

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009489.D
 Acq On : 10 May 2019 18:29
 Operator : JC/SP
 Sample : K2748-03DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8DL

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:53:01 AM

Quant Time: May 11 03:49:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	183070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	289896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115288	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	118869	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.12%	
35) Dibromofluoromethane	5.50	113	88611	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
50) Toluene-d8	8.71	98	367543	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.13	95	124399	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.06%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.04	59	72123	124.675	ug/l	98
16) Acetone	2.44	43	2288	1.705	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	88318	13.240	ug/l	97
22) Diisopropyl ether	3.87	45	4484	0.557	ug/l #	78
31) Cyclohexane	5.59	56	7905	2.139	ug/l	86
39) Methylcyclohexane	7.46	83	4815	1.455	ug/l	92
40) Benzene	6.15	78	131774	15.805	ug/l	100
52) Toluene	8.78	92	88434	17.449	ug/l	98
67) Ethyl Benzene	10.25	91	374004	39.460	ug/l	99
68) m/p-Xylenes	10.36	106	132510	38.258	ug/l	99
69) o-Xylene	10.69	106	60881	17.815	ug/l	100
73) Isopropylbenzene	11.02	105	30209	3.603	ug/l	99
78) n-propylbenzene	11.36	91	78596	8.209	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	44092	6.246	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	185273	26.148	ug/l	99
85) sec-Butylbenzene	11.94	105	5836	0.717	ug/l	85
89) n-Butylbenzene	12.38	91	3354m	0.507	ug/l	
95) Naphthalene	13.83	128	48723	5.796	ug/l	98

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

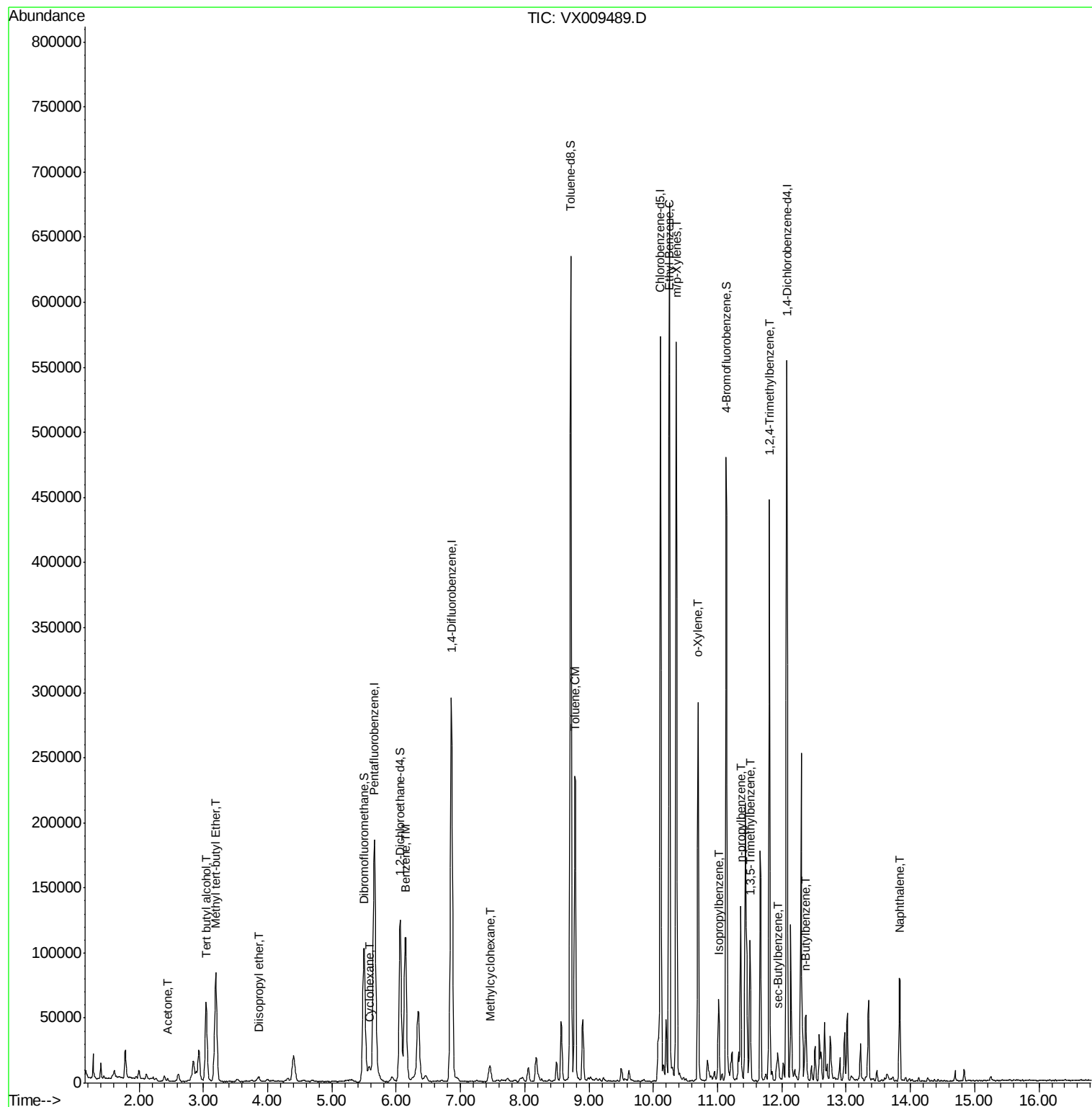
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051019\
Data File : VX009489.D
Acq On : 10 May 2019 18:29
Operator : JC/SP
Sample : K2748-03DL 4X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

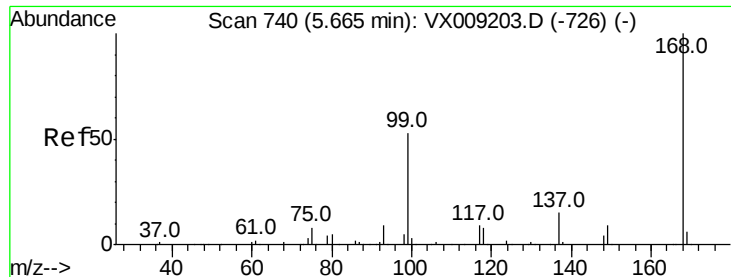
Instrument :
MSVOA_X
ClientSampleId :
MW-8DL

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5/11/2019 11:53:01 AM

Quant Time: May 11 03:49:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

MW-8DL

Tot Ion:168 Resp: 183070

Ion Ratio Lower Upper

168 100

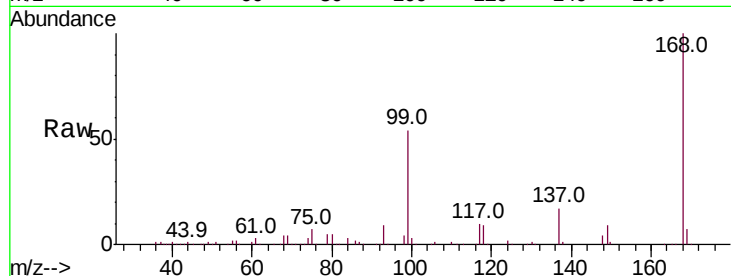
99 54.4 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

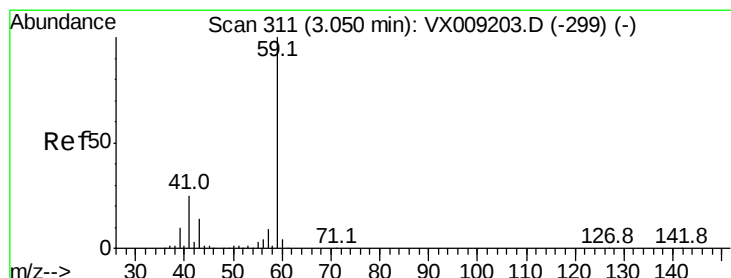
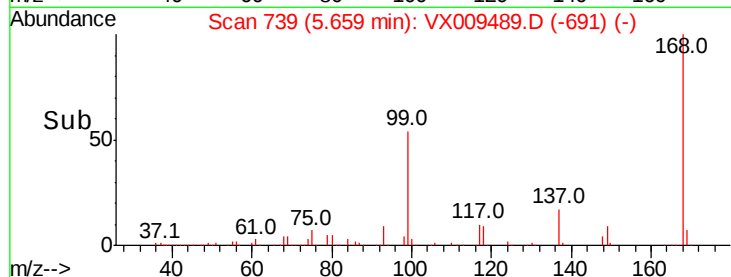
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 124.675 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009489.D

