

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\
 Data File : VX000568.D
 Acq On : 30 Mar 2018 18:48
 Operator : JC/MD
 Sample : J2106-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 19606

Manual Integrations
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Quant Time: Apr 04 11:13:13 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	162846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	285486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	183464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	109519	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.04%		
35) Dibromofluoromethane	5.51	113	86783	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.48%		
50) Toluene-d8	8.73	98	362374	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.28%		
62) 4-Bromofluorobenzene	11.15	95	156055	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.24%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.31	56	2625	25.17	ug/l	98
16) Acetone	2.45	43	535869	303.04	ug/l	98
20) Methylene Chloride	2.87	84	3104	1.52	ug/l	98
25) 2-Butanone	4.72	43	132885	66.86	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	32364m	7.69	ug/l	
52) Toluene	8.79	92	12976	2.39	ug/l	95
86) p-Isopropyltoluene	12.07	119	16793	1.48	ug/l	90
95) Naphthalene	13.85	128	22703	1.51	ug/l	99

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

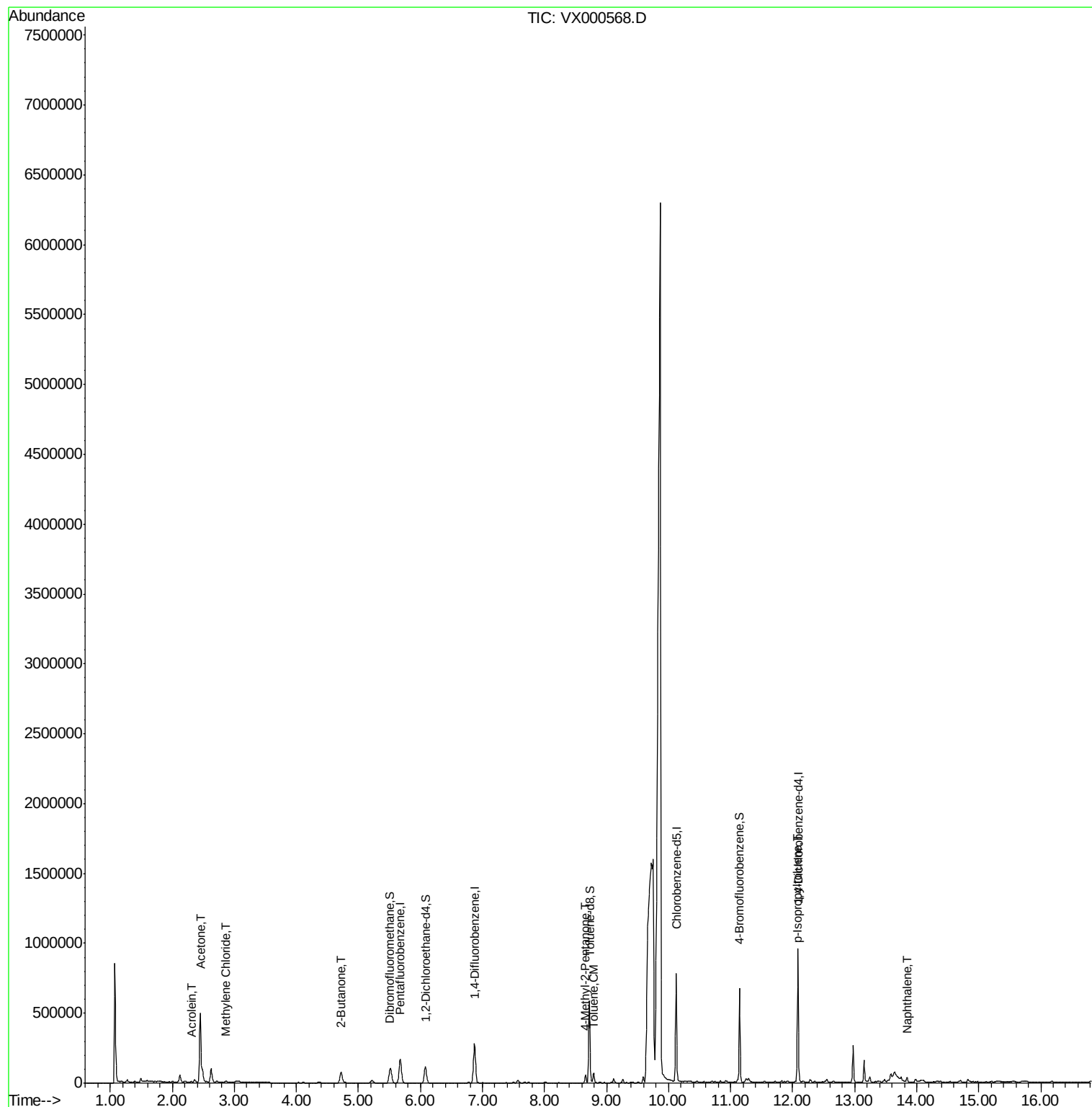
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\
Data File : VX000568.D
Acq On : 30 Mar 2018 18:48
Operator : JC/MD
Sample : J2106-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

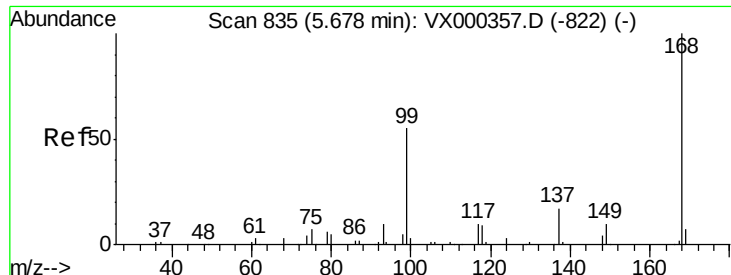
Instrument :
MSVOA_X
ClientSampleId :
19606

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Quant Time: Apr 04 11:13:13 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





