

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
 Data File : VX000452.D
 Acq On : 26 Mar 2018 20:02
 Operator : JC/MD
 Sample : J2056-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22148

Manual Integrations
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sam
 3/27/2018 5:24:09 PM

Quant Time: Mar 27 09:49:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	106429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	194005	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	196004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	99798	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	80101	57.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.32%	
35) Dibromofluoromethane	5.51	113	61547	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.70%	
50) Toluene-d8	8.73	98	245588	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	11.15	95	87585	42.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	53697	112.37	ug/l	98
16) Acetone	2.45	43	468323	405.23	ug/l	96
18) Methyl Acetate	2.78	43	40974	16.91	ug/l	99
20) Methylene Chloride	2.86	84	280723	210.30	ug/l	99
25) 2-Butanone	4.71	43	37647	28.98	ug/l	99
40) Benzene	6.15	78	418156	79.24	ug/l	97
52) Toluene	8.79	92	558297	151.32	ug/l	100
65) Chlorobenzene	10.15	112	18033	4.13	ug/l #	86
67) Ethyl Benzene	10.26	91	13937	1.88	ug/l	99
68) m/p-Xylenes	10.37	106	20573	7.07	ug/l	97
69) o-Xylene	10.71	106	10823	3.84	ug/l	99
70) Styrene	10.72	104	23921	5.13	ug/l	100
80) 1,3,5-Trimethylbenzene	11.52	105	2043	0.37	ug/l	85
84) 1,2,4-Trimethylbenzene	11.82	105	56604m	9.71	ug/l	
95) Naphthalene	13.84	128	113583	13.93	ug/l	99

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

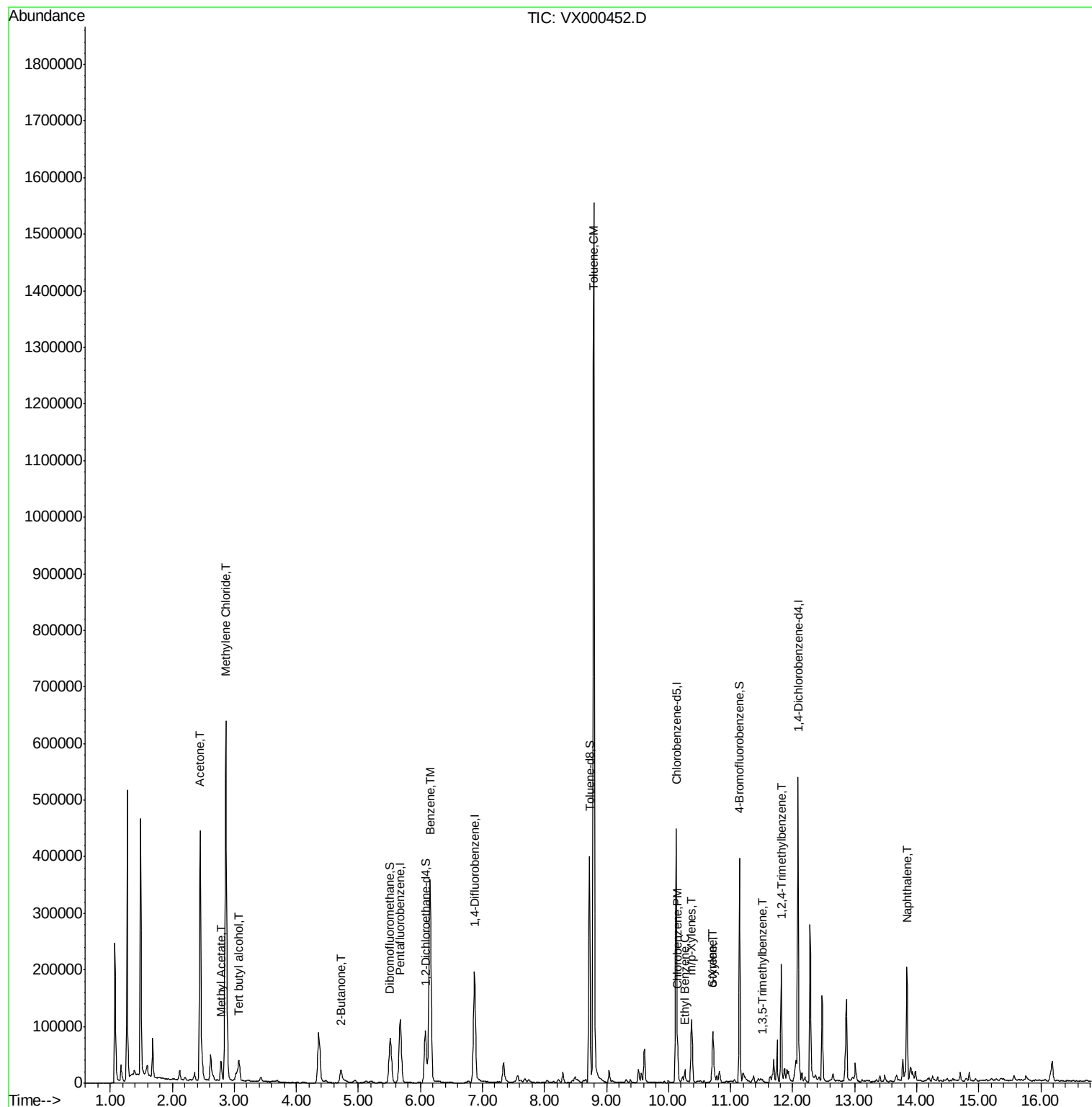
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032618\
Data File : VX000452.D
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Sample : J2056-05
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ALS Vial : 20 Sample Multiplier: 1

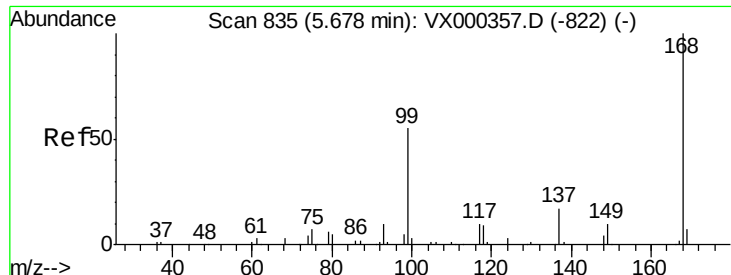
Instrument :
MSVOA_X
ClientSampleId :
22148

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3/27/2018 5:24:09 PM

Quant Time: Mar 27 09:49:56 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000452.D

Acq: 26 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :

22148

Tot Ion:168 Resp: 106429

Ion Ratio Lower Upper

168 100

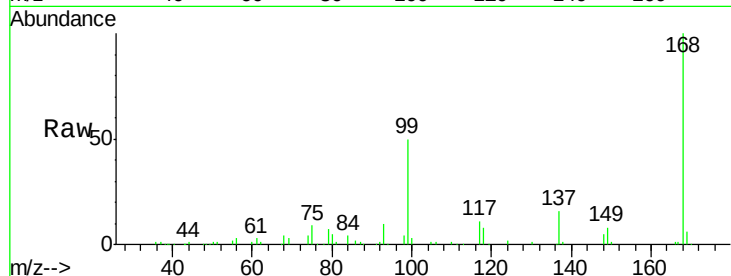
99 50.5 45.8 68.6

Manual Integrations

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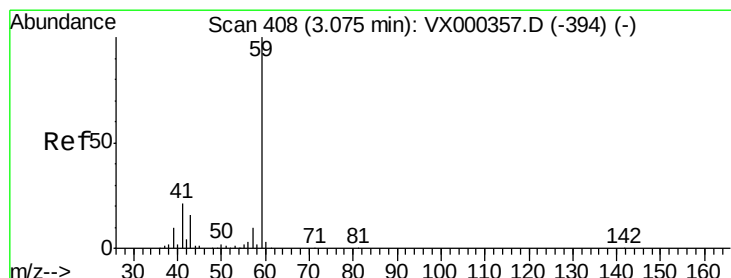
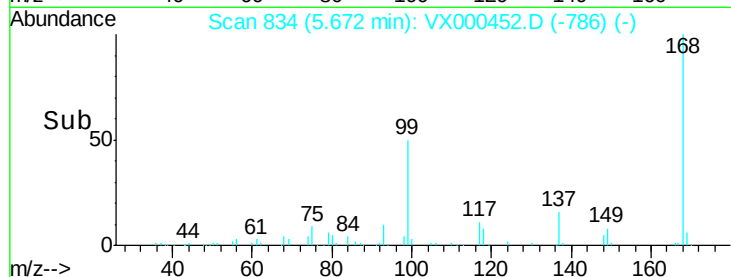
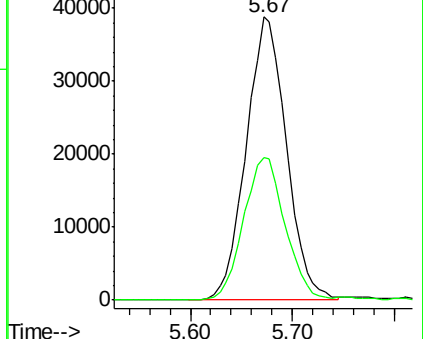
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 112.37 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX000452.D