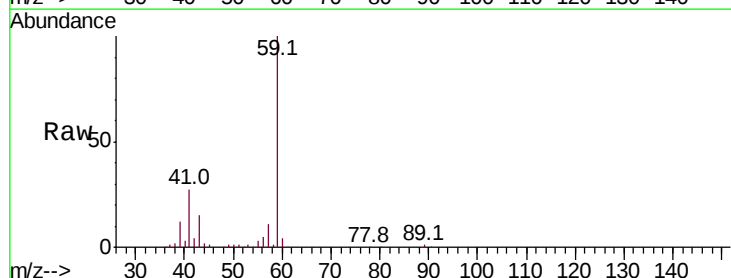
Acq: 10 May 2019 18:29

Tgt Ion: 59 Resp: 72123

Ion Ratio Lower Upper

59 100

57 10.8 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

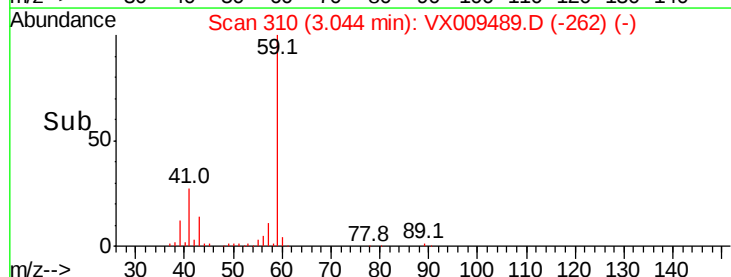
30000

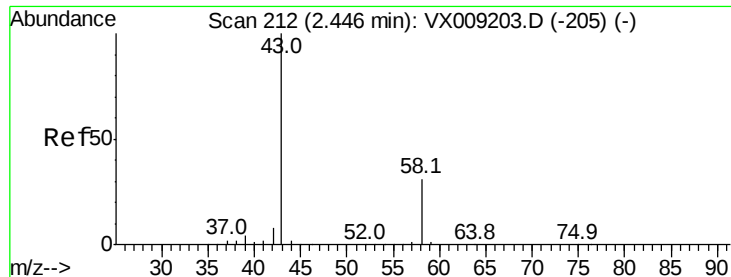
20000

10000

0

Time--> 2.90 3.00 3.10





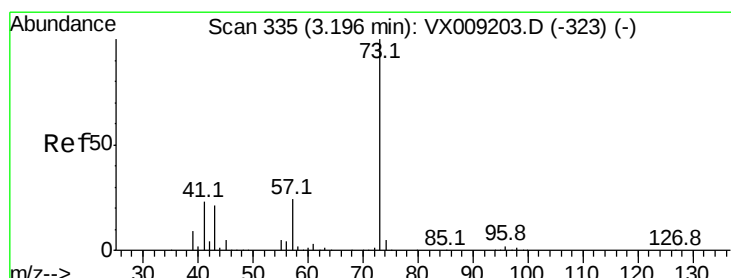
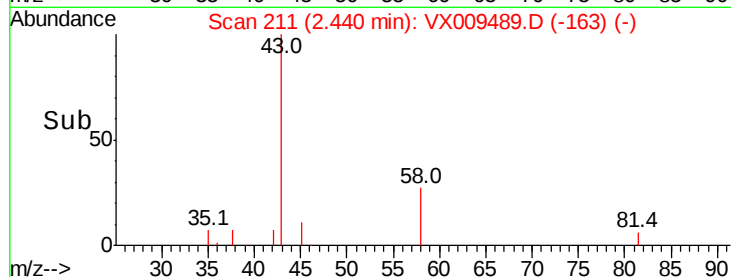
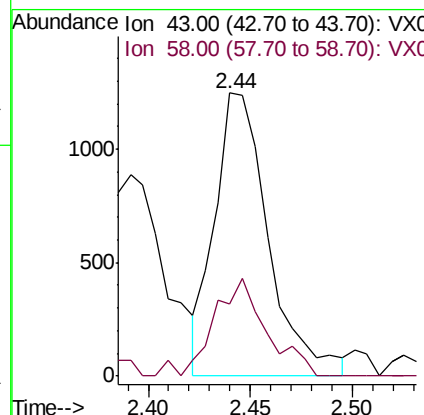
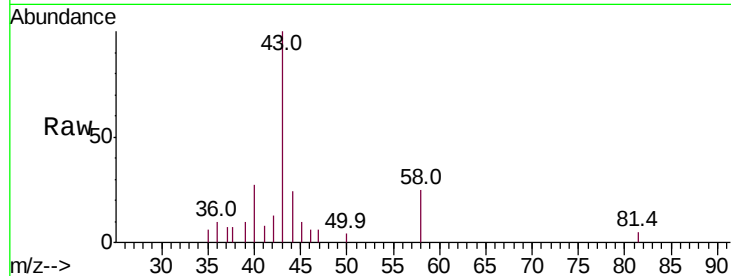
#16
Acetone
Concen: 1.705 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009489.D
Acq: 10 May 2019 18:29

Instrument :
MSVOA_X
ClientSampled :
MW-8DL

Tot Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
58 27.2 24.9 37.3

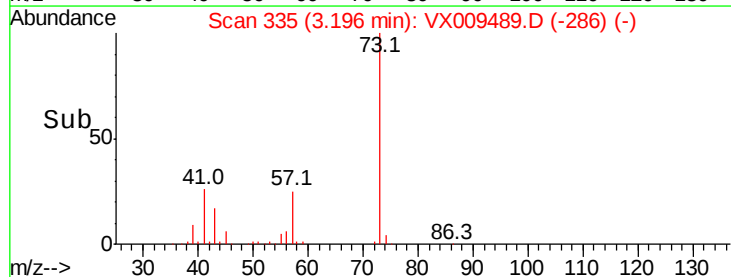
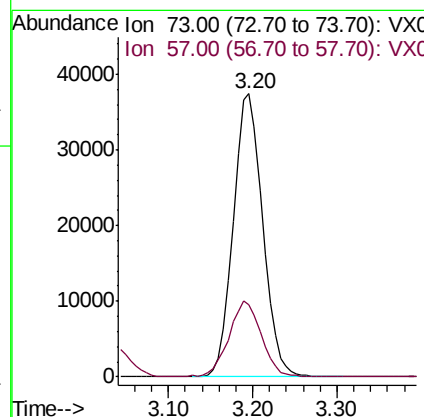
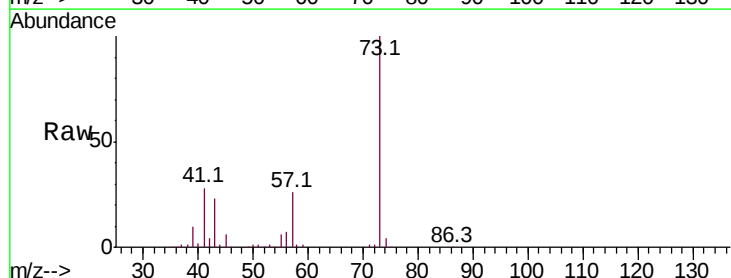
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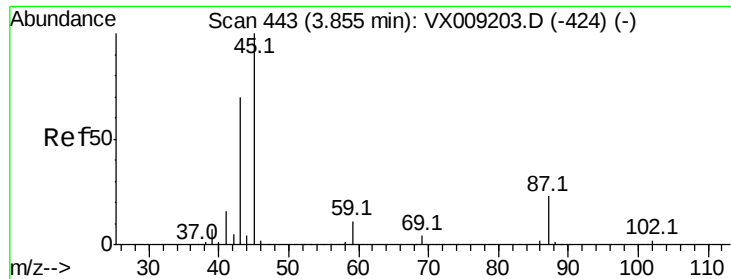
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#19
Methyl tert-butyl Ether
Concen: 13.240 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009489.D
Acq: 10 May 2019 18:29

Tgt Ion: 73 Resp: 88318
Ion Ratio Lower Upper
73 100
57 25.7 19.3 28.9





#22

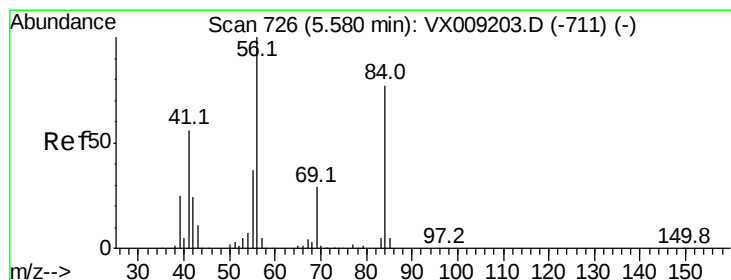
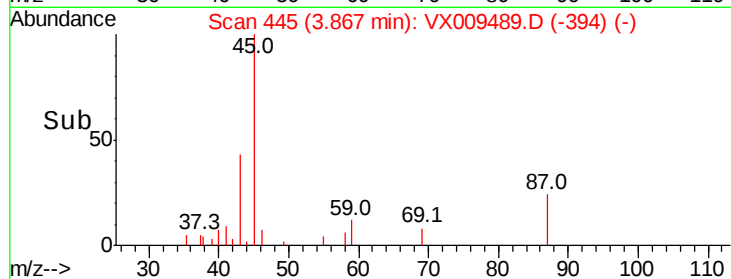
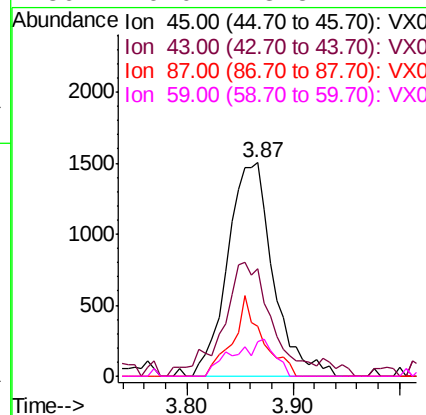
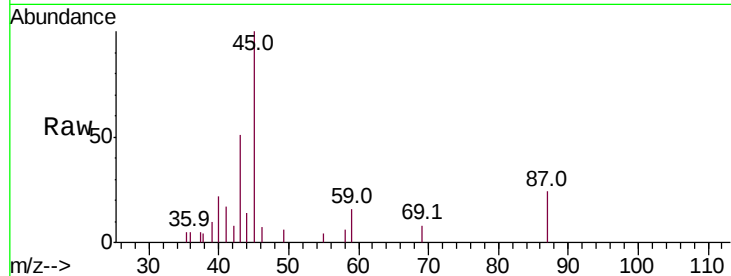
Diisopropyl ether
 Concen: 0.557 ug/l
 RT: 3.87 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VX009489.D
 Acq: 10 May 2019 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8DL

