

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009840.D
 Acq On : 23 May 2019 06:21
 Operator : JC/SP
 Sample : K2976-21 50X
 Misc : 6.62g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SBR-4BR(14-17)

Manual Integrations
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 5/23/2019 10:38:46 AM

Quant Time: May 23 09:10:04 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	183305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	298490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	282777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145634	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	125932	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
35) Dibromofluoromethane	5.50	113	90419	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
50) Toluene-d8	8.71	98	384762	50.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	149778	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.82%	
Target Compounds						
					Qvalue	
73) Isopropylbenzene	11.02	105	2910	0.275	ug/l	100
78) n-propylbenzene	11.36	91	14135	1.169	ug/l	92
83) tert-Butylbenzene	11.77	119	19455	2.243	ug/l	82
84) 1,2,4-Trimethylbenzene	11.80	105	95058	10.620	ug/l	100
85) sec-Butylbenzene	11.94	105	129498	12.592	ug/l	98
86) p-Isopropyltoluene	12.06	119	10908m	1.180	ug/l	
89) n-Butylbenzene	12.38	91	35651m	4.266	ug/l	

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

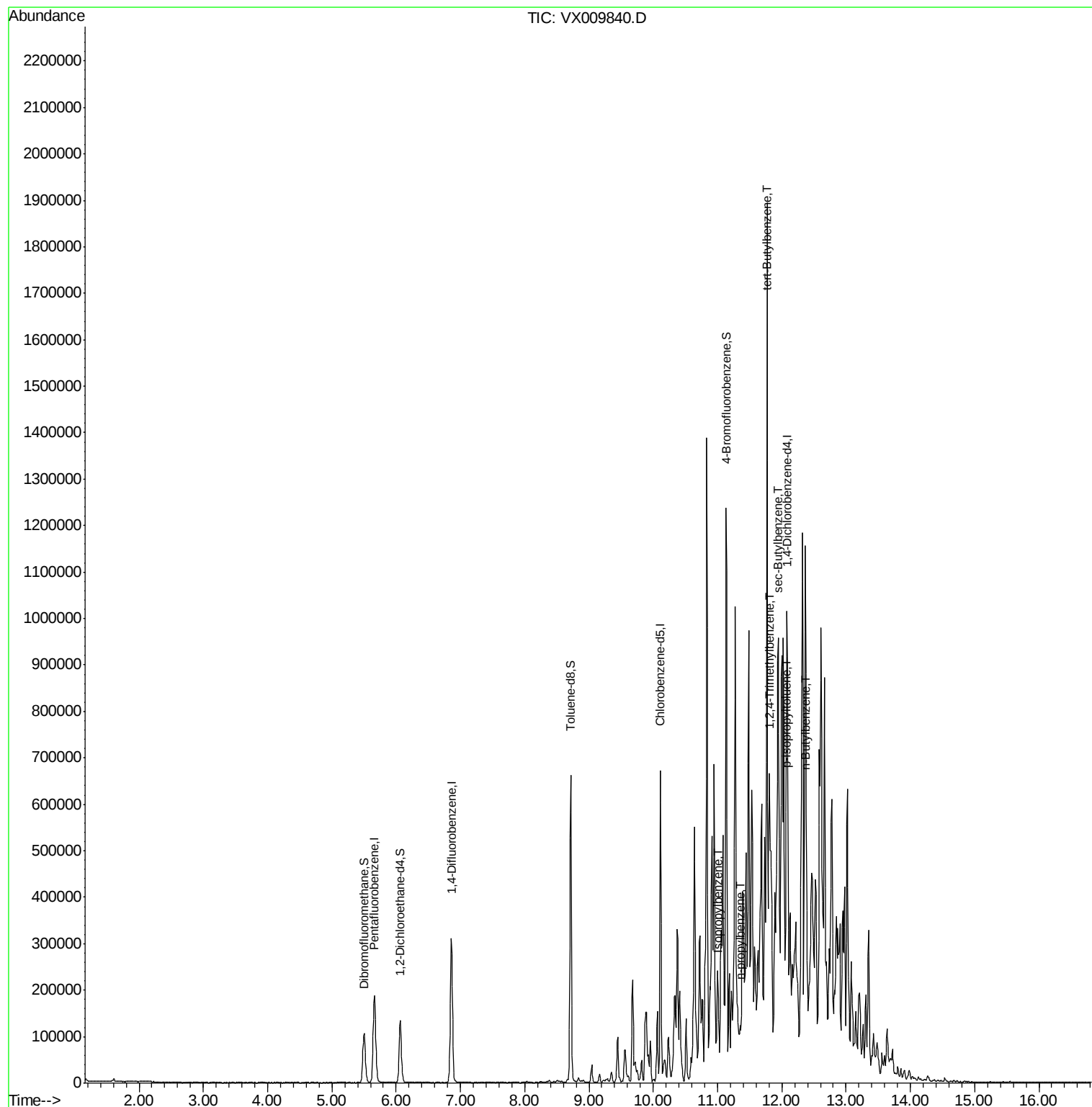
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052219\
Data File : VX009840.D
Acq On : 23 May 2019 06:21
Operator : JC/SP
Sample : K2976-21 50X
Misc : 6.62g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 52 Sample Multiplier: 1

