

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004134.D
 Acq On : 17 Aug 2018 16:09
 Operator : JC/MD
 Sample : J4522-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:04:17 AM

Quant Time: Aug 31 03:19:29 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	256915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	392867	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	366573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193303	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	183152	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
35) Dibromofluoromethane	5.50	113	157306	53.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.00%	
50) Toluene-d8	8.72	98	575173	48.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	11.14	95	192739	44.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.16%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	3.04	59	125118	171.64	ug/l	99
16) Acetone	2.44	43	10887	5.78	ug/l	97
17) Carbon Disulfide	2.57	76	3885	0.51	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	43069	4.52	ug/l #	45
22) Diisopropyl ether	3.87	45	4933	0.49	ug/l #	79
25) 2-Butanone	4.70	43	2964	0.97	ug/l	96
31) Cyclohexane	5.57	56	46791	9.35	ug/l	94
39) Methylcyclohexane	7.46	83	19069	3.76	ug/l	94
40) Benzene	6.14	78	92235	6.87	ug/l	100
67) Ethyl Benzene	10.25	91	19606	1.31	ug/l	95
73) Isopropylbenzene	11.02	105	12366	0.95	ug/l	94
78) n-propylbenzene	11.36	91	24616	1.68	ug/l	99

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

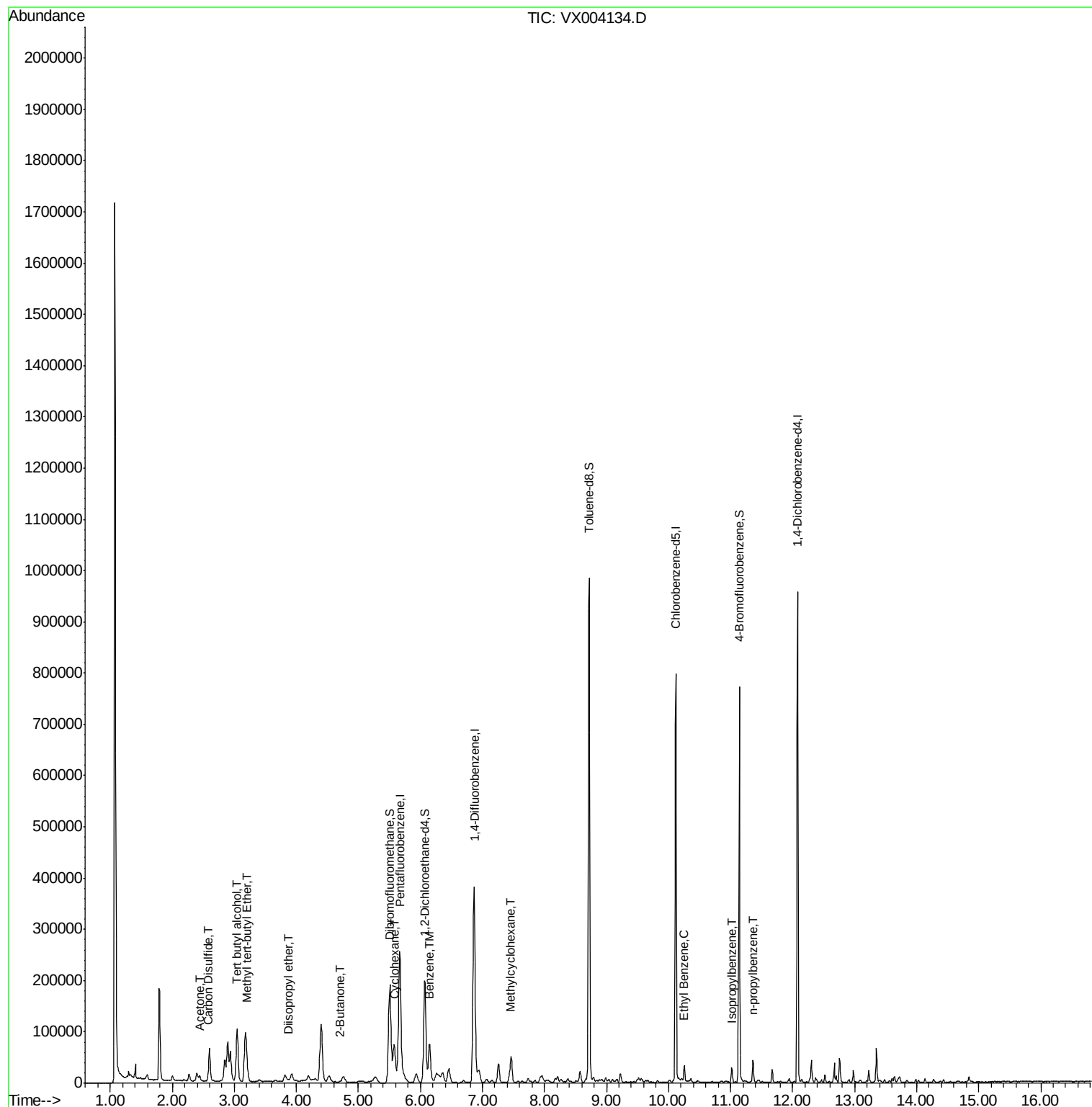
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081718\
Data File : VX004134.D
Acq On : 17 Aug 2018 16:09
Operator : JC/MD
Sample : J4522-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

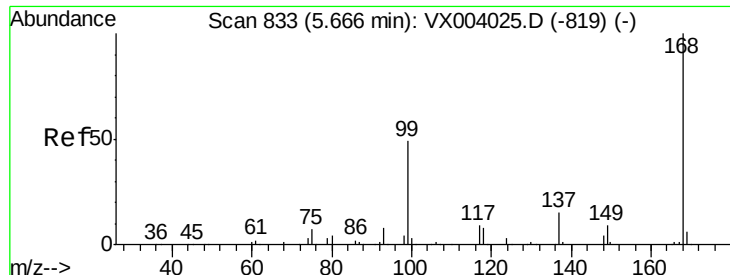
Instrument :
MSVOA_X
ClientSampleId :
MW-7

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8/20/2018 10:04:17 AM

Quant Time: Aug 31 03:19:29 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: VX004134.D

Acq: 17 Aug 2018 16:09

Instrument :

MSVOA_X

ClientSampled :