Tot Ion	45	Ratio	Lower	Upper
45	100			
43	45.7	56.1	84.1#	
87	23.5	18.1	27.1	
59	16.0	8.5	12.7#	

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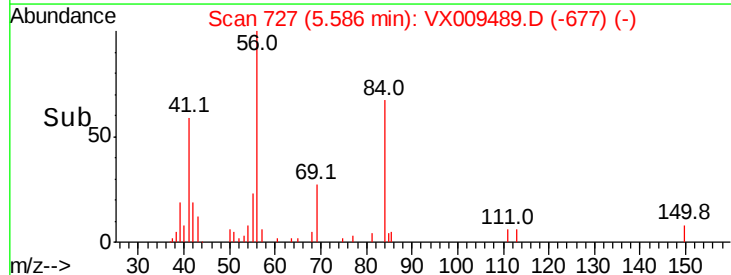
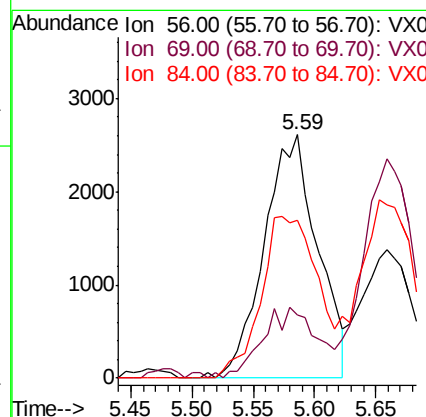
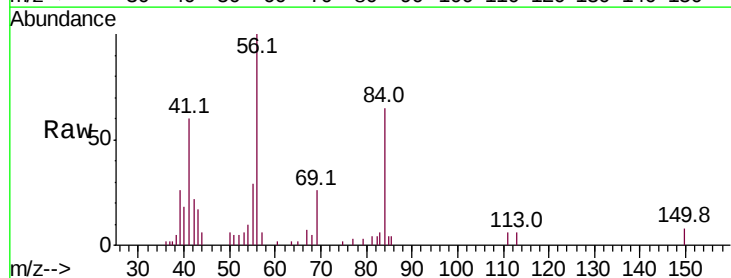
MMDadoda
 5/11/2019 11:53:01 AM

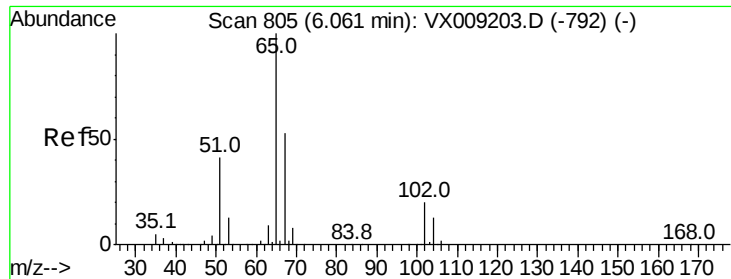


#31

Cyclohexane
 Concen: 2.139 ug/l
 RT: 5.59 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VX009489.D
 Acq: 10 May 2019 18:29

Tgt Ion	56	Ratio	Lower	Upper
56	100			
69	23.5	23.4	35.0	
84	64.7	61.9	92.9	





#33

1,2-Dichloroethane-d4

Concen: 47.564 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

MW-8DL

Tot Ion: 65 Resp: 118869

Ion Ratio Lower Upper

65 100

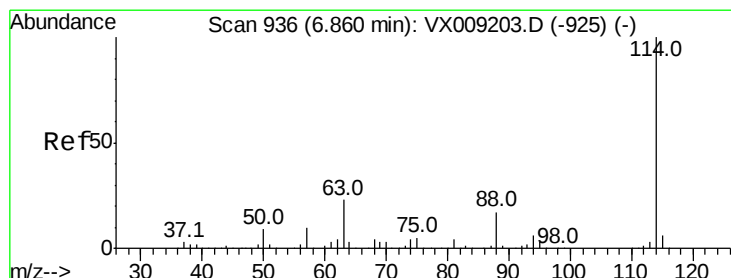
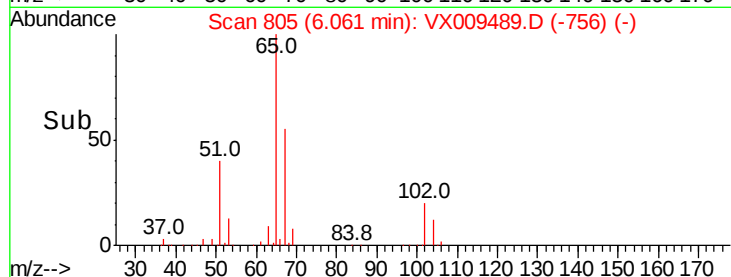
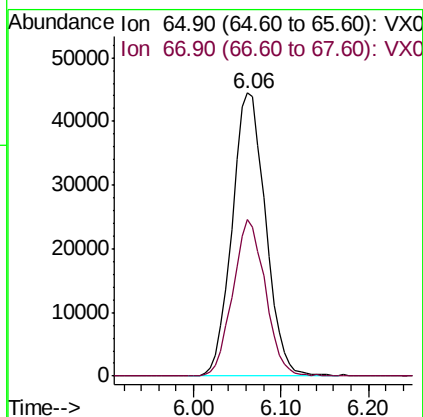
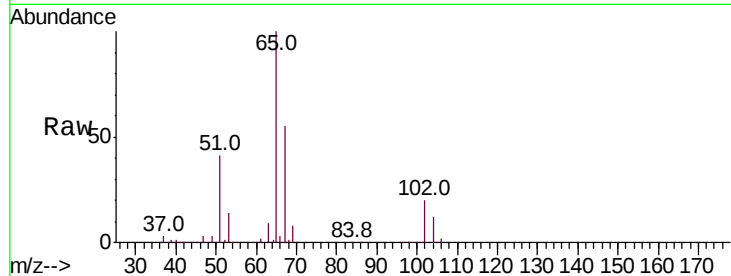
67 53.6 0.0 106.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

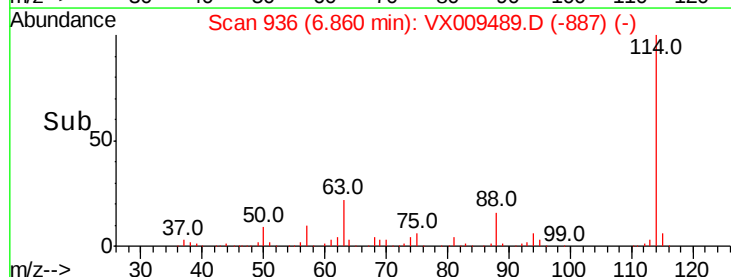
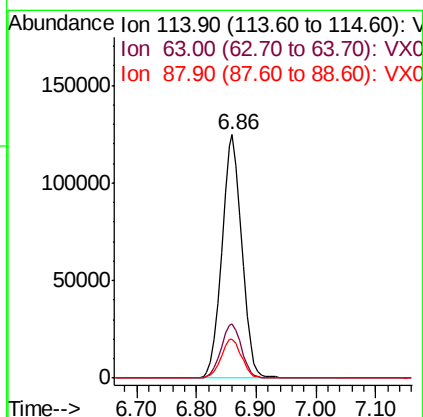
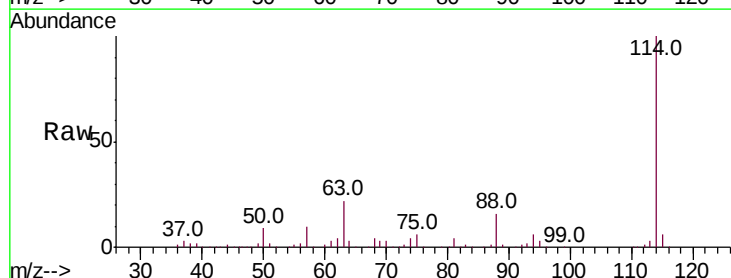
Tgt Ion: 114 Resp: 289896

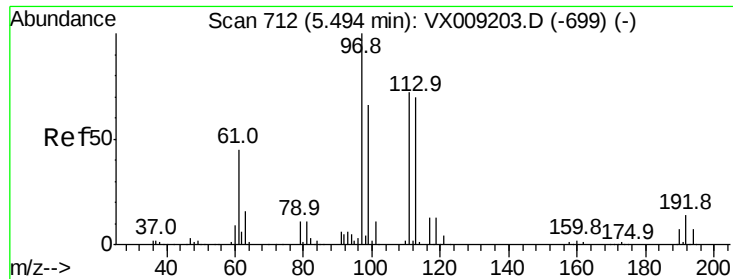
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.623 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA_X