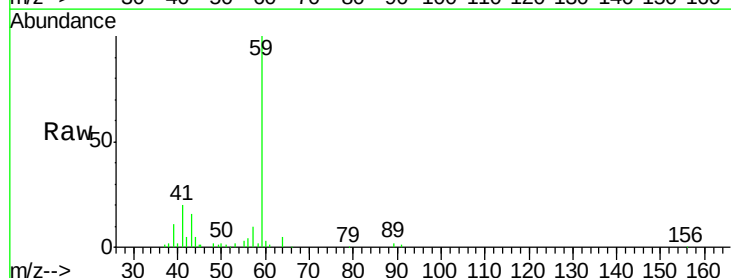
Acq: 26 Mar 2018 20:02

Tgt Ion: 59 Resp: 53697

Ion Ratio Lower Upper

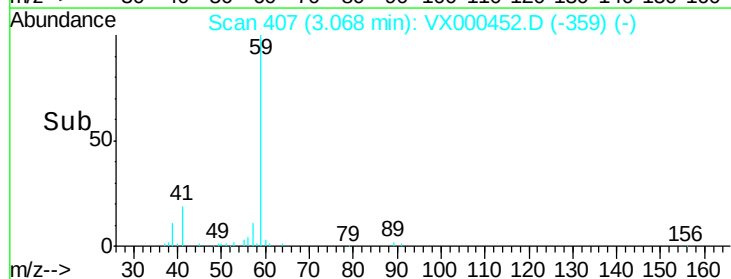
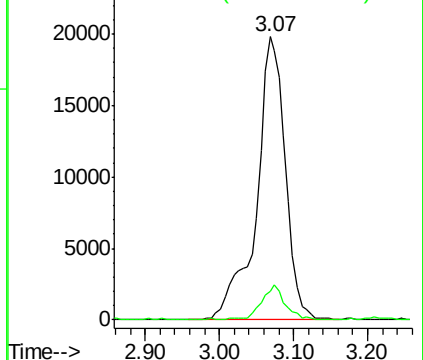
59 100

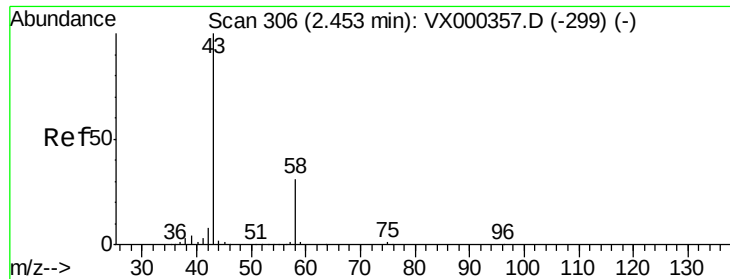
57 9.8 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 405.23 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000452.D

Acq: 26 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampleId :

22148

Tot Ion: 43 Resp: 468323

Ion Ratio Lower Upper

43 100

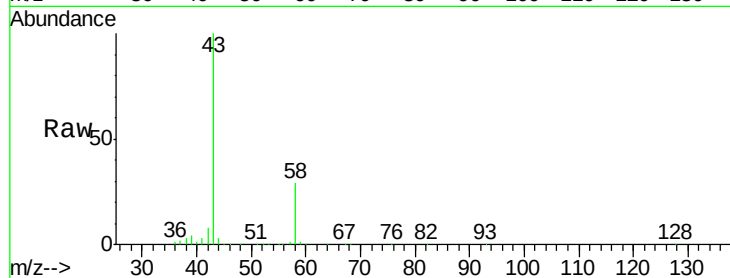
58 28.6 24.7 37.1

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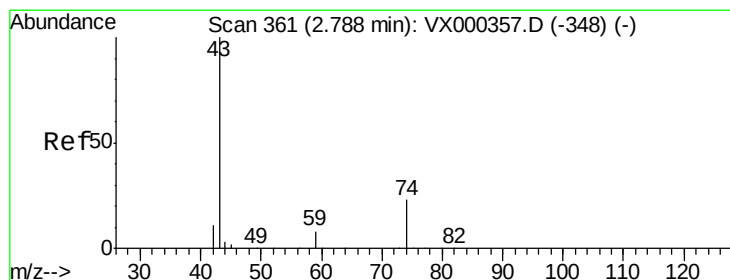
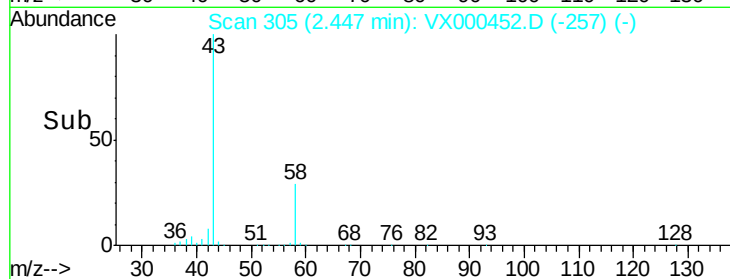
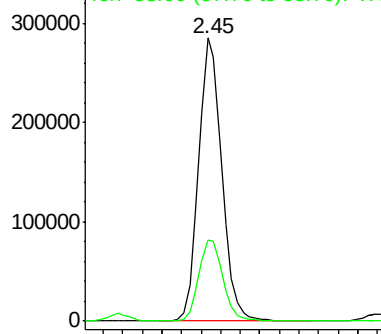
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 16.91 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000452.D

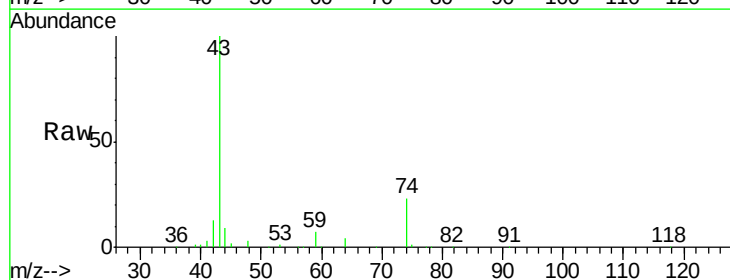
Acq: 26 Mar 2018 20:02

Tgt Ion: 43 Resp: 40974

Ion Ratio Lower Upper

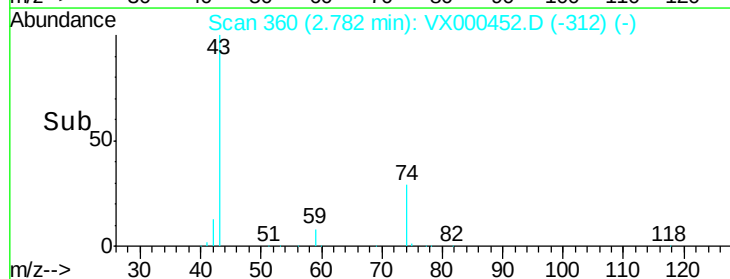
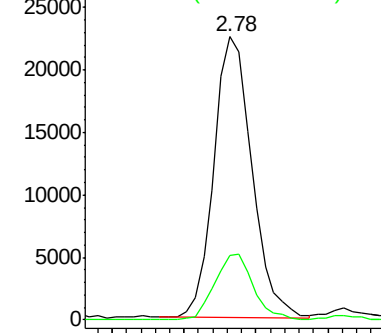
43 100

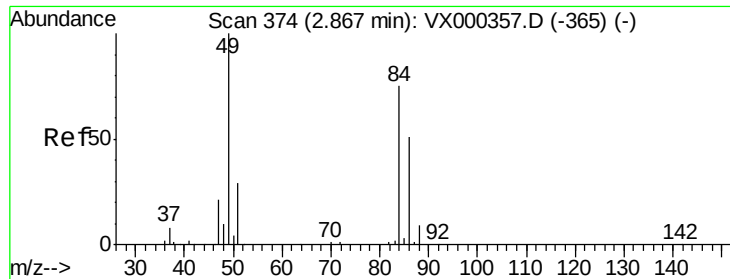
74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





