

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080819\
 Data File : VX011394.D
 Acq On : 08 Aug 2019 17:30
 Operator : JC/SP
 Sample : K4251-02 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819

Manual Integrations
 APPROVED

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 8/9/2019 11:06:23 AM

Quant Time: Aug 09 05:01:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	147616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	241742	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	123082	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	85987	57.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.68%	
35) Dibromofluoromethane	5.49	113	76348	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
50) Toluene-d8	8.71	98	296102	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	113840	53.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.04%	
Target Compounds						
					Qvalue	
67) Ethyl Benzene	10.25	91	7704	0.901	ug/l	99
68) m/p-Xylenes	10.36	106	18522	5.600	ug/l	100
69) o-Xylene	10.69	106	1053	0.324	ug/l	87
73) Isopropylbenzene	11.02	105	52945	6.290	ug/l	98
78) n-propylbenzene	11.36	91	116323	12.426	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	13865m	1.968	ug/l	
83) tert-Butylbenzene	11.77	119	5695	0.824	ug/l	82
84) 1,2,4-Trimethylbenzene	11.80	105	632802	90.196	ug/l	100
85) sec-Butylbenzene	11.94	105	29043	3.498	ug/l #	76
86) p-Isopropyltoluene	12.06	119	19668	2.575	ug/l	97
89) n-Butylbenzene	12.38	91	15131m	2.299	ug/l	
95) Naphthalene	13.83	128	5765	0.717	ug/l #	93

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

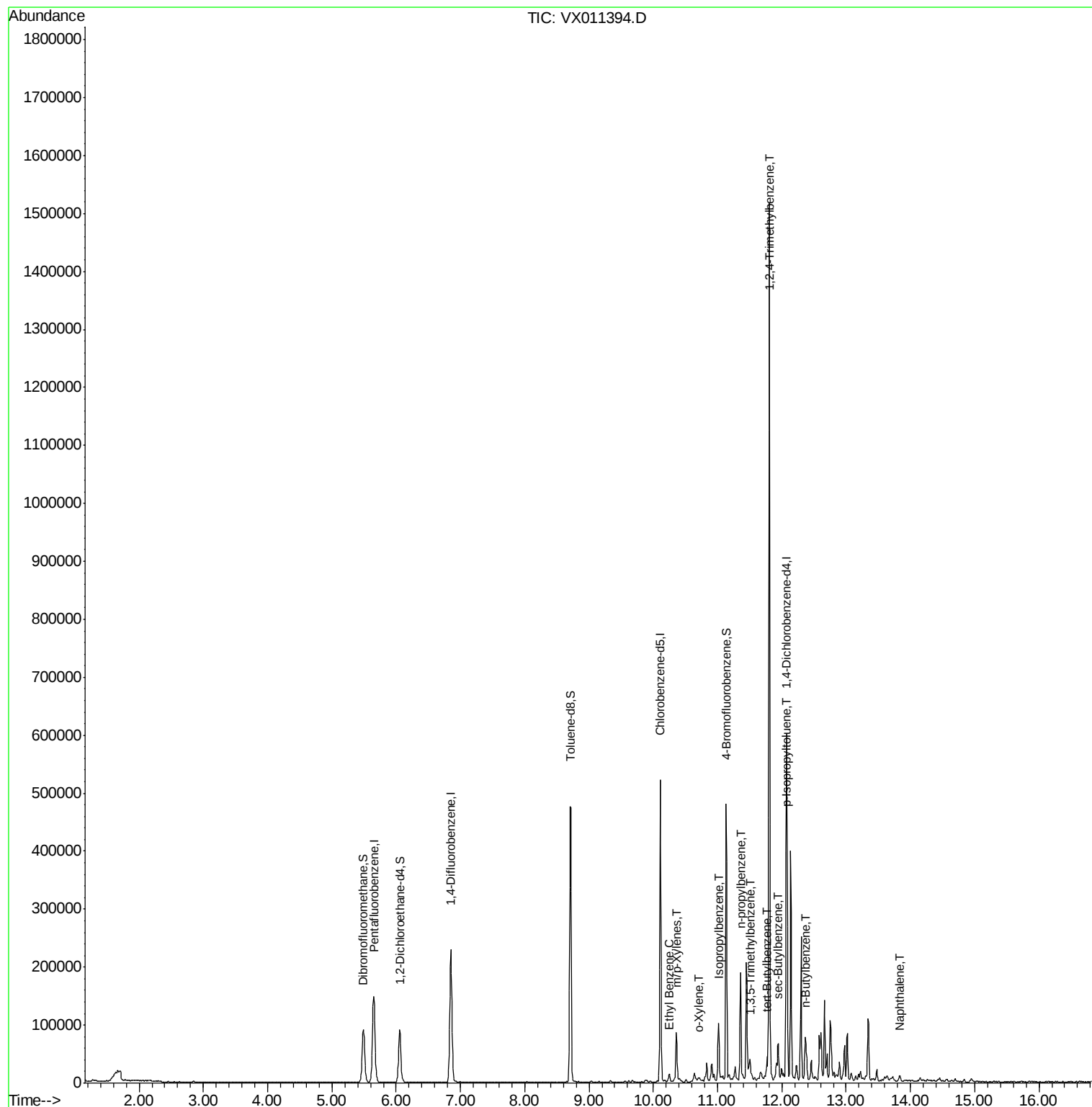
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080819\
Data File : VX011394.D
Acq On : 08 Aug 2019 17:30
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

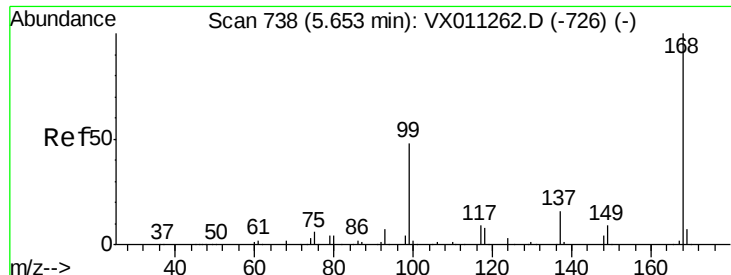
Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819

Manual Integrations
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Quant Time: Aug 09 05:01:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