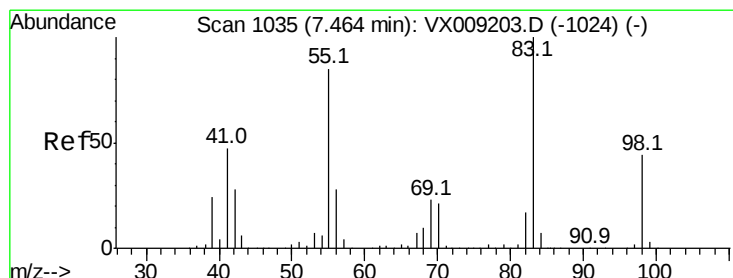
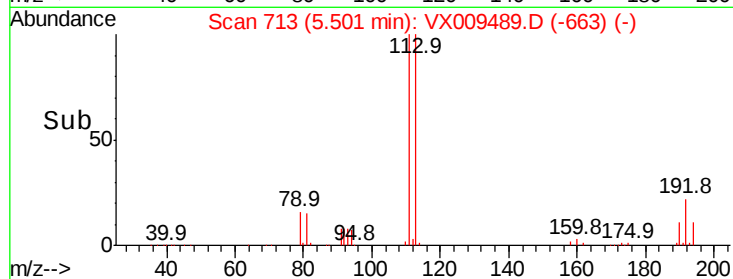
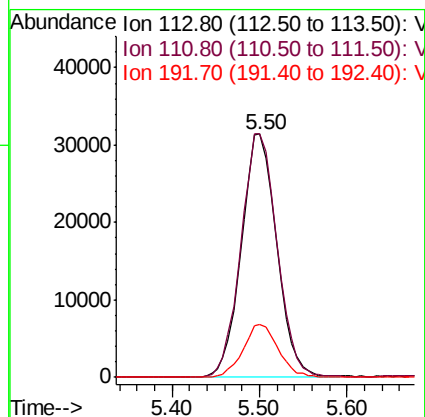
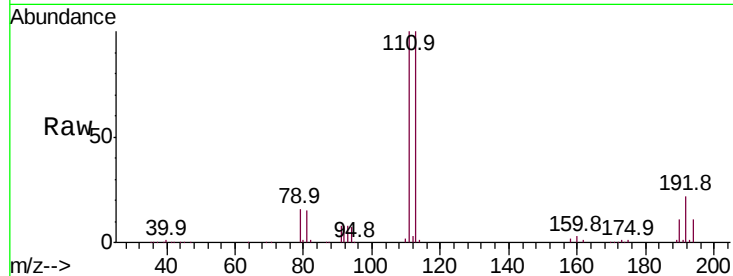
ClientSampleId :

MW-8DL

Tot Ion:	113	Resp:	88611
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.8	124.2
192	21.6	17.0	25.6

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#39

Methylcyclohexane

Concen: 1.455 ug/l

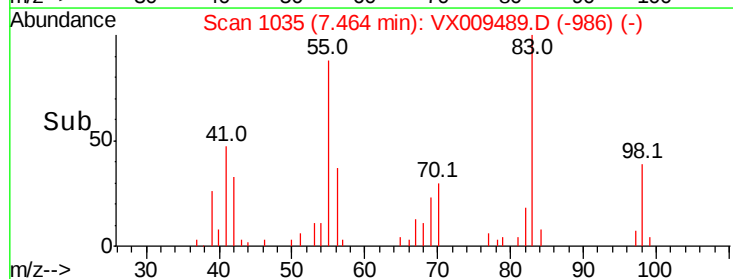
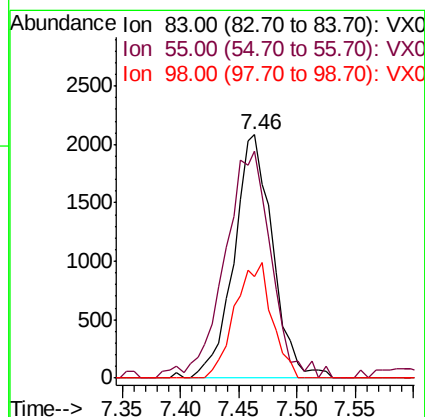
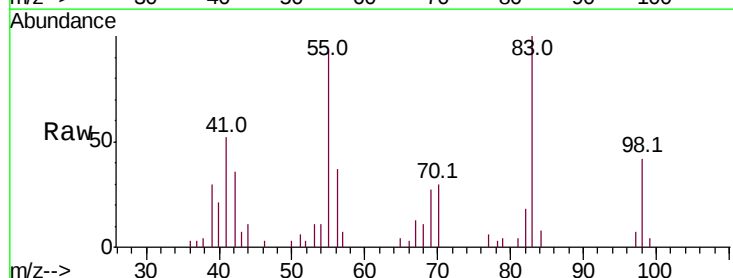
RT: 7.46 min Scan# 1035

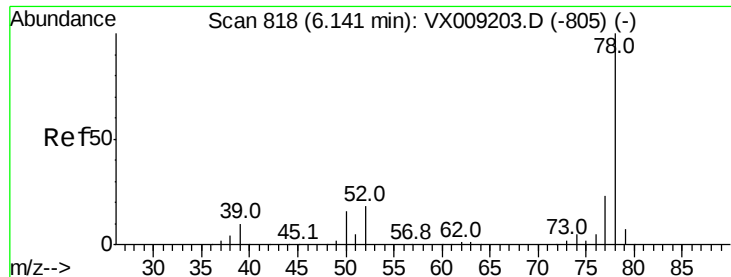
Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Tgt Ion:	83	Resp:	4815
Ion Ratio	Lower	Upper	
83	100		
55	93.1	67.7	101.5
98	41.6	35.5	53.3





#40

Benzene

Concen: 15.805 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

MW-8DL

Tot Ion: 78 Resp: 131774

Ion Ratio Lower Upper

78 100

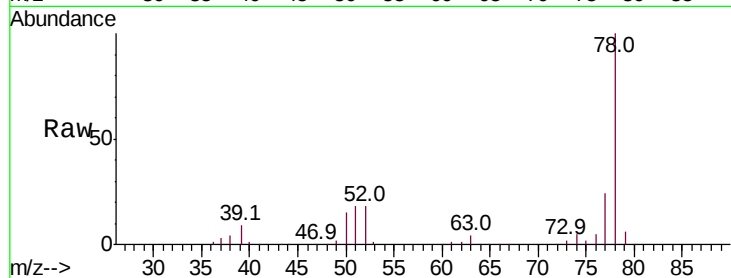
77 23.5 18.8 28.2

Manual Integrations

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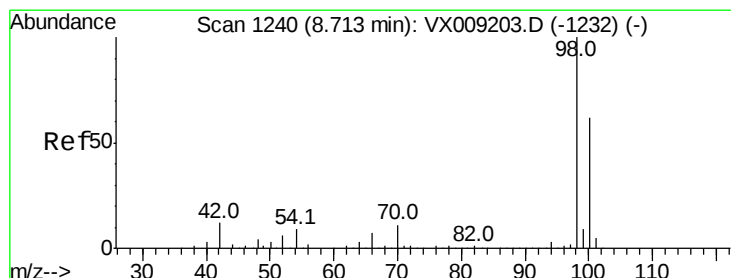
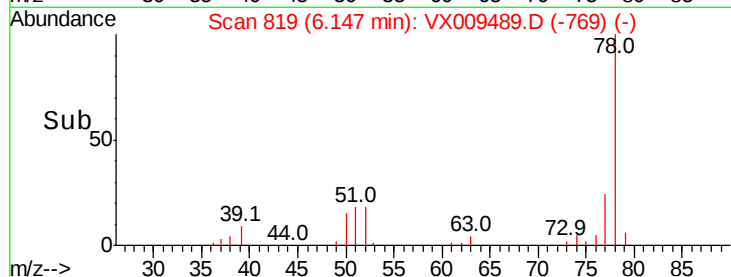
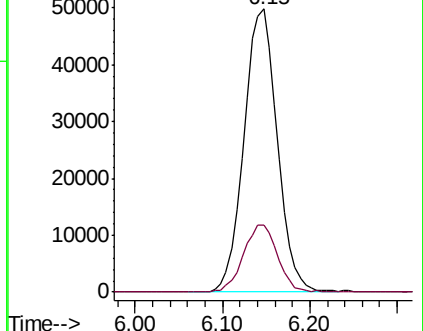
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.955 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009489.D

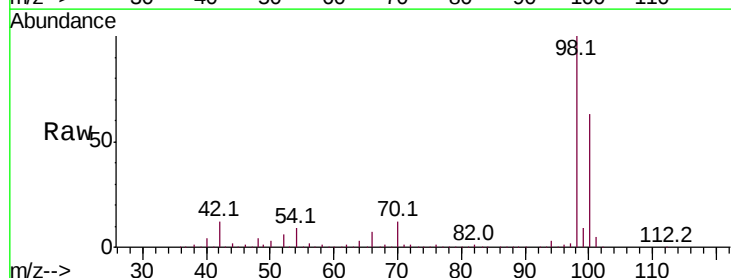
Acq: 10 May 2019 18:29

Tgt Ion: 98 Resp: 367543

Ion Ratio Lower Upper

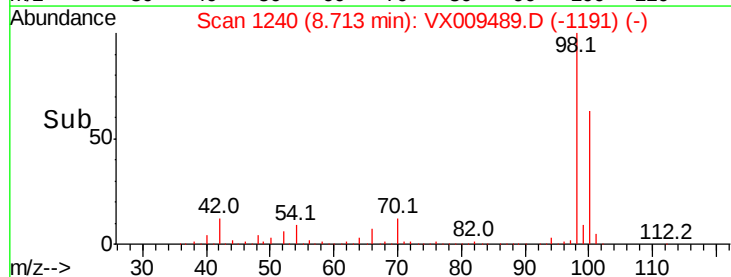
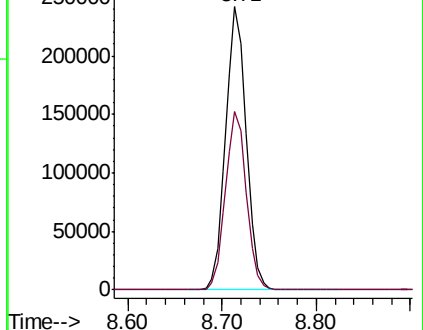
98 100

