

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004135.D
 Acq On : 17 Aug 2018 16:36
 Operator : JC/MD
 Sample : J4522-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1R

Manual Integrations
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MMDadoda
 8/20/2018 10:04:22 AM

Quant Time: Aug 20 09:44:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	394235	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	369535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213651	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	181421	52.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.84%	
35) Dibromofluoromethane	5.50	113	153777	52.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.24%	
50) Toluene-d8	8.71	98	596196	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	11.14	95	207894	47.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	34163	49.02	ug/l #	73
19) Methyl tert-butyl Ether	3.20	73	309170	33.96	ug/l #	45
22) Diisopropyl ether	3.87	45	13300	1.38	ug/l	93
31) Cyclohexane	5.57	56	3399m	0.71	ug/l	
40) Benzene	6.15	78	39903	2.96	ug/l	100
44) Trichloroethene	7.22	130	1832	0.50	ug/l	99
64) Tetrachloroethene	9.34	164	1767	0.50	ug/l	90
65) Chlorobenzene	10.14	112	5484	0.57	ug/l	99
83) tert-Butylbenzene	11.77	119	3373	0.28	ug/l #	69
85) sec-Butylbenzene	11.94	105	14370	1.03	ug/l #	78

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

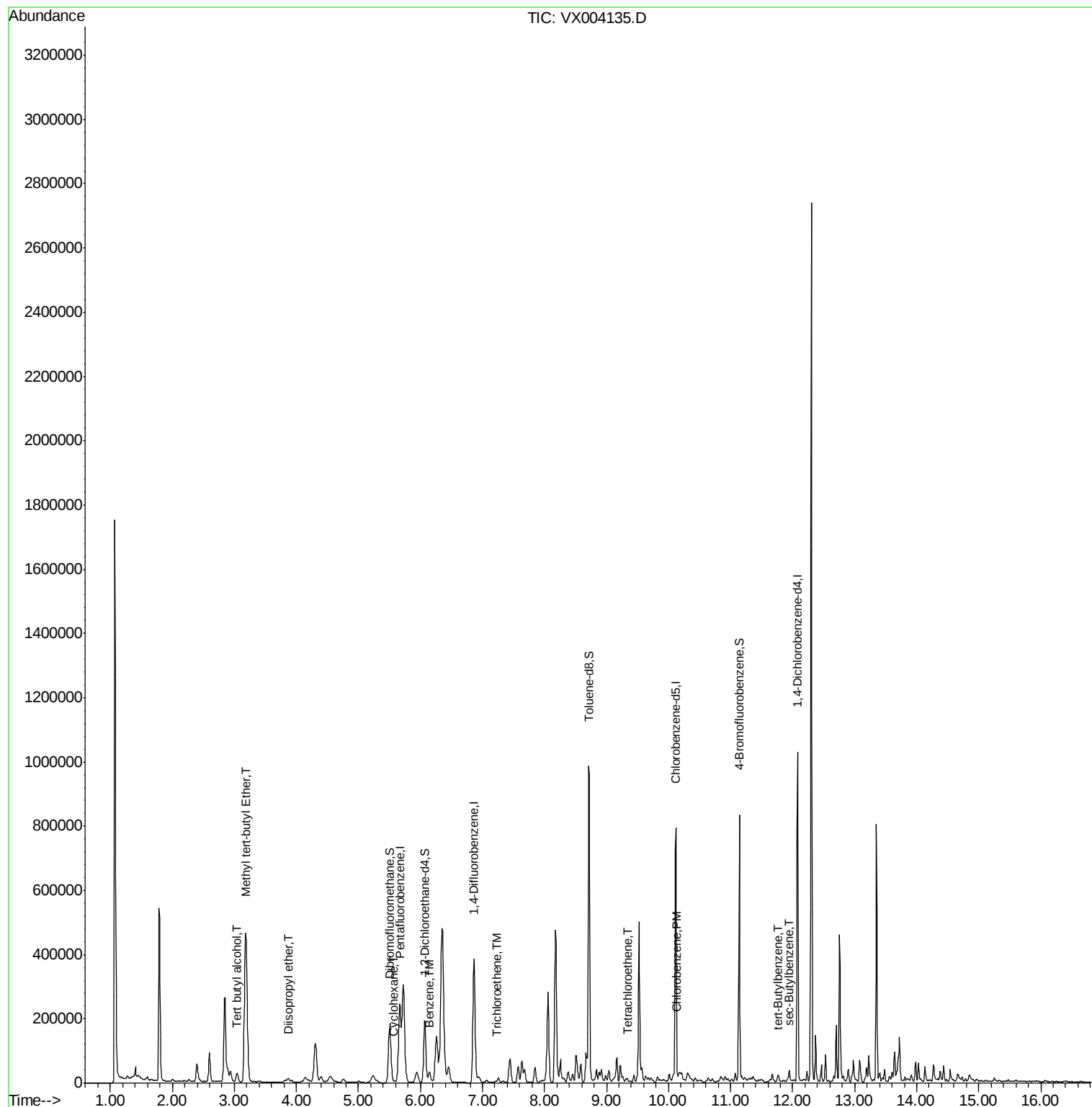
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081718\
Data File : VX004135.D
Acq On : 17 Aug 2018 16:36
Operator : JC/MD
Sample : J4522-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

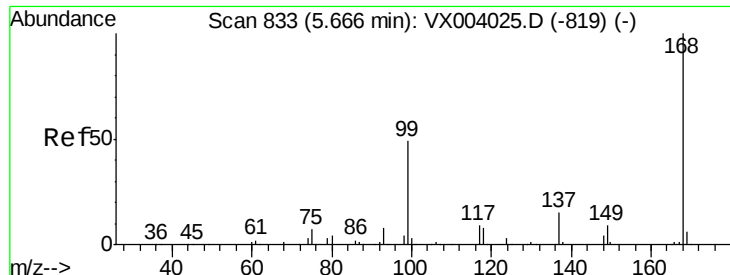
Instrument :
MSVOA_X
ClientSampleId :
MW-1R

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8/20/2018 10:04:22 AM

Quant Time: Aug 20 09:44:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004135.D

Acq: 17 Aug 2018 16:36

Instrument :

MSVOA_X

ClientSampled :