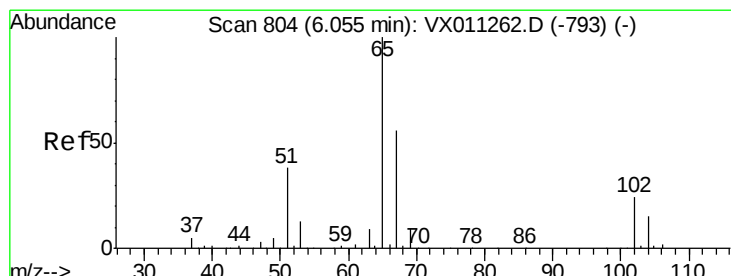
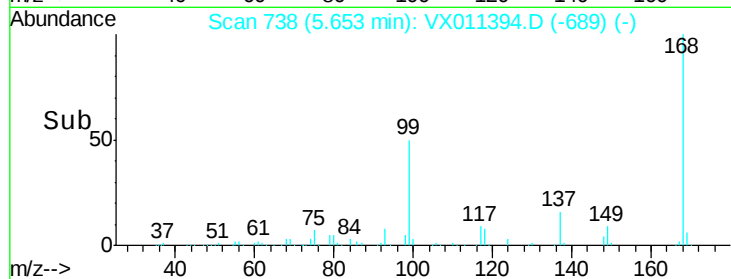
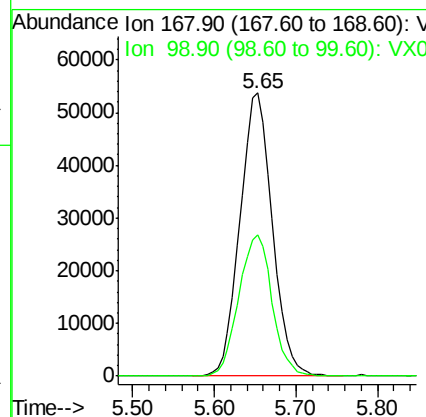
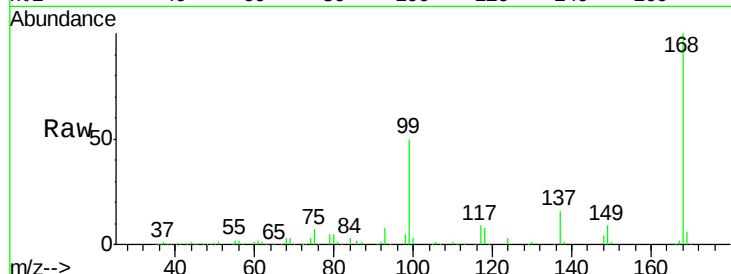
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.00 min
Lab File: VX011394.D
Acq: 08 Aug 2019 17:30

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.9	38.5	57.7

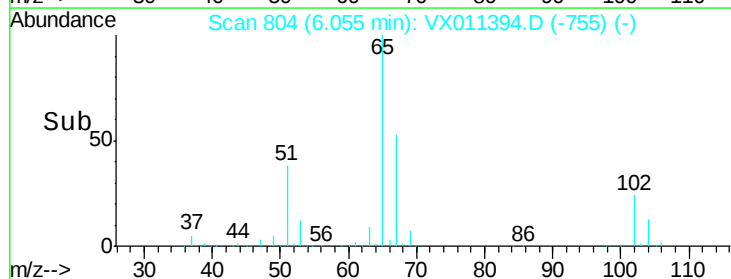
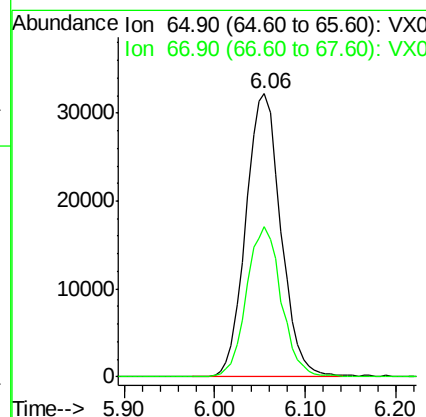
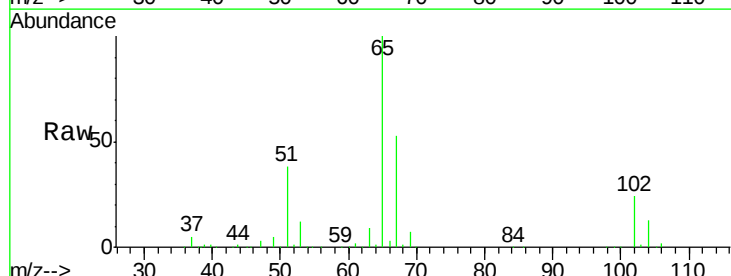
Manual Integrations
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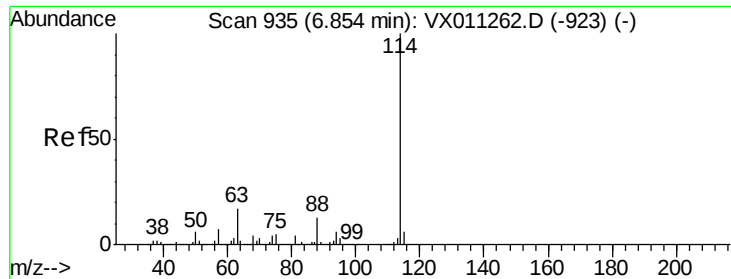
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#33
1,2-Dichloroethane-d4
Concen: 57.842 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011394.D
Acq: 08 Aug 2019 17:30

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011394.D

Acq: 08 Aug 2019 17:30

Instrument :

MSVOA_X

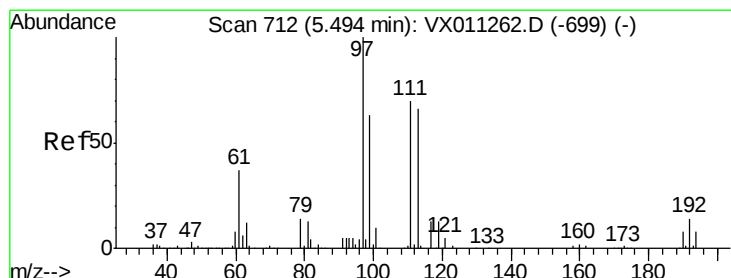
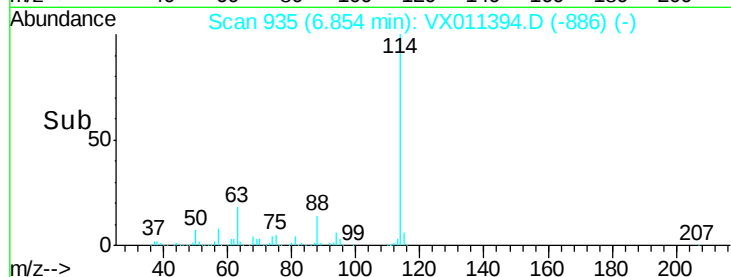
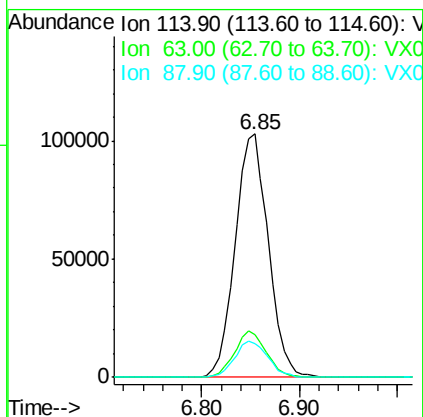
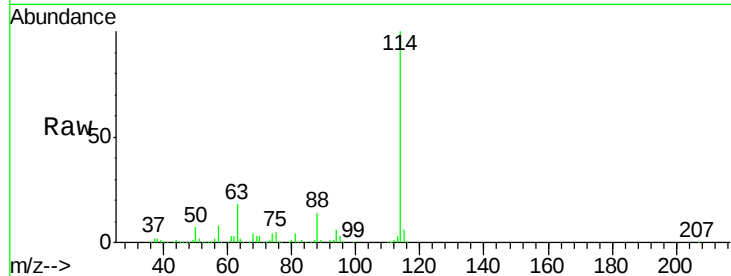
ClientSampleId :

EP1-MW-K-0819

Tot Ion:	114	Resp:	241742
Ion Ratio	Lower	Upper	
114	100		
63	17.5	0.0	34.0
88	13.6	0.0	26.4

