

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090718\
 Data File : VX004417.D
 Acq On : 07 Sep 2018 19:39
 Operator : JC/MD
 Sample : J4812-08DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9DL

Manual Integrations
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MMDadoda
 9/10/2018 11:15:30 AM

Quant Time: Sep 08 04:46:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	348135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	545878	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	520123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	309549	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	219389	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	5.50	113	195547	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
50) Toluene-d8	8.71	98	785177	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.14	95	292587	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	661825	104.03	ug/l	98
39) Methylcyclohexane	7.46	83	454597	64.88	ug/l	99
40) Benzene	6.14	78	244348	13.33	ug/l	98
52) Toluene	8.79	92	249381	21.73	ug/l	100
67) Ethyl Benzene	10.26	91	2040542	96.25	ug/l	98
68) m/p-Xylenes	10.36	106	1298269	156.62	ug/l	99
69) o-Xylene	10.70	106	192639	24.57	ug/l	100
73) Isopropylbenzene	11.02	105	241765	11.89	ug/l	99
78) n-propylbenzene	11.36	91	388702	16.62	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	261638	15.54	ug/l	99
83) tert-Butylbenzene	11.77	119	4203m	0.25	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	1150142	66.55	ug/l	98
85) sec-Butylbenzene	11.94	105	27255m	1.36	ug/l	
86) p-Isopropyltoluene	12.07	119	29597	1.64	ug/l	95
89) n-Butylbenzene	12.38	91	42332	2.89	ug/l #	33
95) Naphthalene	13.83	128	1032614	51.13	ug/l	100

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

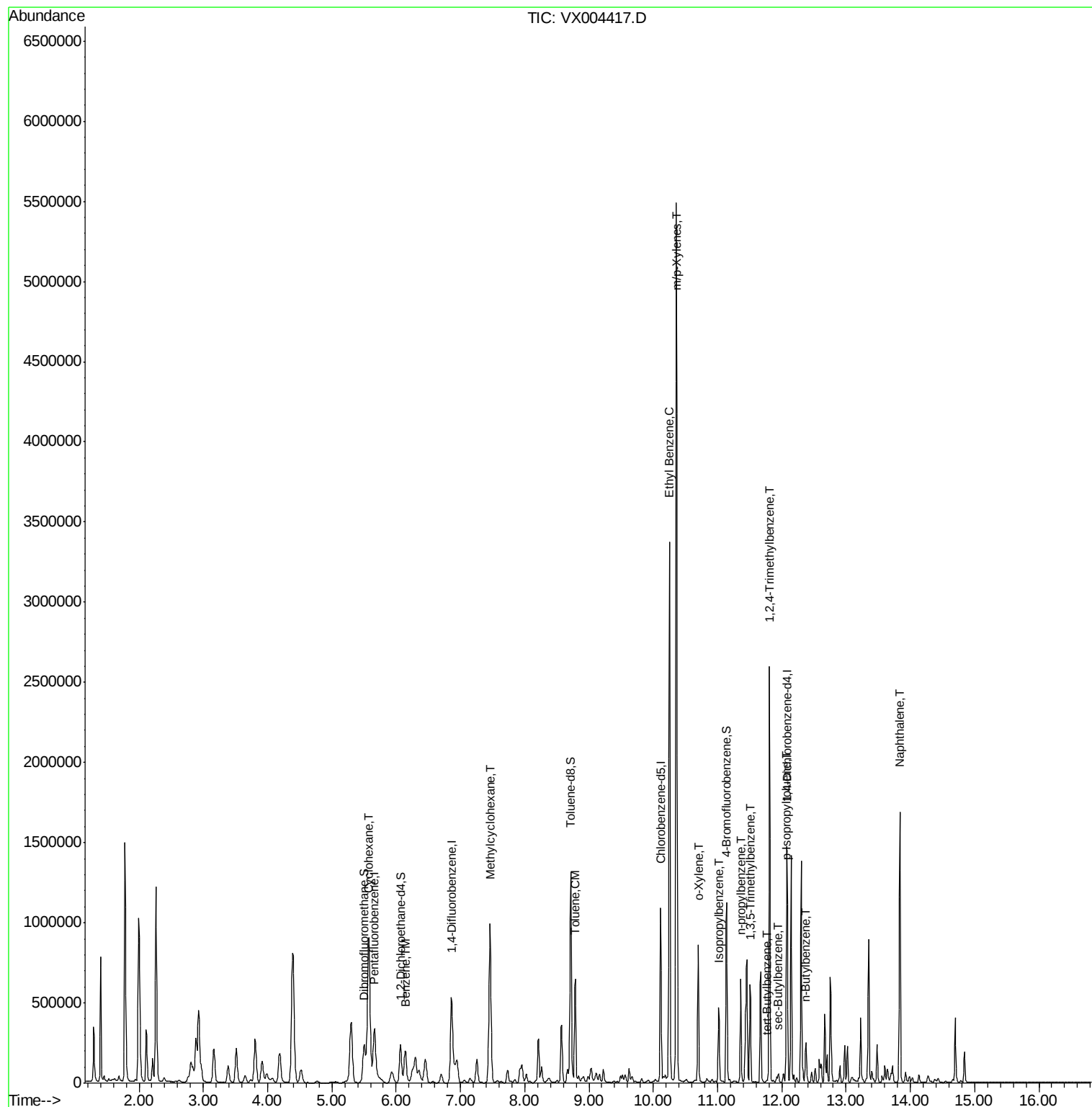
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090718\
Data File : VX004417.D
Acq On : 07 Sep 2018 19:39
Operator : JC/MD
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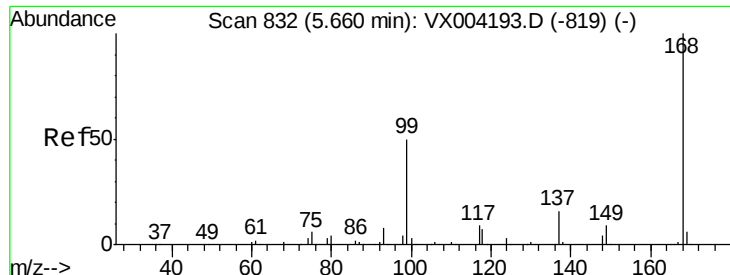
Instrument :
MSVOA_X
ClientSampleId :
MW-9DL