MW-1R

Tot Ion:168 Resp: 245635

Ion Ratio Lower Upper

168 100

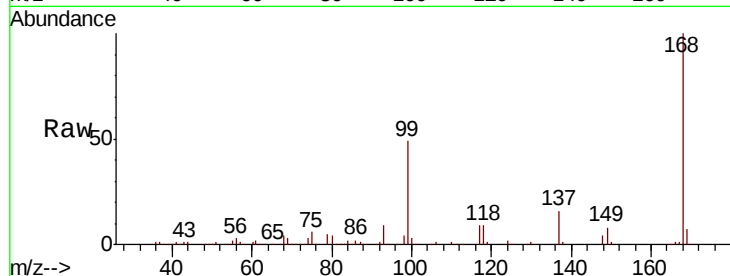
99 49.1 40.1 60.1

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

5.67

80000

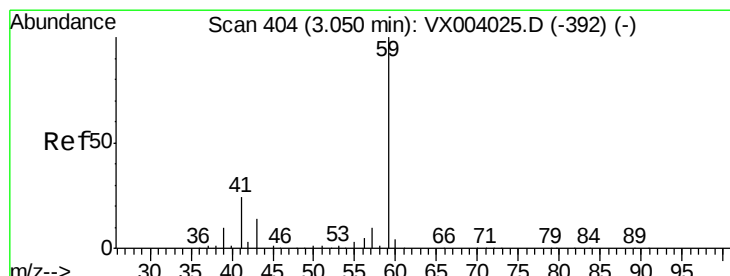
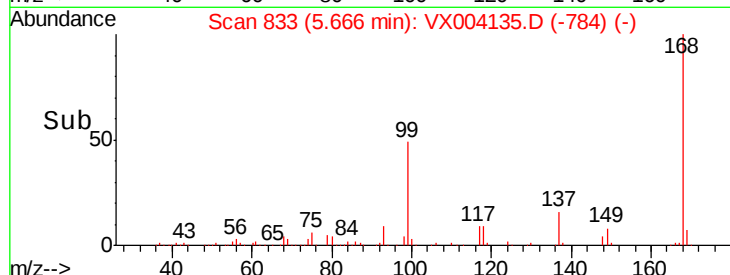
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 49.02 ug/l

RT: 3.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VX004135.D

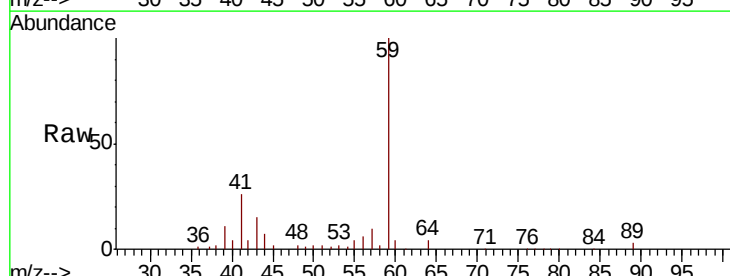
Acq: 17 Aug 2018 16:36

Tgt Ion: 59 Resp: 34163

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

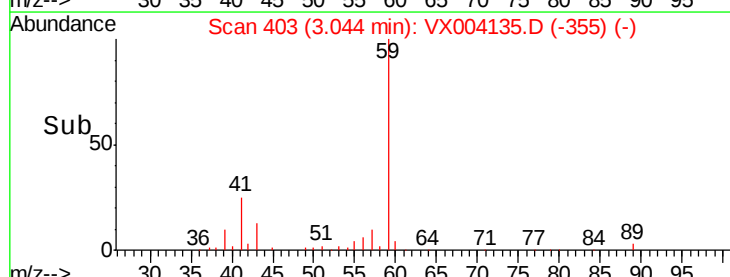
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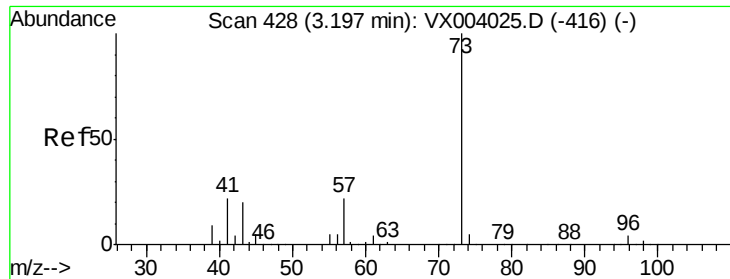
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50000

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Time-->





#19

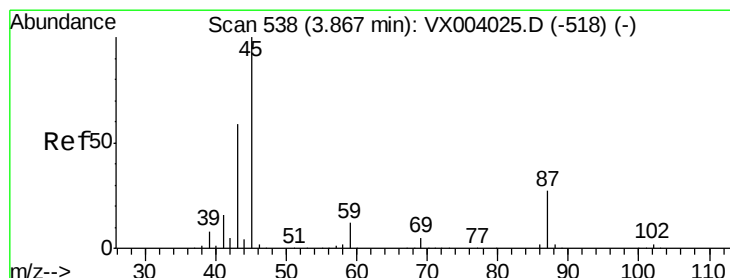
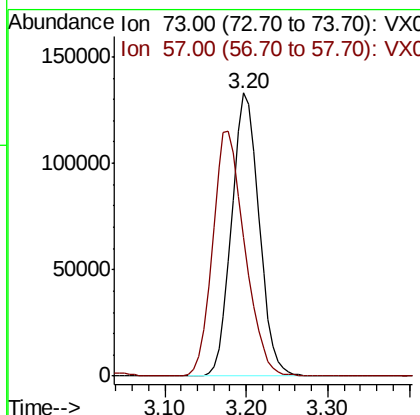
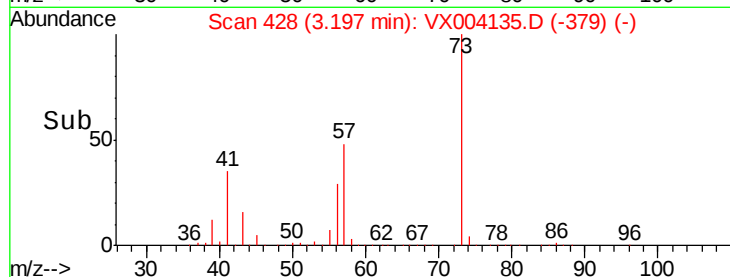
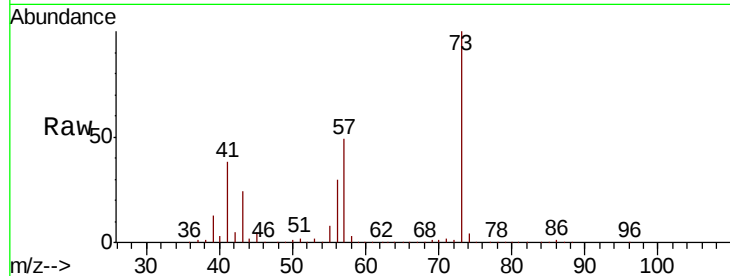
Methyl tert-butyl Ether
 Concen: 33.96 ug/l
 RT: 3.20 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VX004135.D
 Acq: 17 Aug 2018 16:36