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#35

Dibromofluoromethane

Concen: 48.374 ug/l

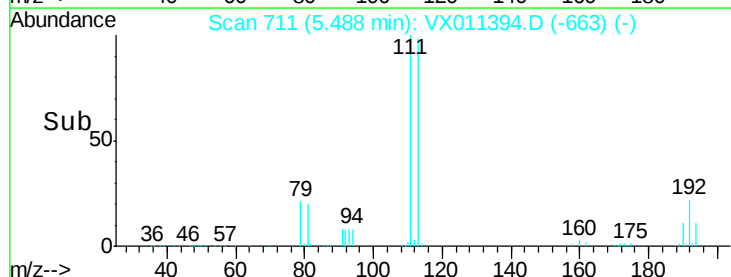
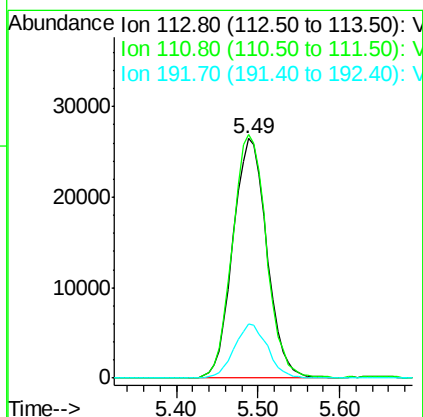
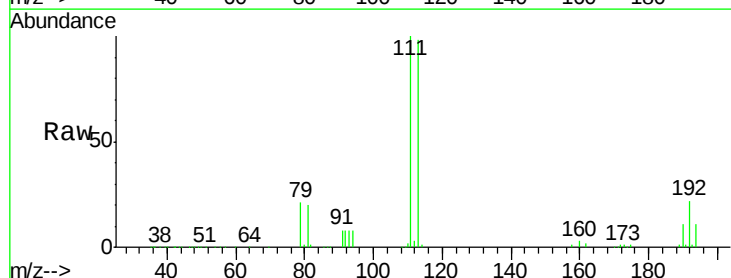
RT: 5.49 min Scan# 711

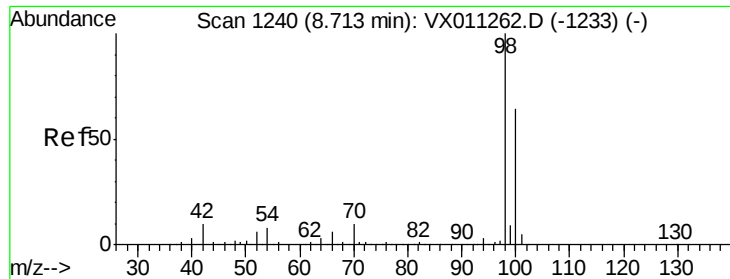
Delta R.T. -0.01 min

Lab File: VX011394.D

Acq: 08 Aug 2019 17:30

Tgt Ion:	113	Resp:	76348
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.9	122.9
192	22.3	17.8	26.8





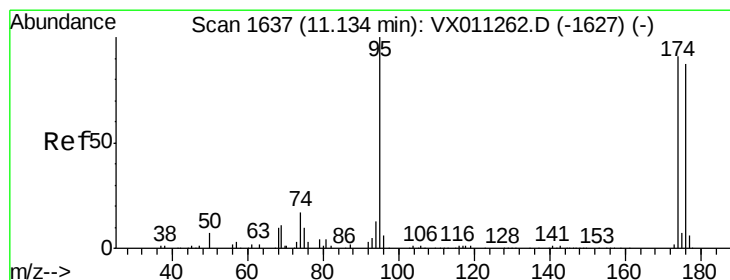
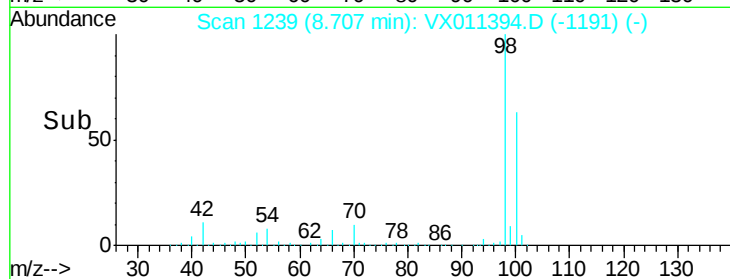
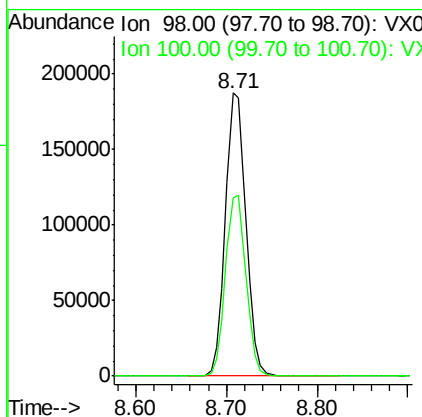
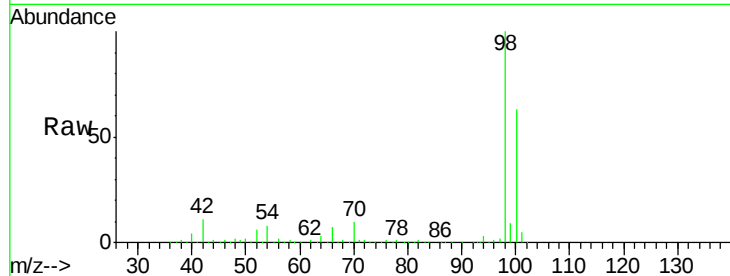
#50
Toluene-d8
Concen: 49.702 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011394.D
Acq: 08 Aug 2019 17:30

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819

Tot Ion: 98 Resp: 296102
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5

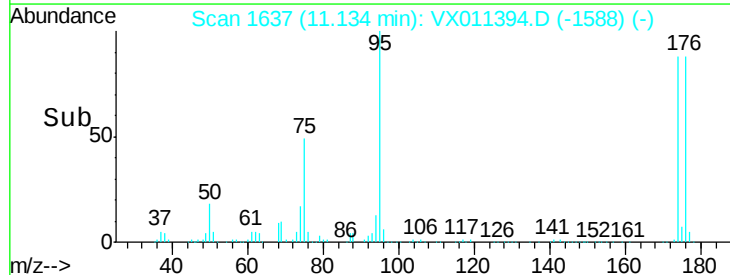
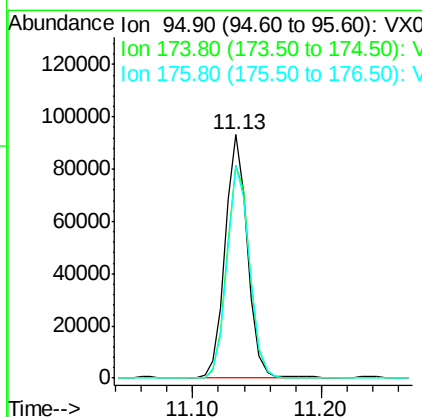
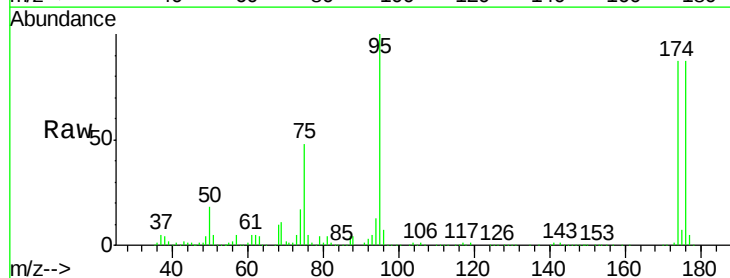
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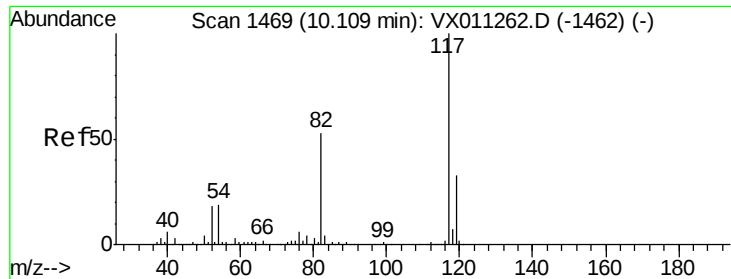
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#62
4-Bromofluorobenzene
Concen: 53.521 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011394.D
Acq: 08 Aug 2019 17:30