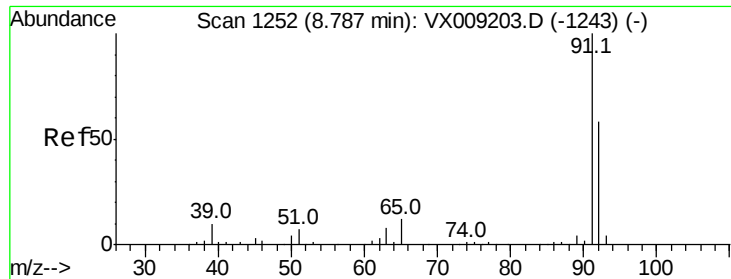
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 17.449 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

MW-8DL

Tot Ion: 92 Resp: 88434

Ion Ratio Lower Upper

92 100

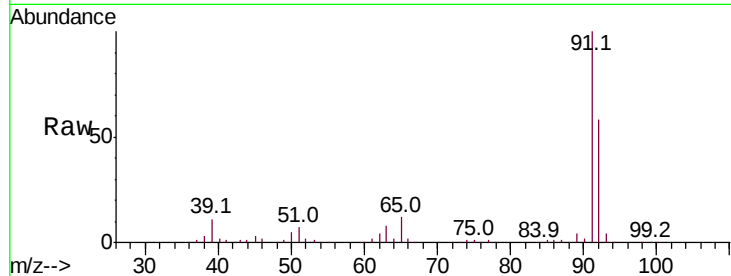
91 170.8 138.8 208.2

Manual Integrations

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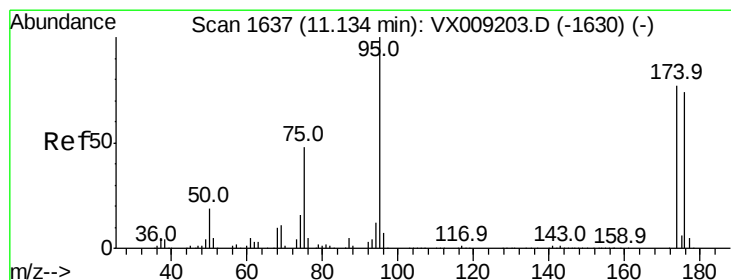
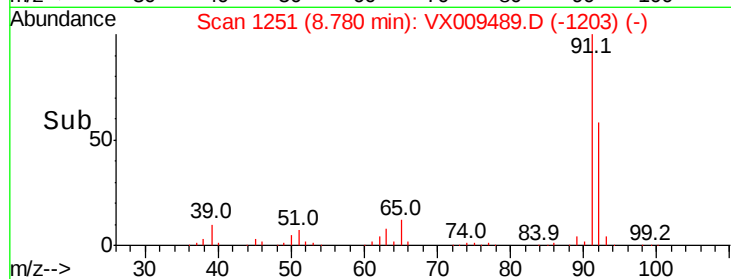
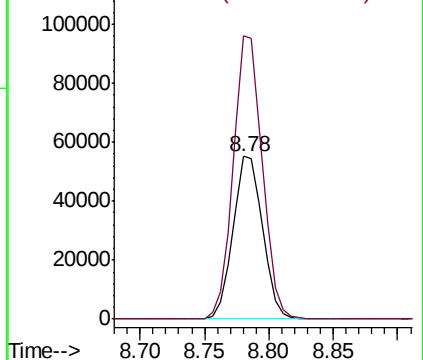
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.532 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

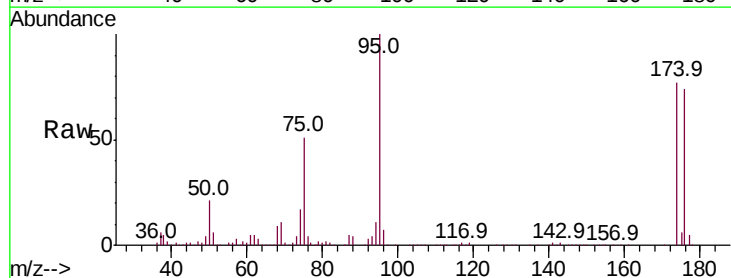
Tgt Ion: 95 Resp: 124399

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

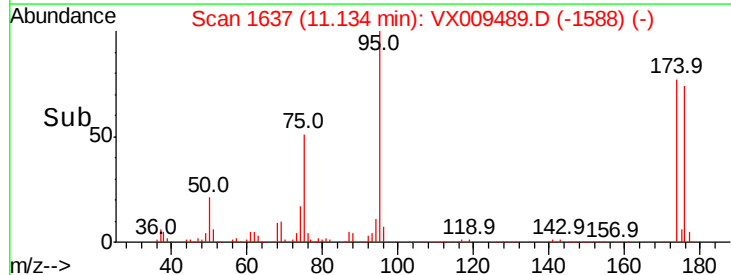
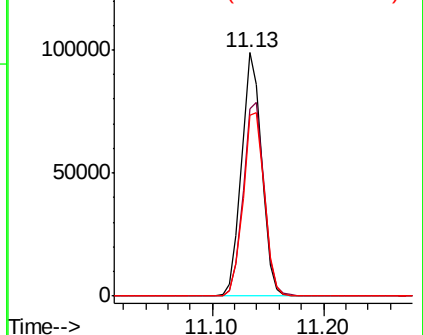
176 79.2 0.0 159.2

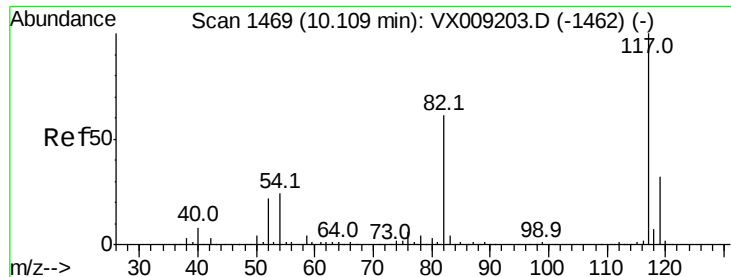


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





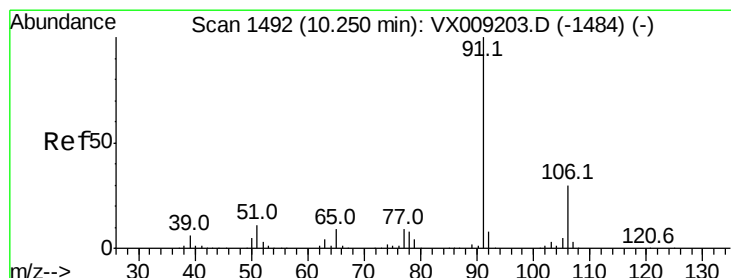
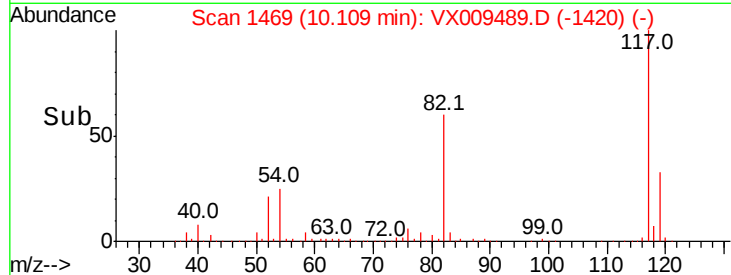
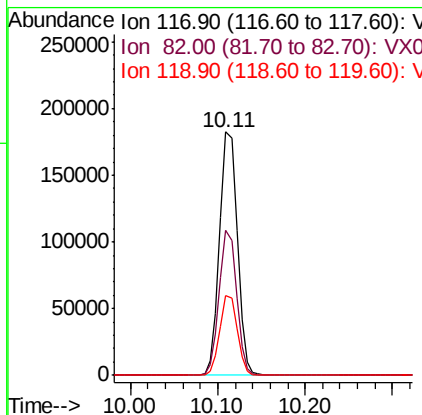
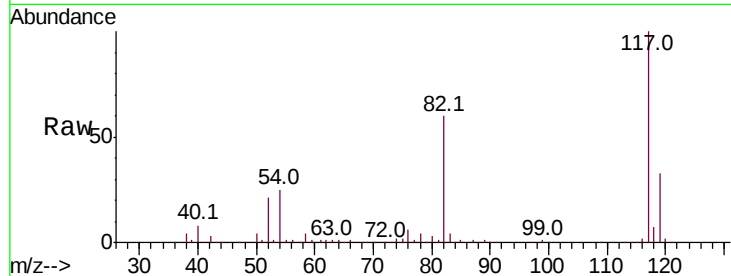
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009489.D
Acq: 10 May 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :
MW-8DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	48.8	73.2
119	32.6	25.8	38.6