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1R

Tot Ion	Ratio	Lower	Upper
73	100		
57	48.8	18.0	27.0#

Manual Integrations
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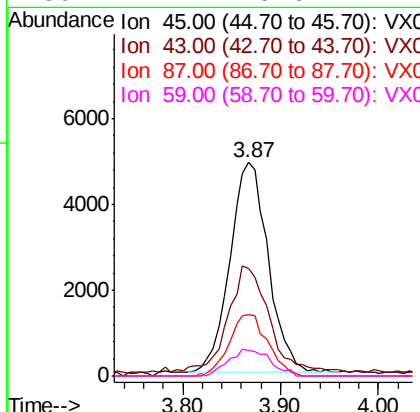
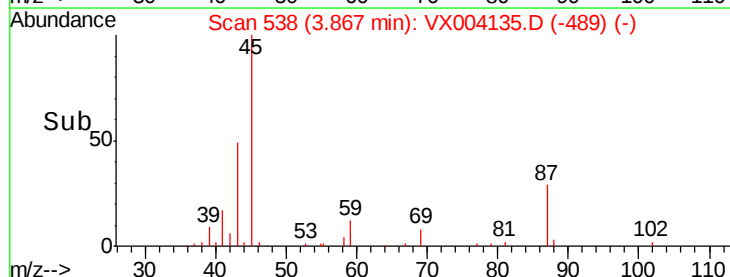
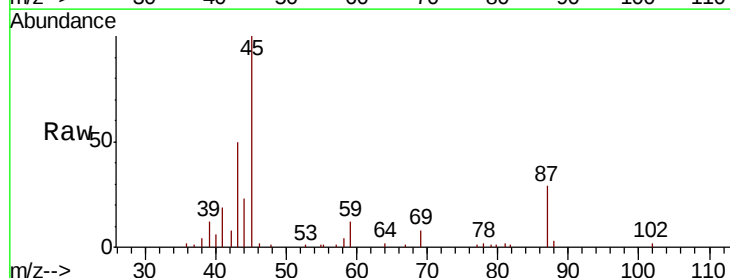
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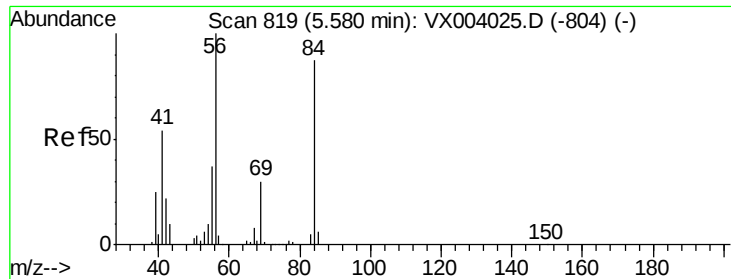


#22

Diisopropyl ether
 Concen: 1.38 ug/l
 RT: 3.87 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VX004135.D
 Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	48.3	45.3	67.9
87	29.2	22.7	34.1
59	12.4	9.6	14.4





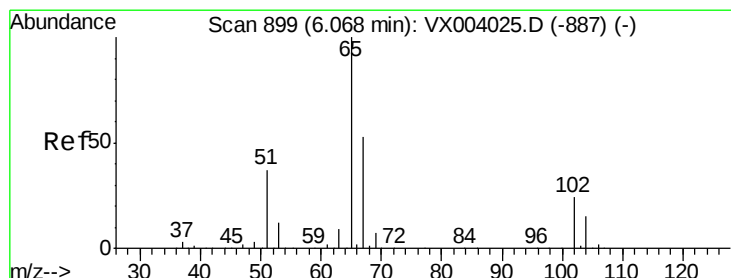
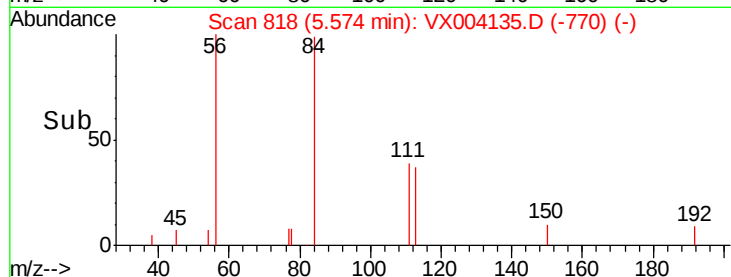
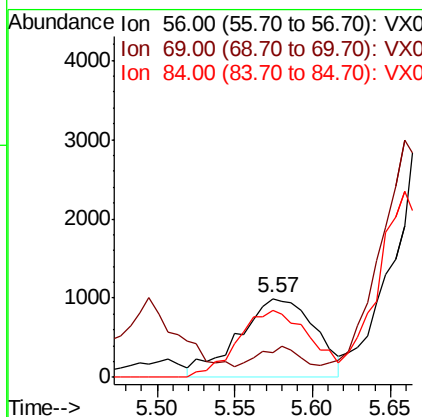
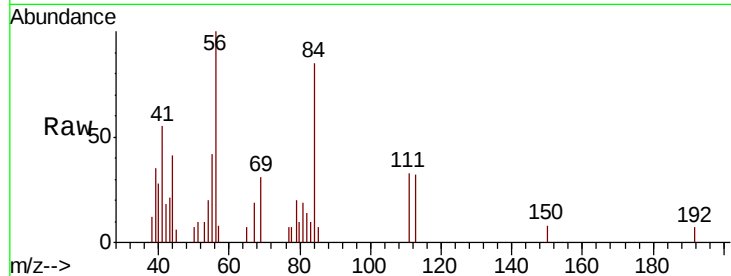
#31
Cyclohexane
Concen: 0.71 ug/l m
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX004135.D
Acq: 17 Aug 2018 16:36