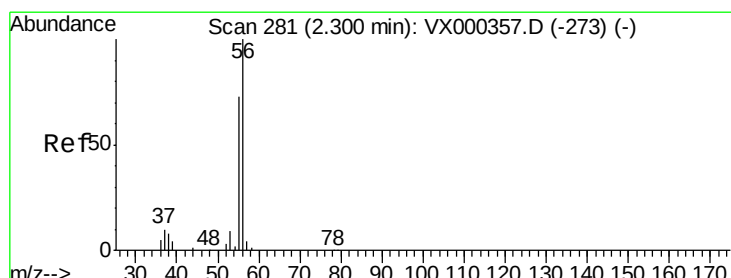
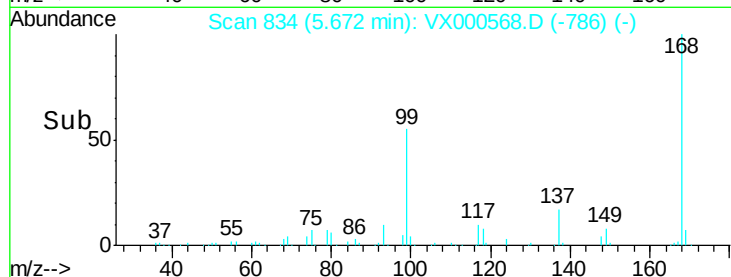
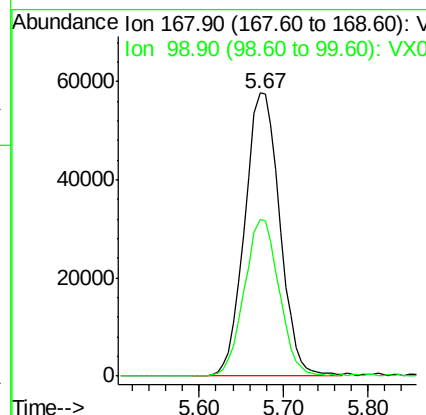
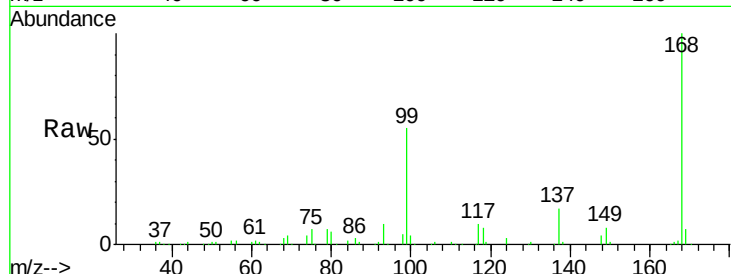
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000568.D
Acq: 30 Mar 2018 18:48

Instrument :
MSVOA_X
ClientSampleId :
19606

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.2	45.8	68.6

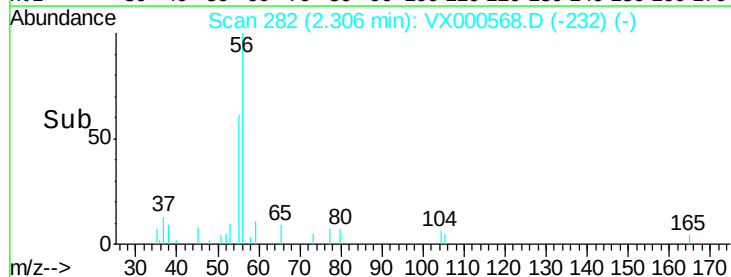
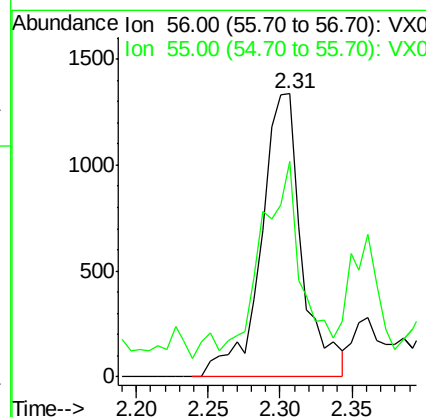
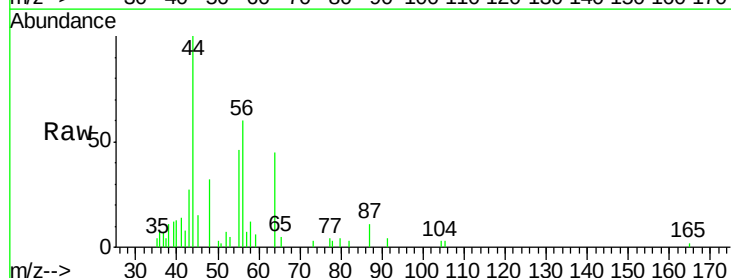
Manual Integrations
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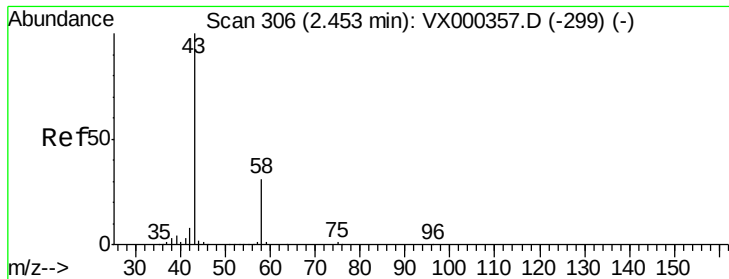
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#13
Acrolein
Concen: 25.17 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX000568.D
Acq: 30 Mar 2018 18:48