Tgt Ion: 95 Resp: 113840
Ion Ratio Lower Upper
95 100
174 89.8 0.0 191.2
176 87.9 0.0 184.8





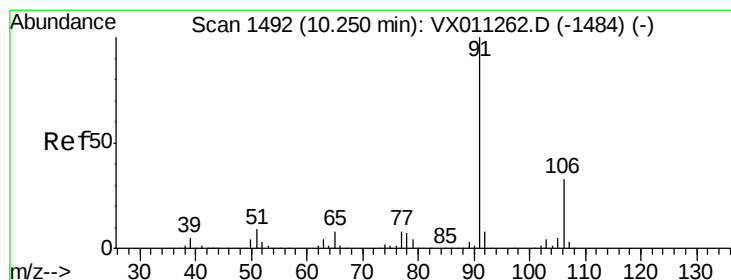
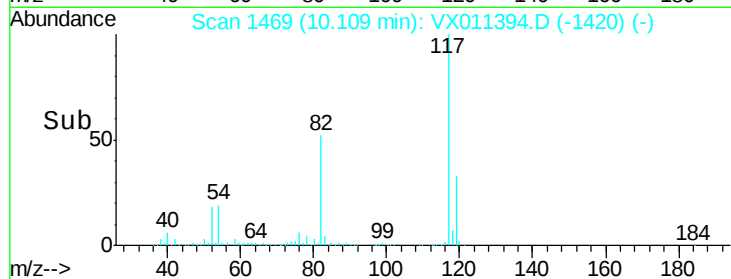
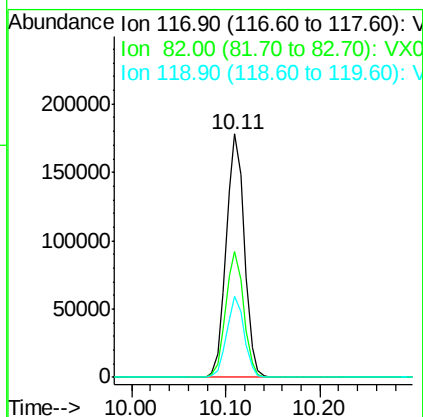
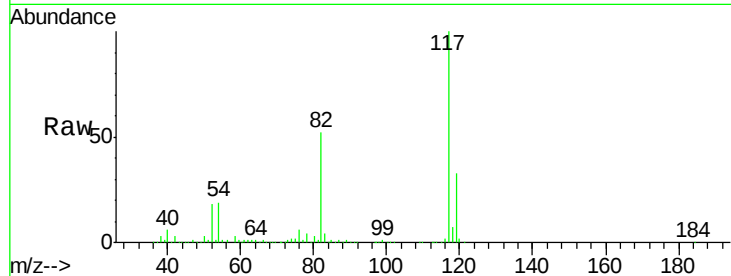
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011394.D
Acq: 08 Aug 2019 17:30

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819

Tot Ion	Ratio	Resp	Lower	Upper
117	100	238150		
82	51.9	42.2	63.2	
119	33.2	26.6	39.8	

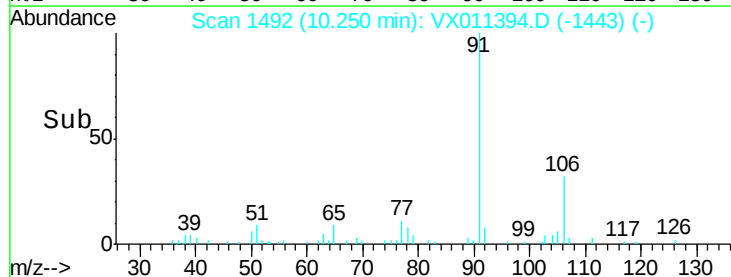
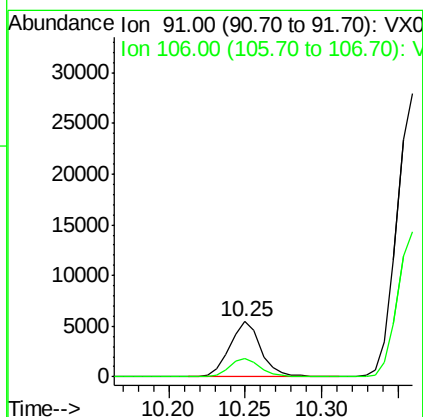
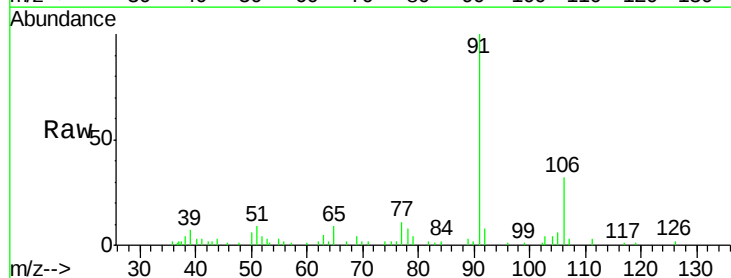
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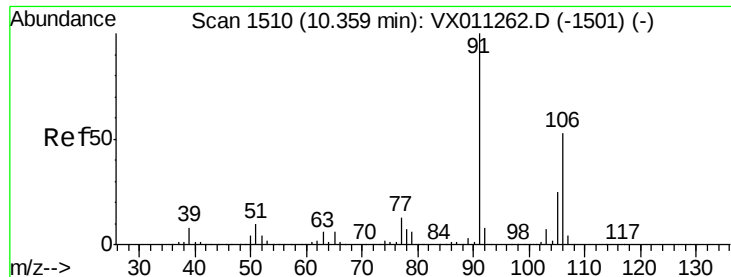
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#67
Ethyl Benzene
Concen: 0.901 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011394.D
Acq: 08 Aug 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	7704		
106	32.4	26.2	39.4	





