion: 106 Resp: 2491

Ion Ratio Lower Upper

106 100

91 201.8 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

4000

3000

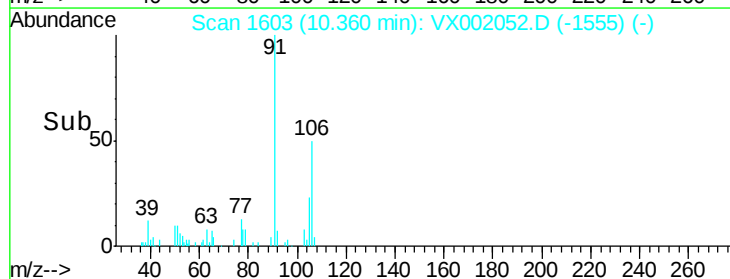
2000

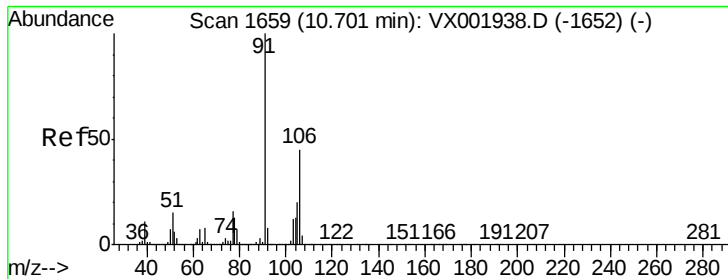
1000

0

10.30 10.35 10.40 10.45

Time-->





#69

o-Xylene

Concen: 88.20 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

Instrument :

MSVOA_X

ClientSampled :

EO-03-052418-C

Tot Ion:106 Resp: 1981

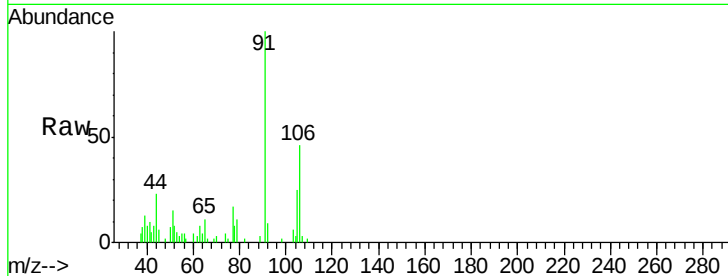
Ion Ratio Lower Upper

106 100

91 224.3 108.7 325.9

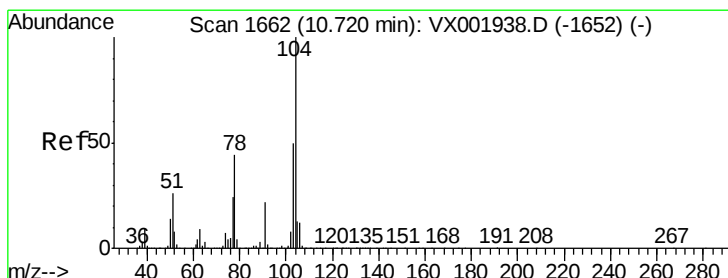
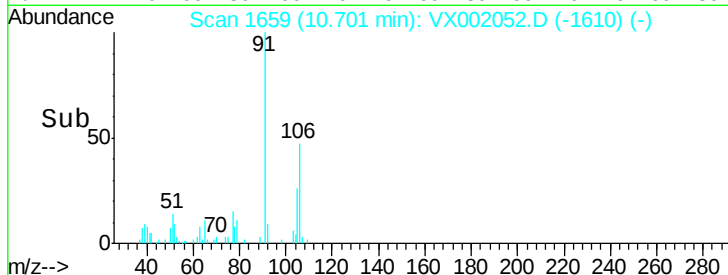
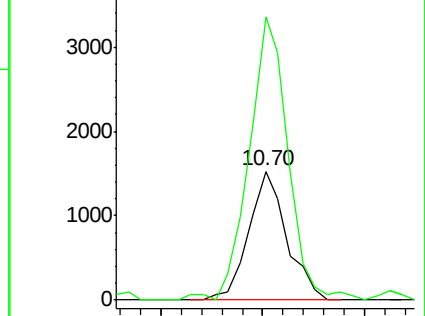
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 10.28 ug/l