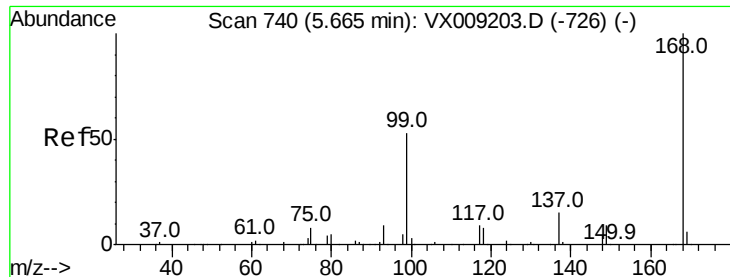
Instrument :
MSVOA_X
ClientSampleId :
EP1-SBR-4BR(14-17)

Manual Integrations
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Quant Time: May 23 09:10:04 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: VX009840.D

Acq: 23 May 2019 06:21

Instrument :

MSVOA_X

ClientSampleId :

EP1-SBR-4BR(14-17)

Tot Ion:168 Resp: 183305

Ion Ratio Lower Upper

168 100

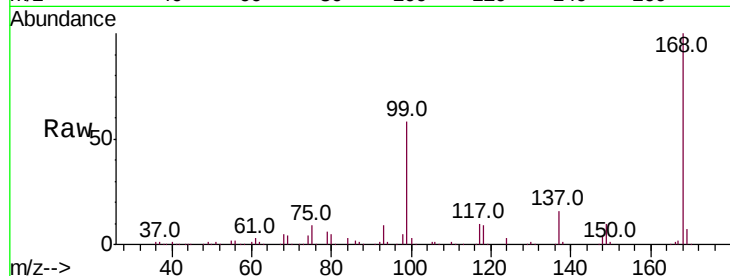
99 57.8 42.3 63.5

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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

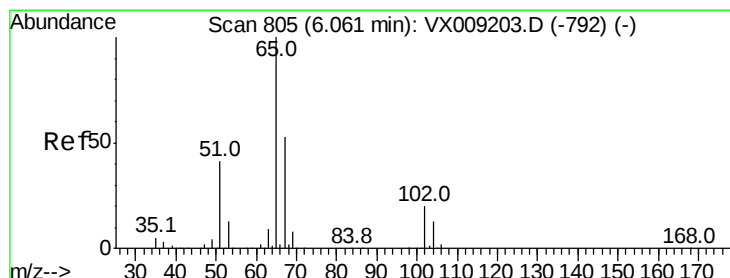
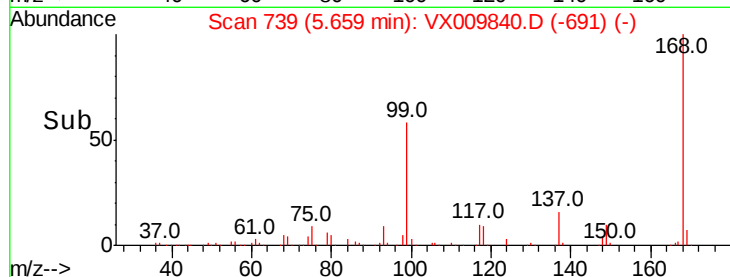
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.326 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009840.D

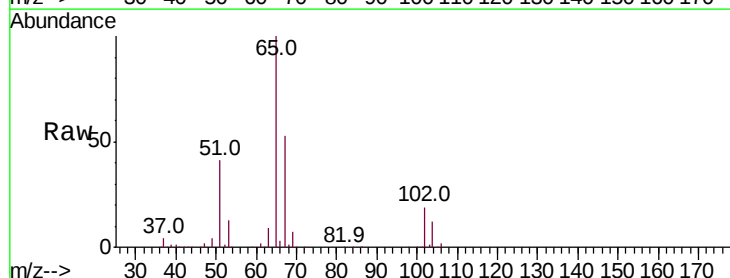
Acq: 23 May 2019 06:21

Tgt Ion: 65 Resp: 125932

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

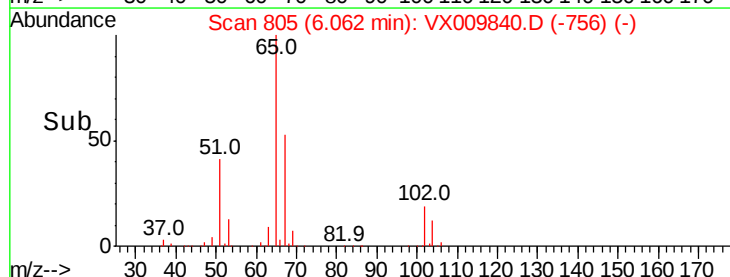
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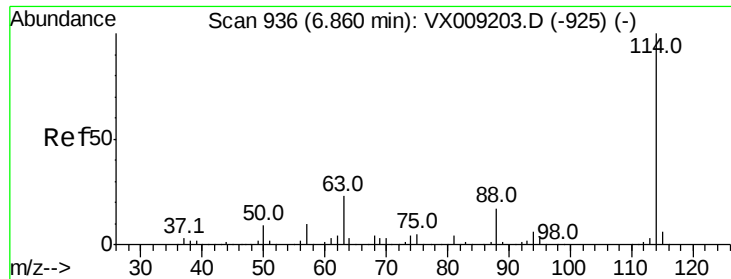
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