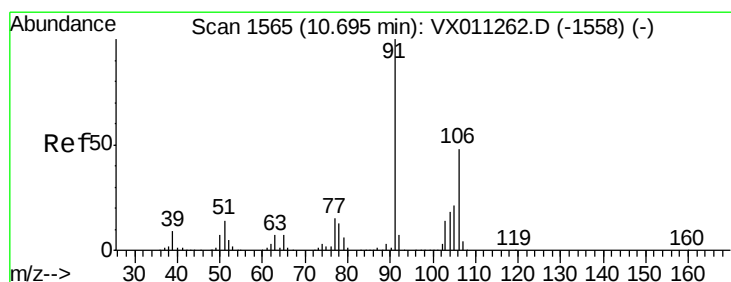
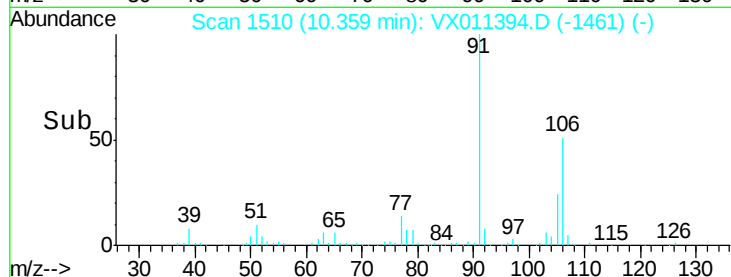
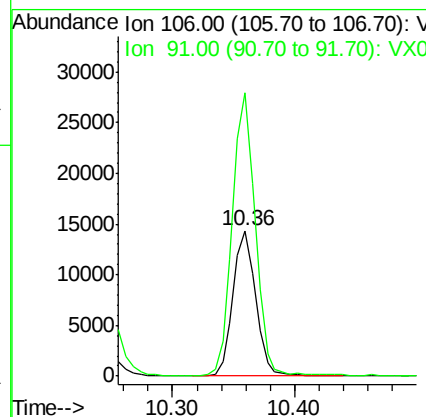
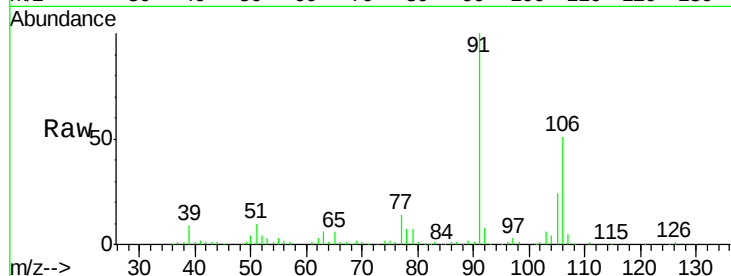
#68
m/p-Xvlenes
Concen: 5.600 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011394.D
Acq: 08 Aug 2019 17:30

Instrument :
MSVOA_X
ClientSampleId :
EP1-MW-K-0819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		18522		
91	195.3	155.9	233.9		

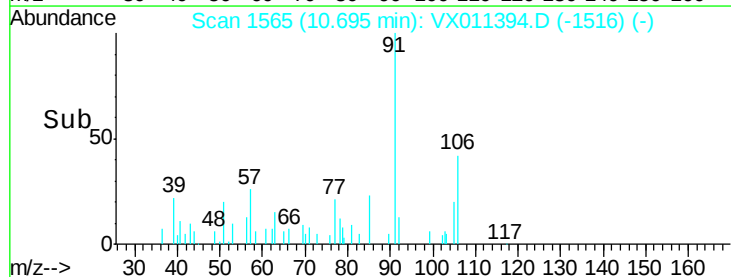
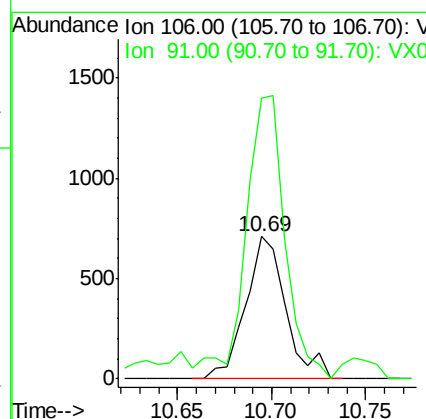
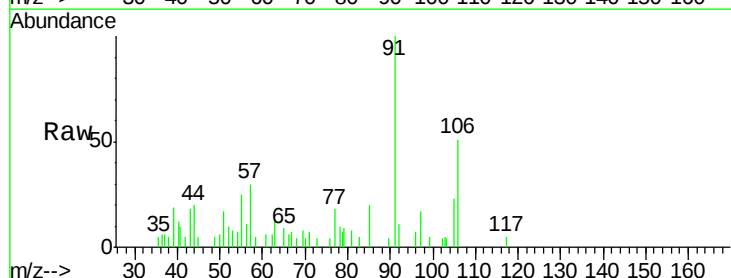
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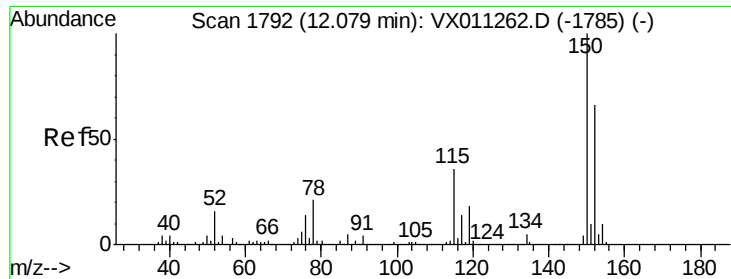
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#69
o-Xylene
Concen: 0.324 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011394.D
Acq: 08 Aug 2019 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		1053		
91	186.6	103.8	311.3		





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011394.D

Acq: 08 Aug 2019 17:30

Instrument :

MSVOA_X

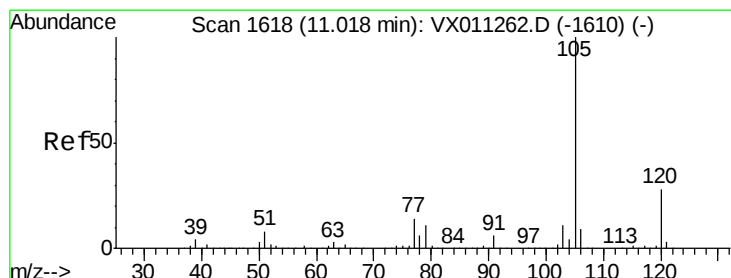
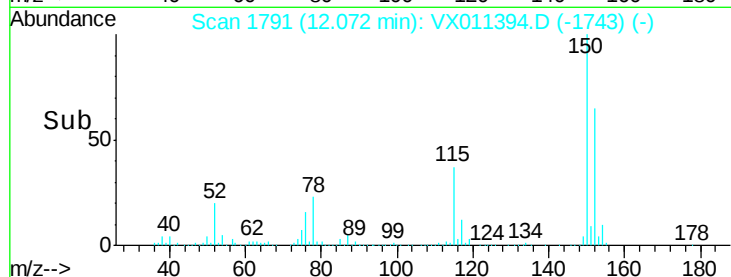
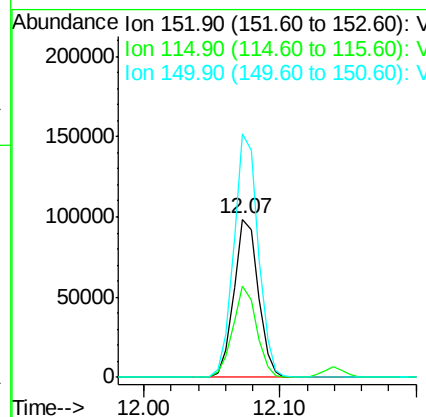
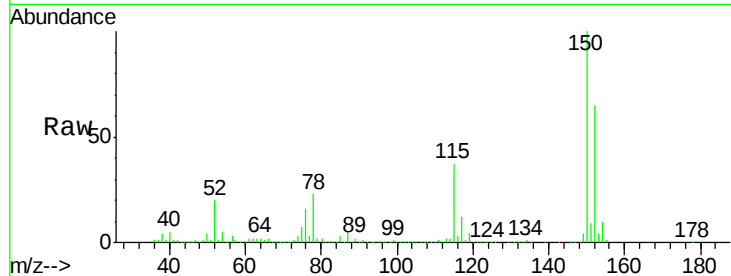
ClientSampleId :