RT: 10.72 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

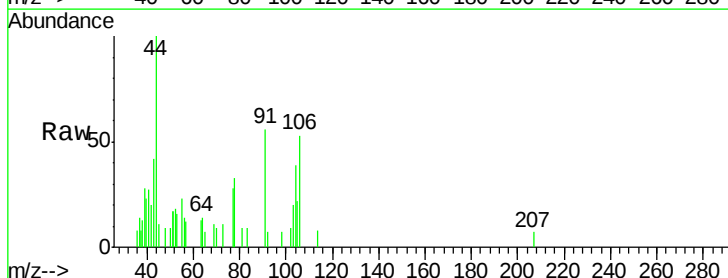
Tgt Ion:104 Resp: 383

Ion Ratio Lower Upper

104 100

78 172.6 41.8 62.6#

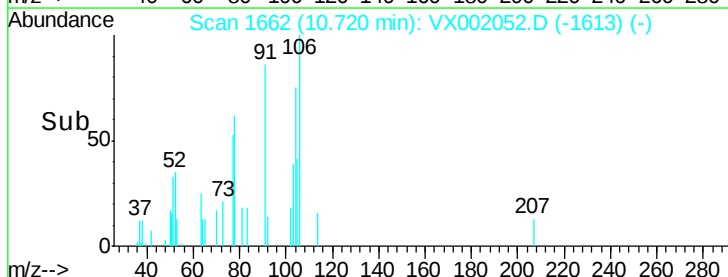
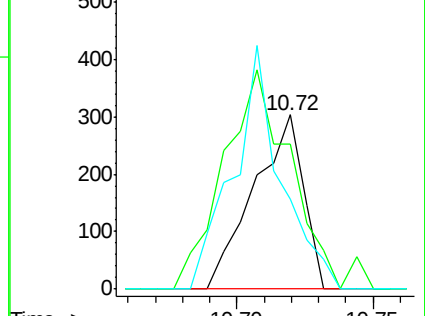
103 134.2 44.6 67.0#

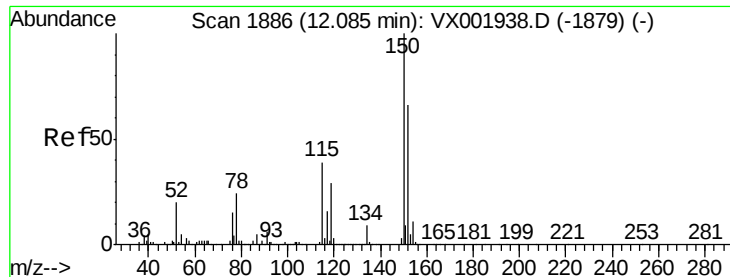


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

Instrument :

MSVOA_X

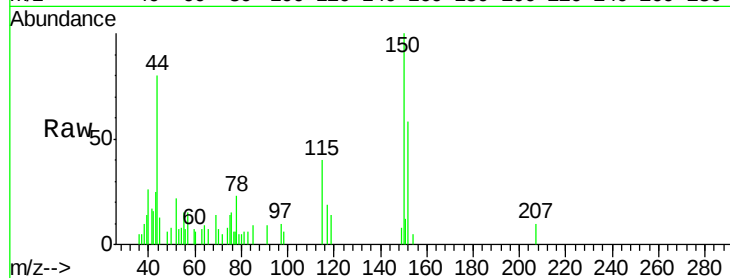
ClientSampleId :

EO-03-052418-C

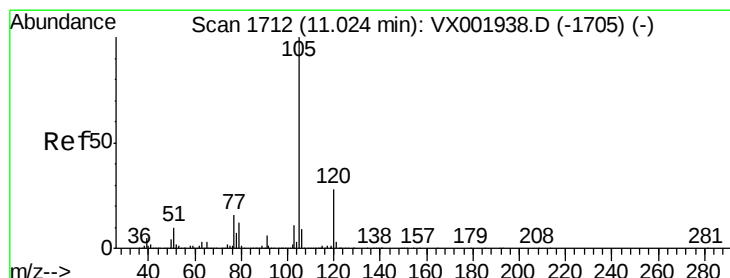
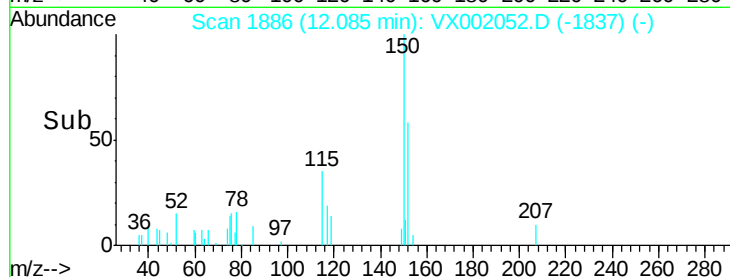
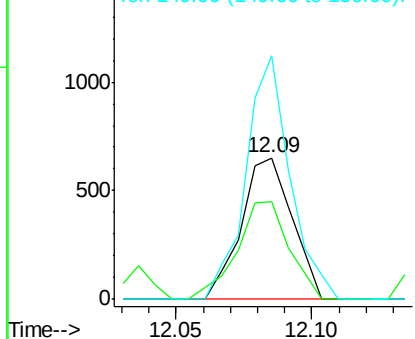
Tot Ion:	152	Resp:	842
Ion	Ratio	Lower	Upper
152	100		
115	71.3	42.3	126.8
150	149.4	0.0	351.0