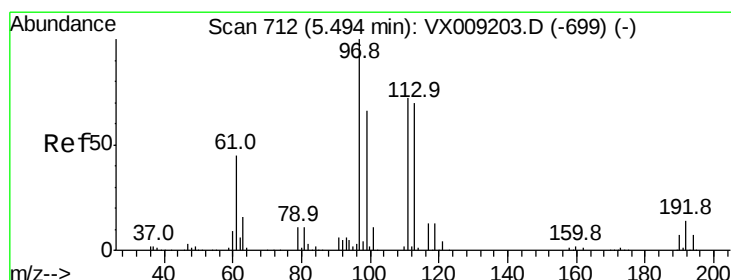
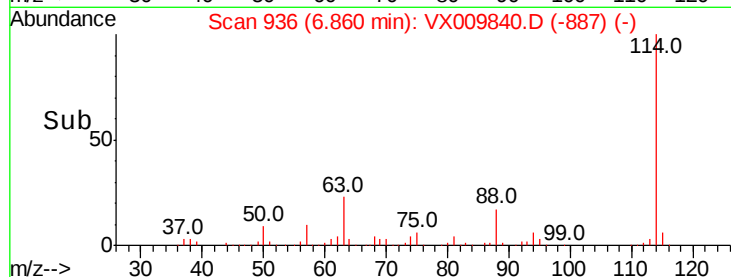
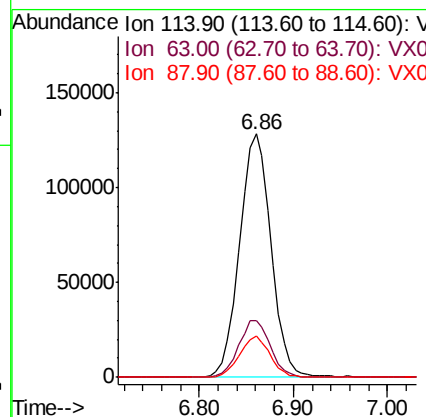
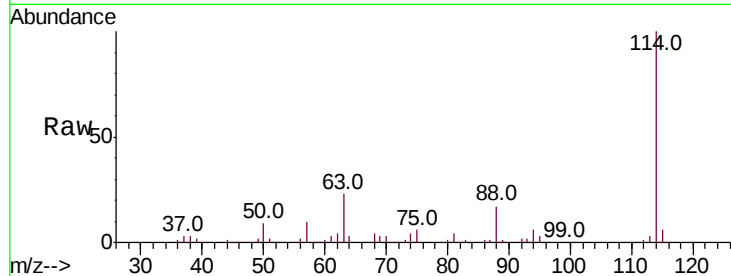
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009840.D
 Acq: 23 May 2019 06:21

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SBR-4BR(14-17)

Tot Ion	Ratio	Resp	Lower	Upper
114	100	298490		
63	23.3	0.0	45.6	
88	17.1	0.0	33.2	

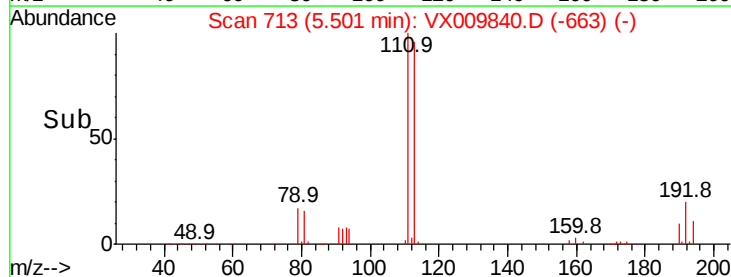
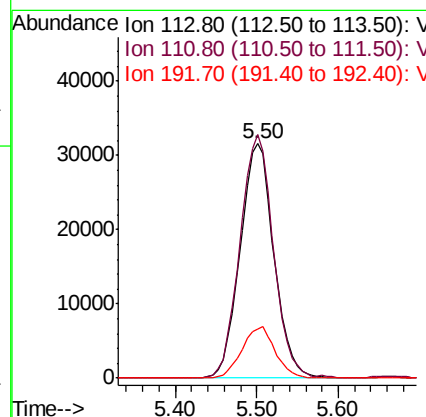
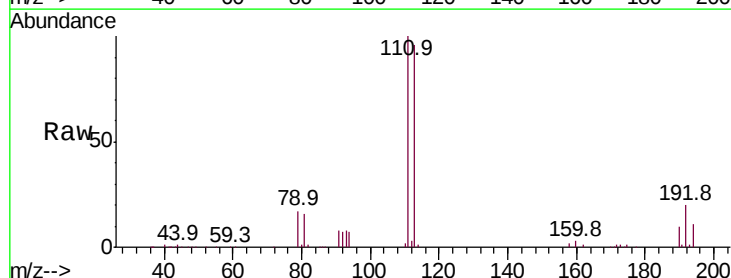
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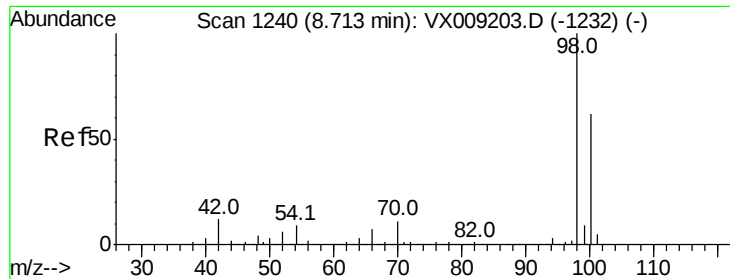
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#35
 Dibromofluoromethane
 Concen: 48.187 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009840.D
 Acq: 23 May 2019 06:21

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	90419		
111	103.2	82.8	124.2	
192	21.6	17.0	25.6	





#50

Toluene-d8

Concen: 50.790 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009840.D

Acq: 23 May 2019 06:21

Instrument :

MSVOA_X

ClientSampleId :

EP1-SBR-4BR(14-17)