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.9	58.8	88.2





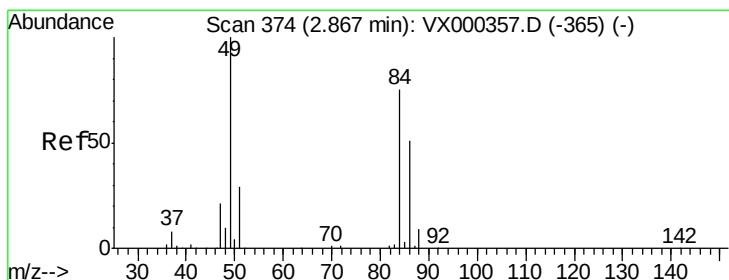
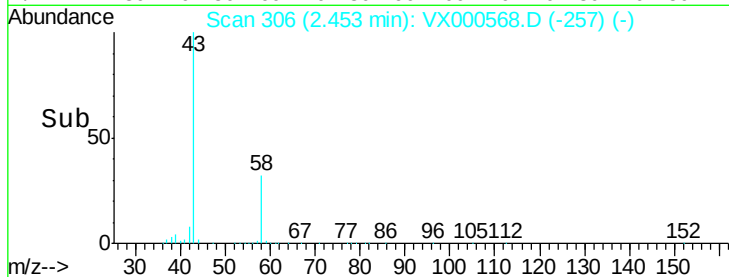
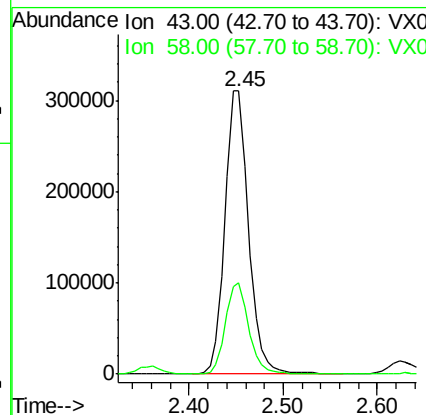
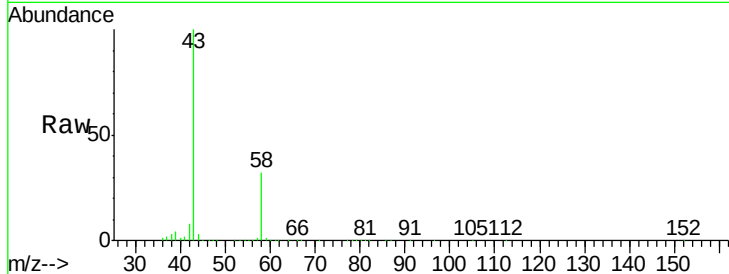
#16
Acetone
Concen: 303.04 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX000568.D
Acq: 30 Mar 2018 18:48

Instrument :
MSVOA_X
ClientSampleId :
19606

Tot Ion: 43 Resp: 535869
Ion Ratio Lower Upper
43 100
58 32.0 24.7 37.1

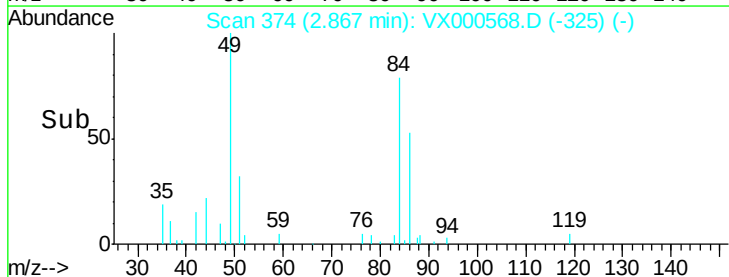
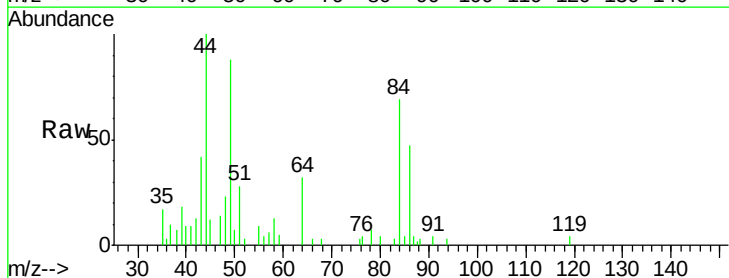
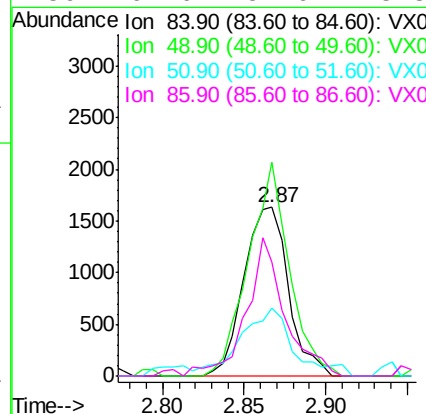
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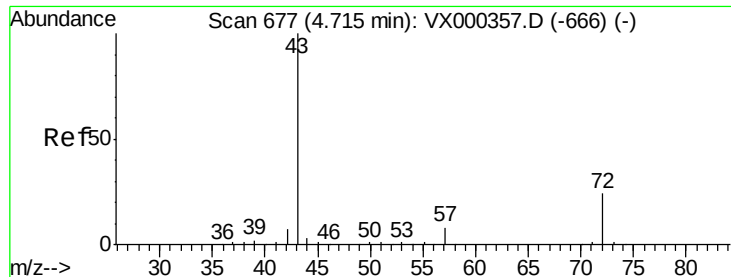
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#20
Methylene Chloride
Concen: 1.52 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000568.D
Acq: 30 Mar 2018 18:48

Tgt Ion: 84 Resp: 3104
Ion Ratio Lower Upper
84 100
49 126.7 100.6 151.0
51 37.0 31.6 47.4
86 67.6 52.6 78.8





#25

2-Butanone

Concen: 66.86 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000568.D

Acq: 30 Mar 2018 18:48

Instrument :

MSVOA_X

ClientSampled :