EP1-MW-K-0819

Tot Ion:	152	Resp:	123082
Ion Ratio	Lower	Upper	
152	100		
115	56.2	40.0	119.9
150	153.2	0.0	350.4

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#73

Isopropylbenzene

Concen: 6.290 ug/l

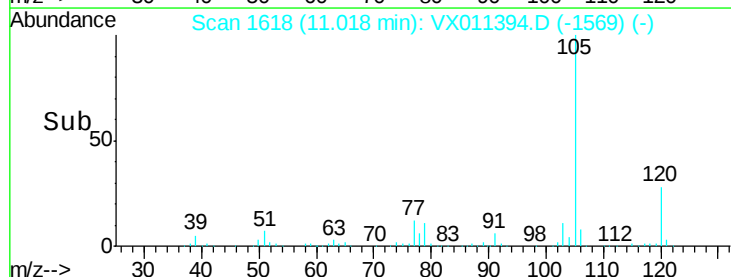
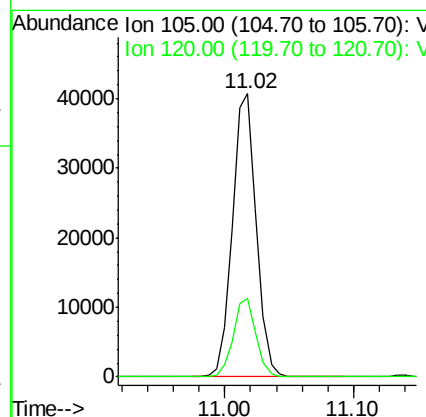
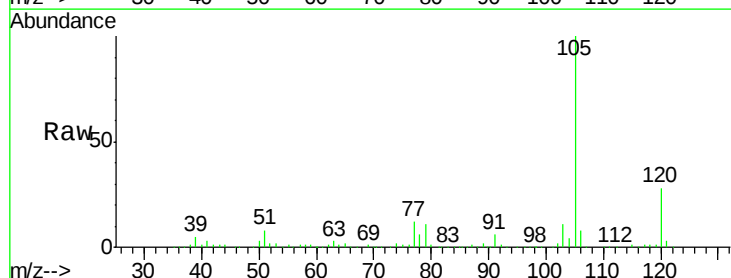
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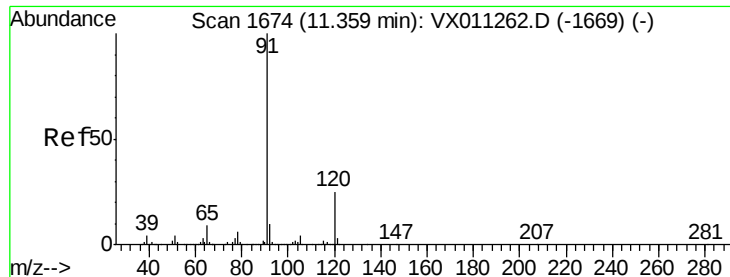
Delta R.T. -0.00 min

Lab File: VX011394.D

Acq: 08 Aug 2019 17:30

Tgt Ion:	105	Resp:	52945
Ion Ratio	Lower	Upper	
105	100		
120	26.3	13.7	41.1





#78

n-propylbenzene

Concen: 12.426 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011394.D

Acq: 08 Aug 2019 17:30

Instrument :

MSVOA_X

ClientSampled :

EP1-MW-K-0819

Tot Ion: 91 Resp: 116323

Ion Ratio Lower Upper

91 100

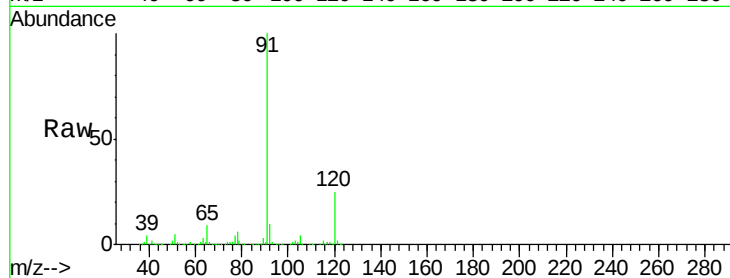
120 24.1 12.4 37.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

100000

80000

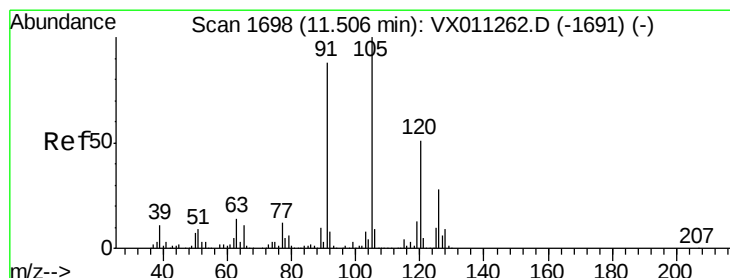
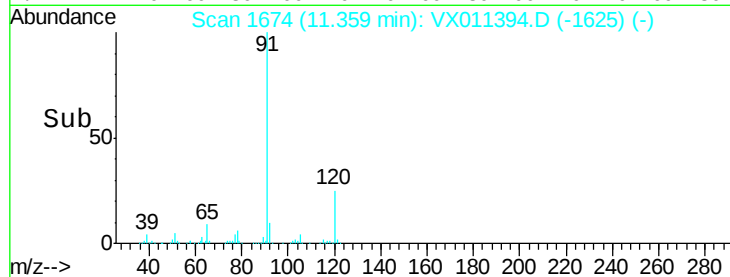
60000

40000

20000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.968 ug/l m

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011394.D

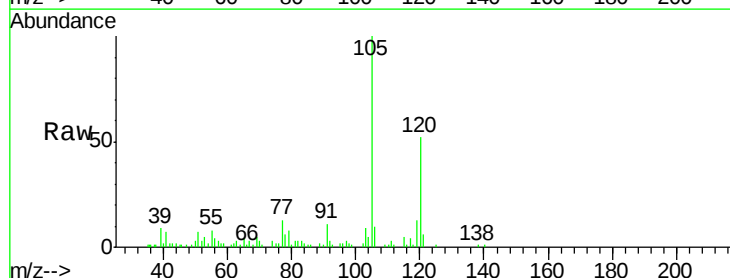
Acq: 08 Aug 2019 17:30

Tgt Ion:105 Resp: 13865

Ion Ratio Lower Upper

105 100

120 210.2 25.1 75.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

80000

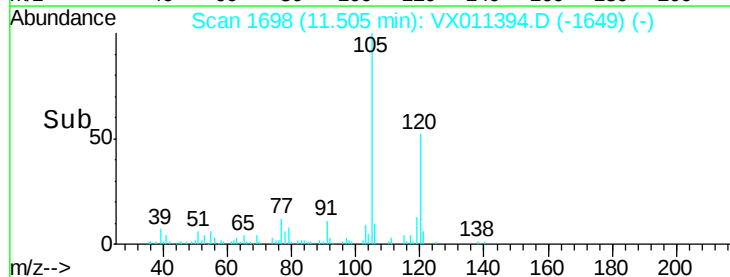
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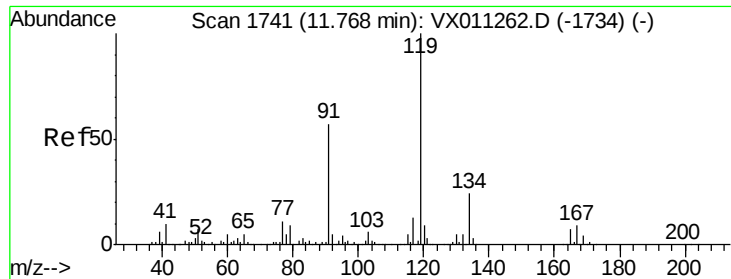
40000