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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: 16.65 ug/l

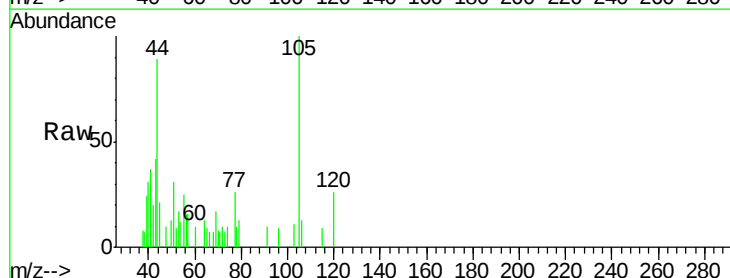
RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

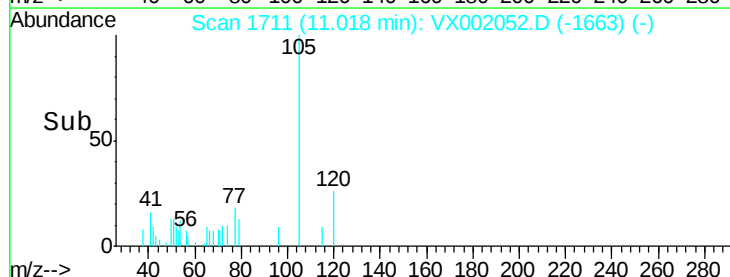
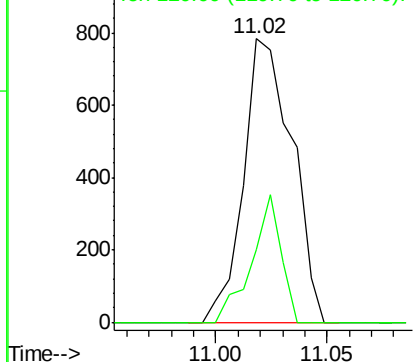
Lab File: VX002052.D

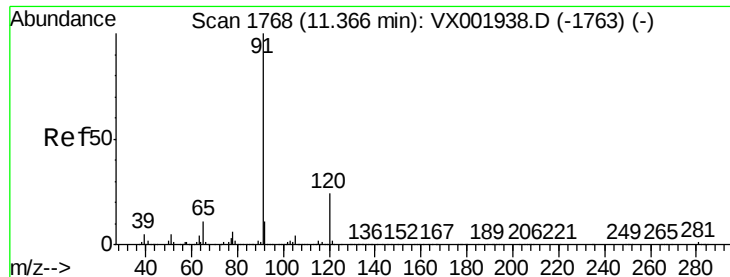
Acq: 27 May 2018 06:57

Tgt Ion:	105	Resp:	1187
Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.7



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





#78

n-propylbenzene

Concen: 32.95 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

Instrument :

MSVOA_X

ClientSampleId :

EO-03-052418-C

Tot Ion: 91 Resp: 2631

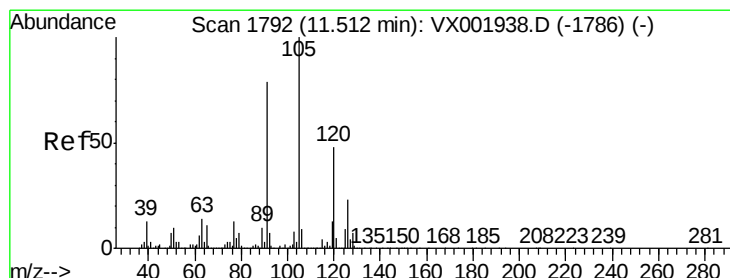
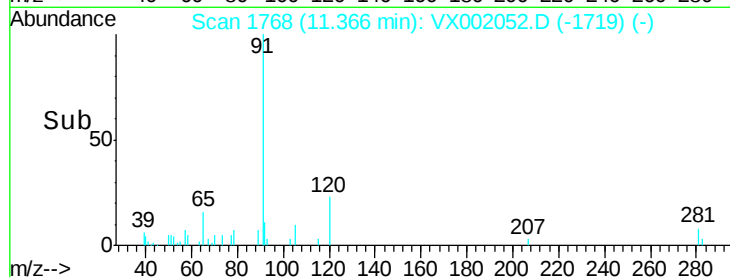
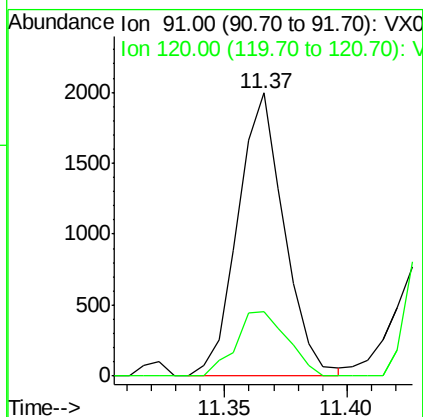
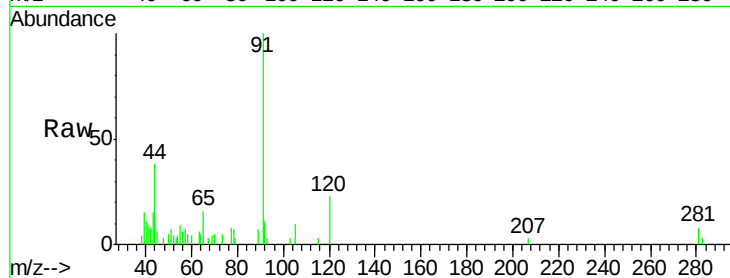
Ion Ratio Lower Upper