19606

Tot Ion: 43 Resp: 132885

Ion Ratio Lower Upper

43 100

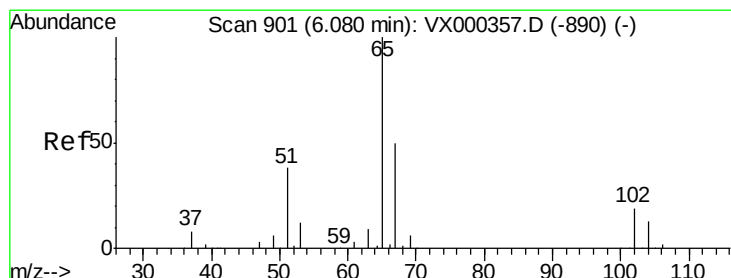
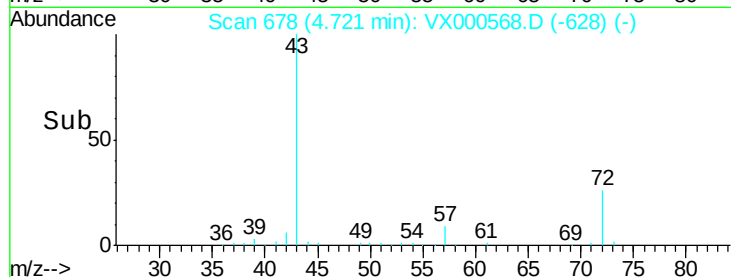
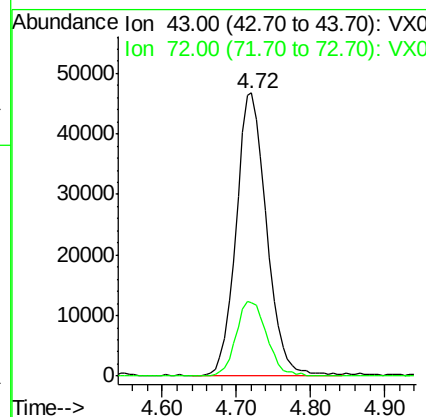
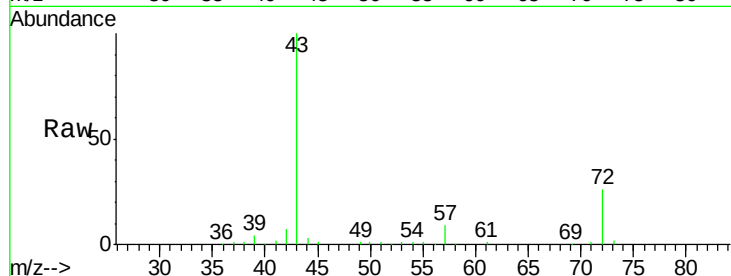
72 26.2 21.0 31.6

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: 51.52 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000568.D

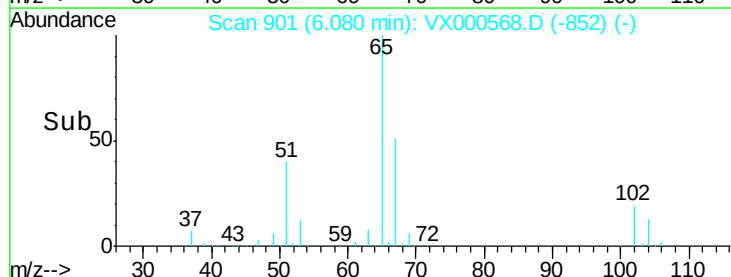
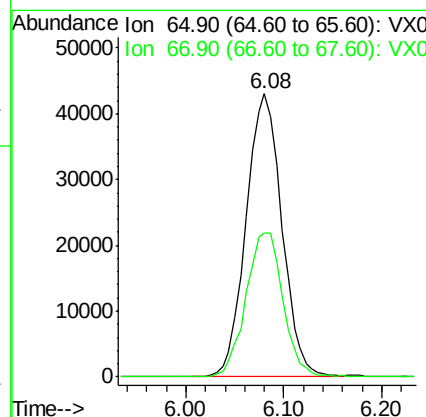
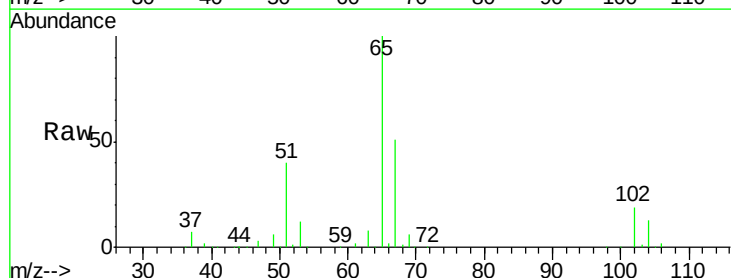
Acq: 30 Mar 2018 18:48

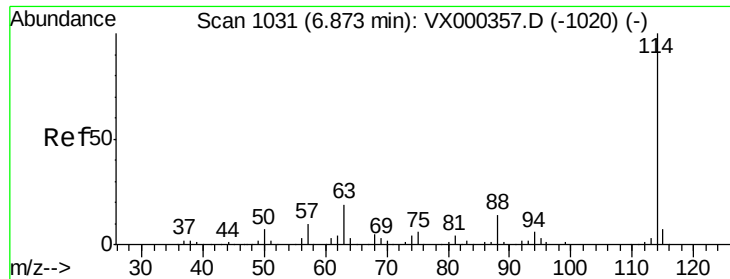
Tgt Ion: 65 Resp: 109519

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.2





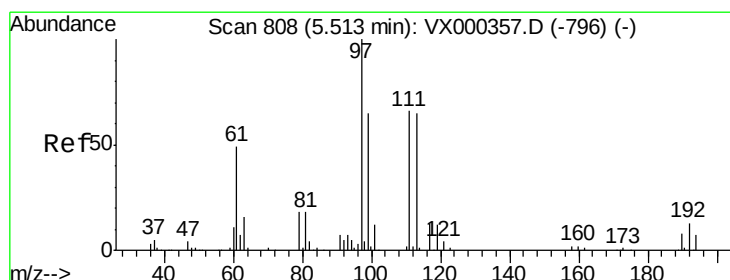
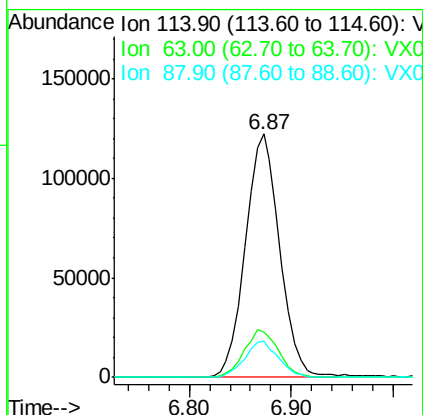
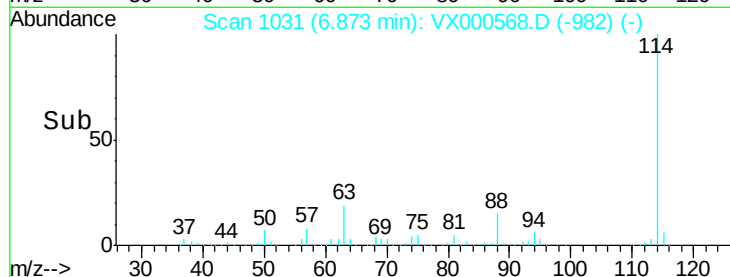
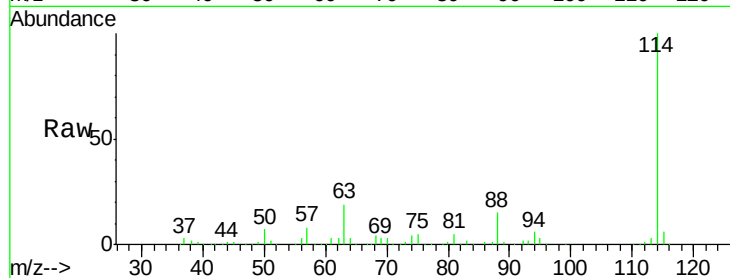
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VX000568.D
Acq: 30 Mar 2018 18:48