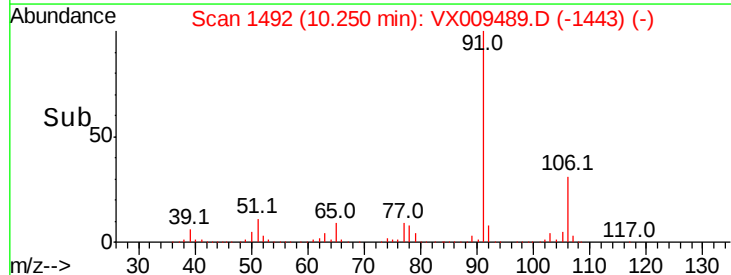
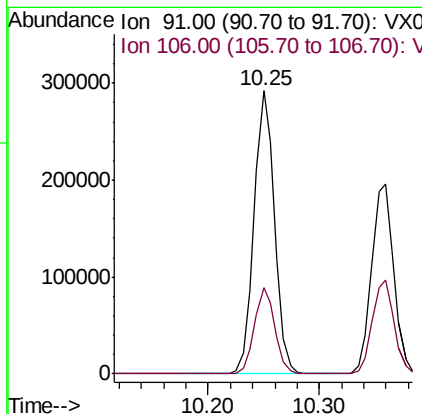
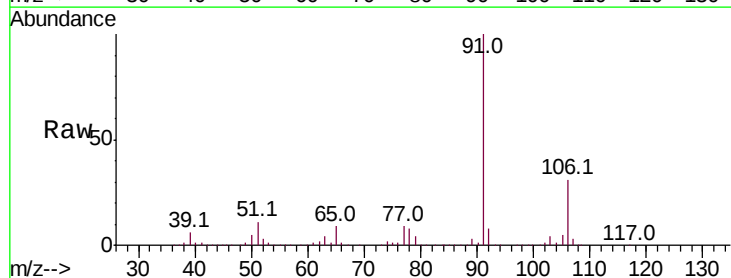
Manual Integrations
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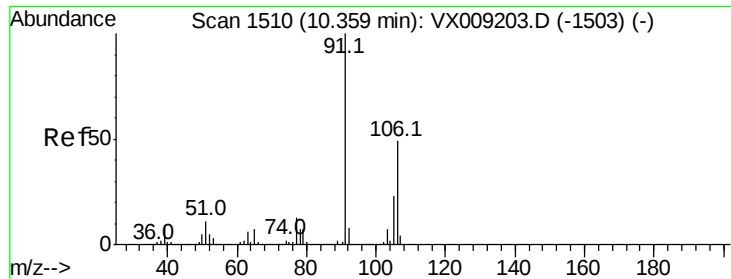
MMDadoda
5/11/2019 11:53:01 AM



#67
Ethyl Benzene
Concen: 39.460 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009489.D
Acq: 10 May 2019 18:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.0	36.0





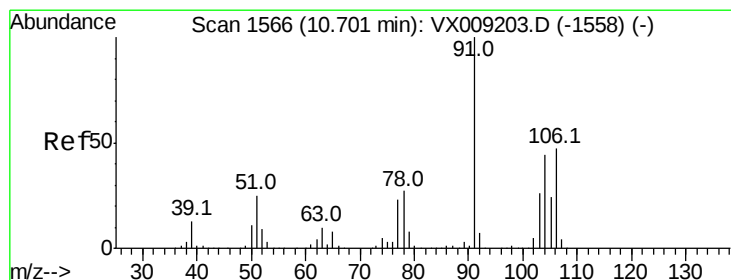
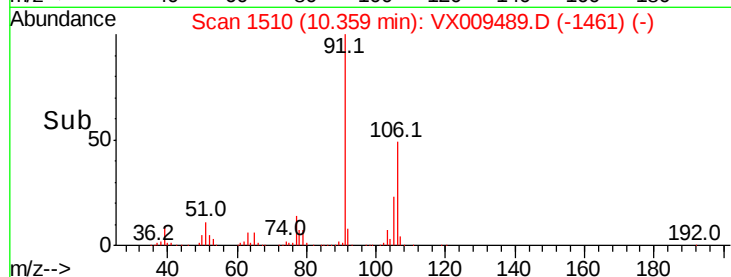
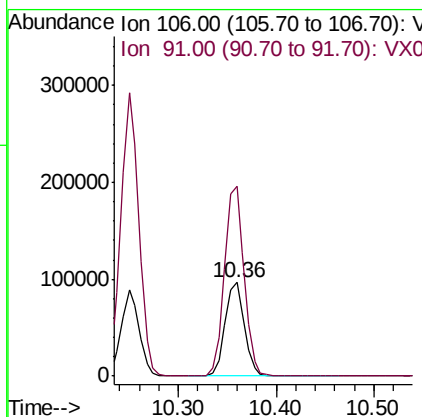
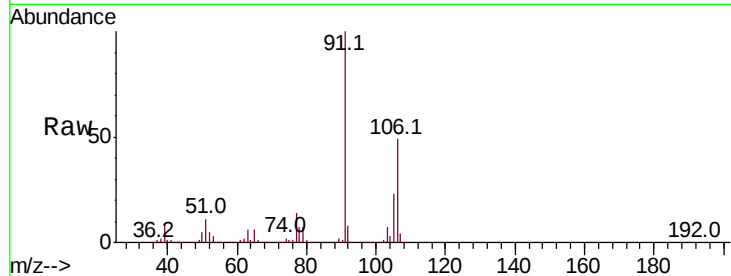
#68
m/p-Xylenes
Concen: 38.258 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009489.D
Acq: 10 May 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :
MW-8DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.9	164.0	246.0

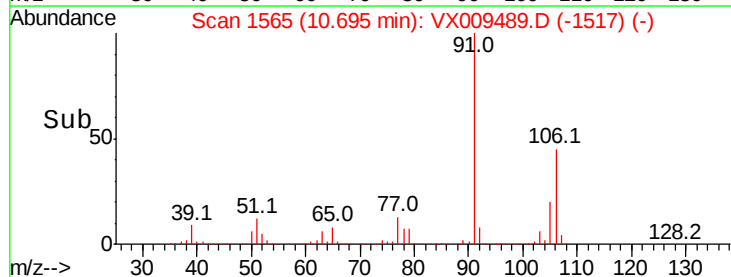
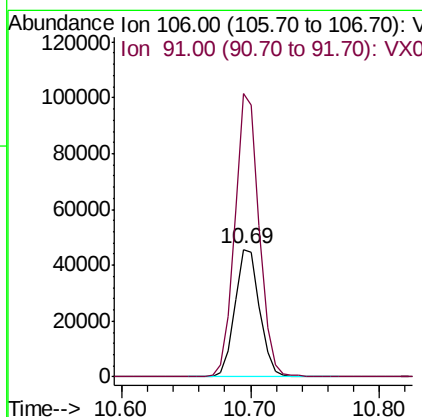
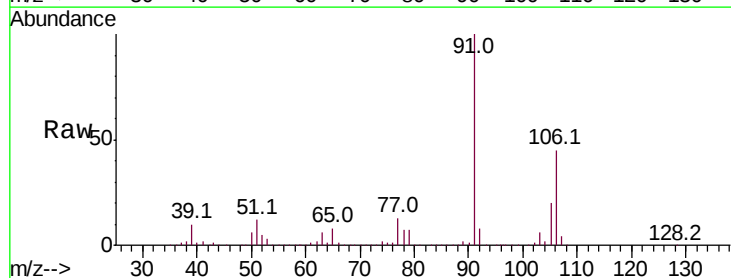
Manual Integrations
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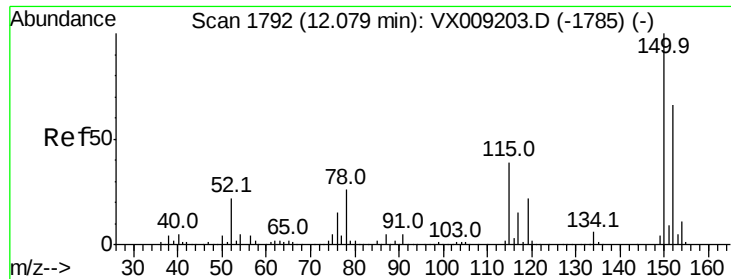
MMDadoda
5/11/2019 11:53:01 AM



#69
o-Xylene
Concen: 17.815 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009489.D
Acq: 10 May 2019 18:29

Tgt Ion	Ratio	Lower	Upper
106	100		
91	219.6	109.5	328.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