91 100

120 25.3 11.9 35.7

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#80

1,3,5-Trimethylbenzene

Concen: 95.56 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002052.D

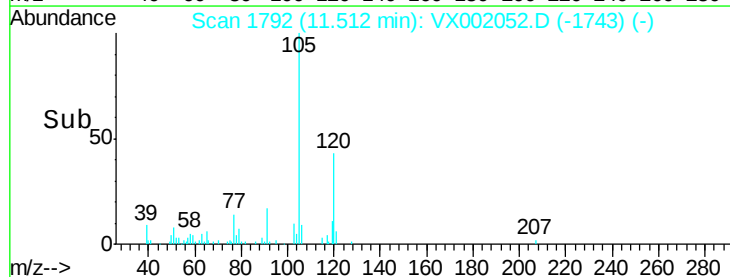
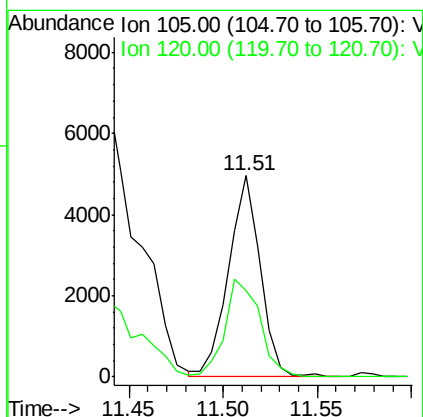
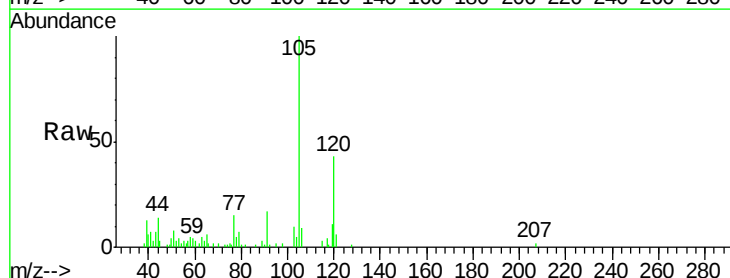
Acq: 27 May 2018 06:57

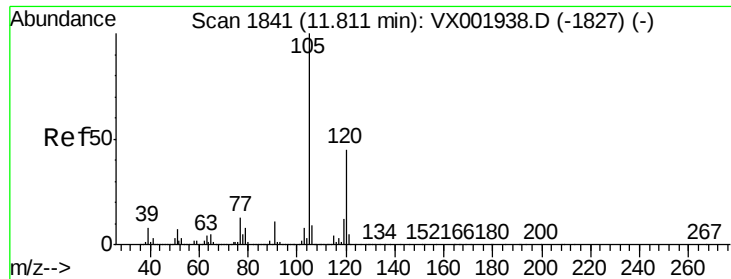
Tgt Ion: 105 Resp: 5823

Ion Ratio Lower Upper

105 100

120 53.2 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 413.95 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002052.D

Acq: 27 May 2018 06:57

Instrument :

MSVOA_X

ClientSampleId :