20000

0

Time-->





#83

tert-Butylbenzene

Concen: 0.824 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011394.D

Acq: 08 Aug 2019 17:30

Instrument :

MSVOA_X

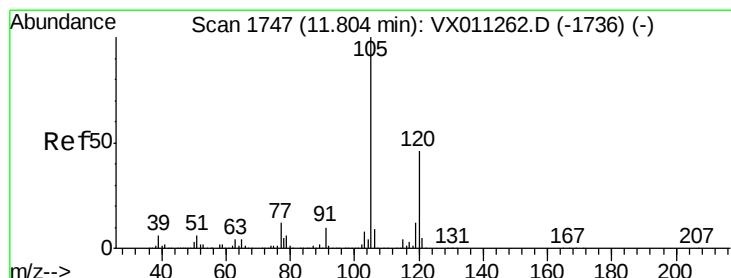
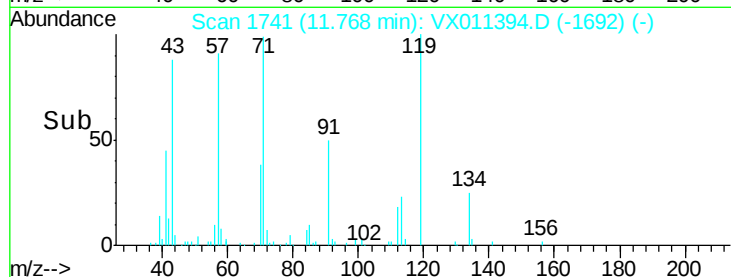
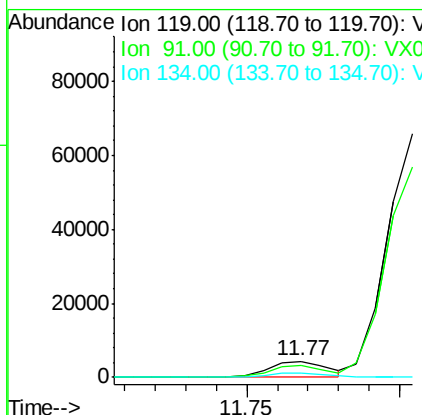
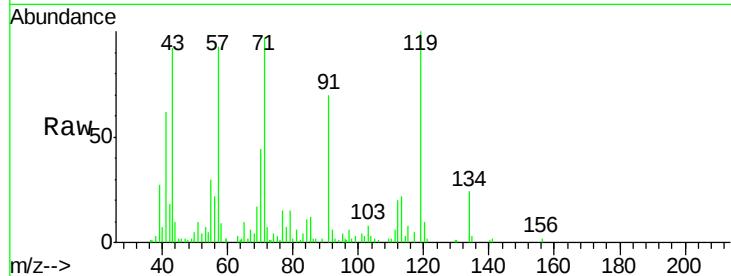
ClientSampled :

EP1-MW-K-0819

Tot Ion:	119	Resp:	5695
Ion Ratio	Lower	Upper	
119	100		
91	72.0	28.0	84.0
134	27.9	11.9	35.5

Manual Integrations
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MMDadoda
8/9/2019 11:06:23 AM



#84

1,2,4-Trimethylbenzene

Concen: 90.196 ug/l

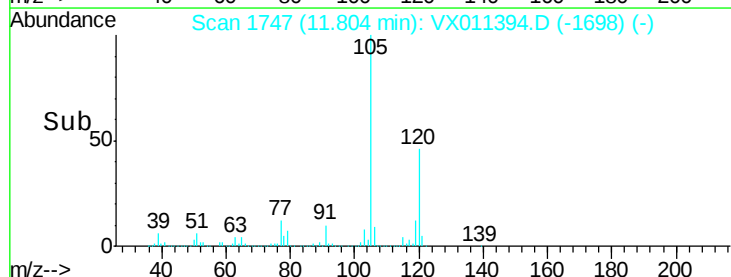
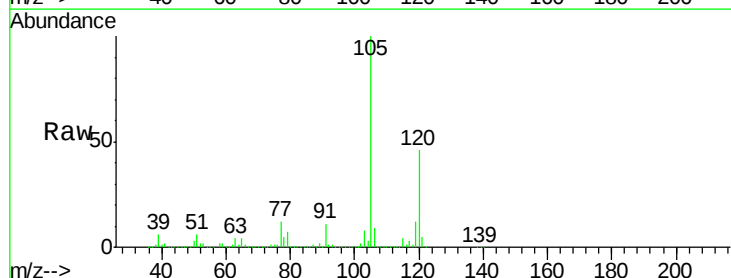
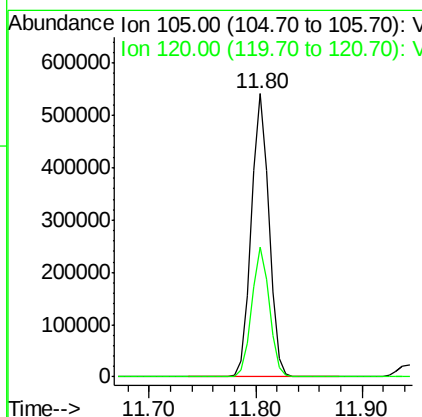
RT: 11.80 min Scan# 1747

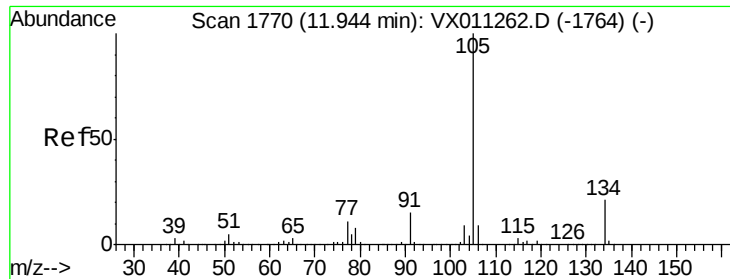
Delta R.T. -0.00 min

Lab File: VX011394.D

Acq: 08 Aug 2019 17:30

Tgt Ion:	105	Resp:	632802
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.0	69.0





#85

sec-Butylbenzene

Concen: 3.498 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011394.D

Acq: 08 Aug 2019 17:30

Instrument :

MSVOA_X

ClientSampleId :