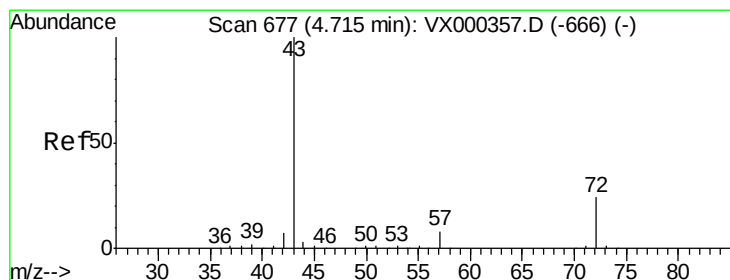
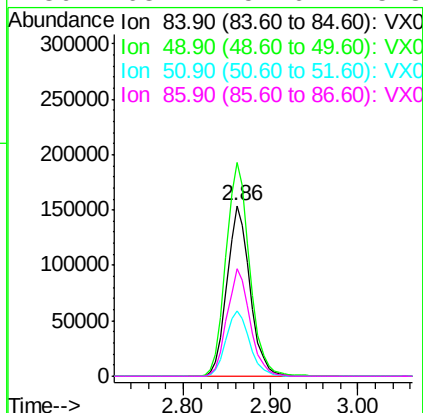
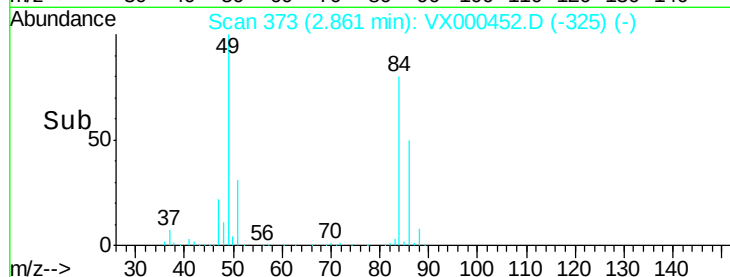
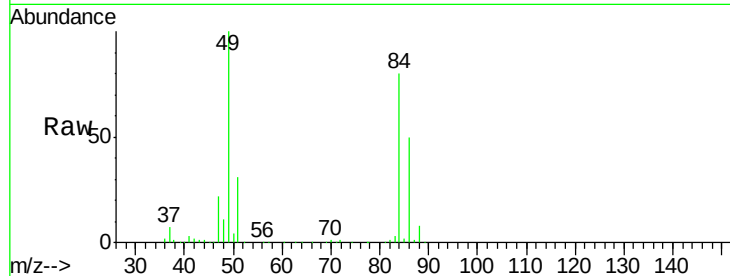
#20
Methylene Chloride
Concen: 210.30 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000452.D
Acq: 26 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampled :
22148

Tot Ion	84	Resp	280723
Ion Ratio	Lower	Upper	
84	100		
49	125.4	100.6	151.0
51	38.3	31.6	47.4
86	63.1	52.6	78.8

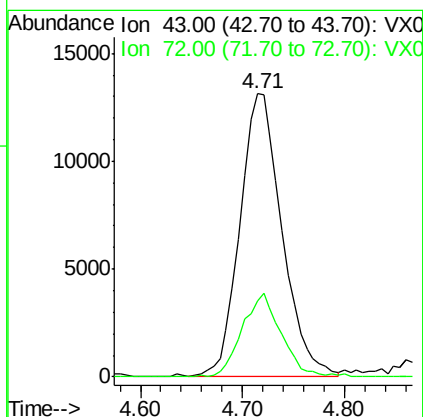
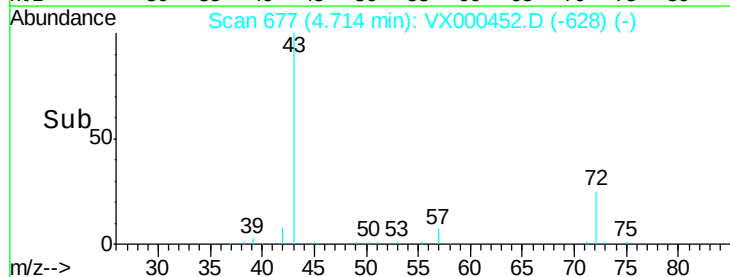
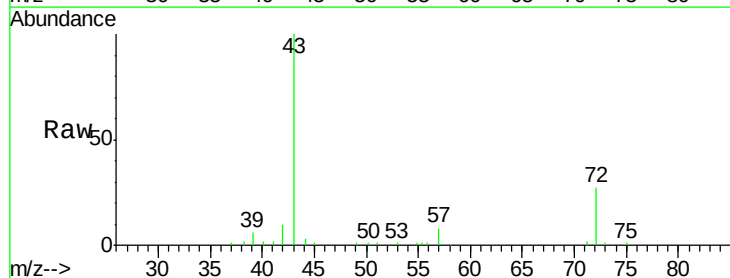
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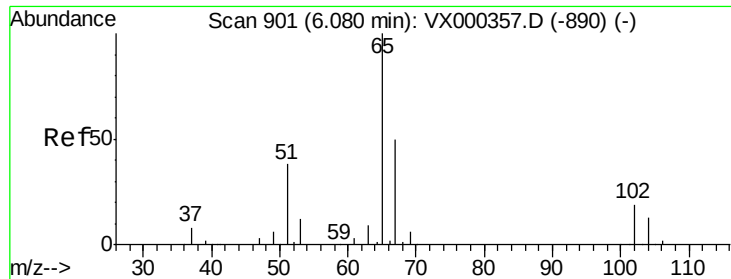
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#25
2-Butanone
Concen: 28.98 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX000452.D
Acq: 26 Mar 2018 20:02

Tgt Ion	43	Resp	37647
Ion Ratio	Lower	Upper	
43	100		
72	26.7	21.0	31.6





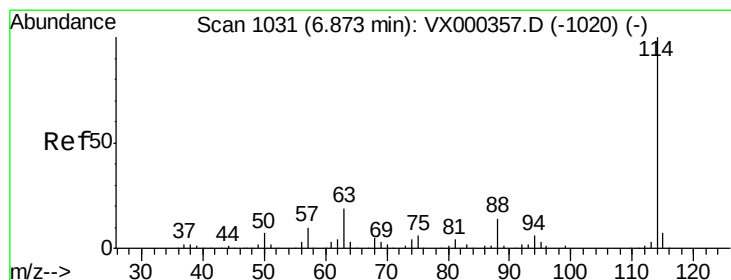
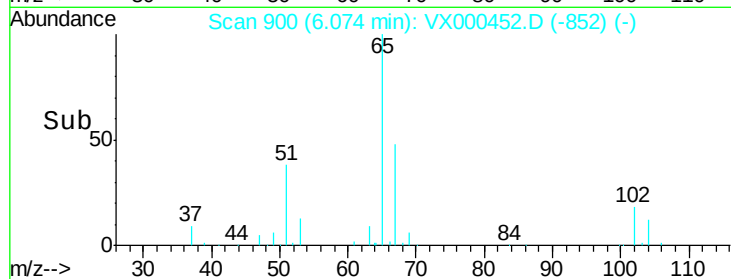
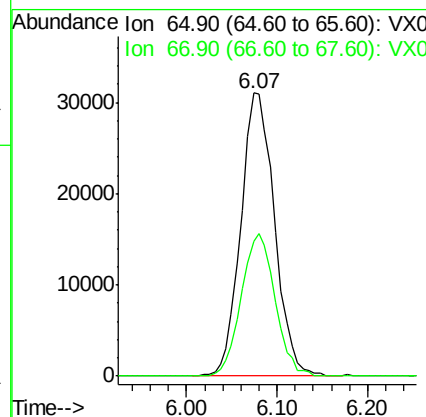
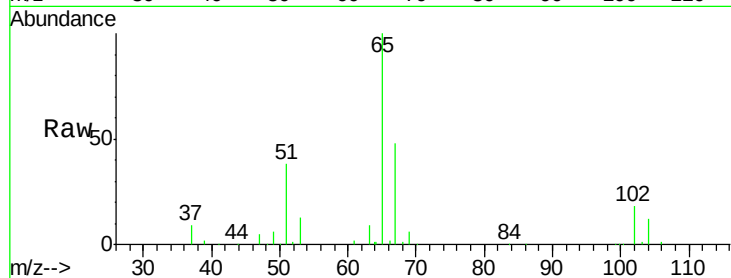
#33
 1,2-Dichloroethane-d4
 Concen: 57.66 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000452.D
 Acq: 26 Mar 2018 20:02