EO-03-052418-C

Tot Ion:105 Resp: 26066

Ion Ratio Lower Upper

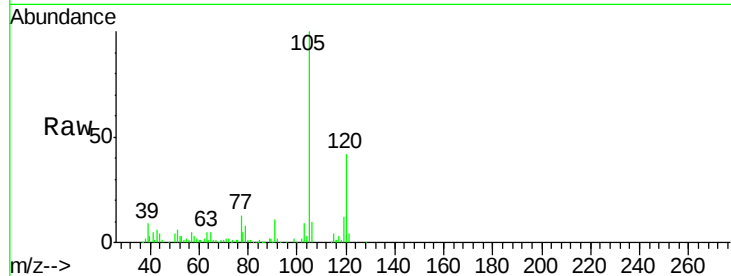
105 100

120 45.8 22.1 66.5

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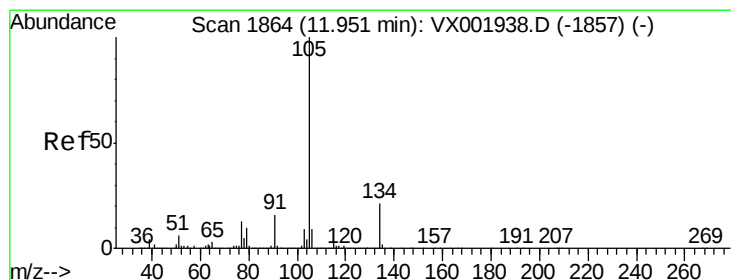
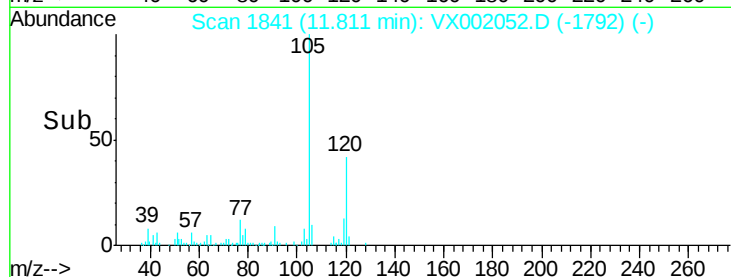
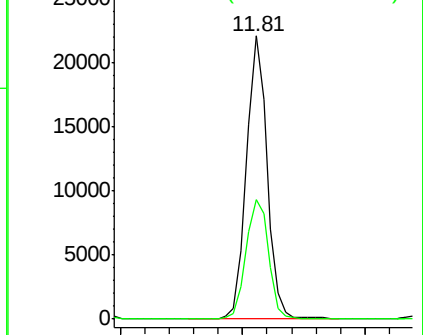
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 15.58 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002052.D

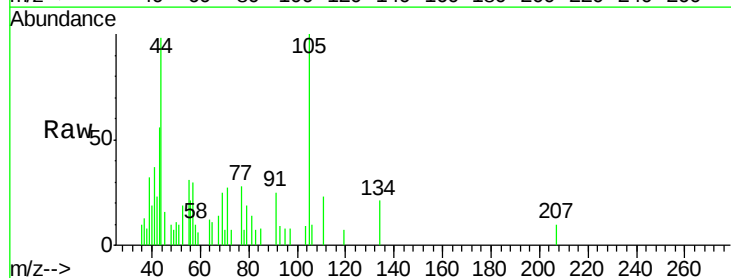
Acq: 27 May 2018 06:57

Tgt Ion:105 Resp: 1120

Ion Ratio Lower Upper

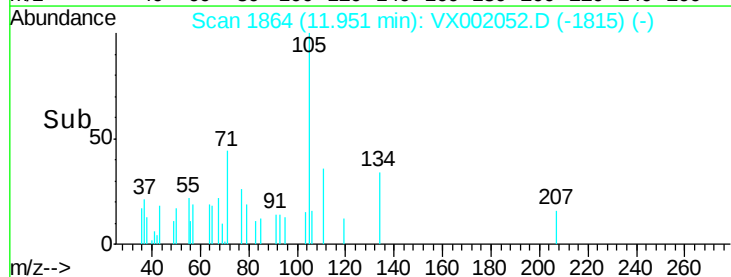
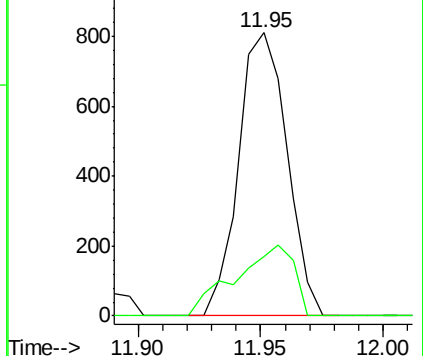
105 100

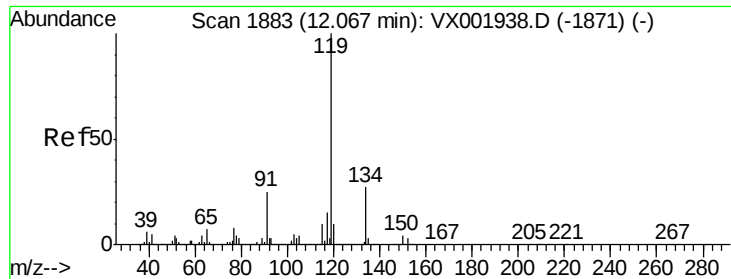
134 30.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