EP1-MW-K-0819

Tot Ion:105 Resp: 29043

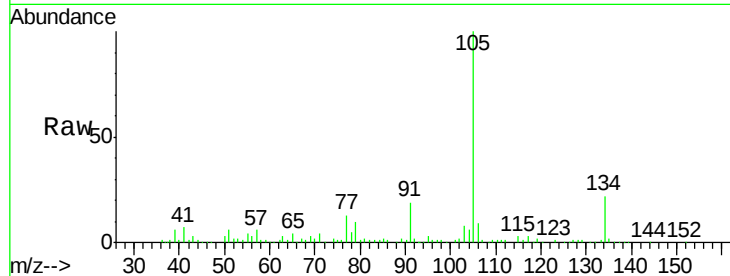
Ion Ratio Lower Upper

105 100

134 32.2 10.4 31.4#

Manual Integrations
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8/9/2019 11:06:23 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

25000

20000

15000

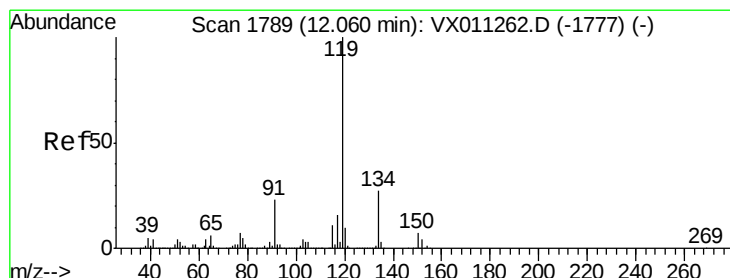
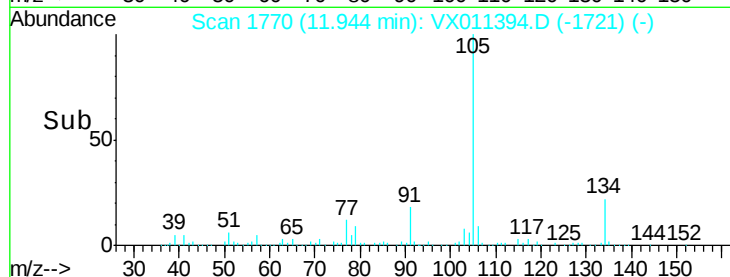
10000

5000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 2.575 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011394.D

Acq: 08 Aug 2019 17:30

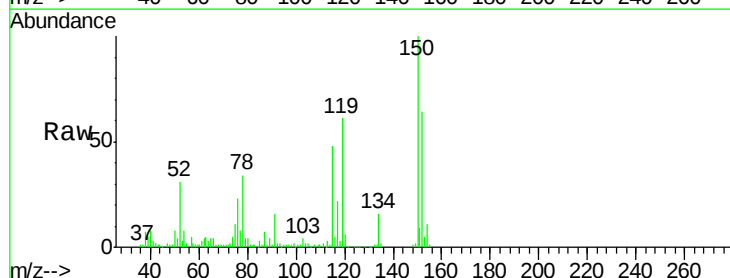
Tgt Ion:119 Resp: 19668

Ion Ratio Lower Upper

119 100

134 26.7 13.7 41.0

91 25.4 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

20000

15000

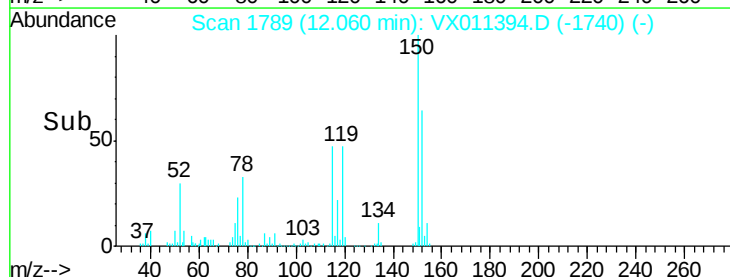
10000

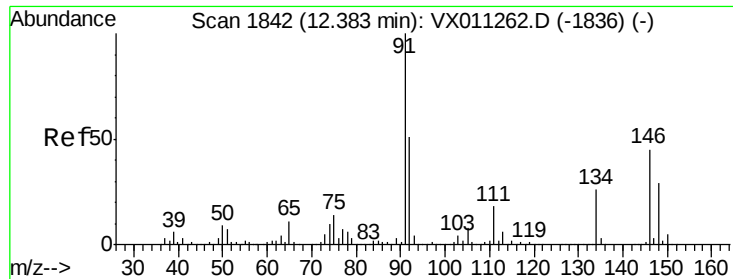
5000

0

Time-->

12.05 12.10





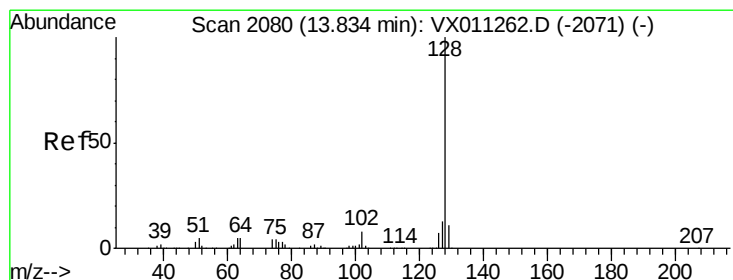
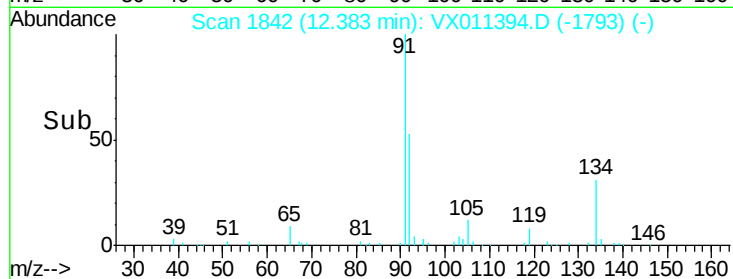
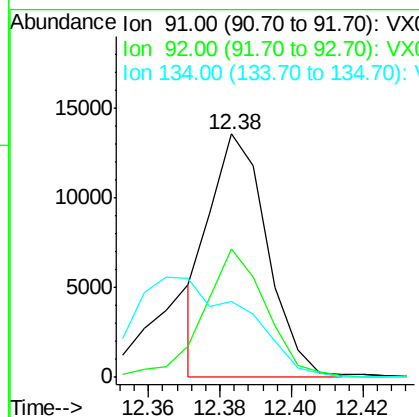
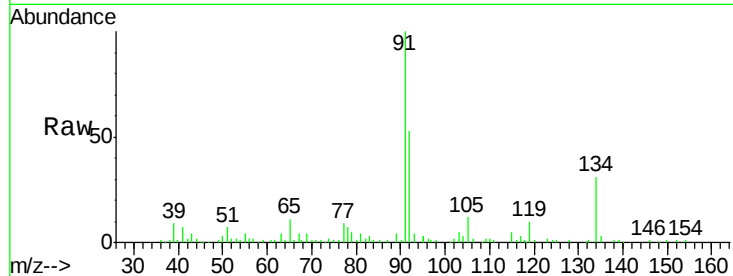
#89
n-Butylbenzene
Concen: 2.299 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011394.D
Acq: 08 Aug 2019 17:30

Instrument :
MSVOA_X
ClientSampled :
EP1-MW-K-0819

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.3	25.8	77.3
134	80.3	13.7	41.0

Manual Integrations
APPROVED

MMDadoda
8/9/2019 11:06:23 AM



#95
Naphthalene
Concen: 0.717 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011394.D
Acq: 08 Aug 2019 17:30

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.4	15.6
129	13.4	8.9	13.3