MW-7

Tot Ion:168 Resp: 256915

Ion Ratio Lower Upper

168 100

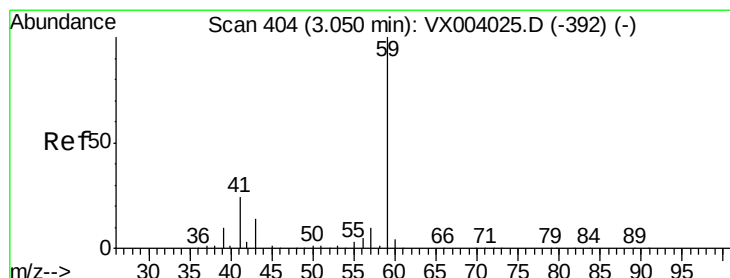
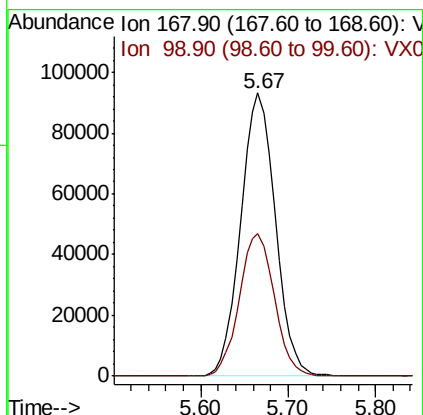
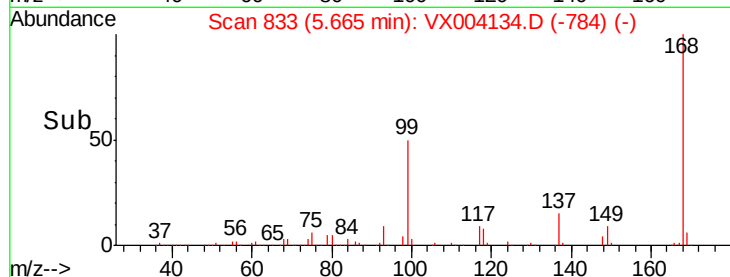
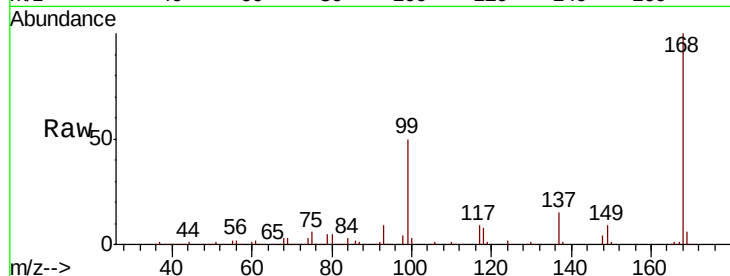
99 50.2 40.1 60.1

Manual Integrations

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#11

Tert butyl alcohol

Concen: 171.64 ug/l

RT: 3.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VX004134.D

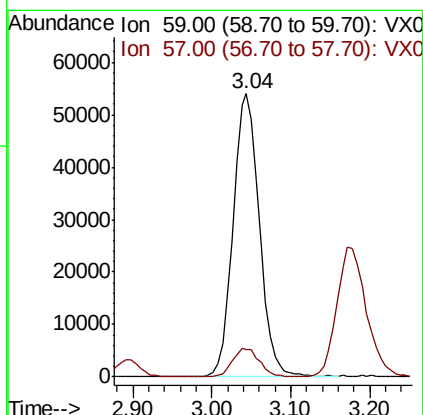
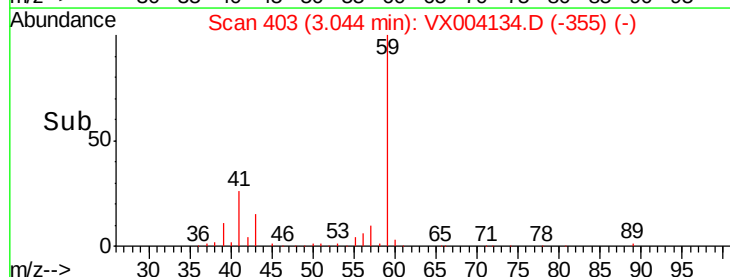
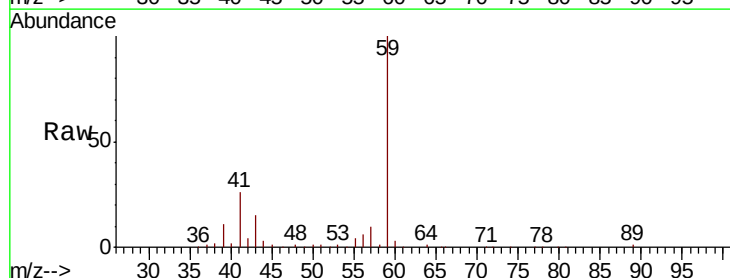
Acq: 17 Aug 2018 16:09

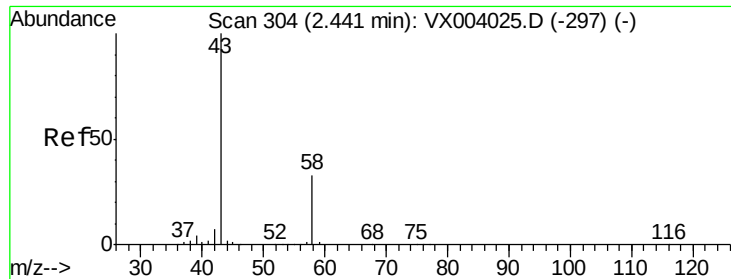
Tgt Ion: 59 Resp: 125118

Ion Ratio Lower Upper

59 100

57 10.4 8.1 12.1





#16

Acetone

Concen: 5.78 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004134.D

Acq: 17 Aug 2018 16:09

Instrument :

MSVOA_X

ClientSampleId :

MW-7

Tot Ion: 43 Resp: 10887

Ion Ratio Lower Upper

43 100

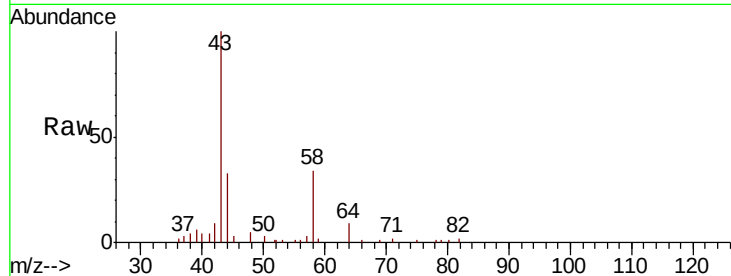
58 34.5 26.4 39.6

Manual Integrations

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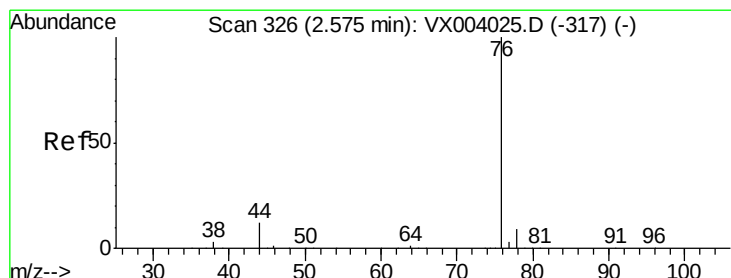
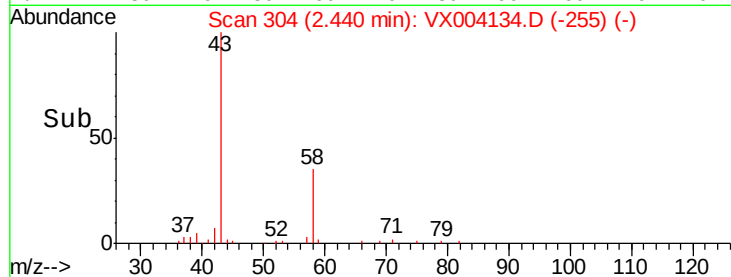
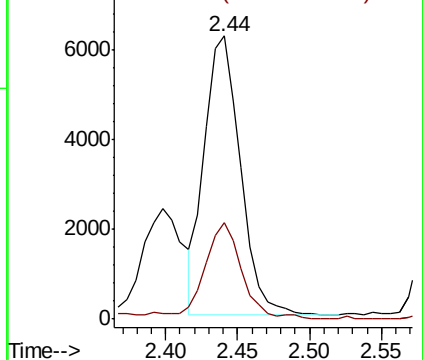
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.51 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004134.D