Manual Integrations
APPROVED

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Quant Time: Sep 08 04:46:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





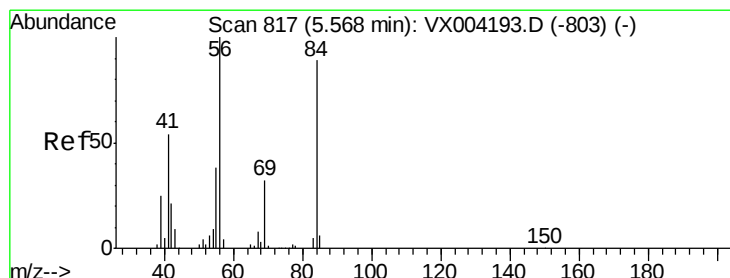
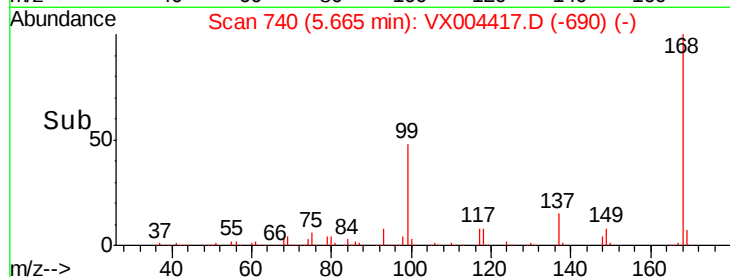
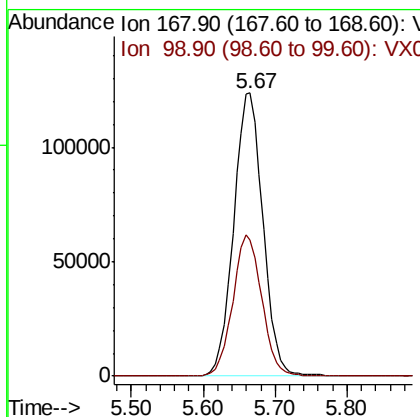
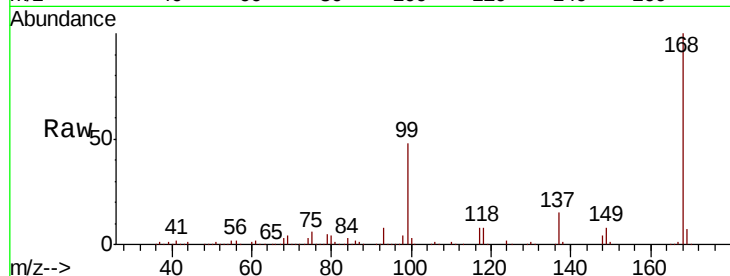
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampled :
MW-9DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	348135		
99	48.3	39.9	59.9	