Tot Ion: 98 Resp: 384762

Ion Ratio Lower Upper

98 100

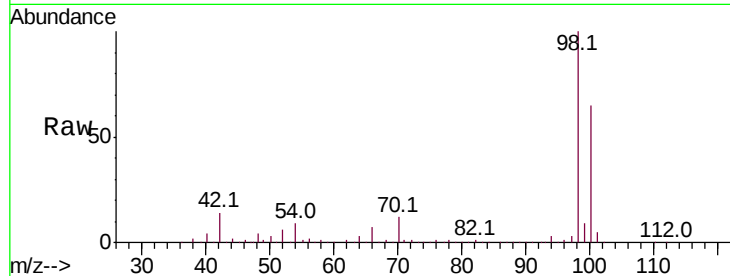
100 64.3 51.2 76.8

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

50000

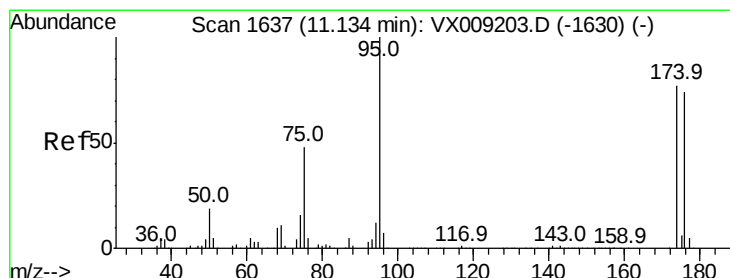
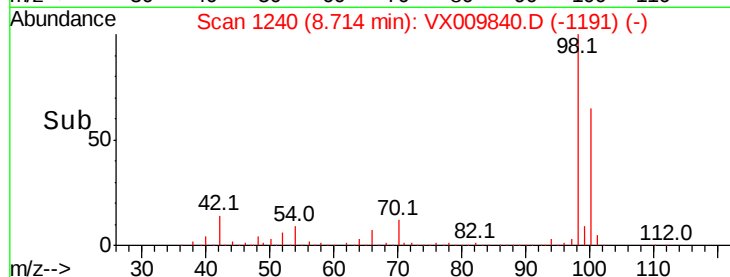
0

8.60

8.70

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 54.412 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009840.D

Acq: 23 May 2019 06:21

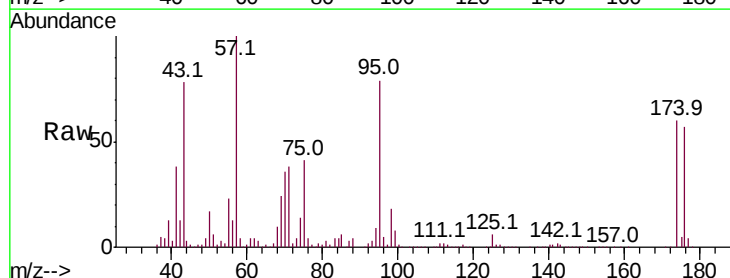
Tgt Ion: 95 Resp: 149778

Ion Ratio Lower Upper

95 100

174 78.8 0.0 161.6

176 76.5 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

150000

100000

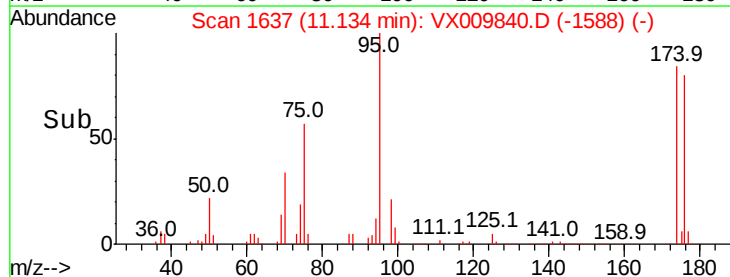
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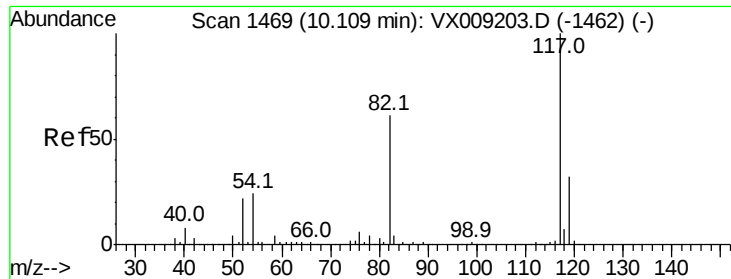
0