Instrument :
 MSVOA_X
 ClientSampleId :
 22148

Tot Ion	Ratio	Resp	Lower	Upper
65	100	80101		
67	50.3	0.0	103.2	

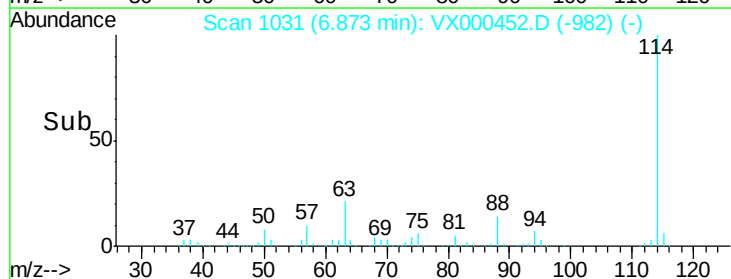
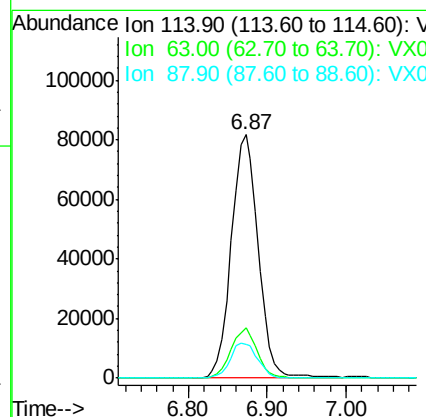
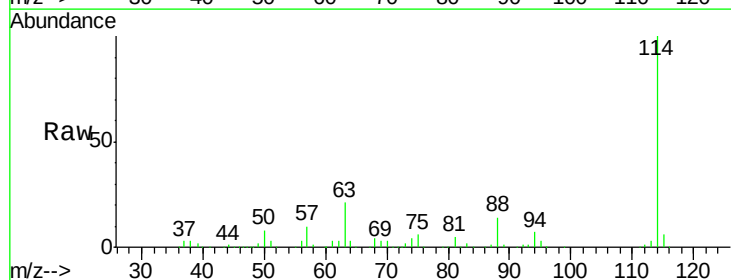
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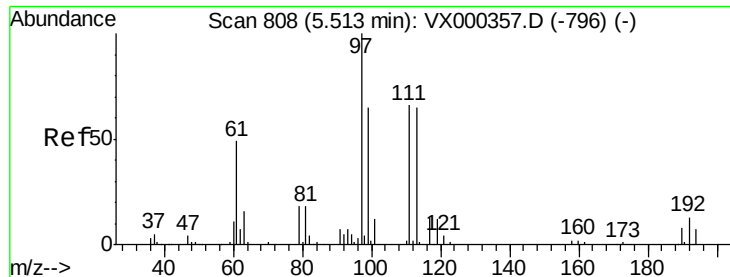
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000452.D
 Acq: 26 Mar 2018 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	194005		
63	20.6	0.0	38.4	
88	13.7	0.0	27.0	





#35

Dibromofluoromethane

Concen: 50.35 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000452.D

Acq: 26 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :

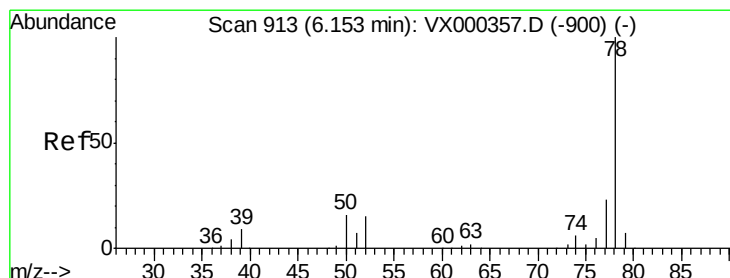
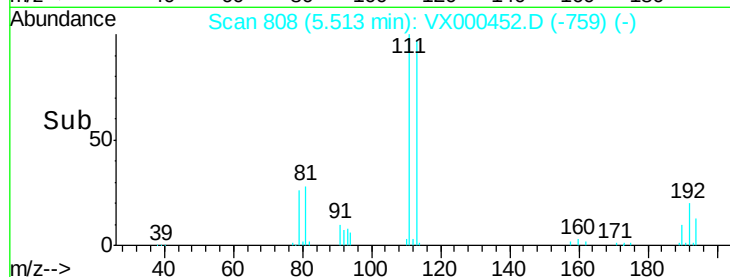
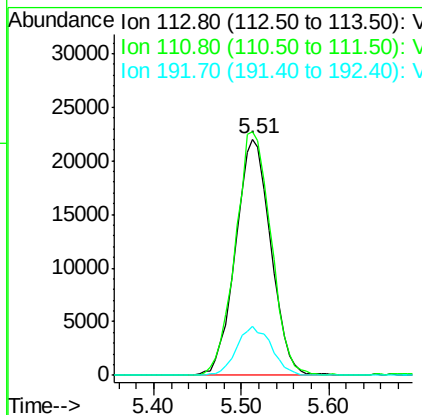
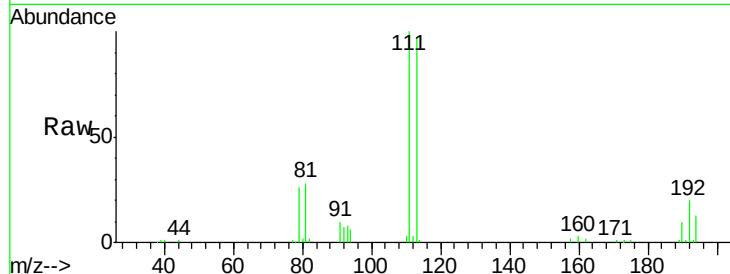
22148

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.4	123.6
192	20.6	15.8	23.6

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#40

Benzene

Concen: 79.24 ug/l

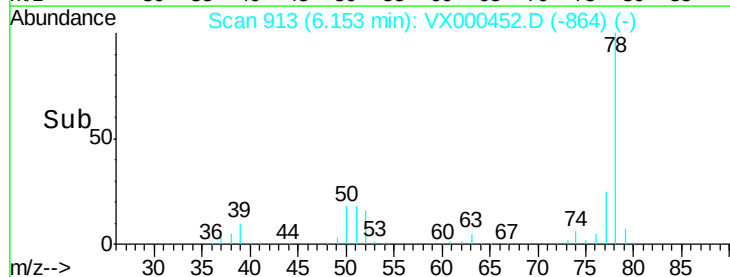
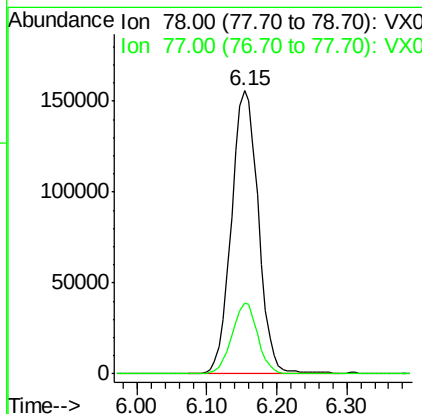
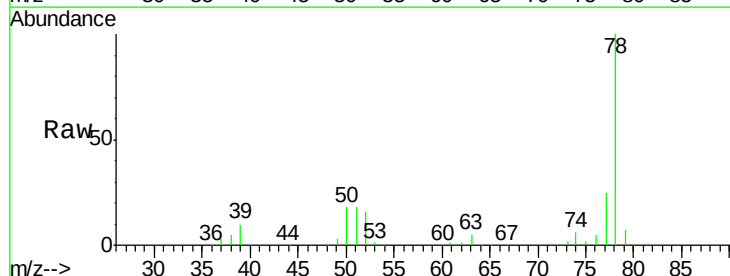
RT: 6.15 min Scan# 913