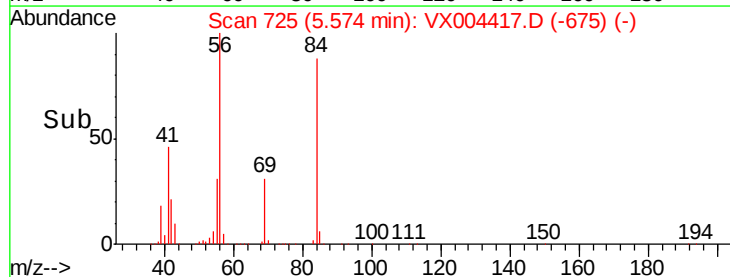
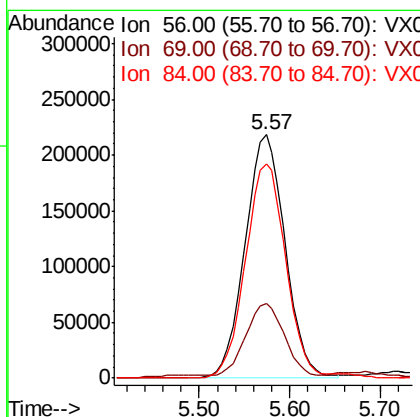
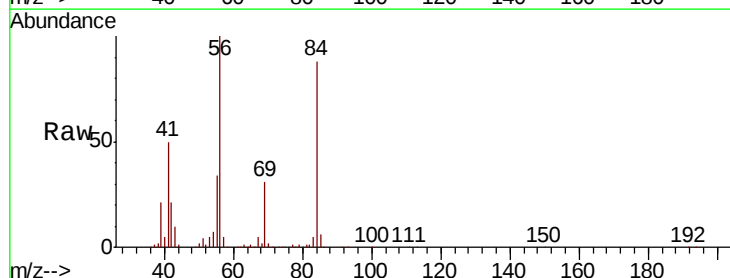
Manual Integrations
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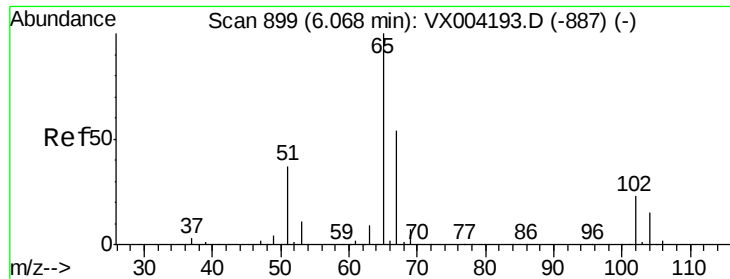
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#31
Cyclohexane
Concen: 104.03 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	661825		
69	29.6	25.4	38.2	
84	88.0	71.4	107.2	