11.10

11.15

Time-->





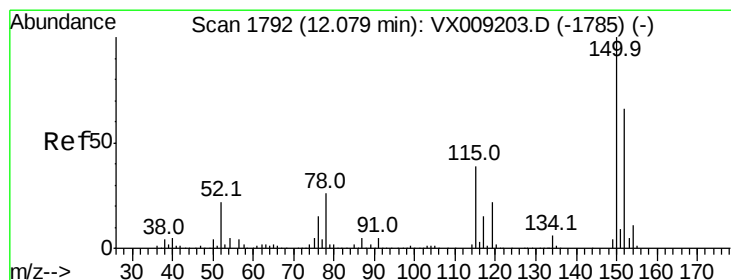
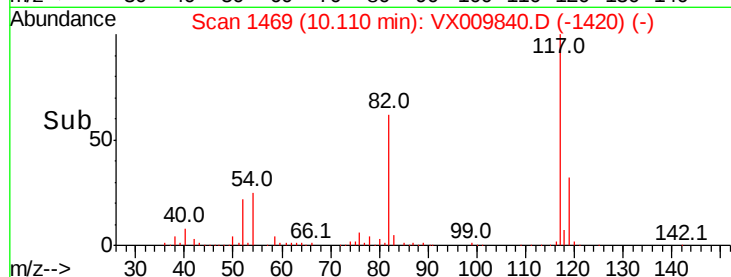
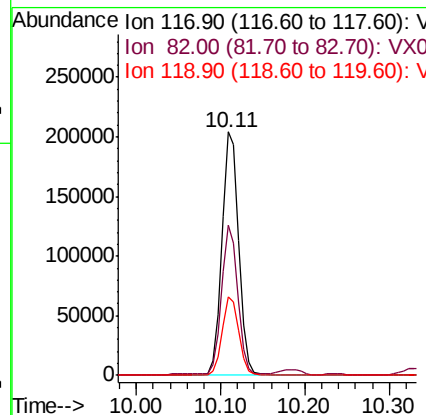
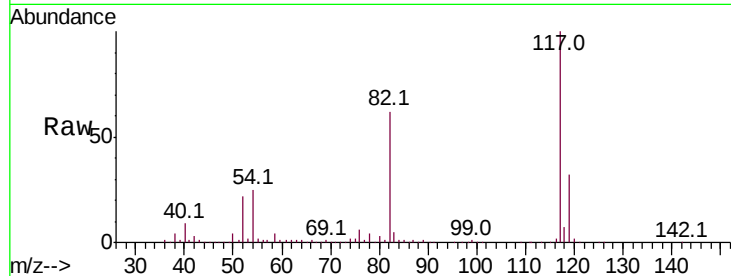
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009840.D
Acq: 23 May 2019 06:21

Instrument :
MSVOA_X
ClientSampleId :
EP1-SBR-4BR(14-17)

Tot Ion	Ratio	Resp	Lower	Upper
117	100	282777		
82	61.0	48.8	73.2	
119	32.2	25.8	38.6	

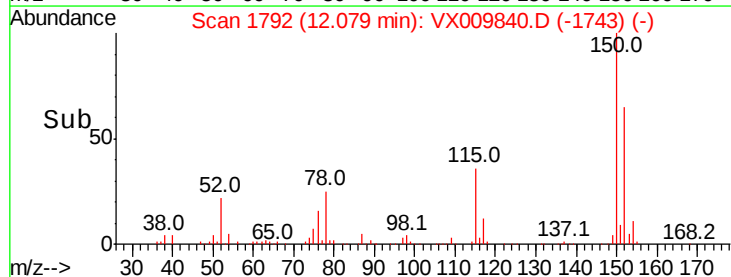
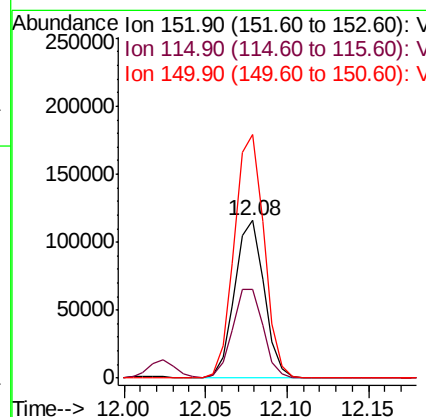
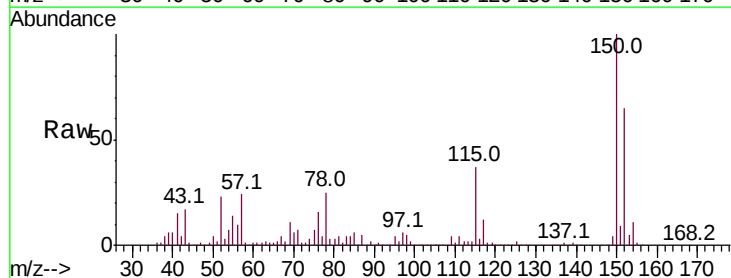
Manual Integrations
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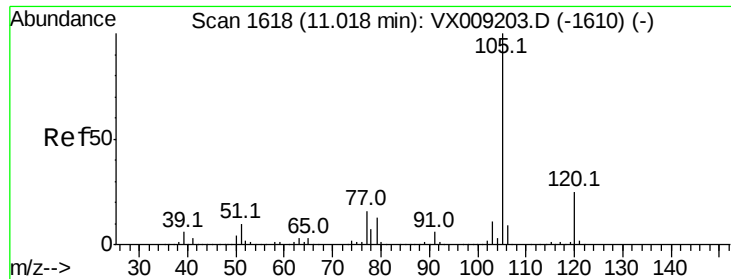
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009840.D
Acq: 23 May 2019 06:21

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	145634		
115	58.4	41.2	123.6	
150	156.4	0.0	346.4	





#73

Isopropylbenzene

Concen: 0.275 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009840.D

Acq: 23 May 2019 06:21

Instrument :

MSVOA_X

ClientSampleId :

EP1-SBR-4BR(14-17)