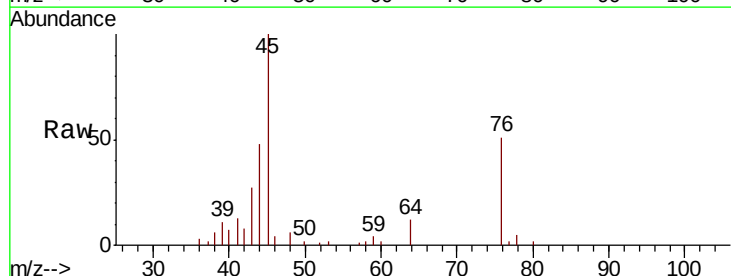
Acq: 17 Aug 2018 16:09

Tgt Ion: 76 Resp: 3885

Ion Ratio Lower Upper

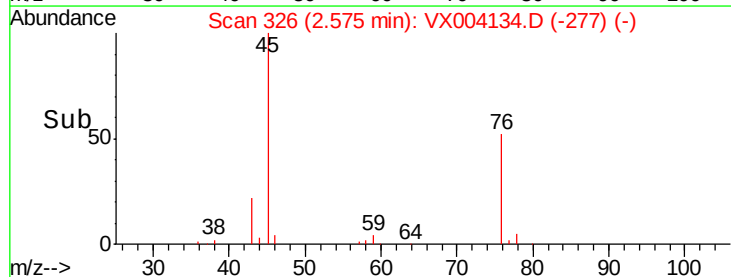
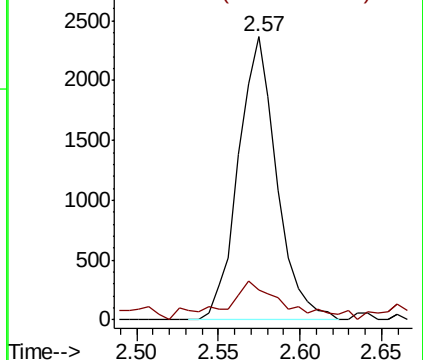
76 100

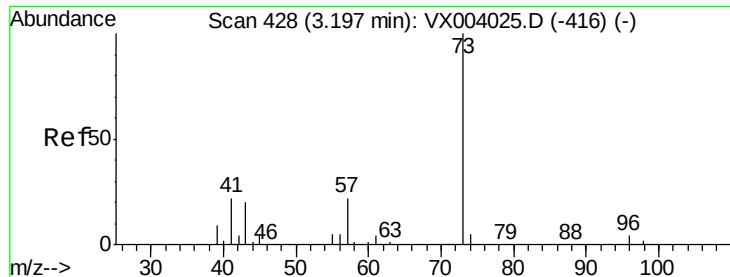
78 8.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





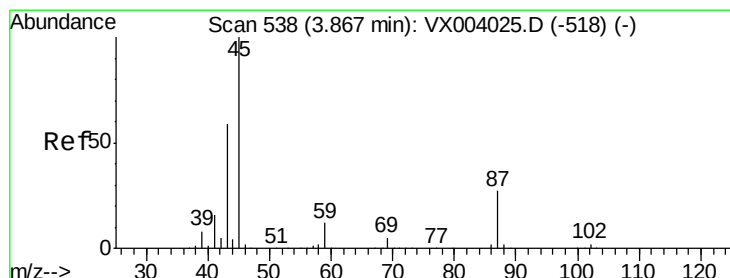
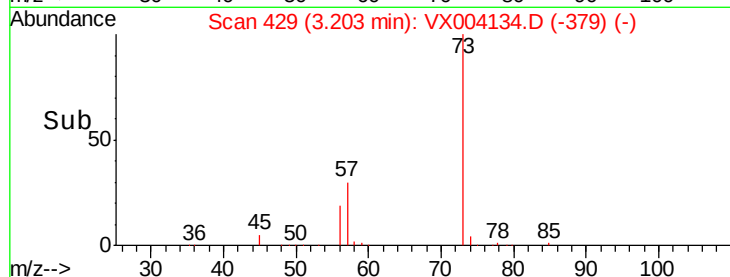
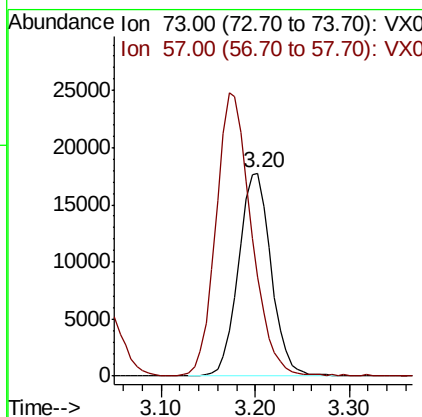
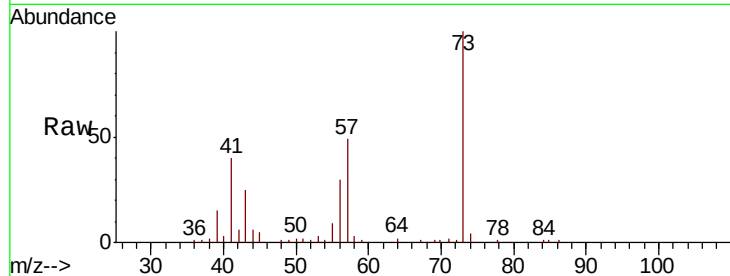
#19
Methyl tert-butyl Ether
Concen: 4.52 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.01 min
Lab File: VX004134.D
Acq: 17 Aug 2018 16:09

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tot Ion: 73 Resp: 43069
Ion Ratio Lower Upper
73 100
57 48.9 18.0 27.0#

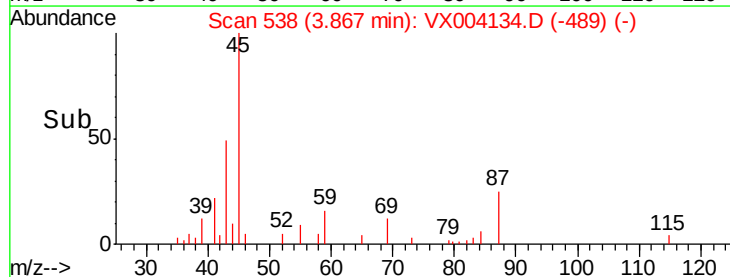
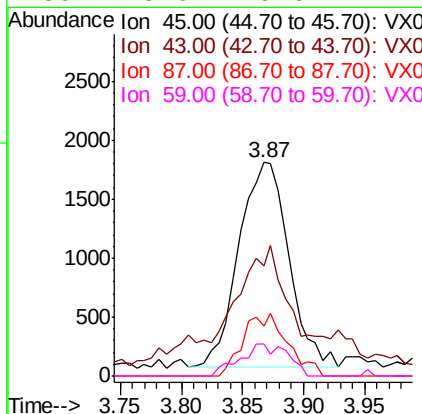
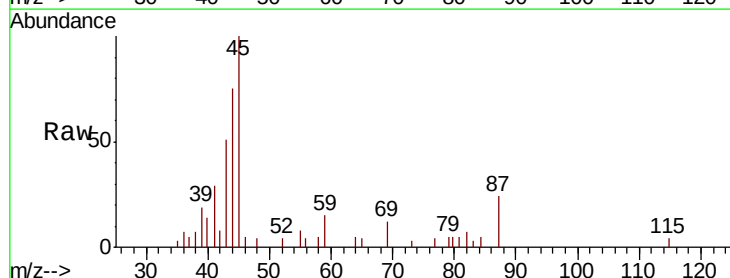
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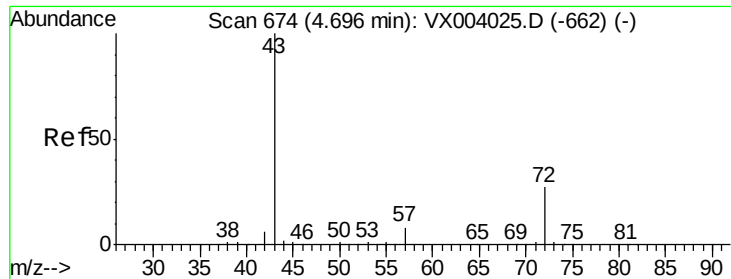
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#22
Diisopropyl ether
Concen: 0.49 ug/l
RT: 3.87 min Scan# 538
Delta R.T. -0.00 min
Lab File: VX004134.D
Acq: 17 Aug 2018 16:09