Instrument :
MSVOA_X
ClientSampled :
MW-1R

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.9	37.3
84	85.0	71.7	107.5

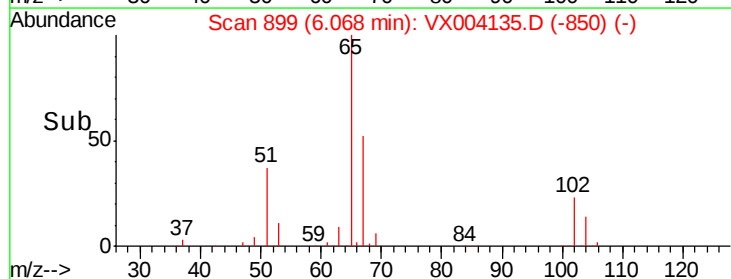
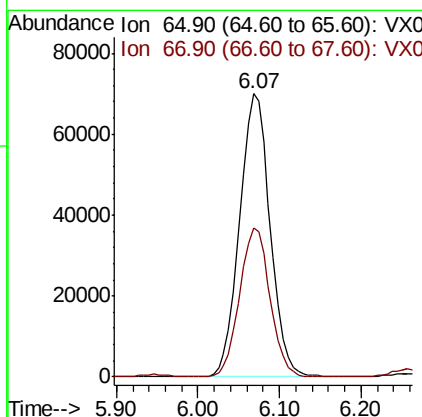
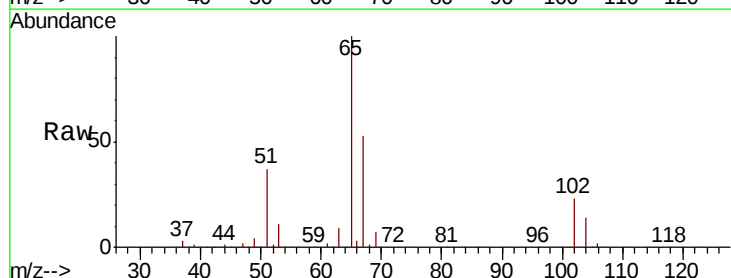
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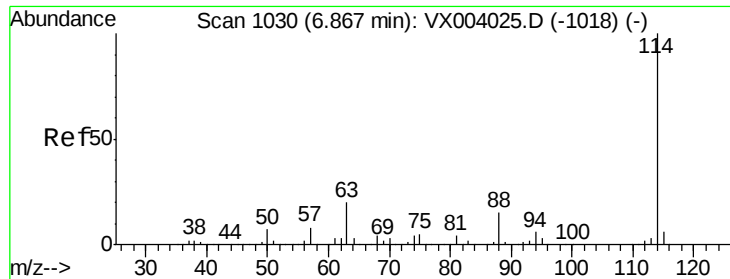
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#33
1,2-Dichloroethane-d4
Concen: 52.42 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004135.D
Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.8





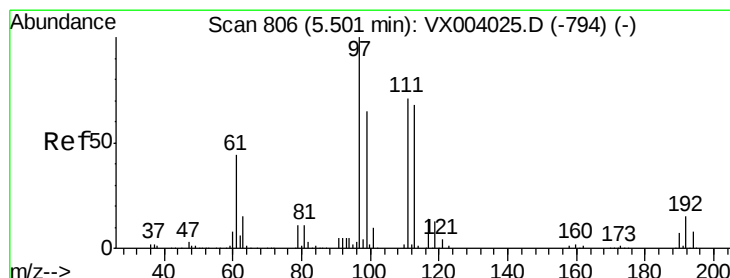
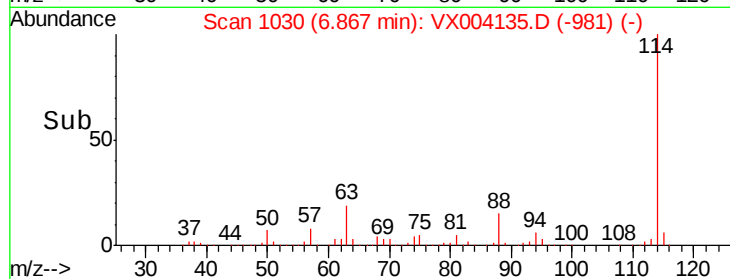
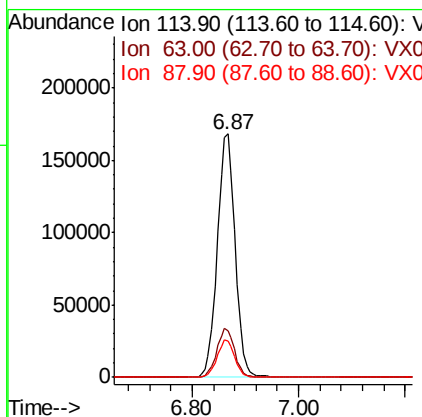
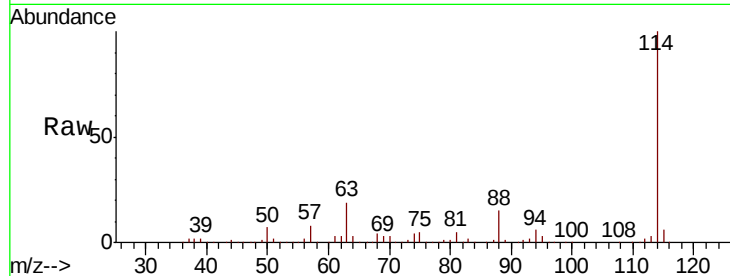
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VX004135.D
Acq: 17 Aug 2018 16:36

Instrument :
MSVOA_X
ClientSampled :
MW-1R

Tot Ion	Ratio	Resp	Lower	Upper
114	100	394235		
63	18.9		0.0	39.0
88	15.1		0.0	32.0

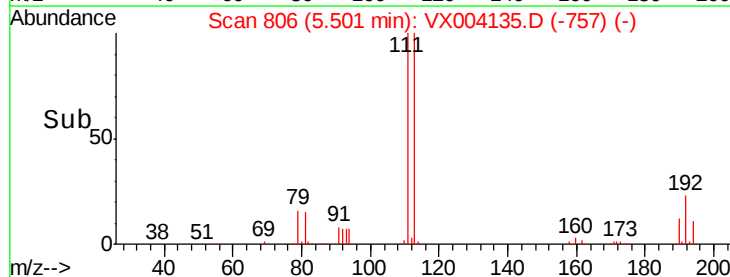
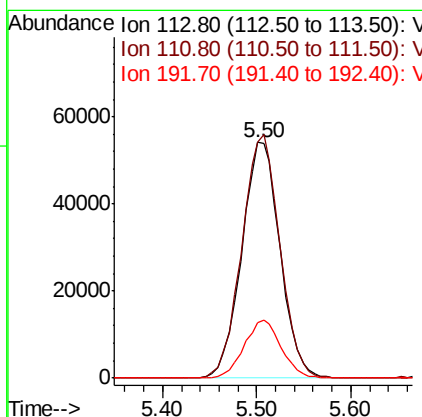
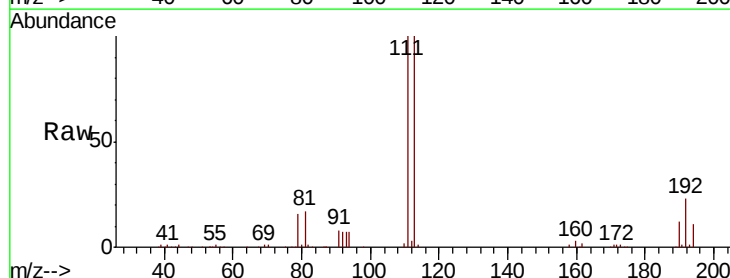
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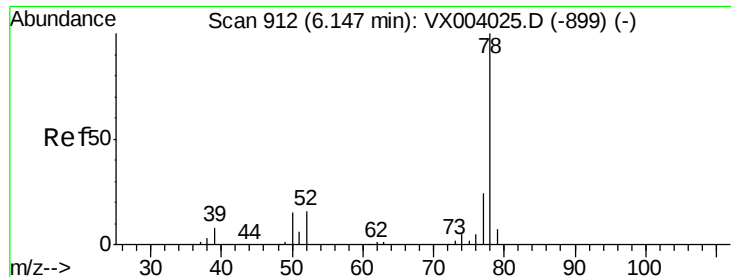
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#35
Dibromofluoromethane
Concen: 52.12 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004135.D
Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	153777		
111	103.0		82.0	123.0
192	23.8		19.0	28.4