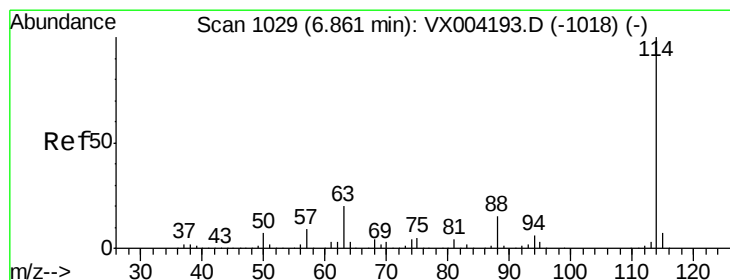
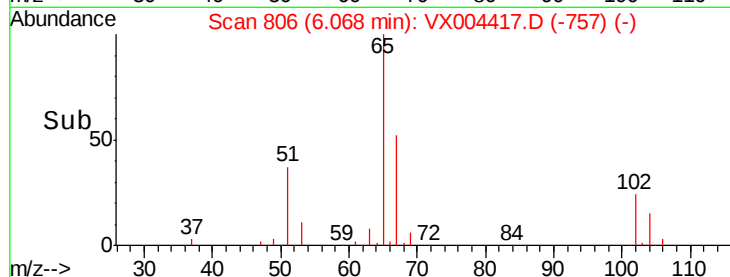
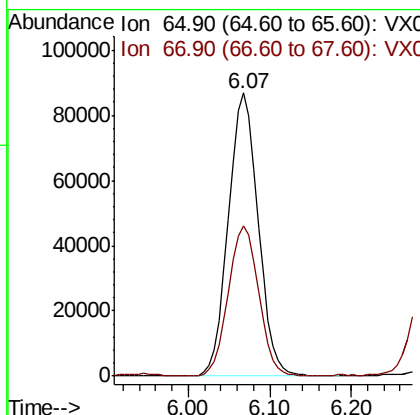
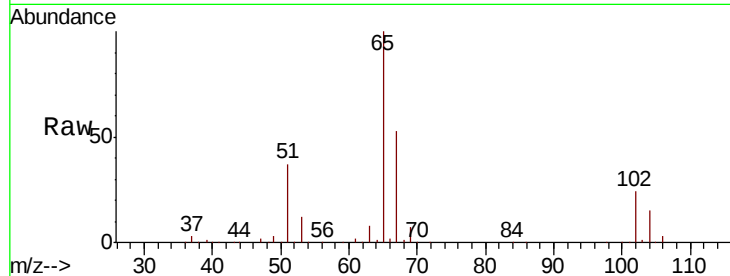
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 1,2-Dichloroethane-d4
 Concen: 48.35 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004417.D
 Acq: 07 Sep 2018 19:39

Instrument :
 MSVOA_X
 ClientSampled :
 MW-9DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219389		
67	53.8	0.0	106.8	