Tgt Ion: 45 Resp: 4933
Ion Ratio Lower Upper
45 100
43 33.7 45.3 67.9#
87 24.6 22.7 34.1
59 15.6 9.6 14.4#





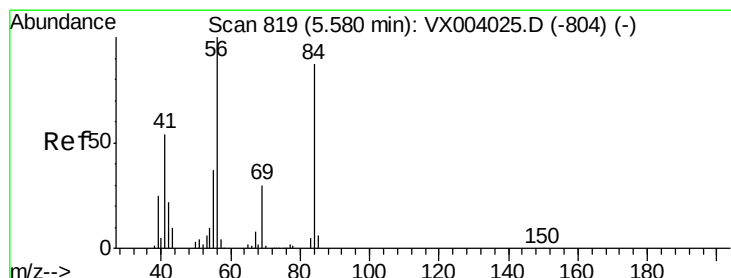
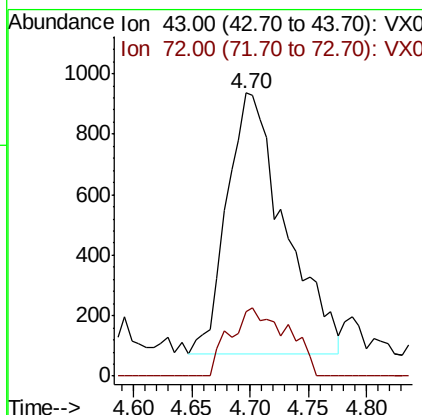
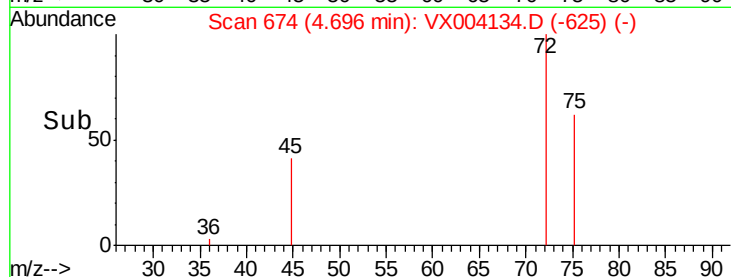
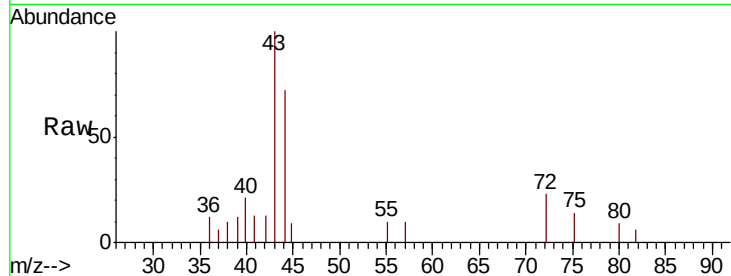
#25
2-Butanone
Concen: 0.97 ug/l
RT: 4.70 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX004134.D
Acq: 17 Aug 2018 16:09

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tot Ion: 43 Resp: 2964
Ion Ratio Lower Upper
43 100
72 24.7 21.4 32.0

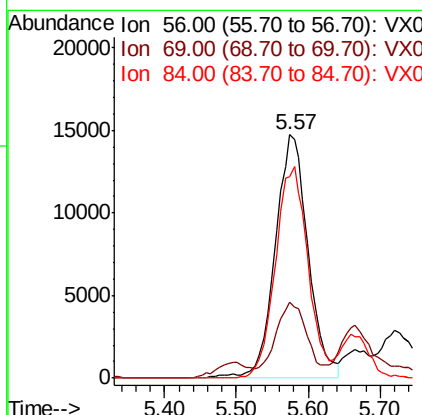
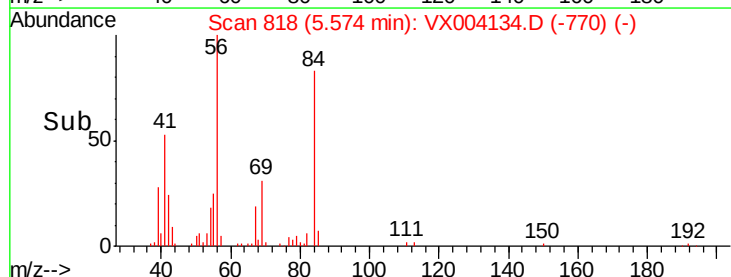
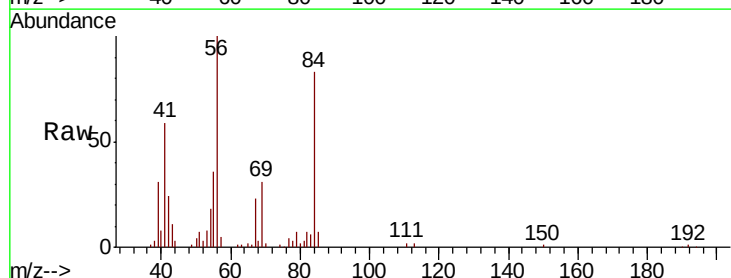
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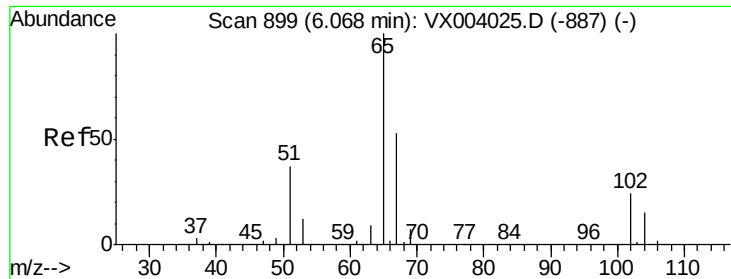
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#31
Cyclohexane
Concen: 9.35 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX004134.D
Acq: 17 Aug 2018 16:09

Tgt Ion: 56 Resp: 46791
Ion Ratio Lower Upper
56 100
69 31.3 24.9 37.3
84 82.5 71.7 107.5