#40

Benzene

Concen: 2.96 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX004135.D

Acq: 17 Aug 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

MW-1R

Tot Ion: 78 Resp: 39903

Ion Ratio Lower Upper

78 100

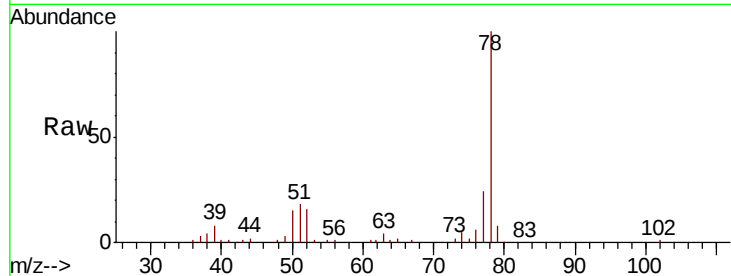
77 23.8 19.0 28.4

Manual Integrations

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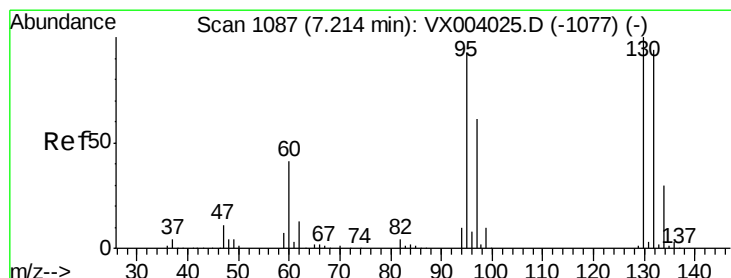
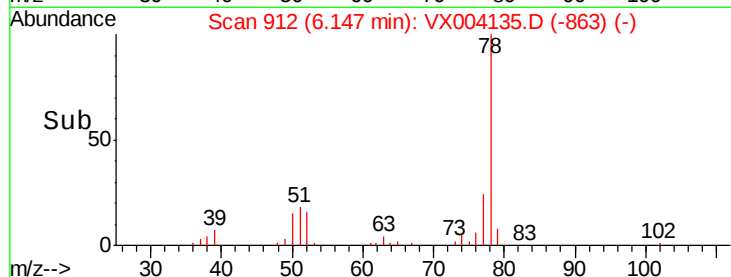
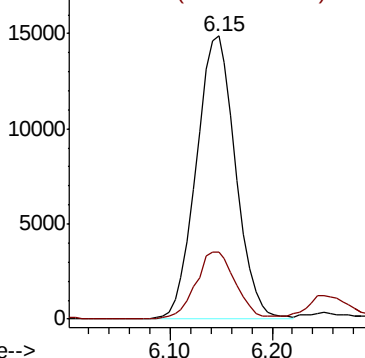
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#44

Trichloroethene

Concen: 0.50 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX004135.D

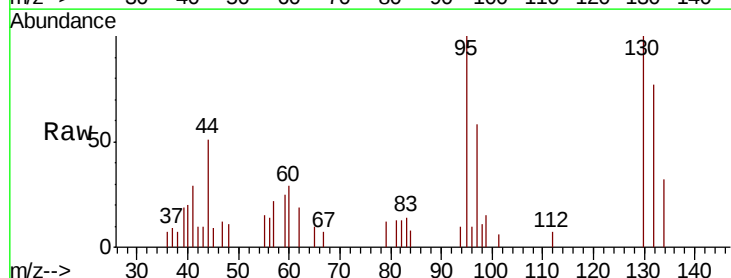
Acq: 17 Aug 2018 16:36

Tgt Ion:130 Resp: 1832

Ion Ratio Lower Upper

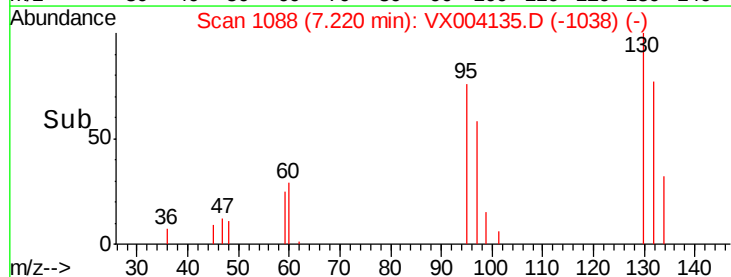
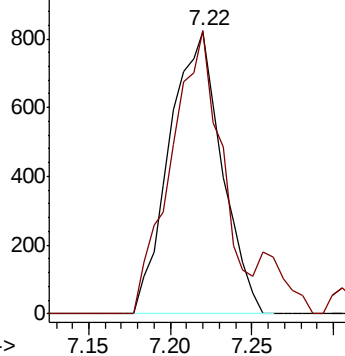
130 100

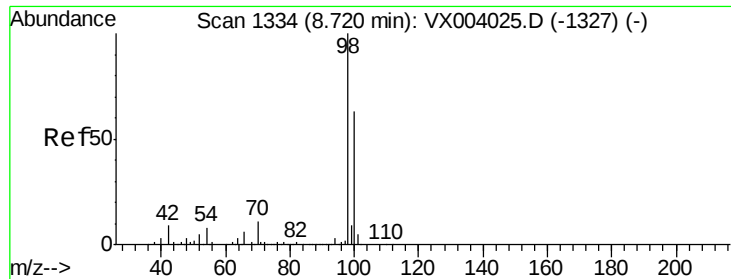
95 100.2 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.84 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX004135.D

Acq: 17 Aug 2018 16:36

Instrument :

MSVOA_X

ClientSampleId :