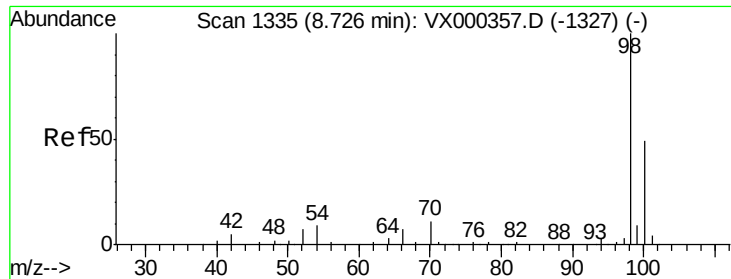
Delta R.T. -0.00 min

Lab File: VX000452.D

Acq: 26 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.7	28.1





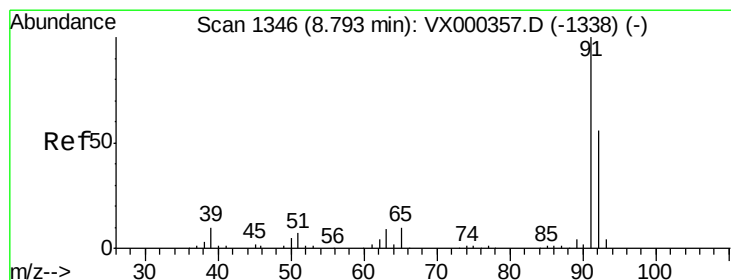
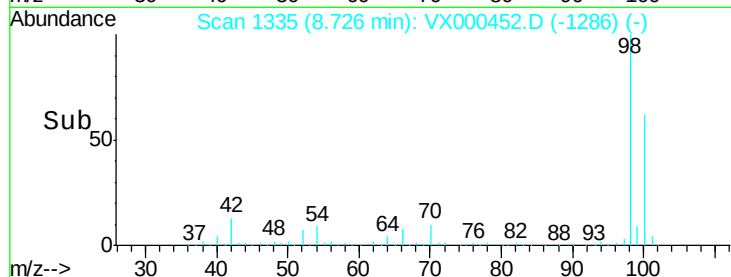
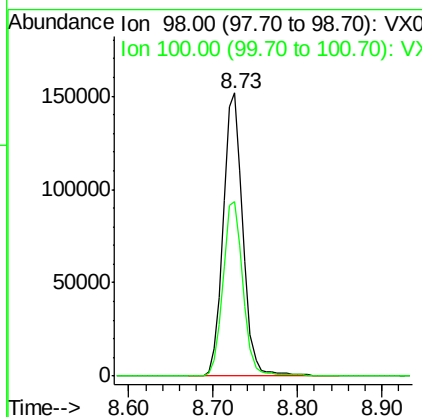
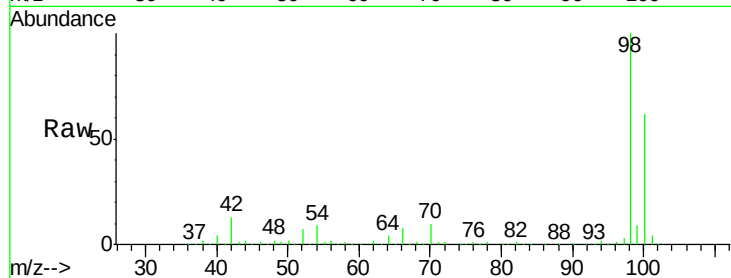
#50
Toluene-d8
Concen: 48.51 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000452.D
Acq: 26 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampleId :
22148

Tot Ion: 98 Resp: 245588
Ion Ratio Lower Upper
98 100
100 62.3 51.2 76.8

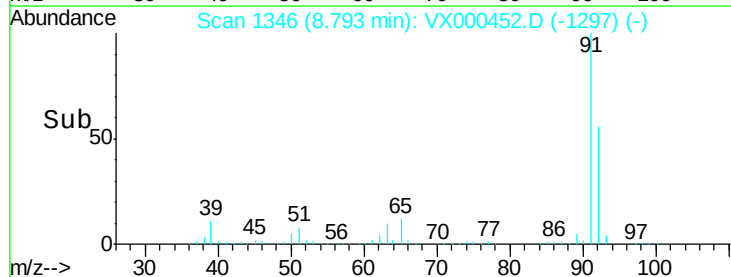
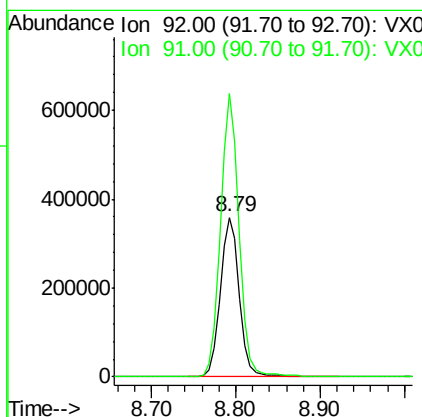
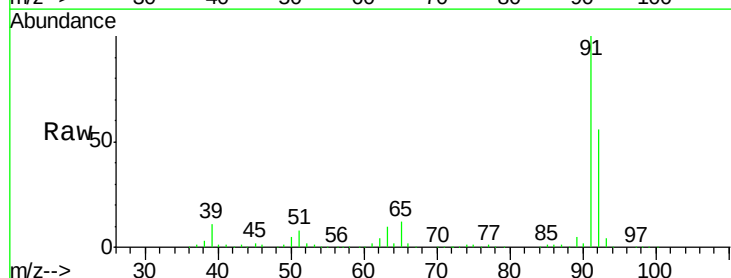
Manual Integrations
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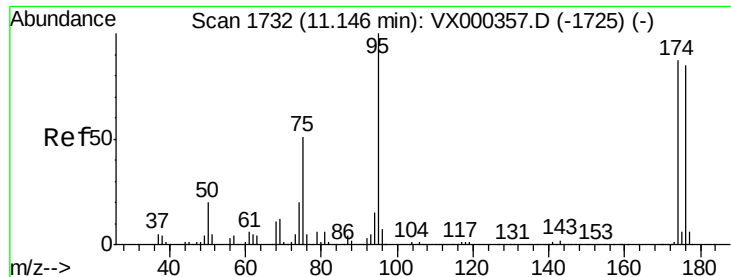
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#52
Toluene
Concen: 151.32 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VX000452.D
Acq: 26 Mar 2018 20:02

Tgt Ion: 92 Resp: 558297
Ion Ratio Lower Upper
92 100
91 175.2 140.2 210.2





#62

4-Bromofluorobenzene

Concen: 42.06 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000452.D

Acq: 26 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampleId :

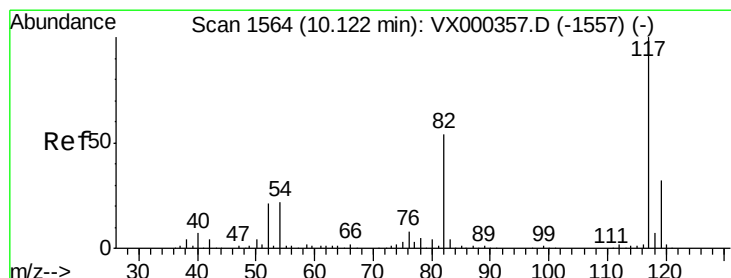
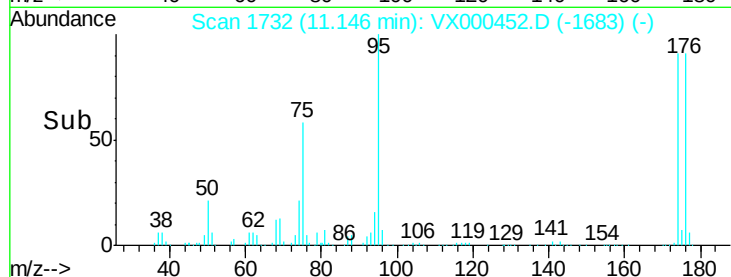
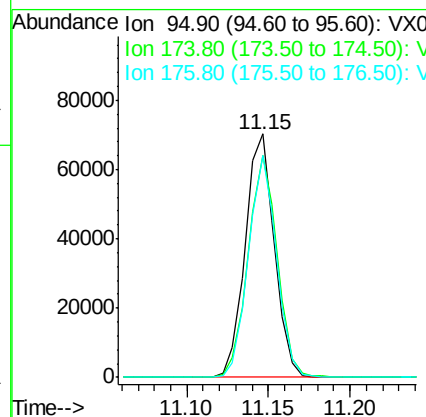
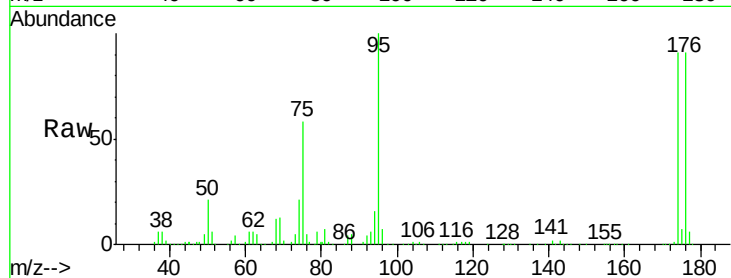
22148

Tot Ion:	95	Resp:	87585
Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	173.6
176	88.0	0.0	164.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