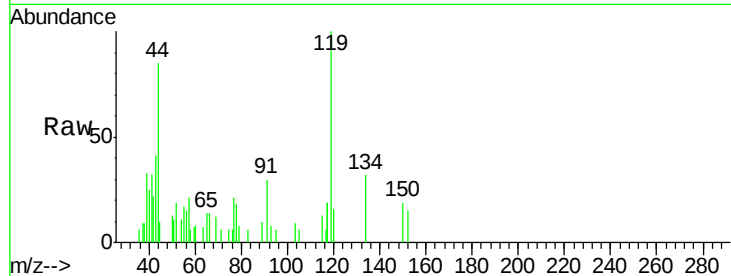
#86
p-Isopropyltoluene
Concen: 19.48 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX002052.D
Acq: 27 May 2018 06:57

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	30.5	13.6	40.8
91	42.0	12.2	36.4

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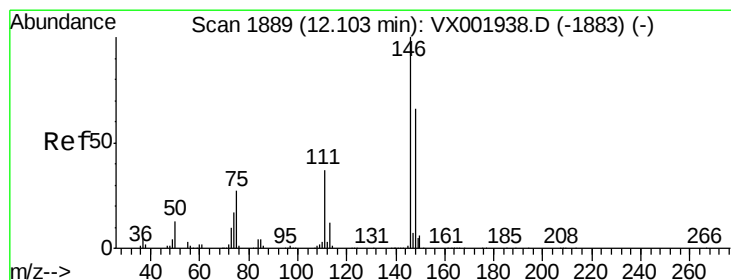
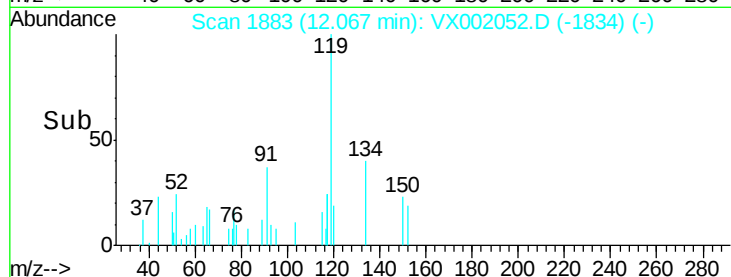
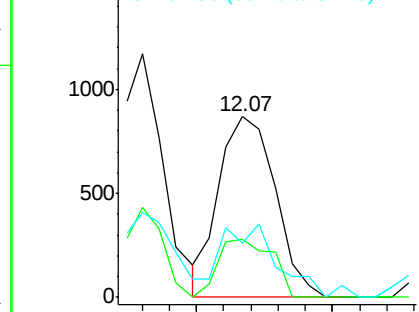


Abundance

Ion 119.00 (118.70 to 119.70): V

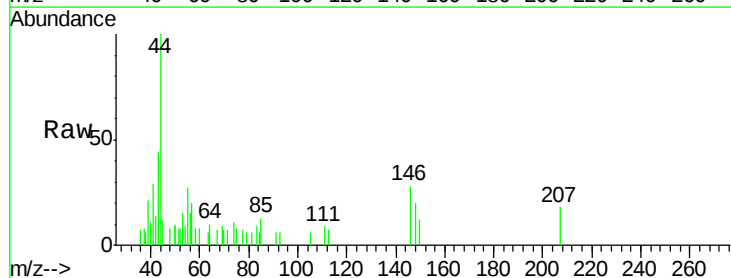
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#88
1,4-Dichlorobenzene
Concen: 8.33 ug/l
RT: 12.10 min Scan# 1889
Delta R.T. 0.00 min
Lab File: VX002052.D
Acq: 27 May 2018 06:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	18.9	56.5
148	74.1	32.3	96.8

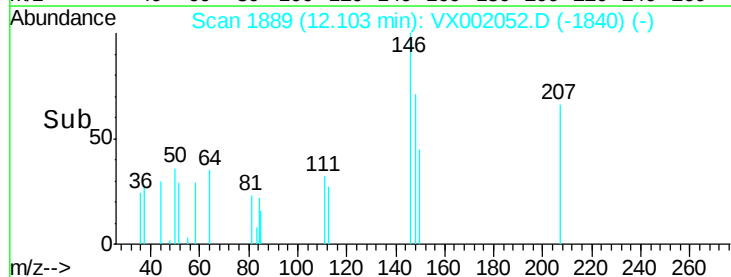
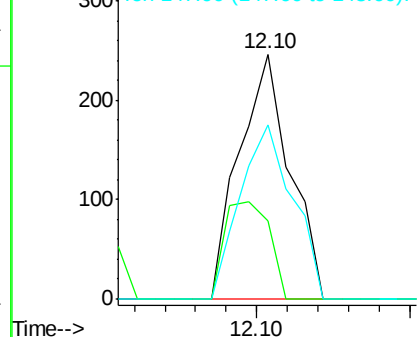