MW-1R

Tot Ion: 98 Resp: 596196

Ion Ratio Lower Upper

98 100

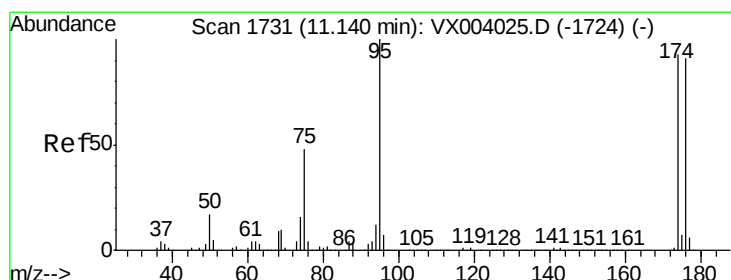
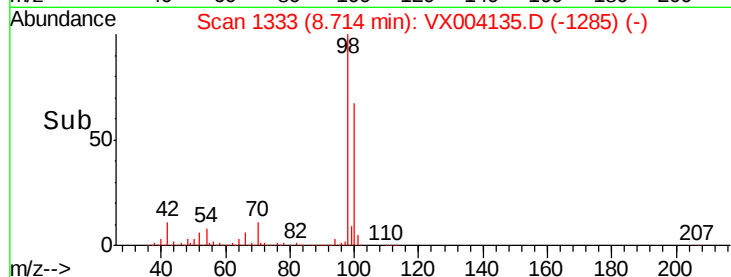
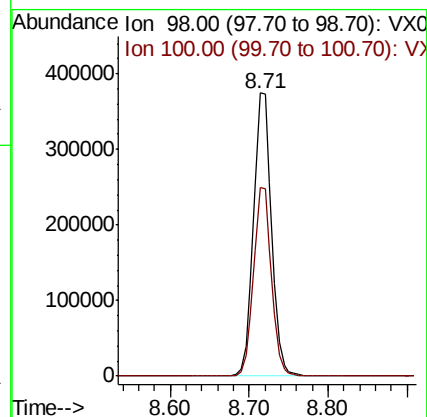
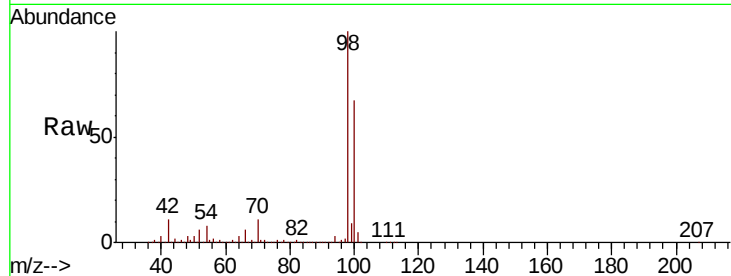
100 66.2 53.3 79.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.91 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004135.D

Acq: 17 Aug 2018 16:36

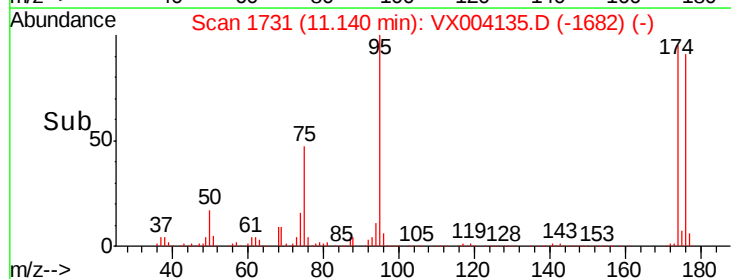
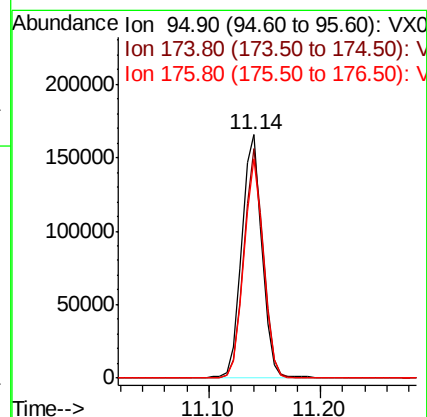
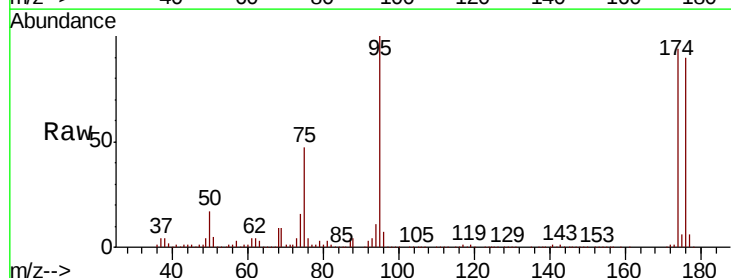
Tgt Ion: 95 Resp: 207894