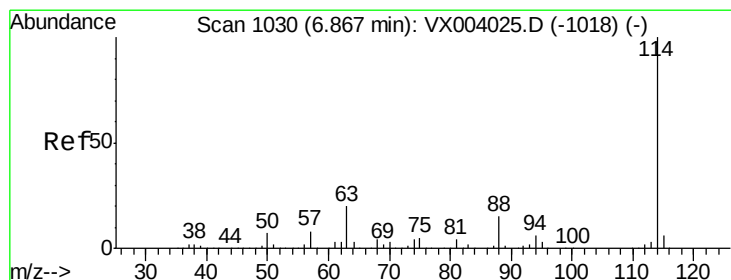
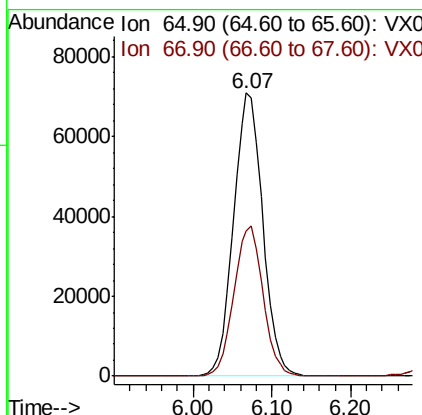
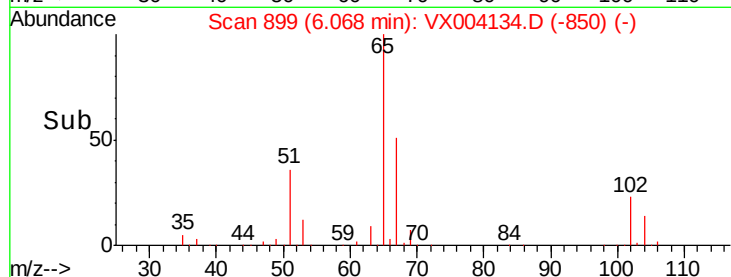
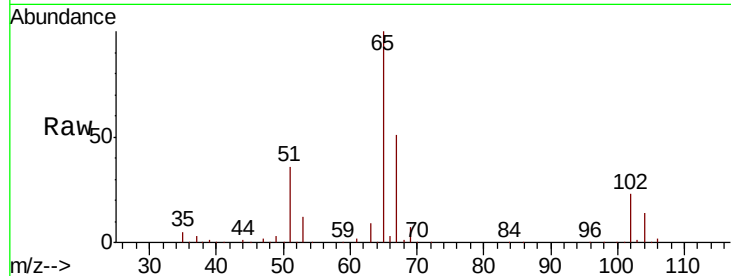
#33
 1,2-Dichloroethane-d4
 Concen: 50.60 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004134.D
 Acq: 17 Aug 2018 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Tot Ion	Ratio	Resp	Lower	Upper
65	100	183152		
67	52.7	0.0	105.8	

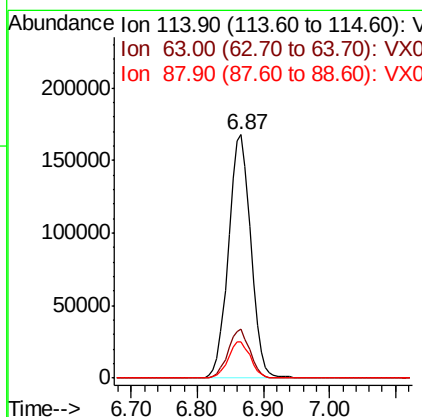
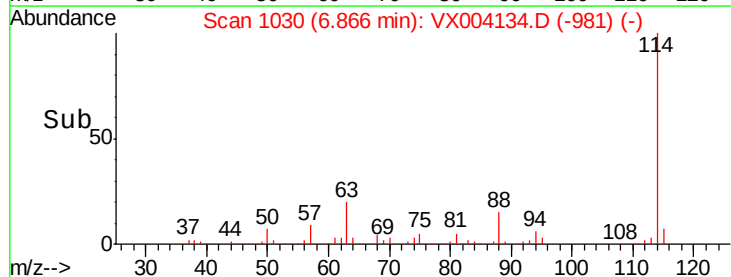
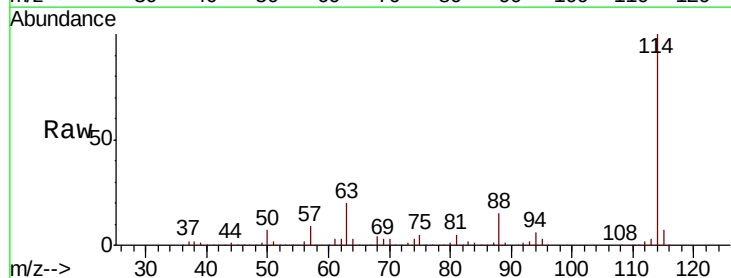
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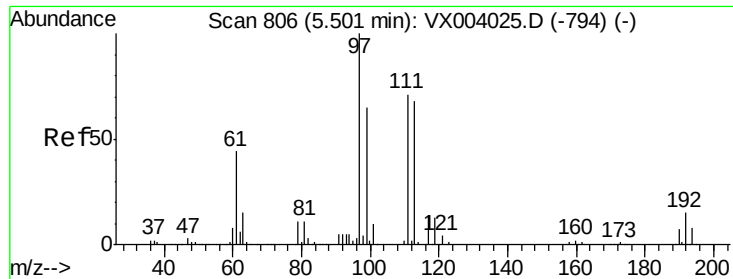
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004134.D
 Acq: 17 Aug 2018 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	392867		
63	20.1	0.0	39.0	
88	15.1	0.0	32.0	





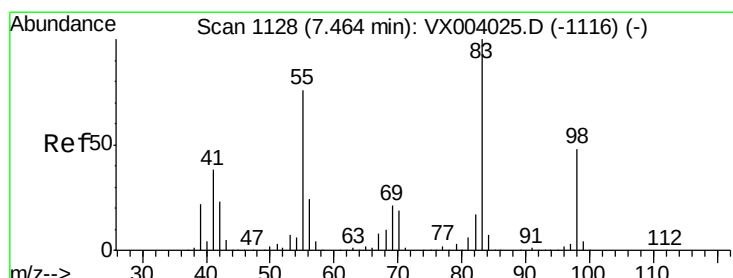
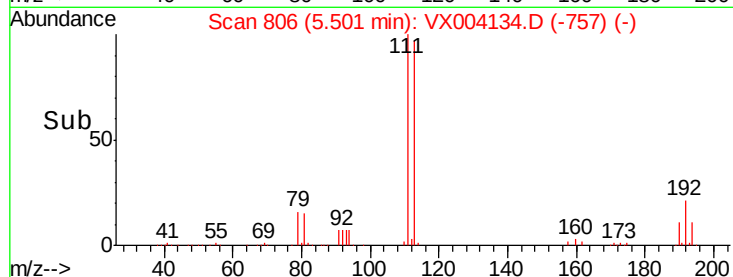
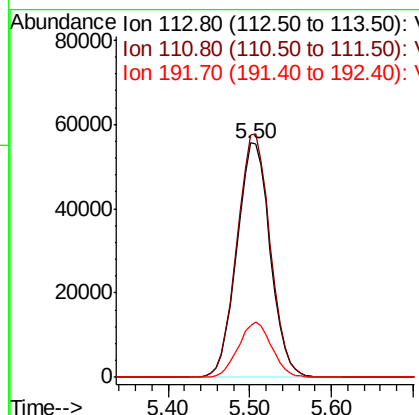
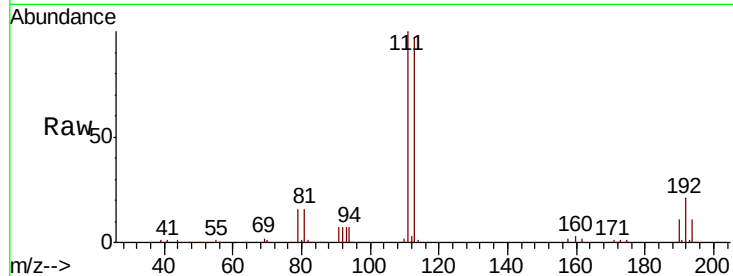
#35
Dibromofluoromethane
Concen: 53.50 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004134.D
Acq: 17 Aug 2018 16:09