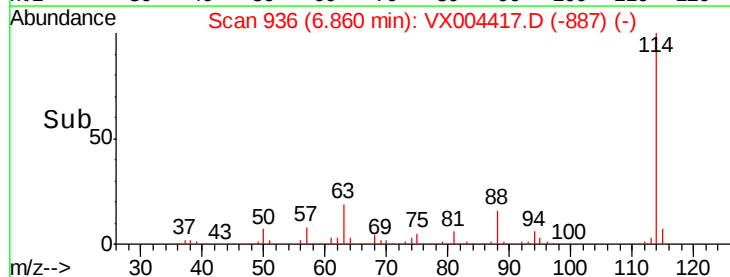
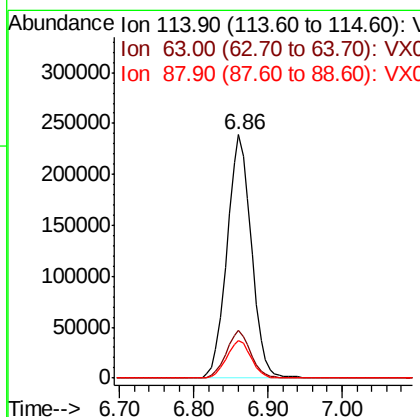
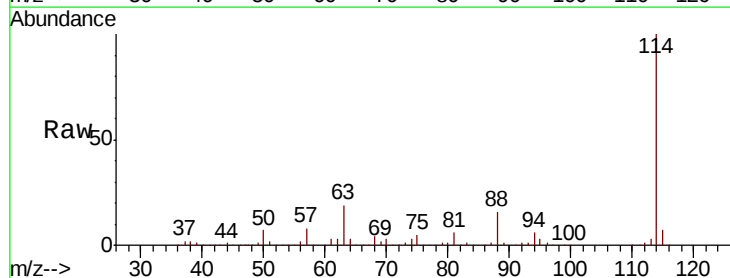
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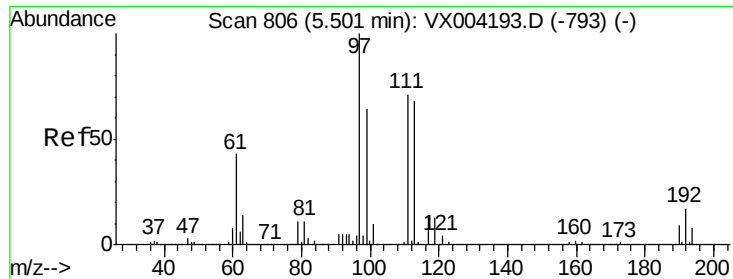
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004417.D
 Acq: 07 Sep 2018 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	545878		
63	19.4	0.0	39.0	
88	15.6	0.0	30.4	





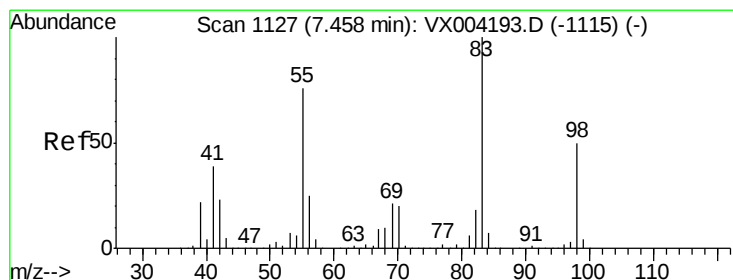
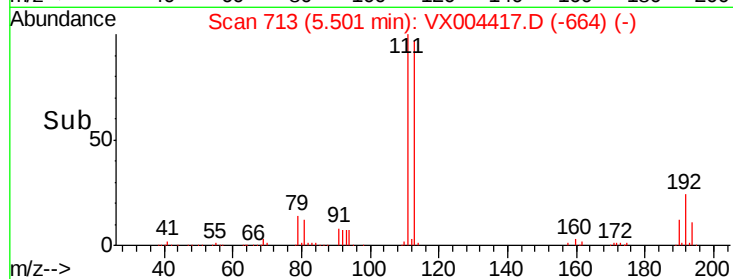
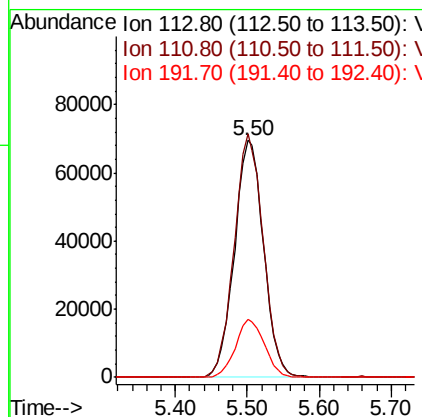
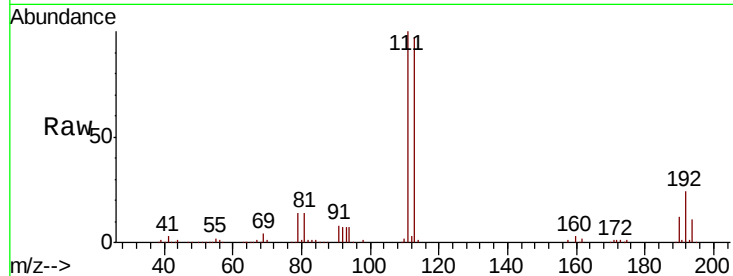
#35
Dibromofluoromethane
Concen: 48.15 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MW-9DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195547		
111	102.2	82.4	123.6	
192	24.2	19.4	29.2	