Tot Ion:105 Resp: 2910

Ion Ratio Lower Upper

105 100

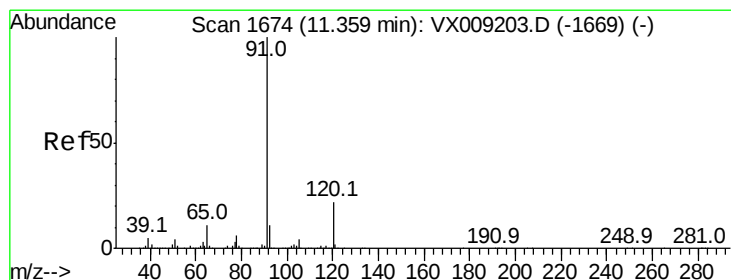
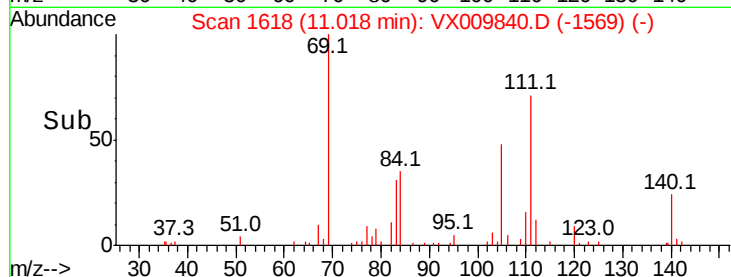
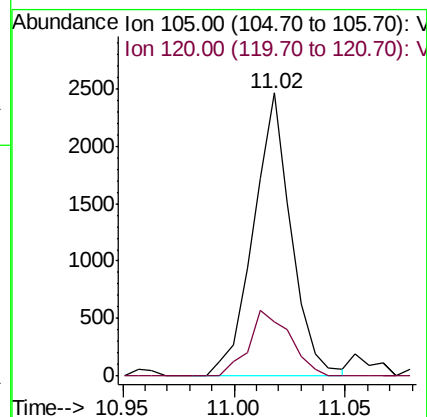
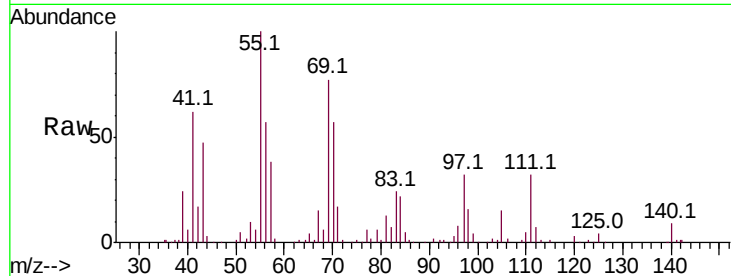
120 25.4 12.8 38.3

Manual Integrations

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#78

n-propylbenzene

Concen: 1.169 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009840.D

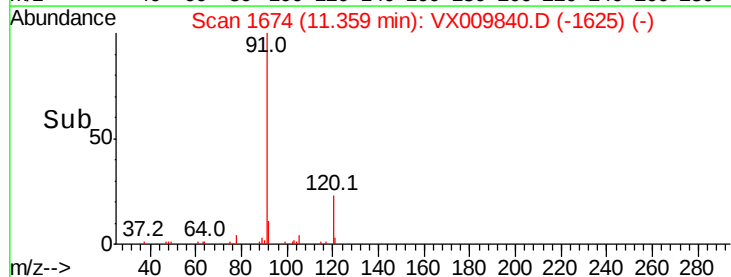
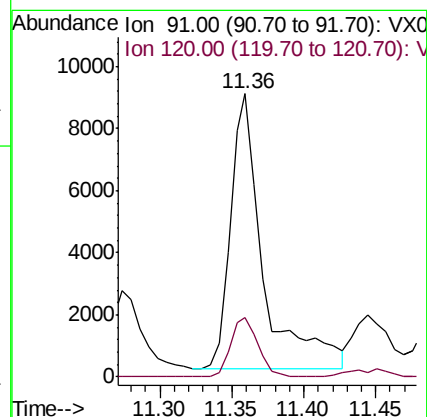
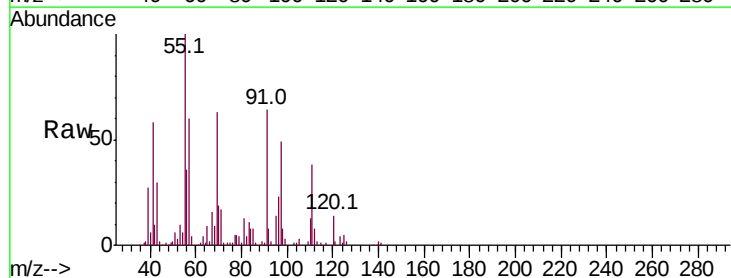
Acq: 23 May 2019 06:21