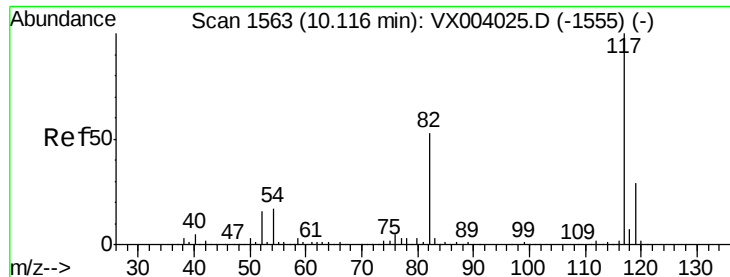
Ion Ratio Lower Upper

95 100

174 91.1 0.0 182.8

176 87.5 0.0 179.0





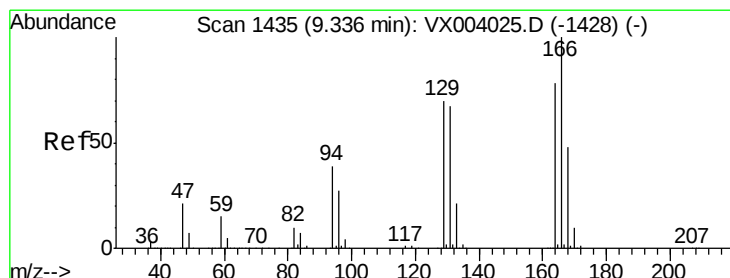
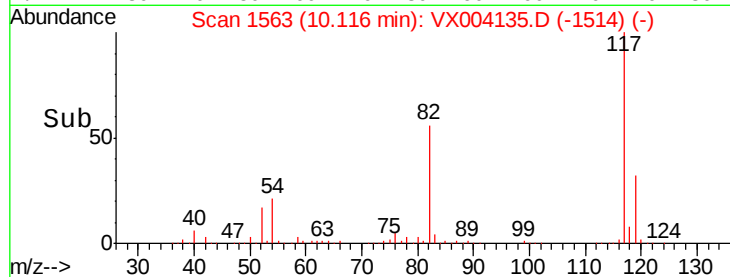
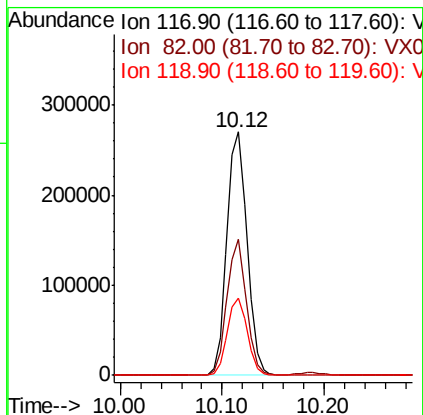
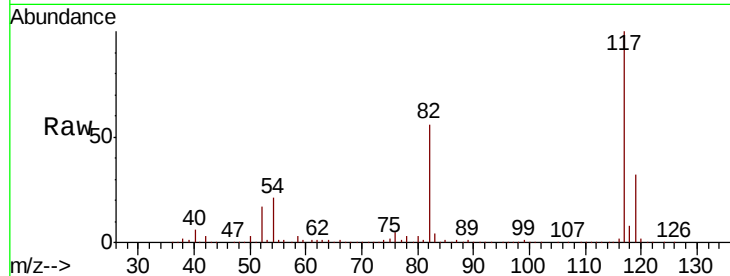
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004135.D
Acq: 17 Aug 2018 16:36

Instrument :
MSVOA_X
ClientSampled :
MW-1R

Tot Ion	Ratio	Resp	Lower	Upper
117	100	369535		
82	55.9	45.4	68.0	
119	31.8	26.6	40.0	

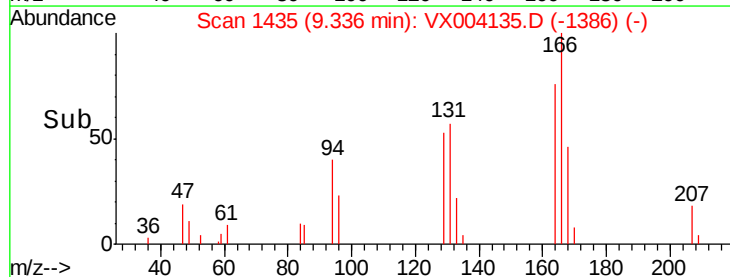
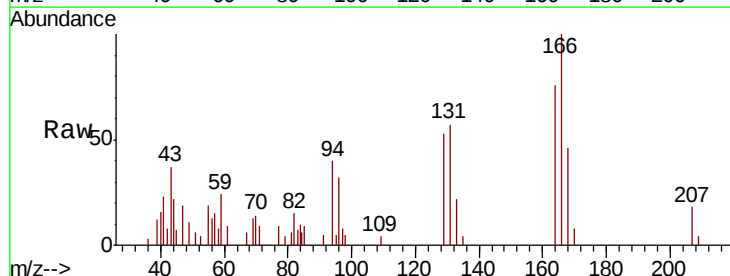
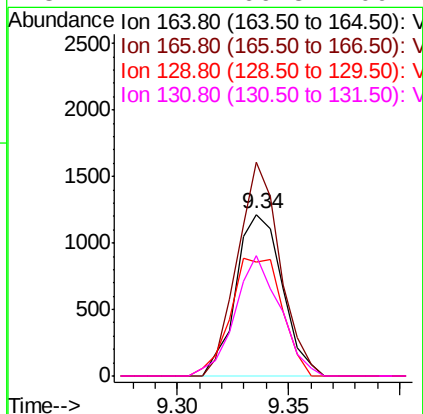
Manual Integrations
APPROVED

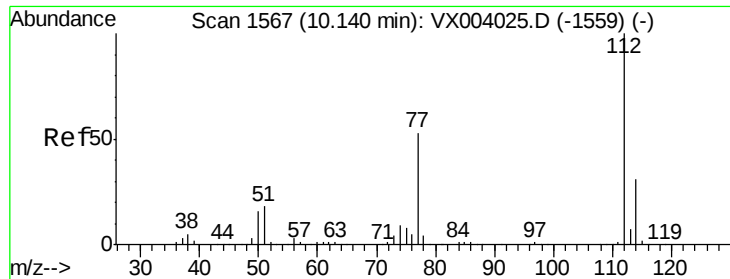
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8/20/2018 10:04:22 AM



#64
Tetrachloroethene
Concen: 0.50 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004135.D
Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1767		
166	132.0	98.0	147.0	
129	70.5	64.3	96.5	
131	74.7	66.8	100.2	





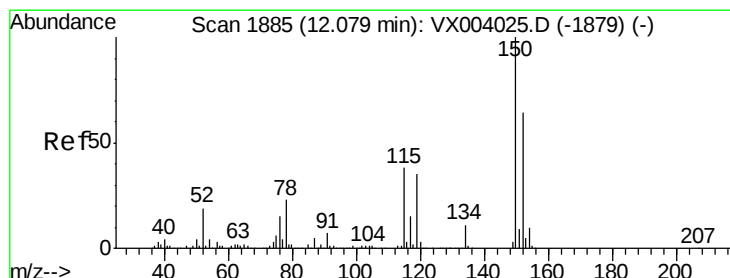
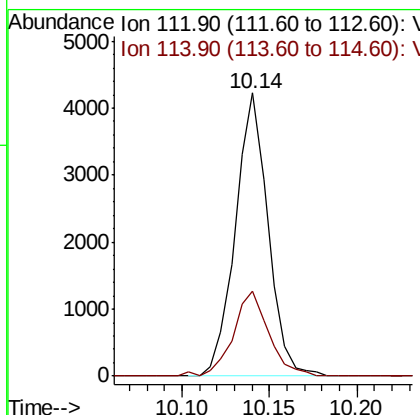
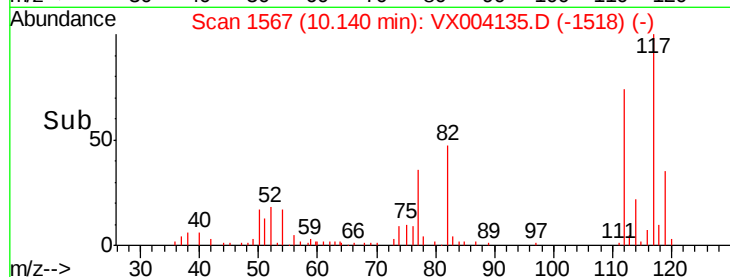
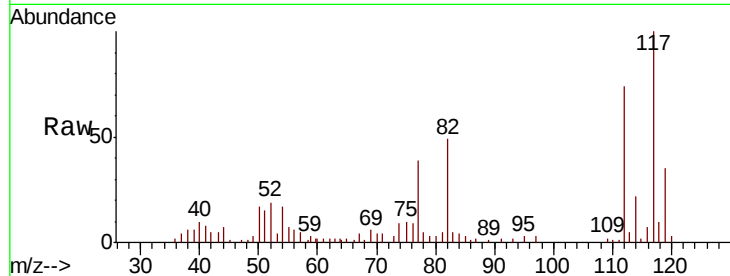
#65
Chlorobenzene
Concen: 0.57 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004135.D
Acq: 17 Aug 2018 16:36