MW-8DL

Tot Ion:152 Resp: 115288

Ion Ratio Lower Upper

152 100

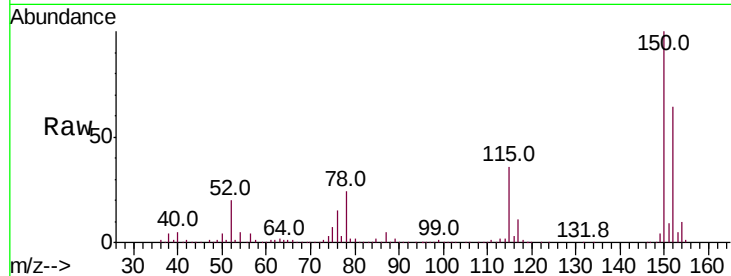
115 58.4 41.2 123.6

150 156.2 0.0 346.4

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5/11/2019 11:53:01 AM

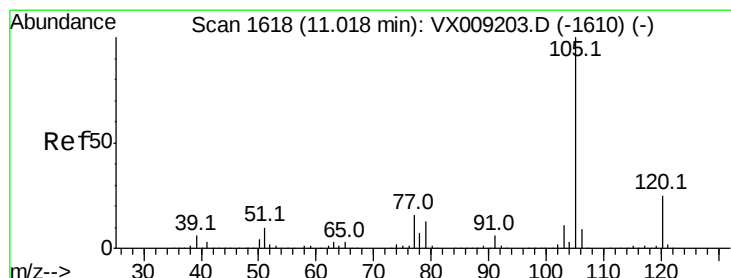
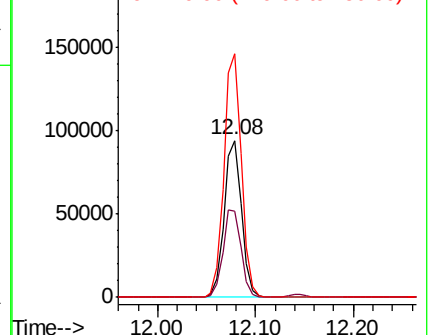
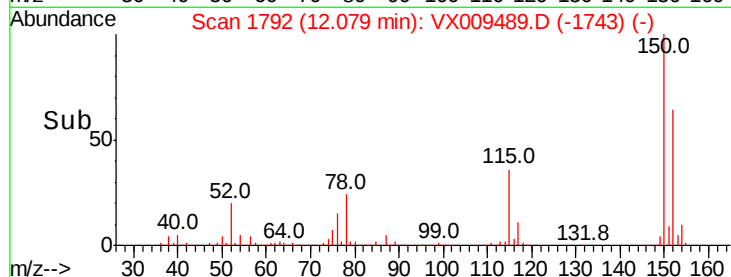


Abundance

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: 3.603 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009489.D

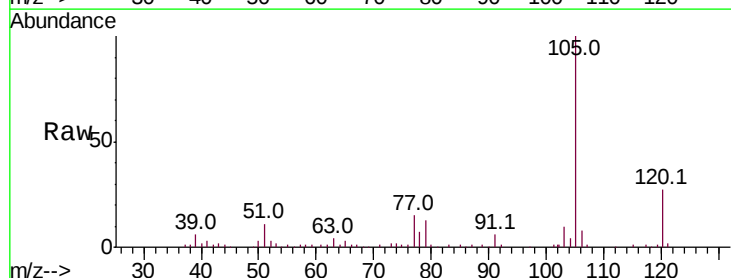
Acq: 10 May 2019 18:29

Tgt Ion:105 Resp: 30209

Ion Ratio Lower Upper

105 100

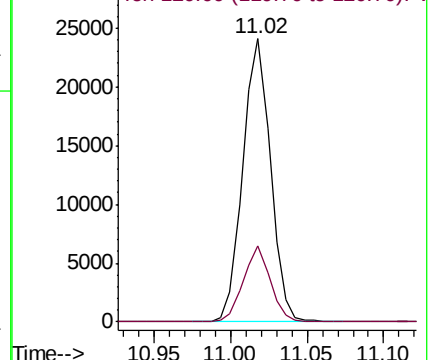
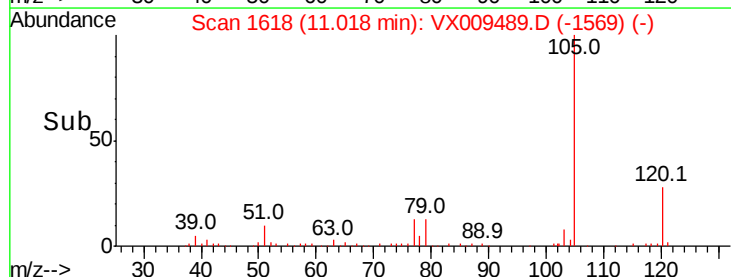
120 25.9 12.8 38.3

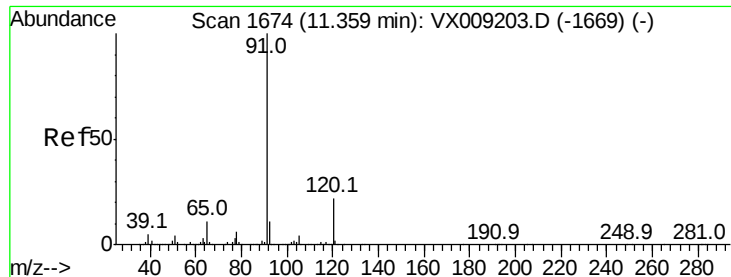


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.209 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009489.D

Acq: 10 May 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

MW-8DL

Tot Ion: 91 Resp: 78596

Ion Ratio Lower Upper

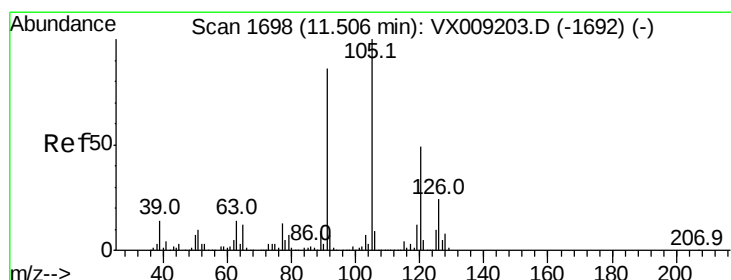
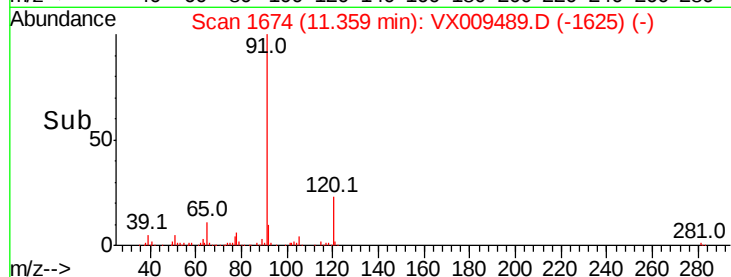
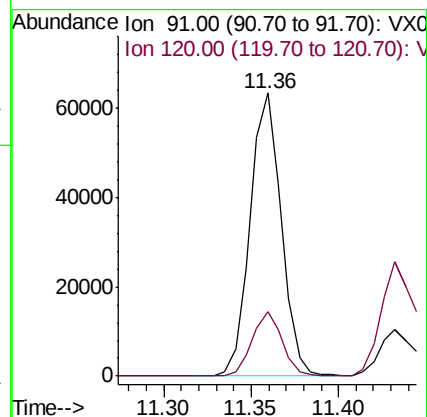
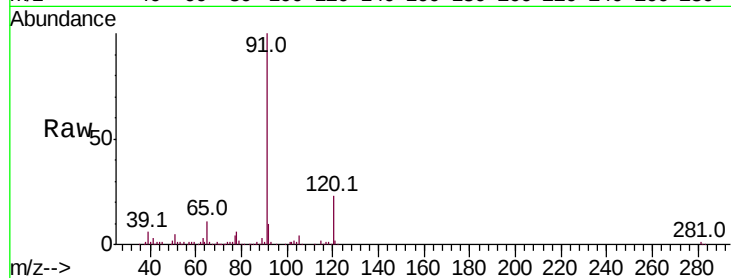
91 100

120 21.9 11.0 33.0

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#80

1,3,5-Trimethylbenzene

Concen: 6.246 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009489.D

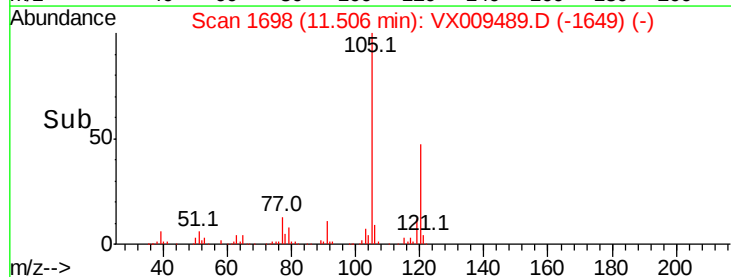
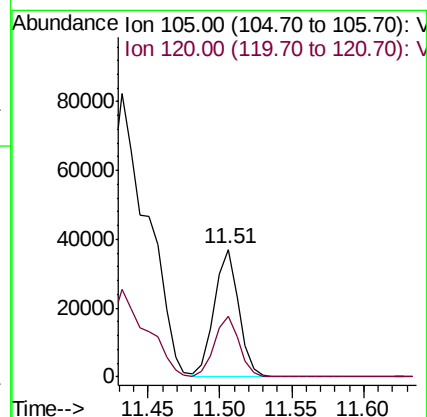
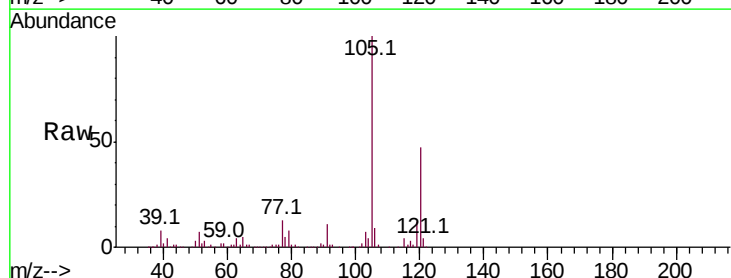
Acq: 10 May 2019 18:29