Instrument :
MSVOA_X
ClientSampleId :
19606

Tot Ion	Ratio	Resp	Lower	Upper
114	100	285486		
63	18.6		0.0	38.4
88	15.0		0.0	27.0

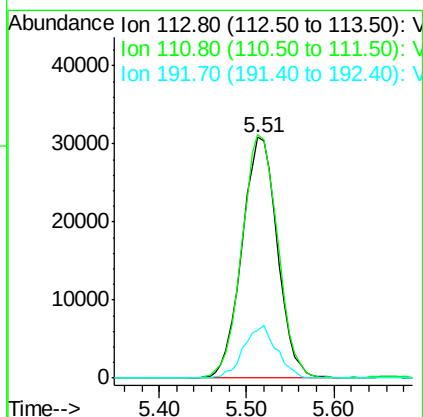
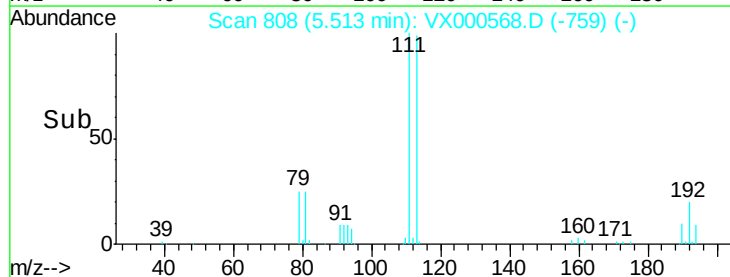
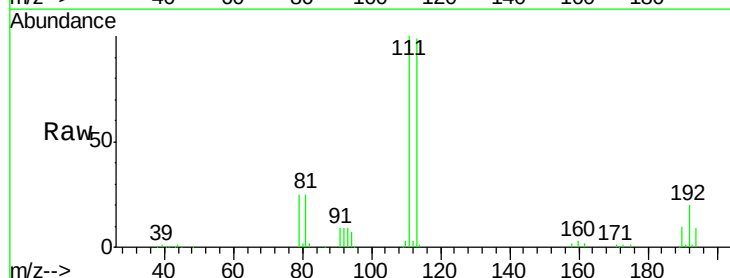
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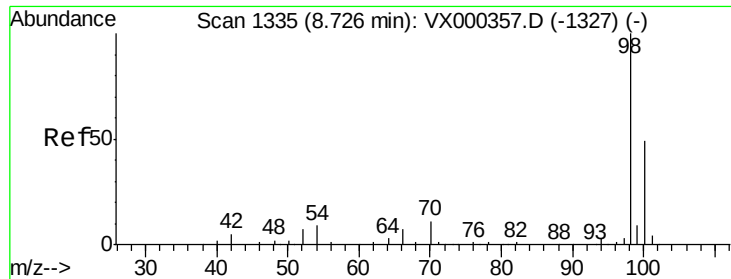
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#35
Dibromofluoromethane
Concen: 48.24 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX000568.D
Acq: 30 Mar 2018 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	86783		
111	102.5		82.4	123.6
192	20.3		15.8	23.6





#50

Toluene-d8

Concen: 48.64 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000568.D

Acq: 30 Mar 2018 18:48

Instrument :

MSVOA_X

ClientSampled :