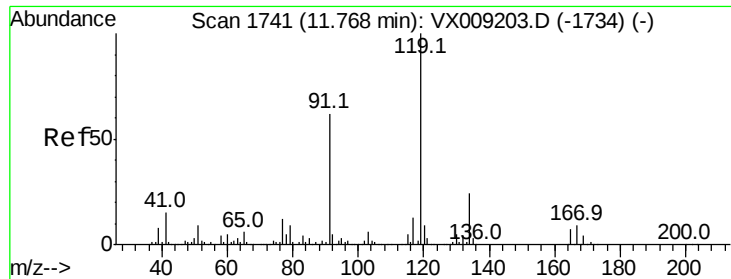
Tgt Ion: 91 Resp: 14135

Ion Ratio Lower Upper

91 100

120 18.0 11.0 33.0





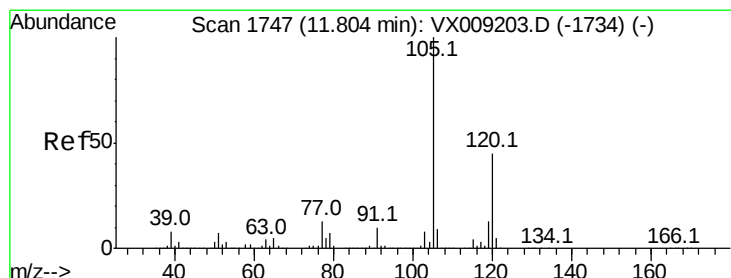
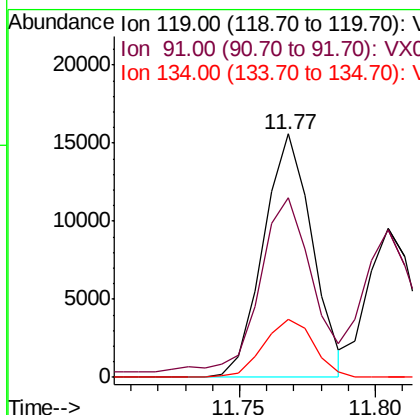
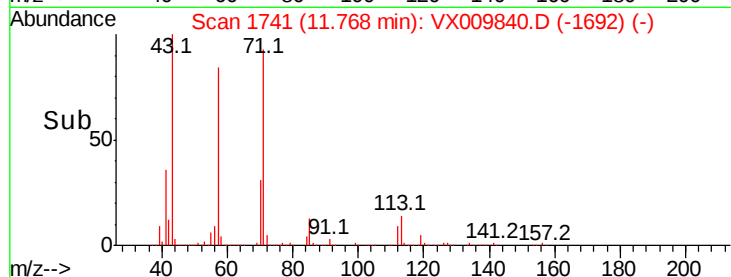
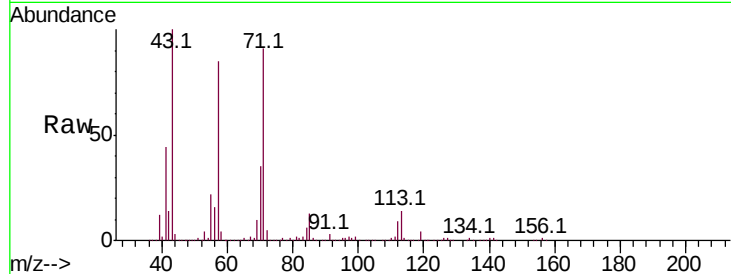
#83
tert-Butylbenzene
Concen: 2.243 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009840.D
Acq: 23 May 2019 06:21

Instrument :
MSVOA_X
ClientSampleId :
EP1-SBR-4BR(14-17)

Tot Ion	Ratio	Resp	Lower	Upper
119	100	19455		
91	76.7	29.5	88.5	
134	24.4	11.4	34.1	

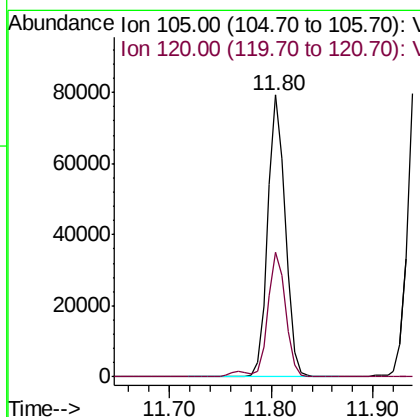
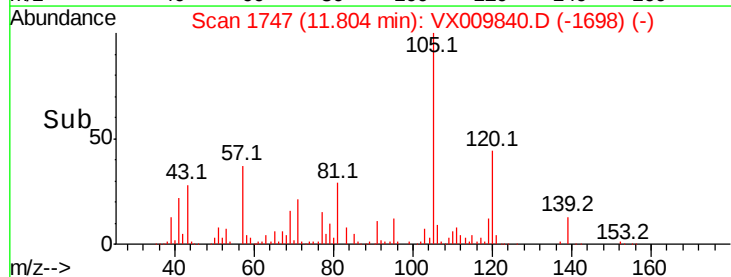
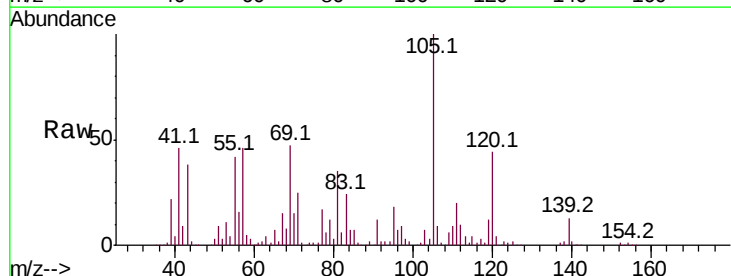
Manual Integrations
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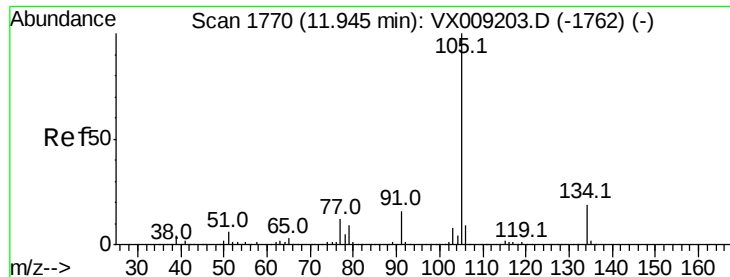
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#84
1,2,4-Trimethylbenzene
Concen: 10.620 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009840.D
Acq: 23 May 2019 06:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	95058		
120	43.7	22.0	66.0	