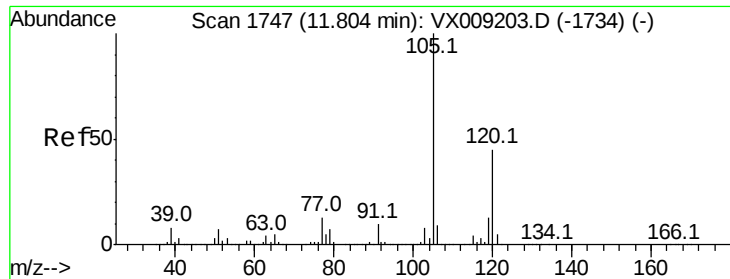
Tgt Ion: 105 Resp: 44092

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9





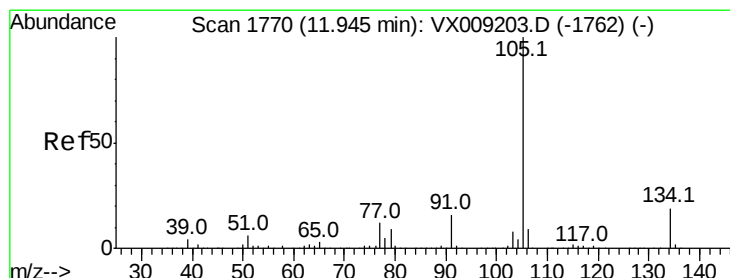
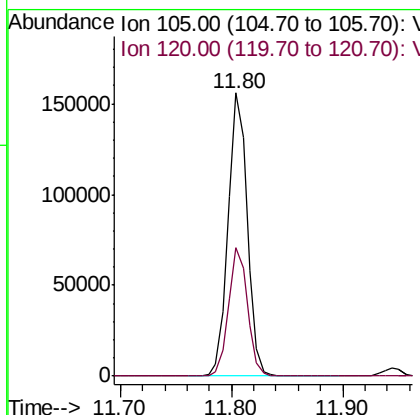
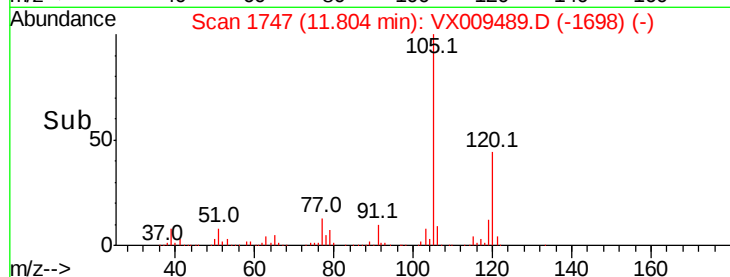
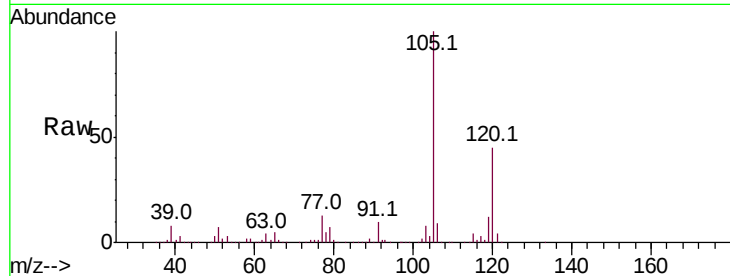
#84
 1,2,4-Trimethylbenzene
 Concen: 26.148 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009489.D
 Acq: 10 May 2019 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8DL

Tot Ion:105 Resp: 185273
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.0 66.0

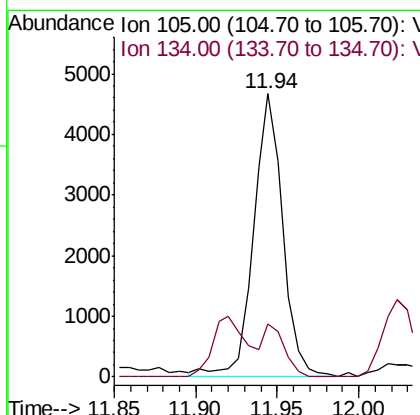
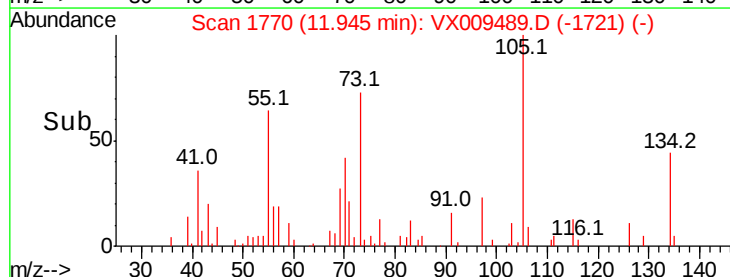
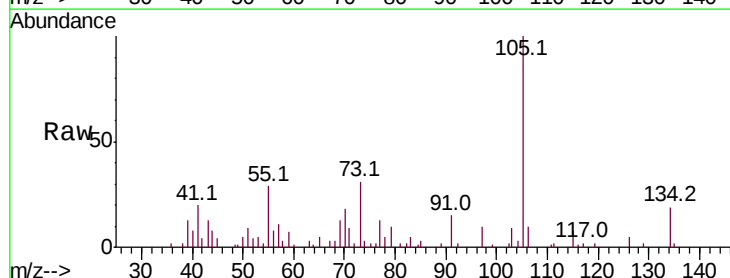
Manual Integrations
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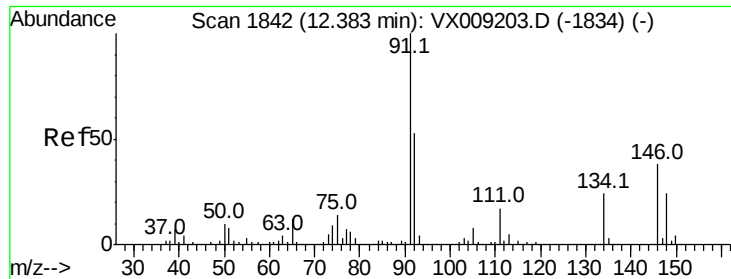
MMDadoda
 5/11/2019 11:53:01 AM



#85
 sec-Butylbenzene
 Concen: 0.717 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009489.D
 Acq: 10 May 2019 18:29

Tgt Ion:105 Resp: 5836
 Ion Ratio Lower Upper
 105 100
 134 12.7 9.7 28.9





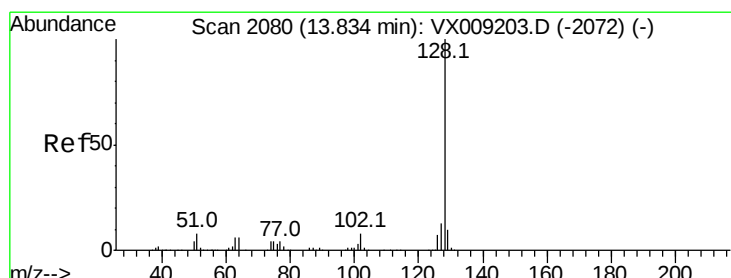
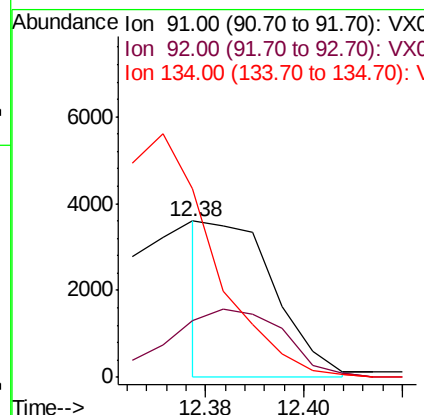
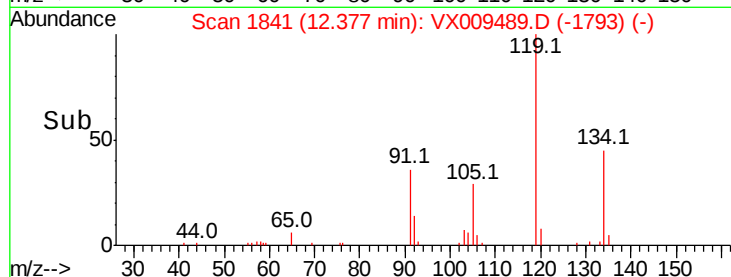
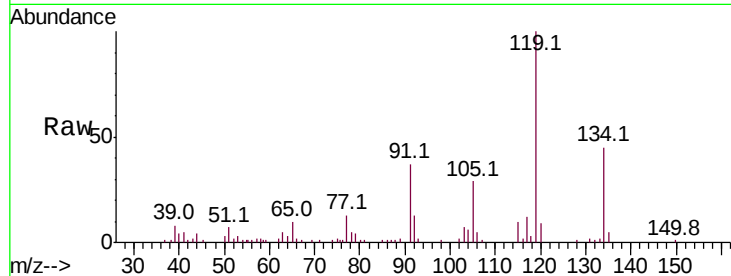
#89
n-Butylbenzene
Concen: 0.507 ug/l m
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX009489.D
Acq: 10 May 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :
MW-8DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	81.3	26.5	79.5#
134	253.2	12.4	37.2#

Manual Integrations
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5/11/2019 11:53:01 AM



#95
Naphthalene
Concen: 5.796 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009489.D
Acq: 10 May 2019 18:29

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	11.3	8.6	13.0