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157306		
111	103.6	82.0	123.0	
192	23.5	19.0	28.4	

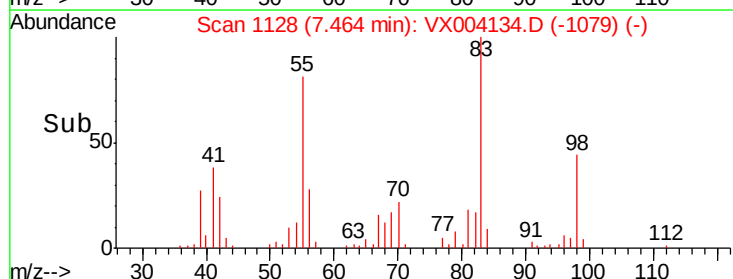
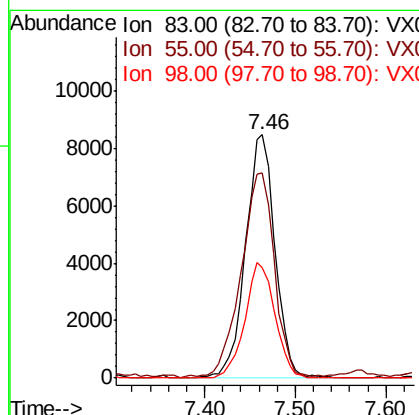
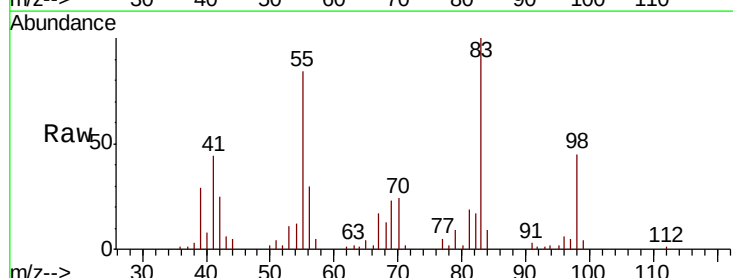
Manual Integrations
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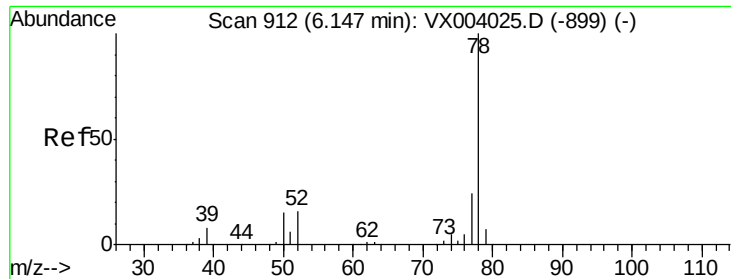
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#39
Methylcyclohexane
Concen: 3.76 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX004134.D
Acq: 17 Aug 2018 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	19069		
55	83.0	61.0	91.6	
98	45.4	38.6	57.8	





#40

Benzene

Concen: 6.87 ug/l

RT: 6.14 min Scan# 911

Delta R.T. -0.01 min

Lab File: VX004134.D

Acq: 17 Aug 2018 16:09

Instrument :

MSVOA_X

ClientSampleId :

MW-7

Tot Ion: 78 Resp: 92235

Ion Ratio Lower Upper

78 100

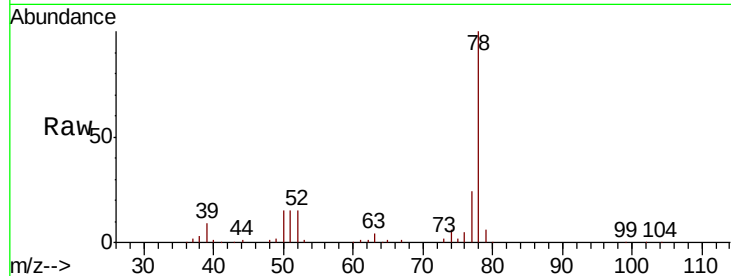
77 23.6 19.0 28.4

Manual Integrations

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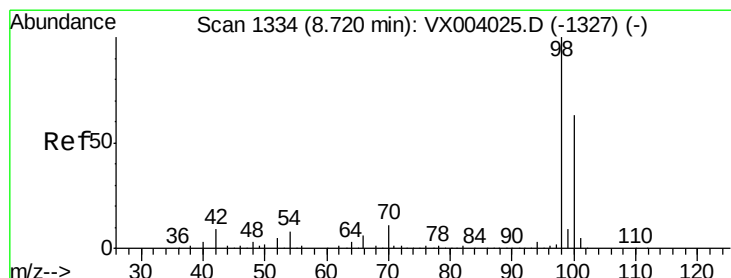
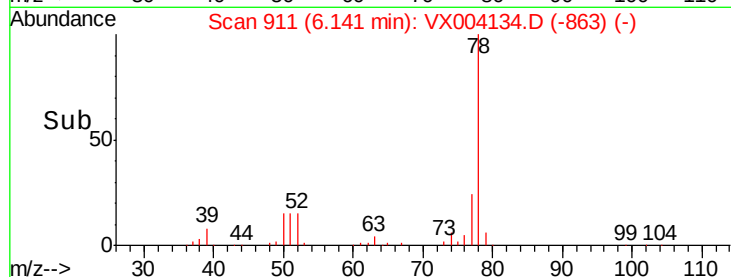
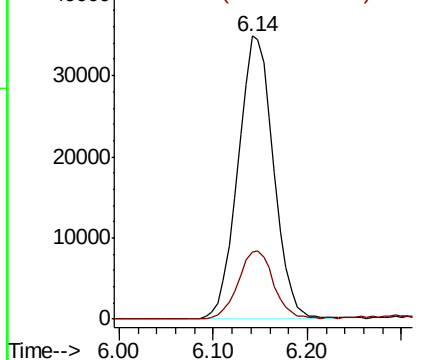
MMDadoda

8/20/2018 10:04:17 AM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 48.25 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004134.D

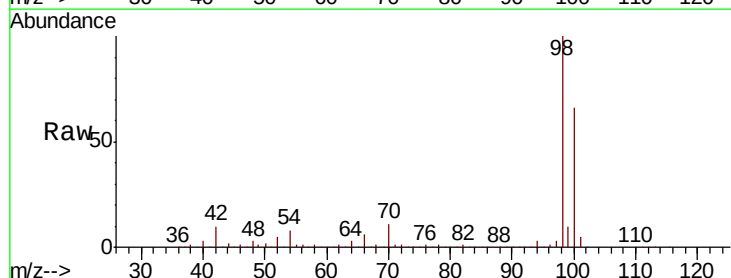
Acq: 17 Aug 2018 16:09

Tgt Ion: 98 Resp: 575173

Ion Ratio Lower Upper

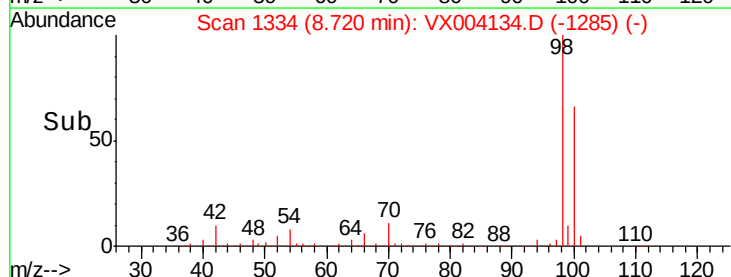
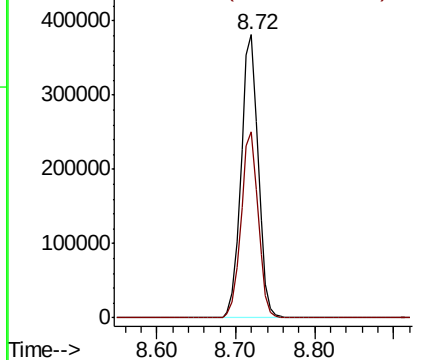
98 100