19606

Tot Ion: 98 Resp: 362374

Ion Ratio Lower Upper

98 100

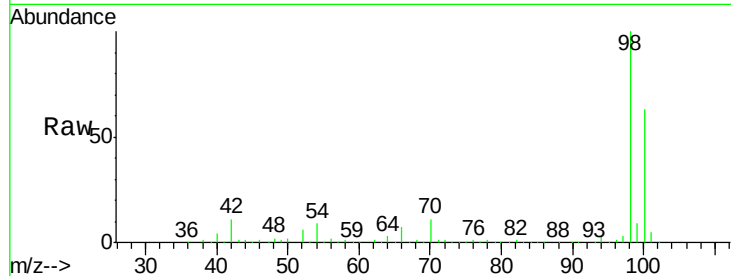
100 62.6 51.2 76.8

Manual Integrations

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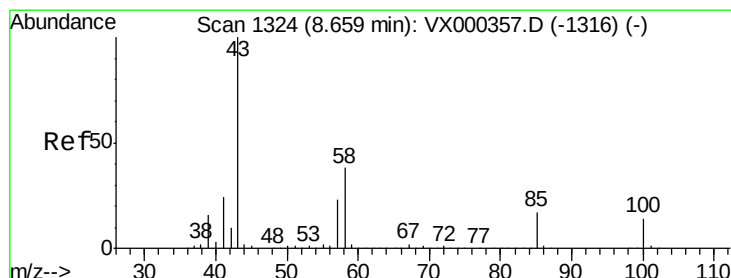
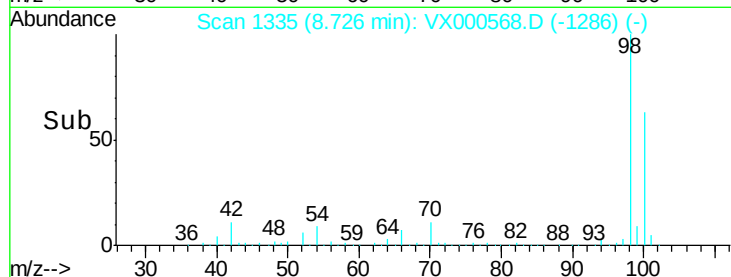
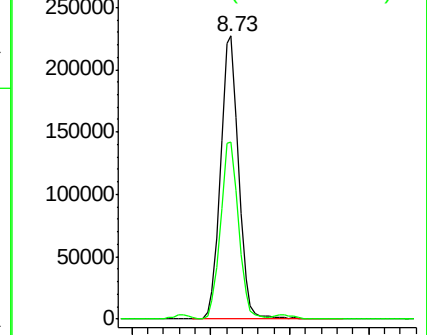
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 7.69 ug/l m

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000568.D

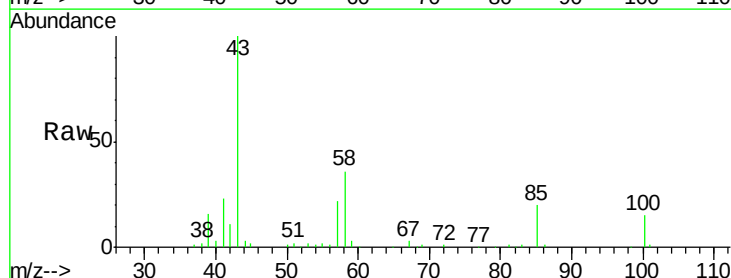
Acq: 30 Mar 2018 18:48

Tgt Ion: 43 Resp: 32364

Ion Ratio Lower Upper

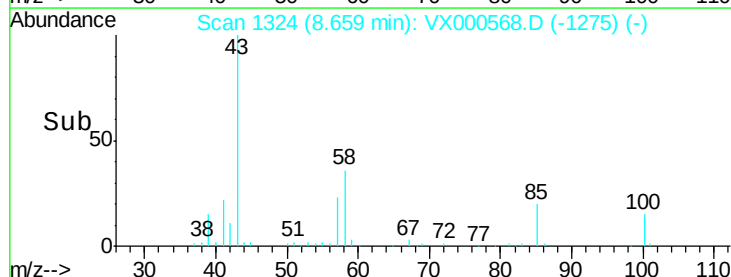
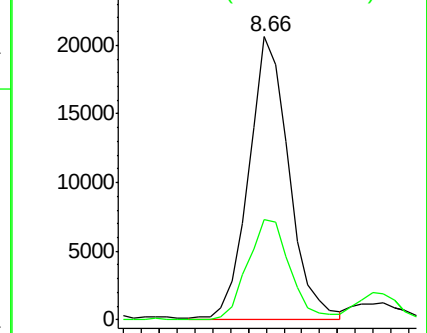
43 100

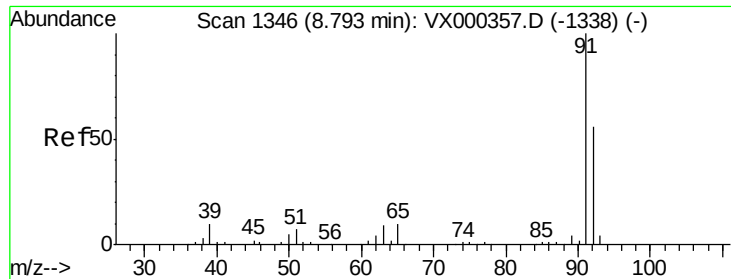
58 0.0 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 2.39 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000568.D

Acq: 30 Mar 2018 18:48

Instrument :

MSVOA_X

ClientSampled :

19606

Tot Ion: 92 Resp: 12976

Ion Ratio Lower Upper

92 100

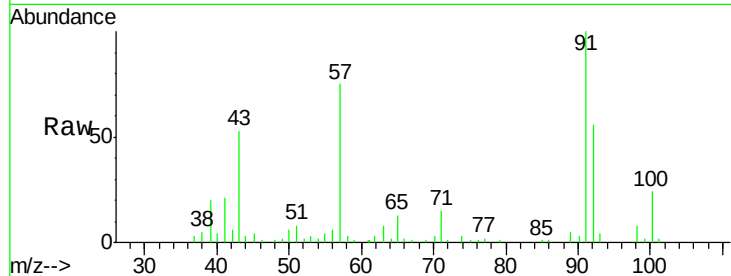
91 168.0 140.2 210.2

Manual Integrations

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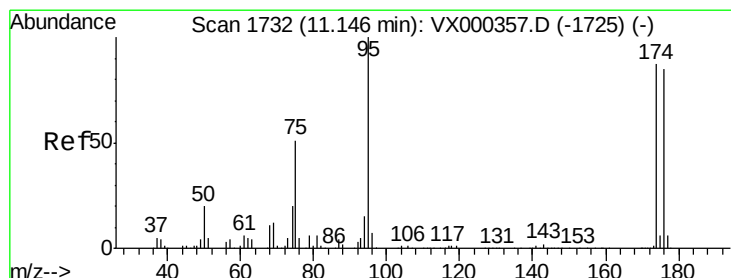
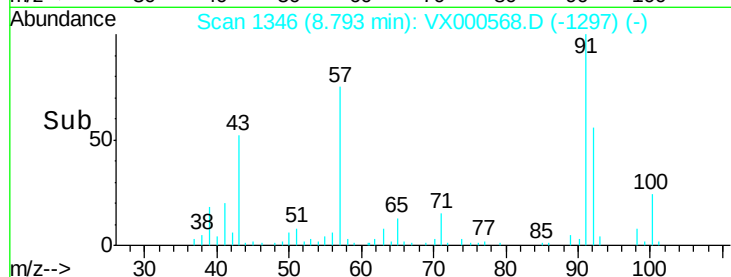
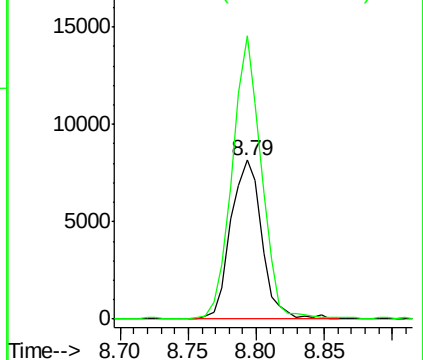
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 49.62 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000568.D