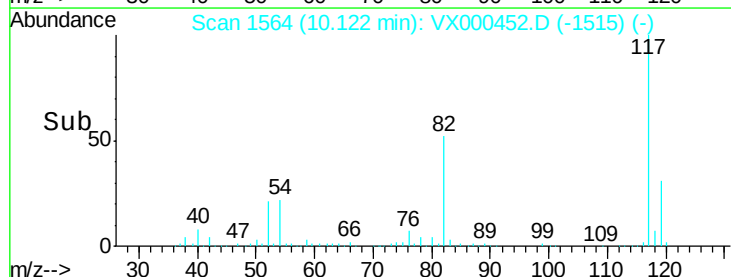
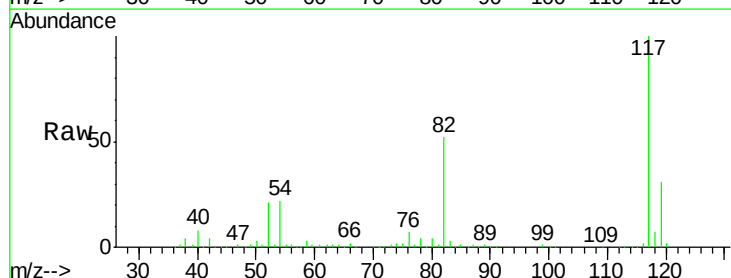
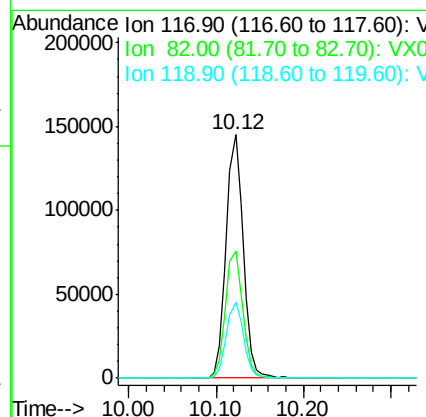
RT: 10.12 min Scan# 1564

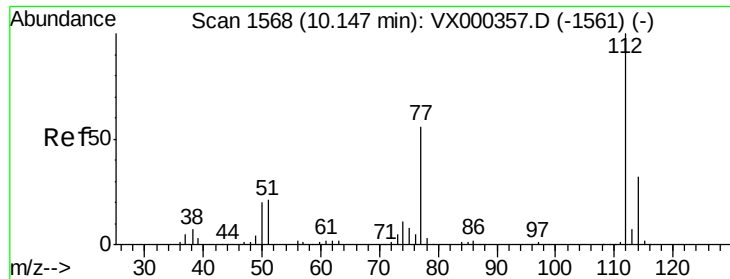
Delta R.T. -0.00 min

Lab File: VX000452.D

Acq: 26 Mar 2018 20:02

Tgt Ion:	117	Resp:	196004
Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.8	65.8
119	31.1	24.9	37.3





#65

Chlorobenzene

Concen: 4.13 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000452.D

Acq: 26 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :

22148

Tot Ion:112 Resp: 18033

Ion Ratio Lower Upper

112 100

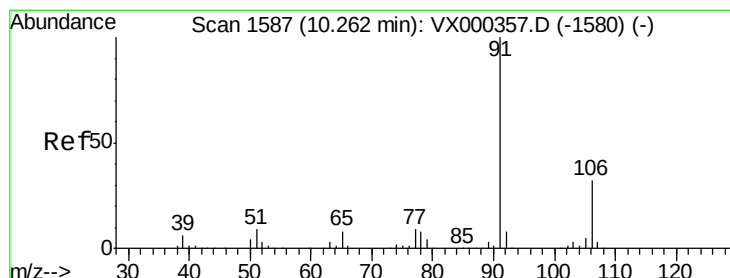
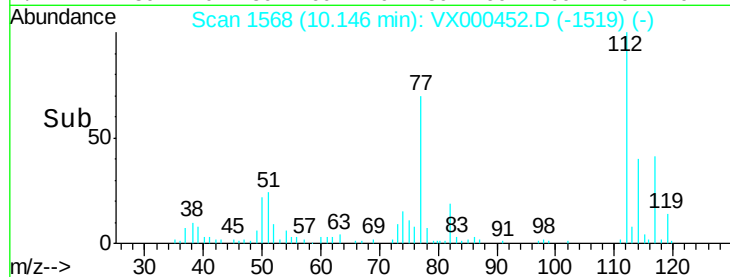
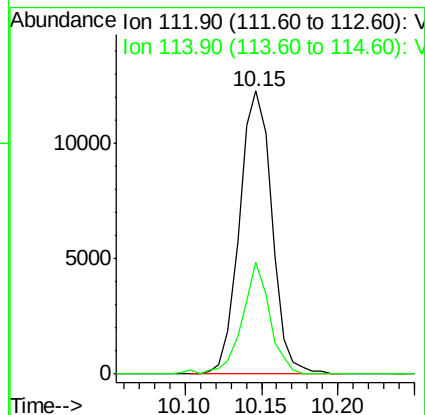
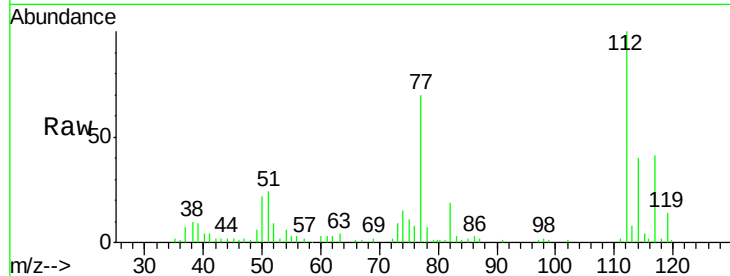
114 39.7 25.7 38.5#

Manual Integrations

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sam

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#67

Ethyl Benzene

Concen: 1.88 ug/l

RT: 10.26 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VX000452.D

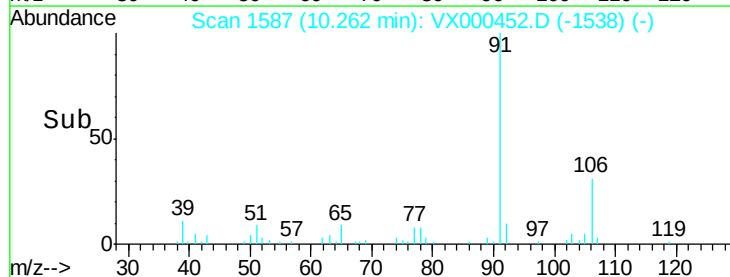
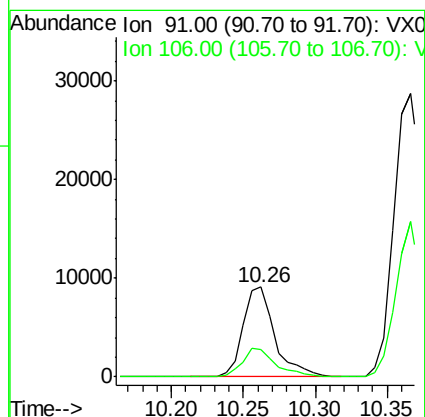
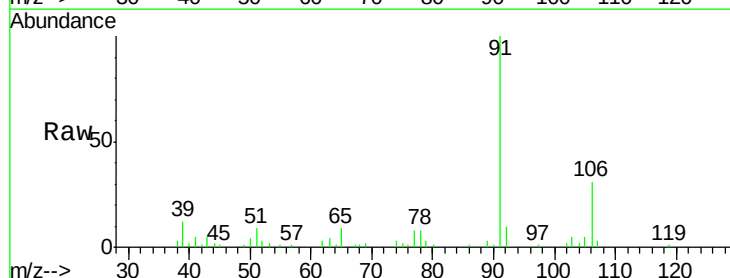
Acq: 26 Mar 2018 20:02