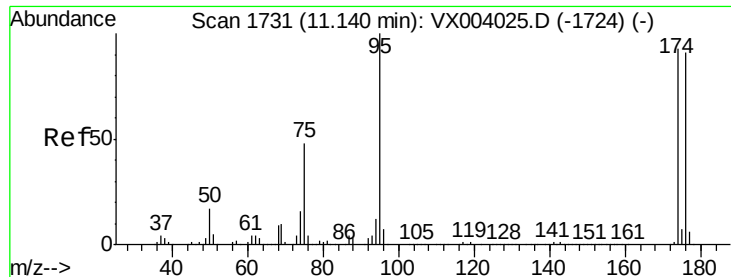
100 65.6 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004134.D

Acq: 17 Aug 2018 16:09

Instrument :

MSVOA_X

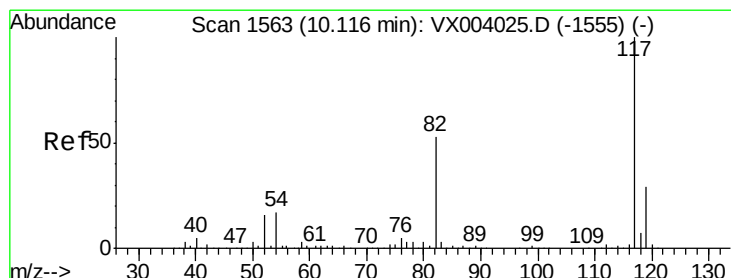
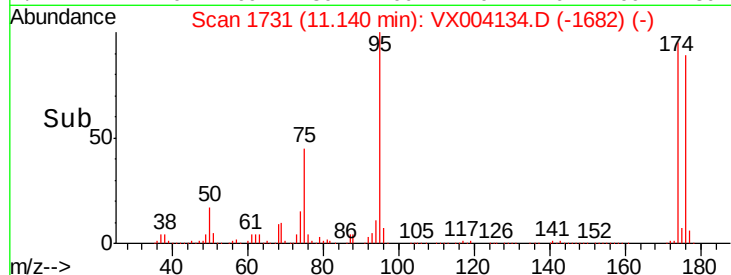
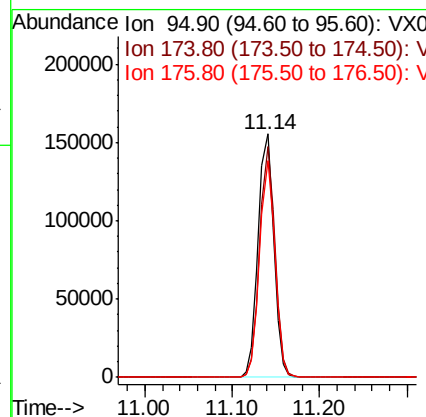
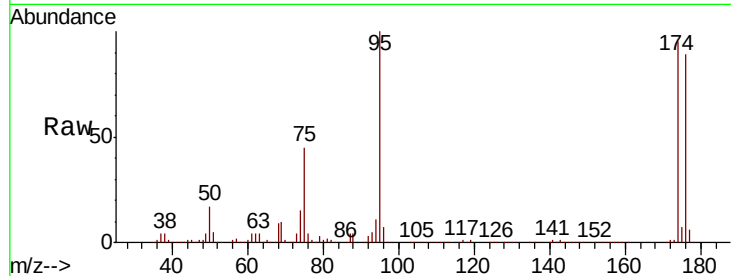
ClientSampled :

MW-7

Tot Ion	95	Resp	192739
Ion Ratio	Lower	Upper	
95	100		
174	92.6	0.0	182.8
176	87.2	0.0	179.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

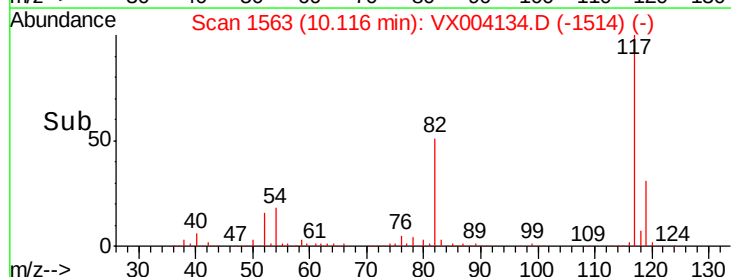
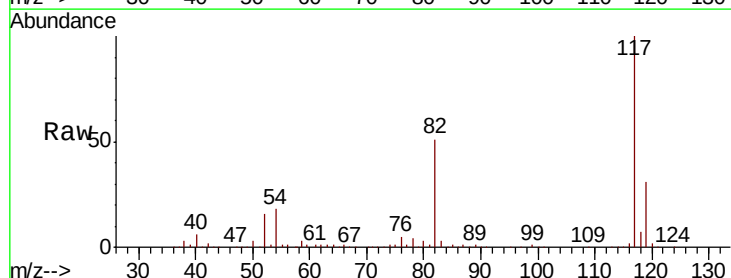
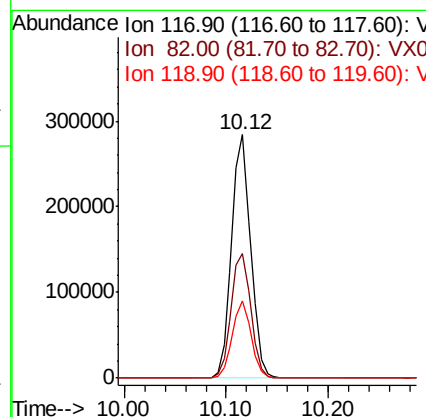
RT: 10.12 min Scan# 1563

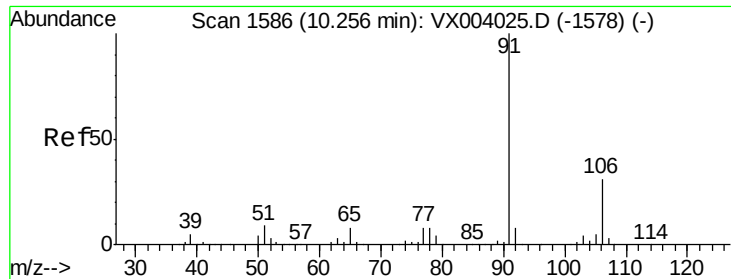
Delta R.T. -0.00 min

Lab File: VX004134.D

Acq: 17 Aug 2018 16:09

Tgt Ion	117	Resp	366573
Ion Ratio	Lower	Upper	
117	100		
82	51.3	45.4	68.0
119	31.5	26.6	40.0





#67

Ethyl Benzene

Concen: 1.31 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004134.D

Acq: 17 Aug 2018 16:09

Instrument :

MSVOA_X

ClientSampled :