Acq: 30 Mar 2018 18:48

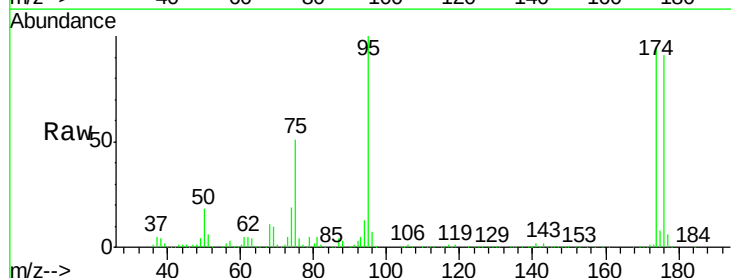
Tgt Ion: 95 Resp: 156055

Ion Ratio Lower Upper

95 100

174 91.7 0.0 173.6

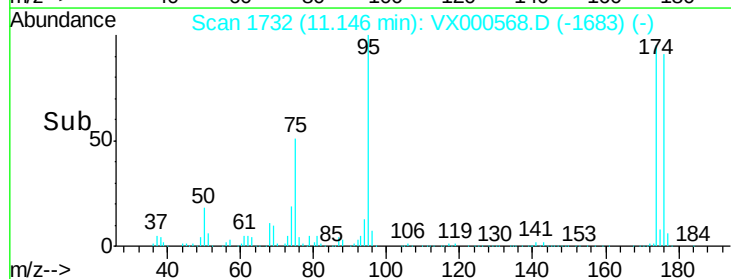
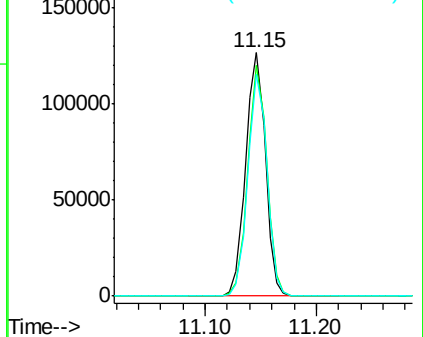
176 88.7 0.0 164.6

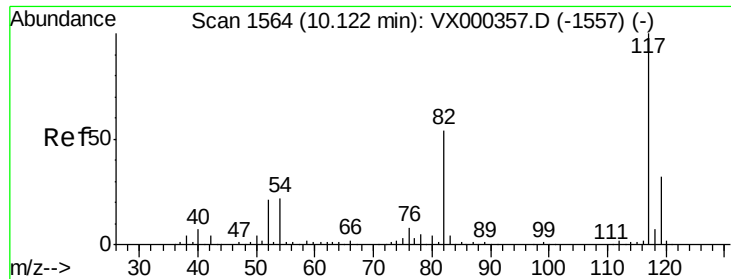


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





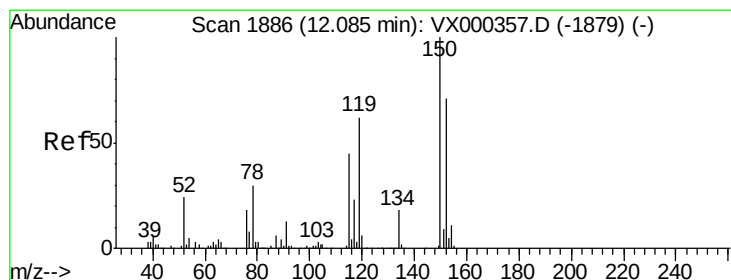
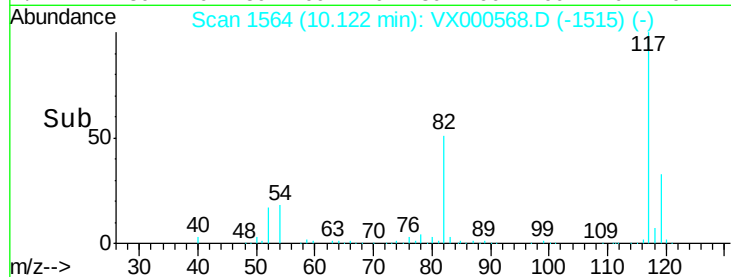
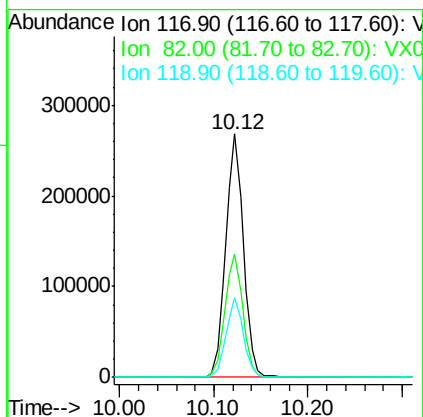
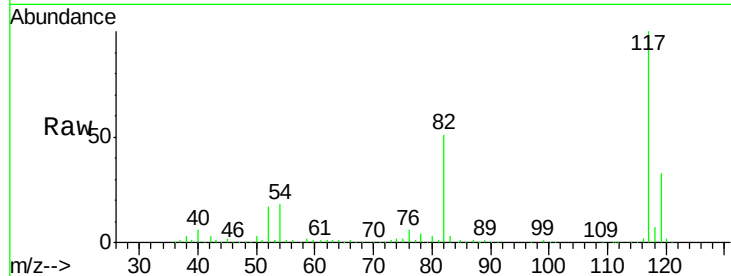
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000568.D
Acq: 30 Mar 2018 18:48

Instrument :
MSVOA_X
ClientSampled :
19606

Tot Ion	Ratio	Resp	Lower	Upper
117	100	351093		
82	50.7	43.8	65.8	
119	32.9	24.9	37.3	