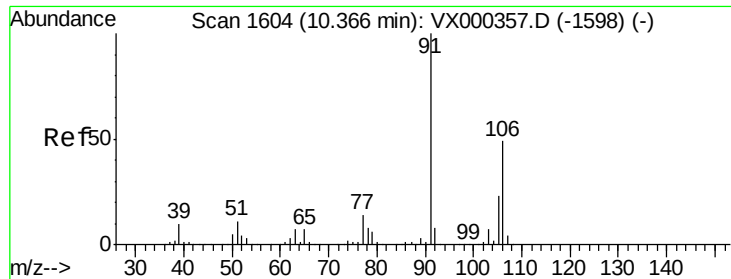
Tgt Ion: 91 Resp: 13937

Ion Ratio Lower Upper

91 100

106 30.7 25.0 37.6





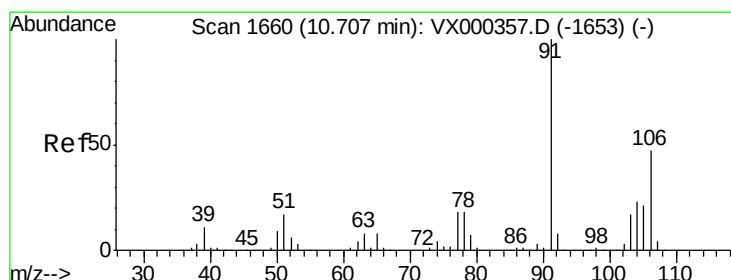
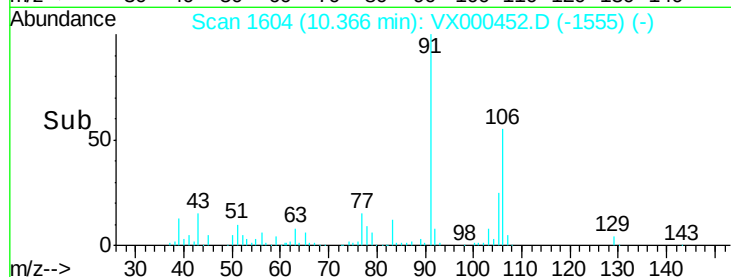
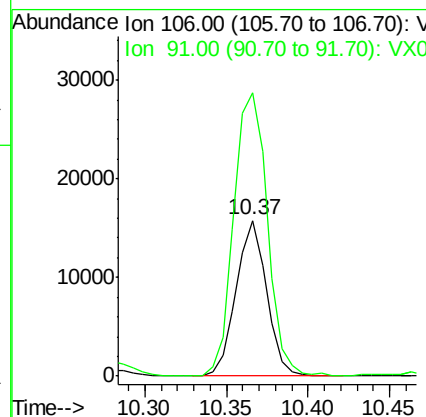
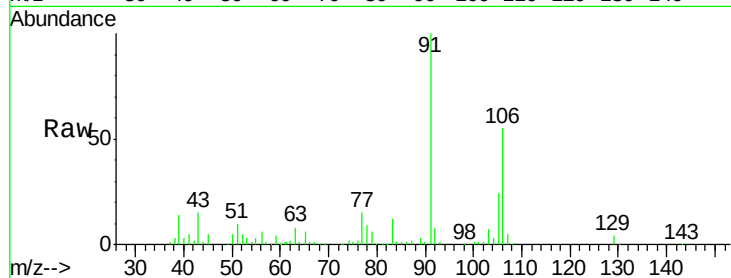
#68
m/p-Xylenes
Concen: 7.07 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000452.D
Acq: 26 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampleId :
22148

Tot Ion:106 Resp: 20573
Ion Ratio Lower Upper
106 100
91 200.0 163.4 245.2

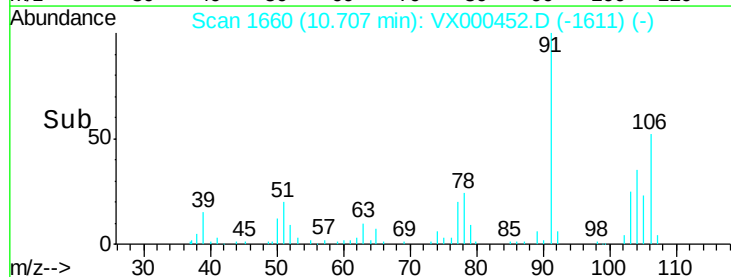
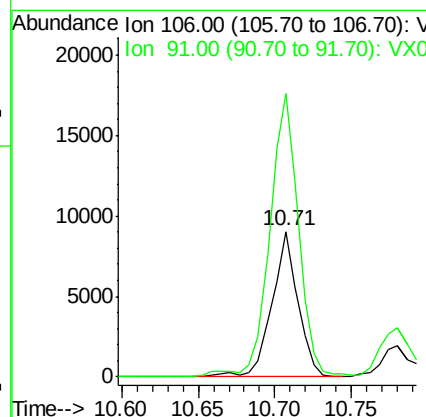
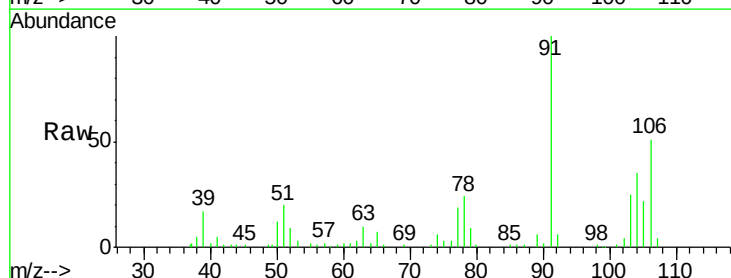
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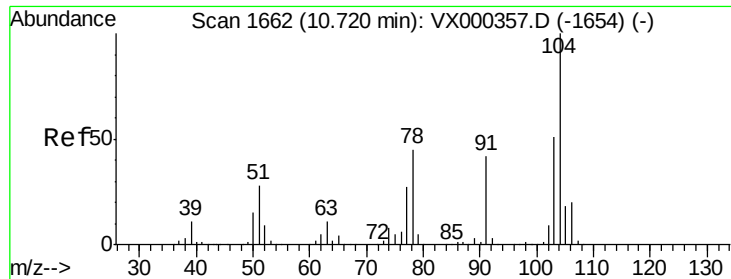
sam
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#69
o-Xylene
Concen: 3.84 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000452.D
Acq: 26 Mar 2018 20:02

Tgt Ion:106 Resp: 10823
Ion Ratio Lower Upper
106 100
91 214.9 106.5 319.6





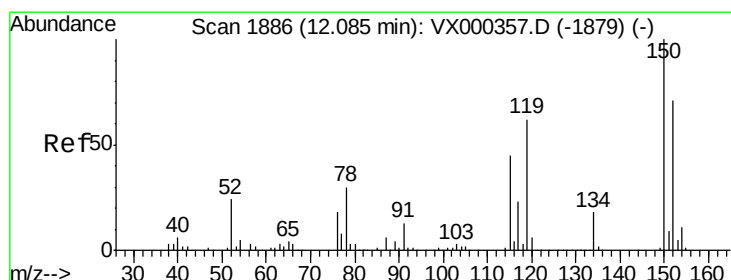
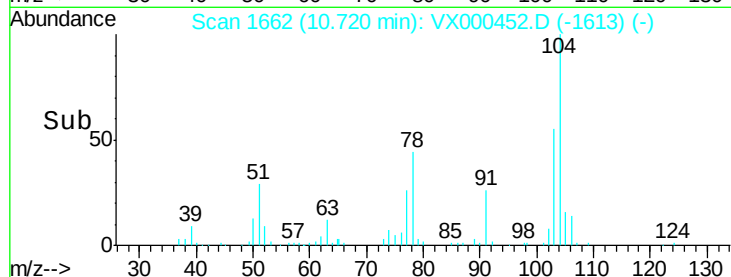
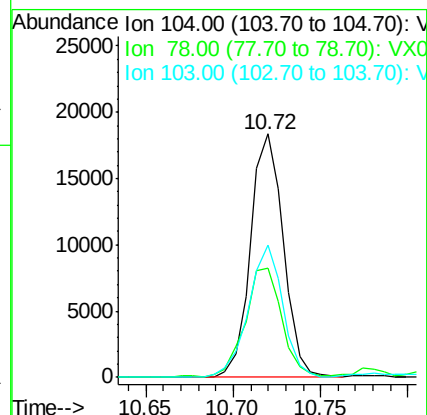
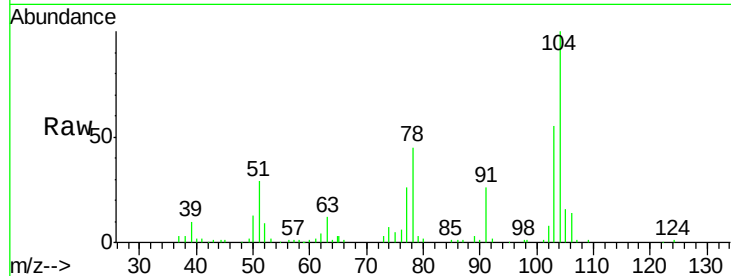
#70
Stvrene
Concen: 5.13 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000452.D
Acq: 26 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampled :
22148

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.8	40.5	60.7
103	57.0	45.7	68.5