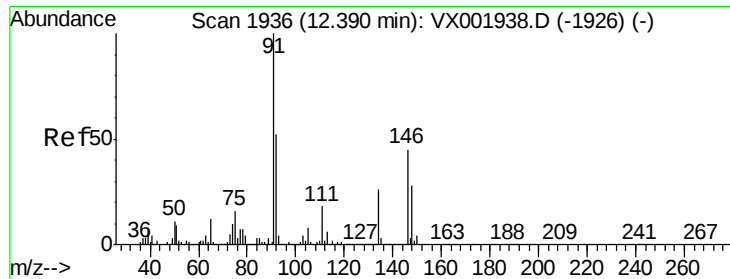
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





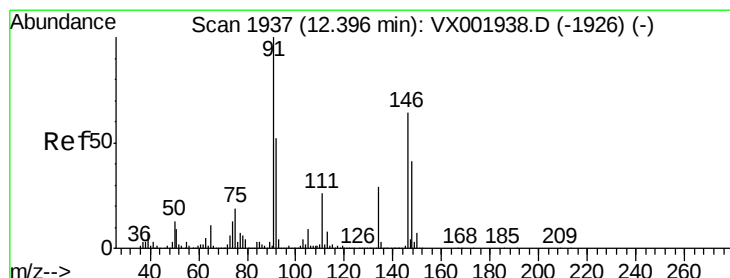
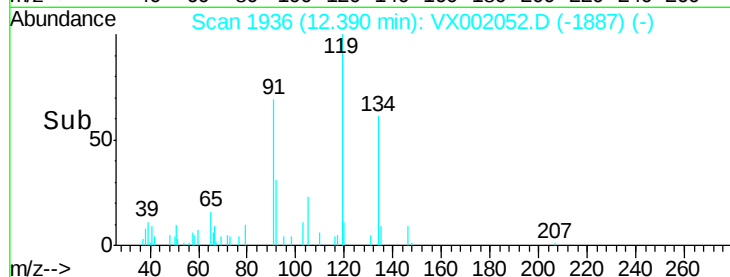
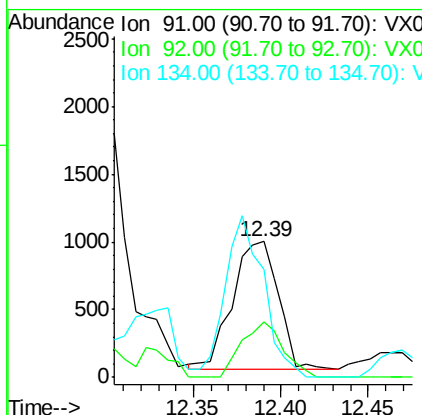
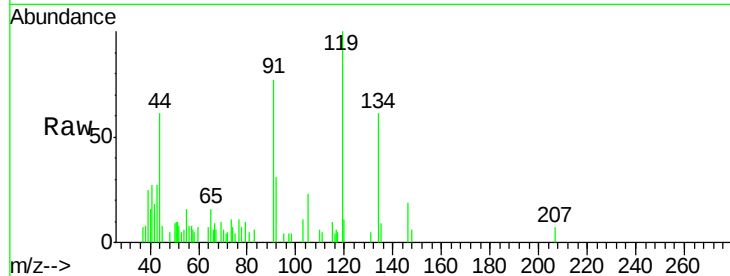
#89
n-Butylbenzene
Concen: 32.00 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002052.D
Acq: 27 May 2018 06:57

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	38.5	26.3	78.9
134	104.0	13.6	40.7#