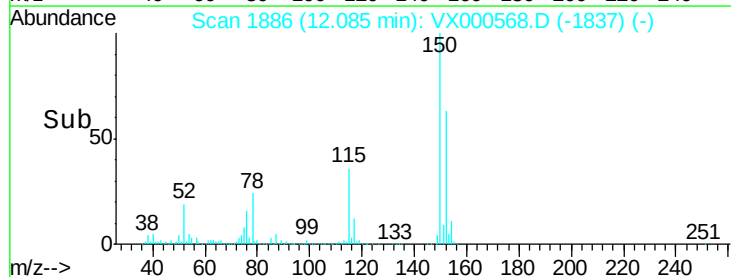
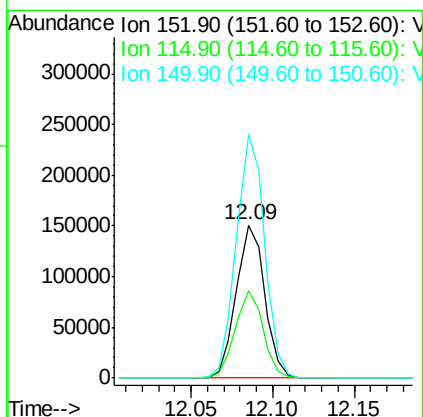
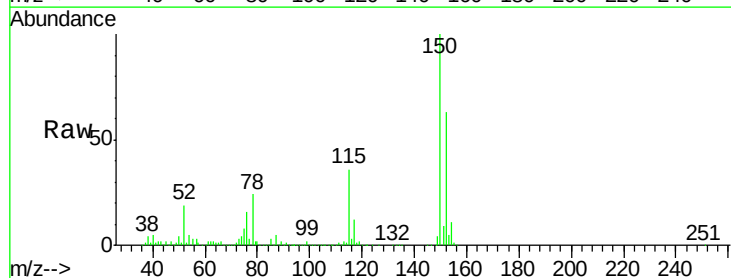
Manual Integrations
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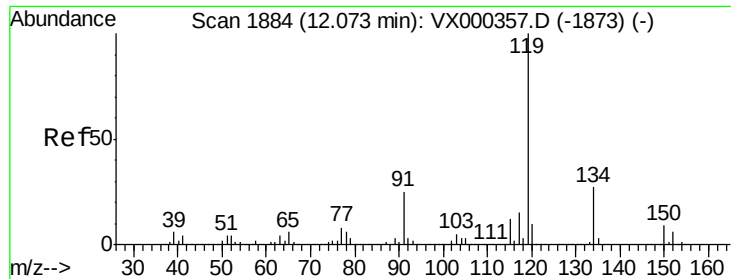
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000568.D
Acq: 30 Mar 2018 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	183464		
115	56.3	39.8	119.3	
150	158.8	0.0	344.4	





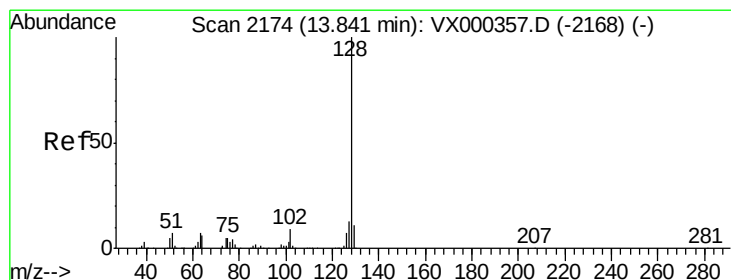
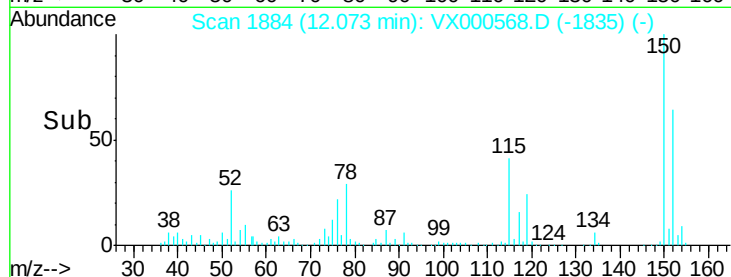
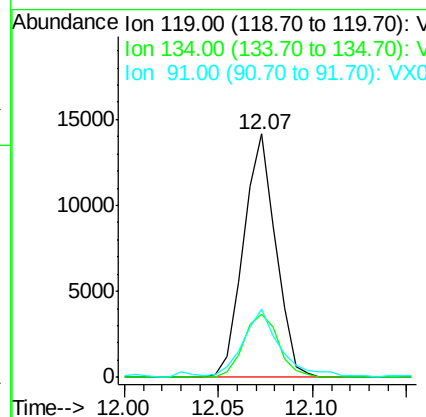
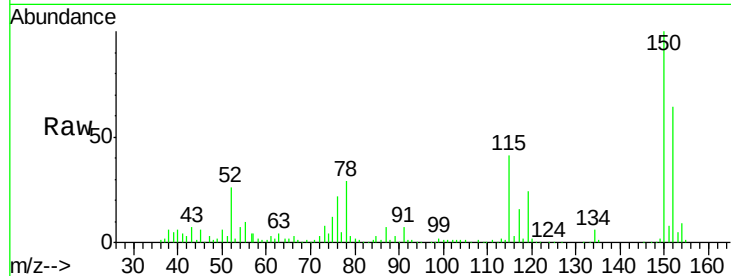
#86
p-Isopropyltoluene
Concen: 1.48 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX000568.D
Acq: 30 Mar 2018 18:48

Instrument :
MSVOA_X
ClientSampled :
19606

Tot Ion	Ratio	Resp	Lower	Upper
119	100	16793		
134	28.0		13.3	39.9
91	32.8		12.0	36.1

Manual Integrations
APPROVED

sam
4/4/2018 6:12:01 PM



#95
Naphthalene
Concen: 1.51 ug/l
RT: 13.85 min Scan# 2175
Delta R.T. 0.01 min
Lab File: VX000568.D
Acq: 30 Mar 2018 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	22703		
127	13.7		10.6	15.8
129	11.0		8.9	13.3