MW-7

Tot Ion: 91 Resp: 19606

Ion Ratio Lower Upper

91 100

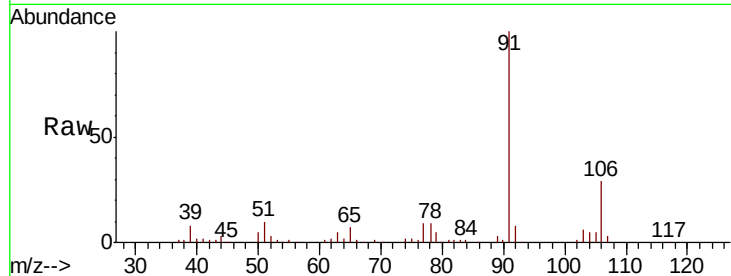
106 29.3 25.9 38.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1578) (-)

Ion 106.00 (105.70 to 106.70): VX004025.D (-1578) (-)

10.25

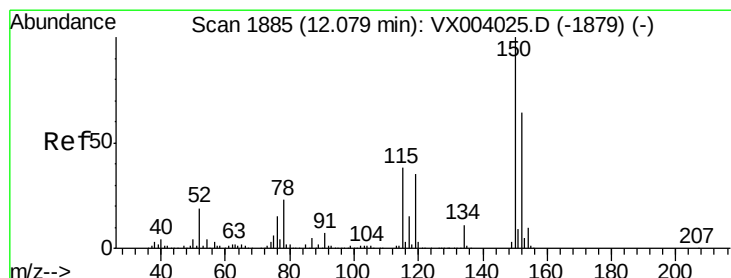
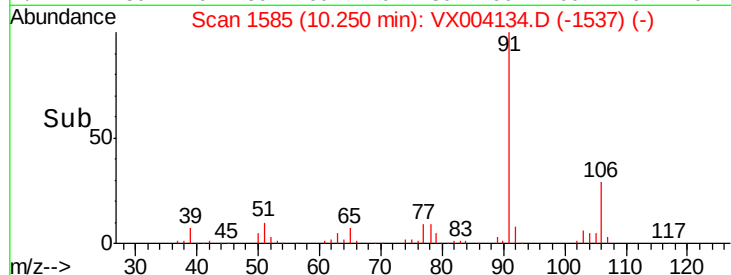
15000

10000

5000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004134.D

Acq: 17 Aug 2018 16:09

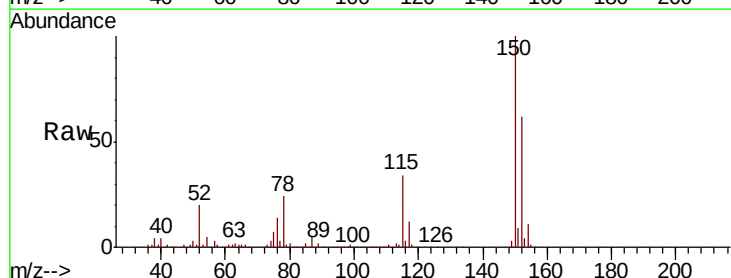
Tgt Ion: 152 Resp: 193303

Ion Ratio Lower Upper

152 100

115 55.3 39.1 117.3

150 160.1 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): VX004025.D (-1879) (-)

Ion 114.90 (114.60 to 115.60): VX004025.D (-1879) (-)

Ion 149.90 (149.60 to 150.60): VX004025.D (-1879) (-)

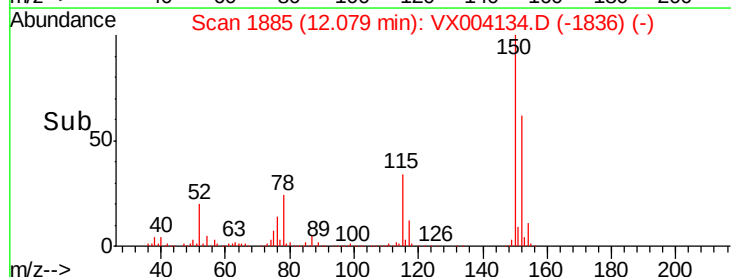
300000

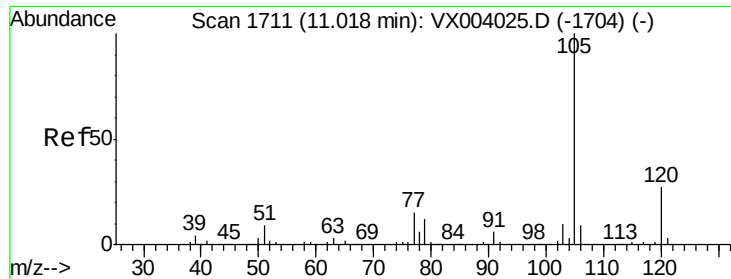
200000

100000

0

Time-->





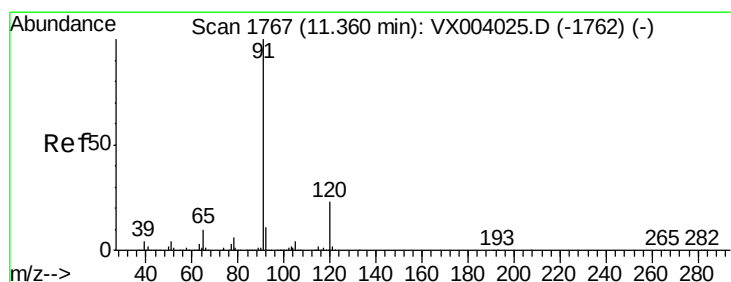
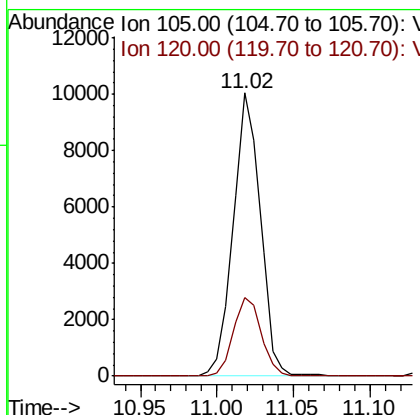
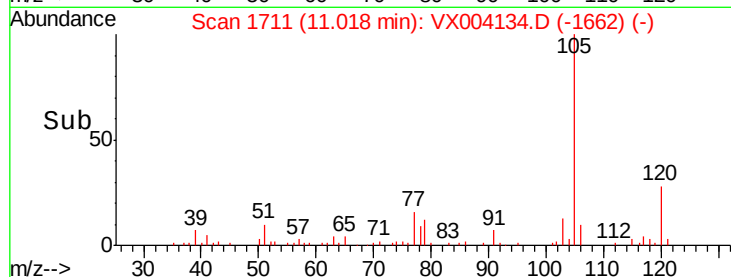
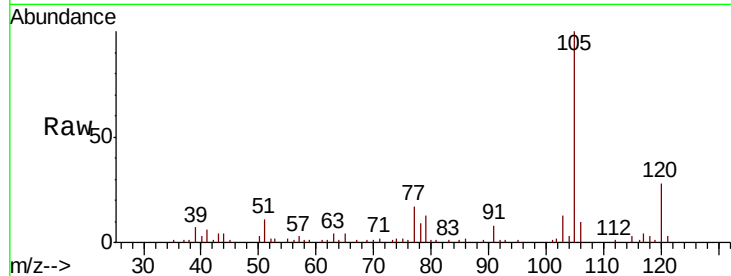
#73
Isopropylbenzene
Concen: 0.95 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VX004134.D
Acq: 17 Aug 2018 16:09

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.4	12.6	37.8

Manual Integrations
APPROVED

MMDadoda
8/20/2018 10:04:17 AM



#78
n-propylbenzene
Concen: 1.68 ug/l
RT: 11.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VX004134.D
Acq: 17 Aug 2018 16:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.9	35.5