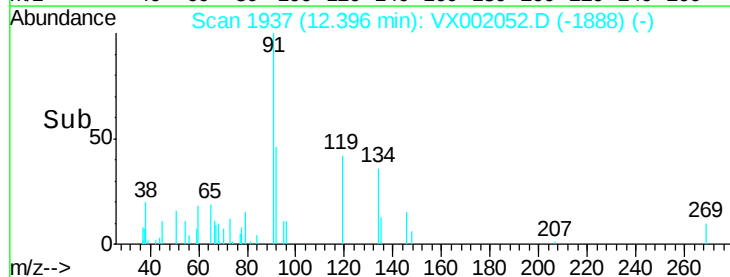
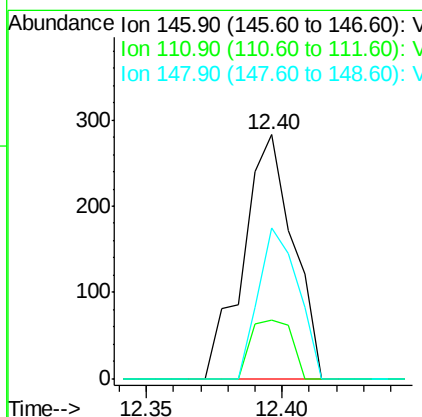
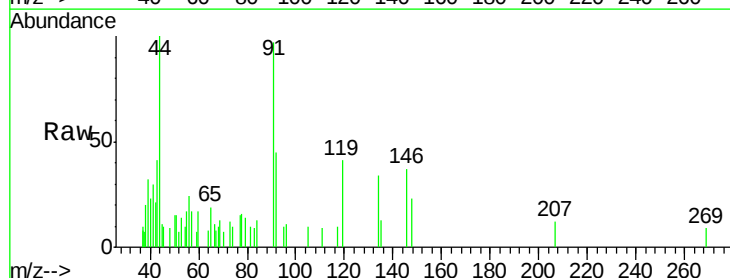
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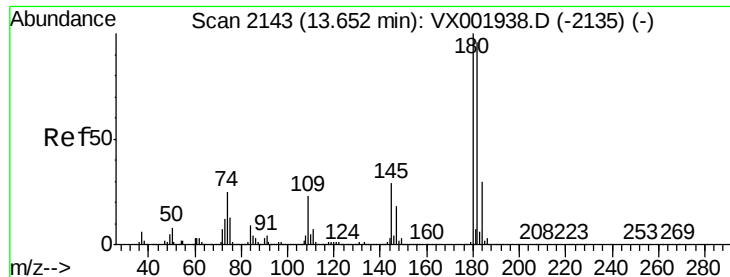
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#91
1,2-Dichlorobenzene
Concen: 10.40 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX002052.D
Acq: 27 May 2018 06:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	19.8	19.8	59.3
148	49.3	32.1	96.5





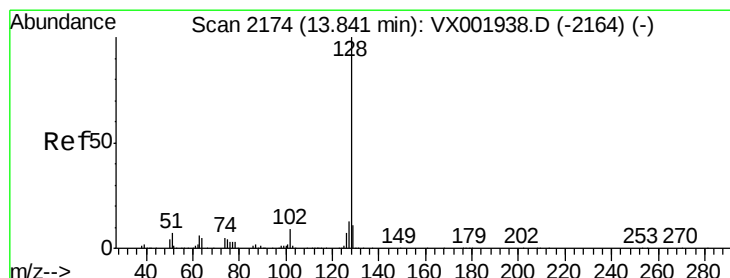
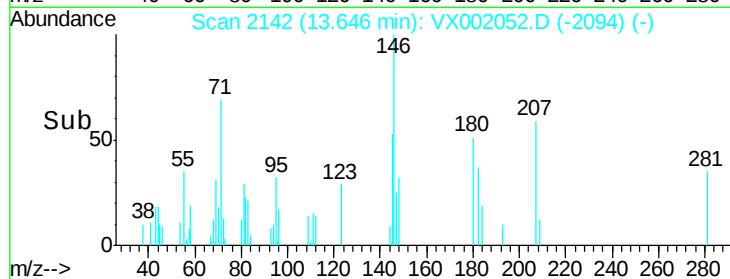
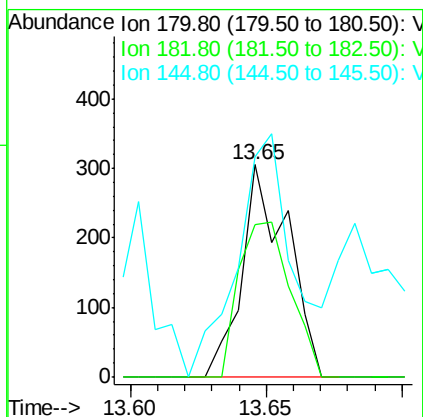
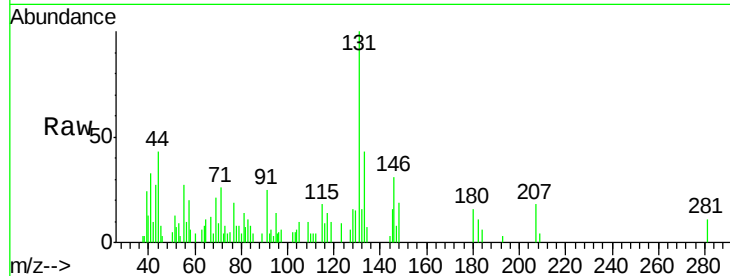
#93
 1,2,4-Trichlorobenzene
 Concen: 14.46 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX002052.D
 Acq: 27 May 2018 06:57

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.1	47.7	143.1
145	138.7	14.4	43.0

Manual Integrations
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#95
 Naphthalene
 Concen: 1417.46 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX002052.D
 Acq: 27 May 2018 06:57

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.2	8.8	13.2