Instrument :
MSVOA_X
ClientSampled :
MW-1R

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.1	23.6	35.4

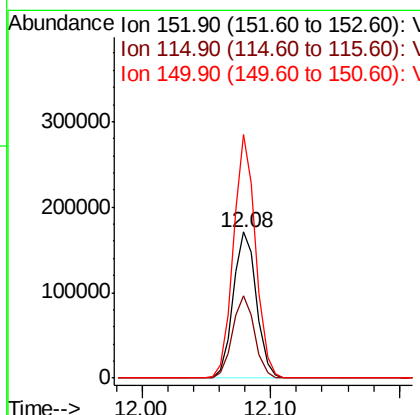
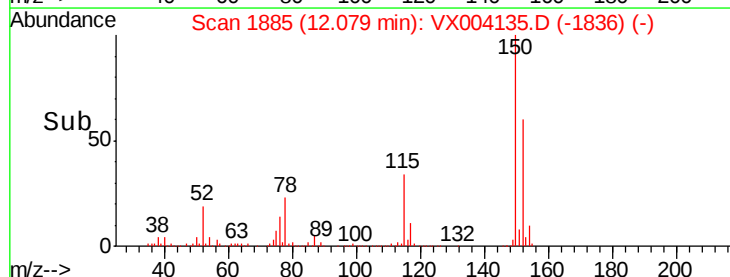
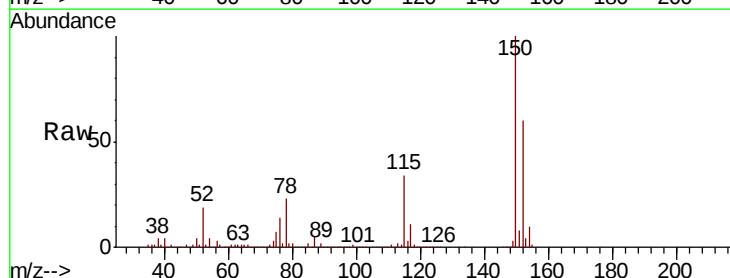
Manual Integrations
APPROVED

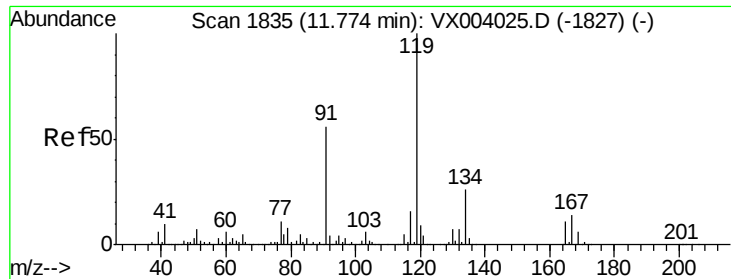
MMDadoda
8/20/2018 10:04:22 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004135.D
Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	39.1	117.3
150	159.5	0.0	349.2





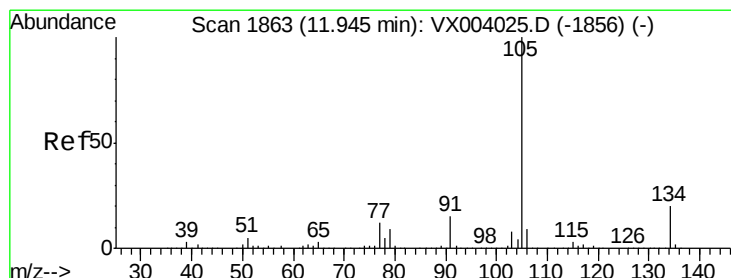
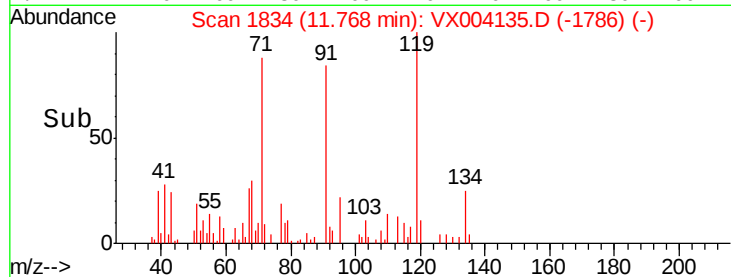
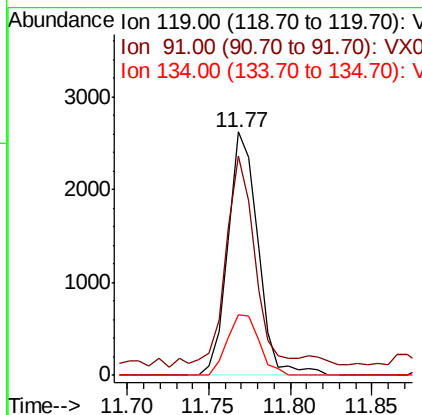
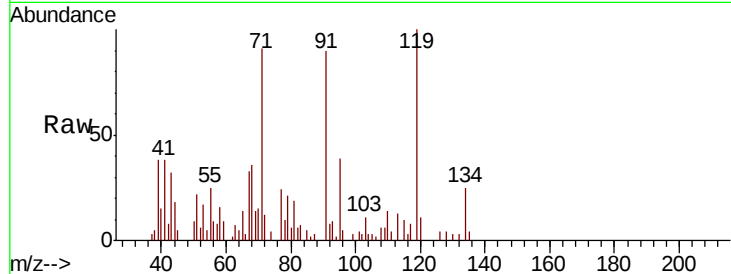
#83
tert-Butylbenzene
Concen: 0.28 ug/l
RT: 11.77 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VX004135.D
Acq: 17 Aug 2018 16:36

Instrument :
MSVOA_X
ClientSampleId :
MW-1R

Tot Ion	Ratio	Resp	Lower	Upper
119	100	3373		
91	84.7	26.9	80.7#	
134	26.1	12.0	36.0	

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:04:22 AM



#85
sec-Butylbenzene
Concen: 1.03 ug/l
RT: 11.94 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VX004135.D
Acq: 17 Aug 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	14370		
134	31.0	10.3	30.9#	