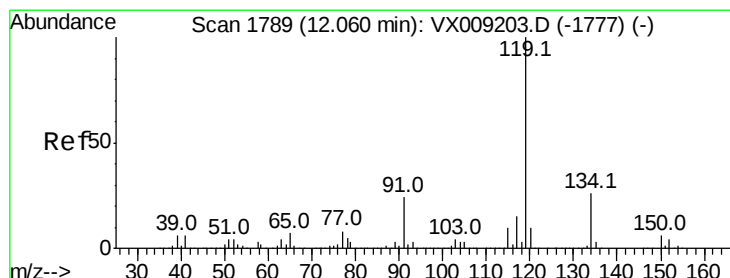
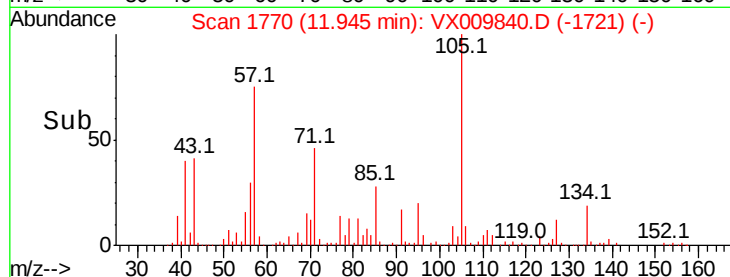
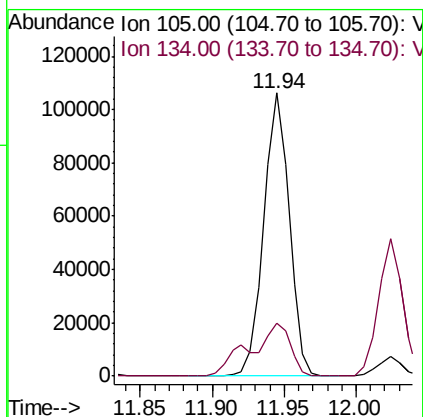
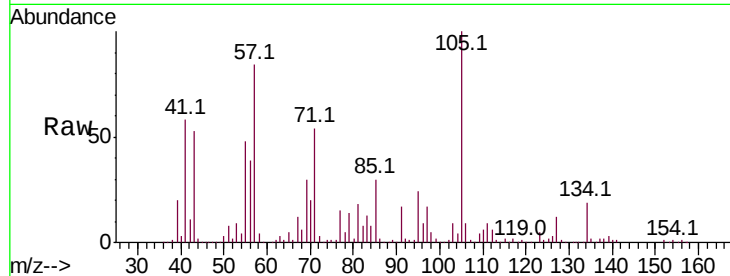
#85
 sec-Butylbenzene
 Concen: 12.592 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009840.D
 Acq: 23 May 2019 06:21

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SBR-4BR(14-17)

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.7	28.9

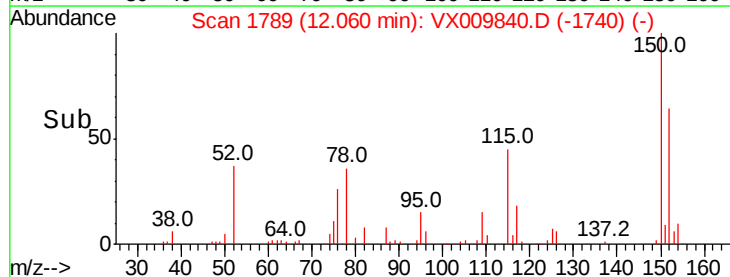
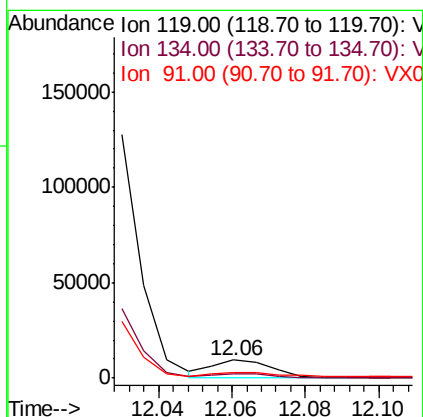
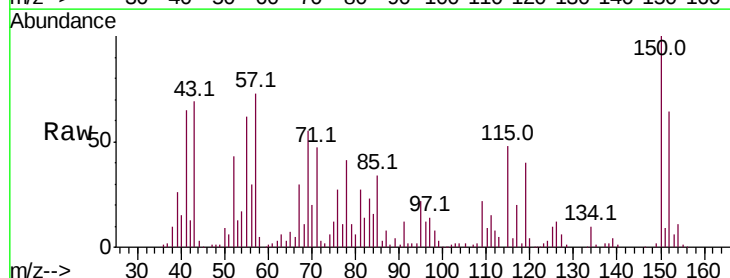
Manual Integrations
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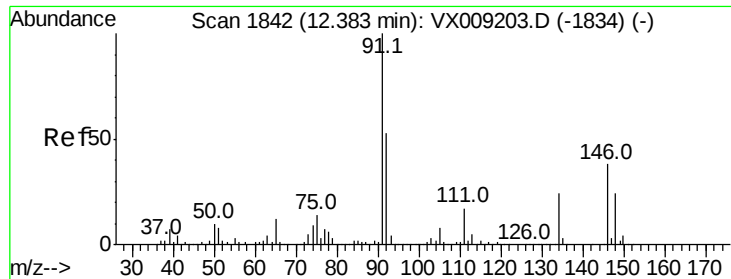
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 5/23/2019 10:38:46 AM



#86
 p-Isopropyltoluene
 Concen: 1.180 ug/l m
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009840.D
 Acq: 23 May 2019 06:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	543.5	12.9	38.7#
91	493.6	11.8	35.4#





#89
 n-Butylbenzene
 Concen: 4.266 ug/l m
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX009840.D
 Acq: 23 May 2019 06:21

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SBR-4BR(14-17)

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.5	26.5	79.5
134	175.2	12.4	37.2

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:38:46 AM