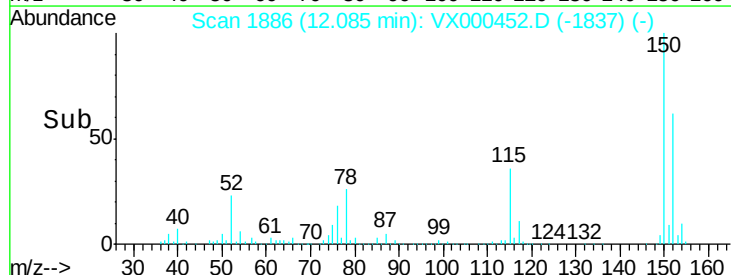
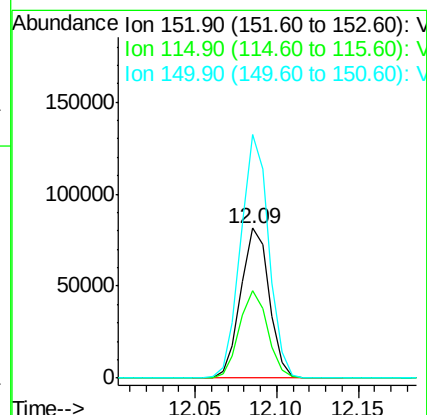
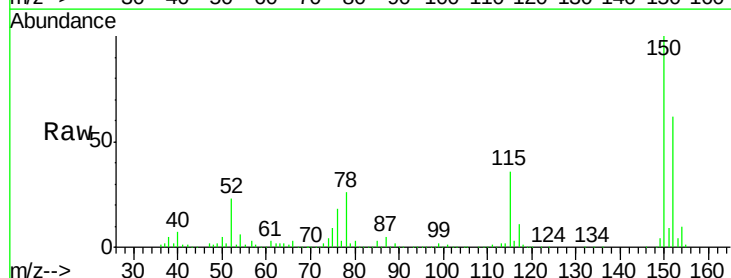
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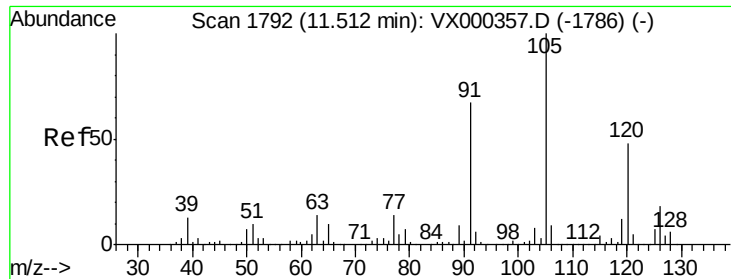
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000452.D
Acq: 26 Mar 2018 20:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	39.8	119.3
150	159.4	0.0	344.4





#80

1,3,5-Trimethylbenzene

Concen: 0.37 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX000452.D

Acq: 26 Mar 2018 20:02

Instrument :

MSVOA_X

ClientSampled :

22148

Tot Ion:105 Resp: 2043

Ion Ratio Lower Upper

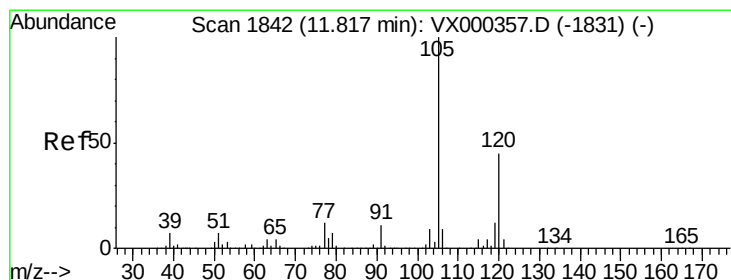
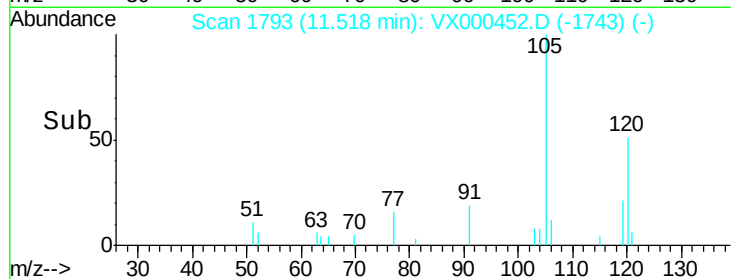
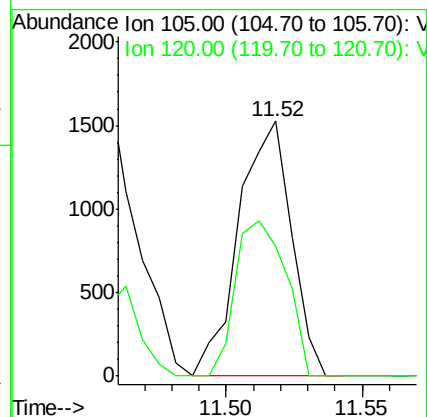
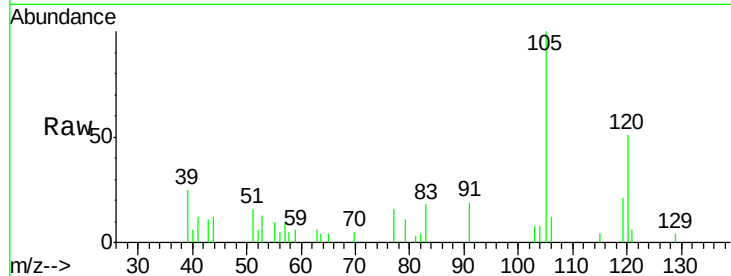
105 100

120 58.6 24.1 72.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 9.71 ug/l m

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000452.D

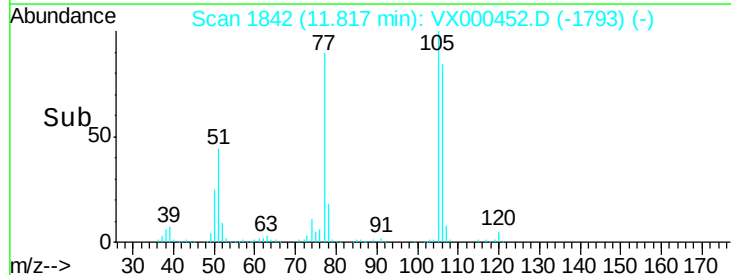
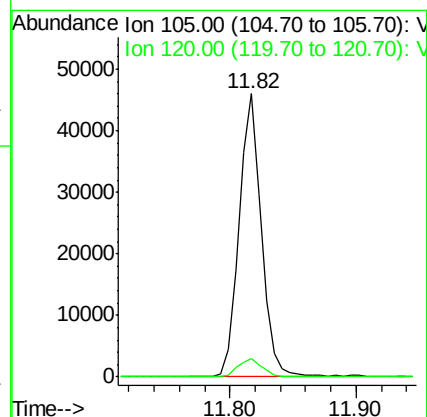
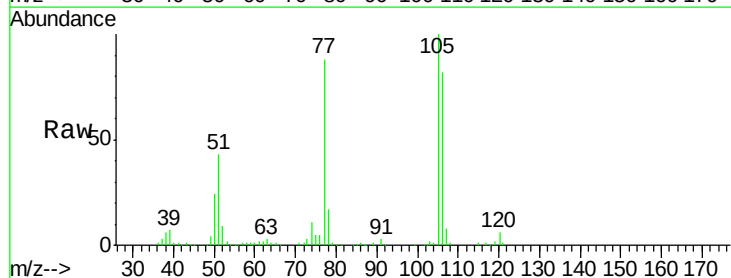
Acq: 26 Mar 2018 20:02

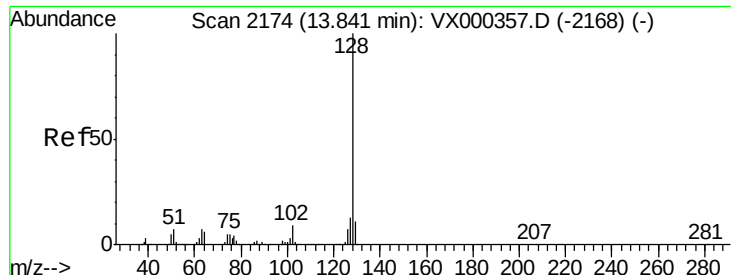
Tgt Ion:105 Resp: 56604

Ion Ratio Lower Upper

105 100

120 1.6 22.4 67.3#





#95
Naphthalene
Concen: 13.93 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000452.D
Acq: 26 Mar 2018 20:02

Instrument :
MSVOA_X
ClientSampleId :
22148

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.8	10.6	15.8
129	11.6	8.9	13.3

Manual Integrations
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sam
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