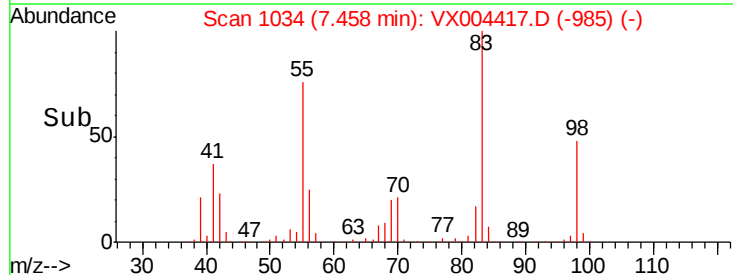
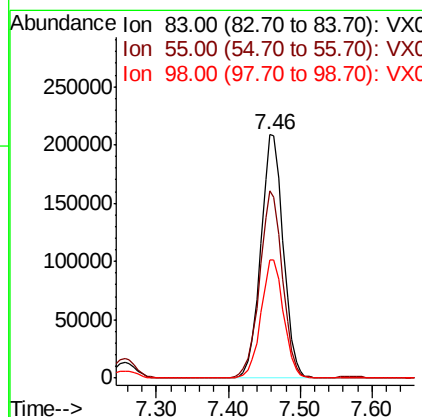
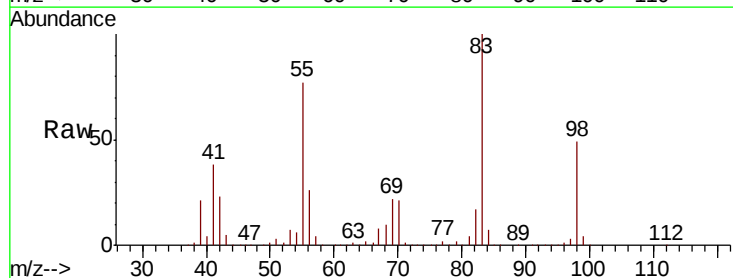
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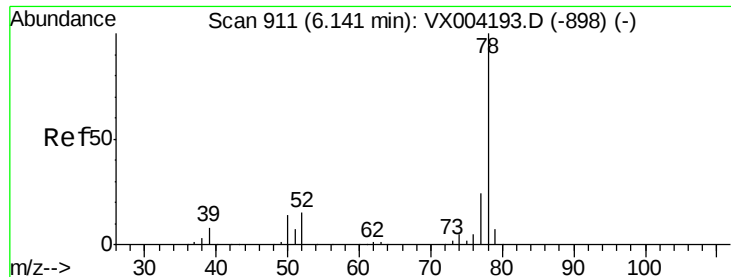
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#39
Methylcyclohexane
Concen: 64.88 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	454597		
55	76.7	61.0	91.4	
98	48.6	39.6	59.4	





#40

Benzene

Concen: 13.33 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX004417.D

Acq: 07 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampled :

MW-9DL

Tot Ion: 78 Resp: 244348

Ion Ratio Lower Upper

78 100

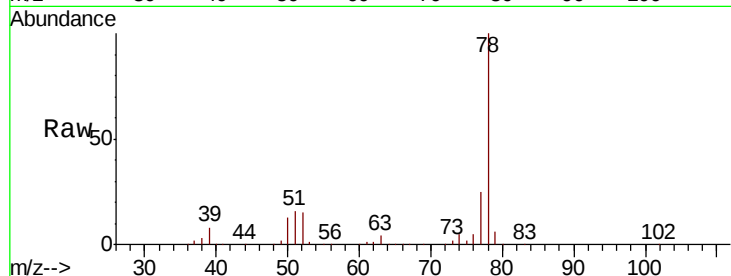
77 24.7 19.0 28.4

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

100000

80000

60000

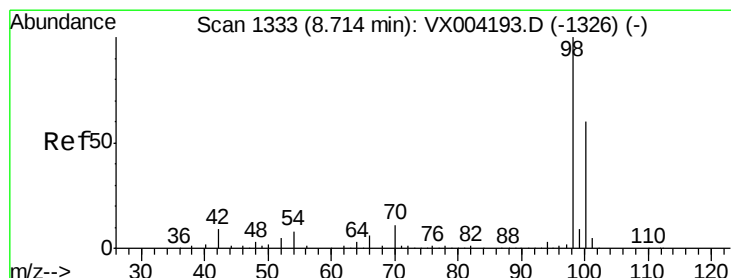
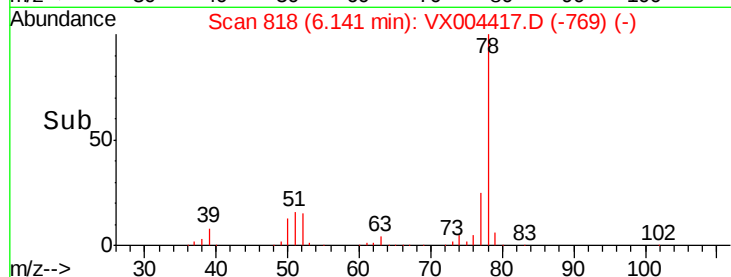
40000

20000

0

6.00 6.10 6.20

Time-->



#50

Toluene-d8

Concen: 51.22 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004417.D

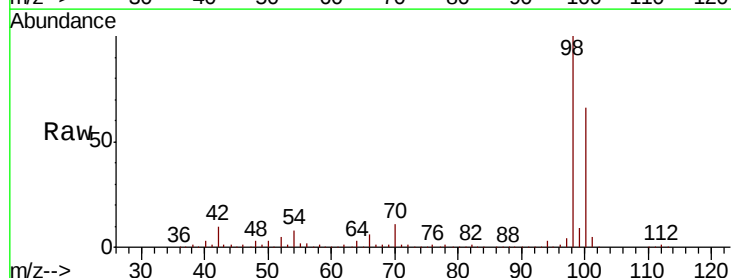
Acq: 07 Sep 2018 19:39

Tgt Ion: 98 Resp: 785177

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

500000

400000

300000

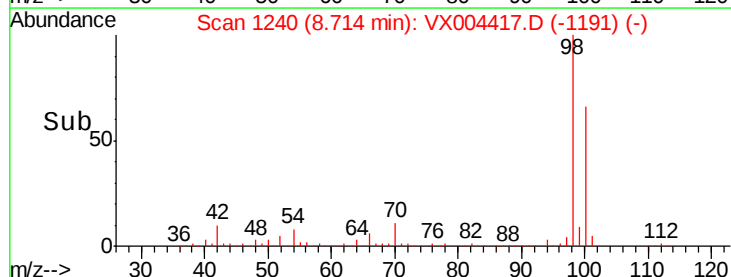
200000

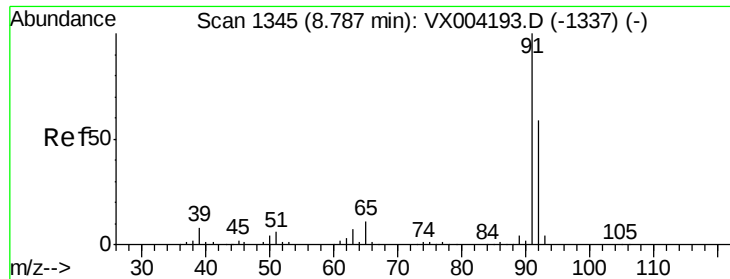
100000

0

8.60 8.70 8.80

Time-->





#52

Toluene

Concen: 21.73 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004417.D

Acq: 07 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

MW-9DL

Tot Ion: 92 Resp: 249381

Ion Ratio Lower Upper

92 100

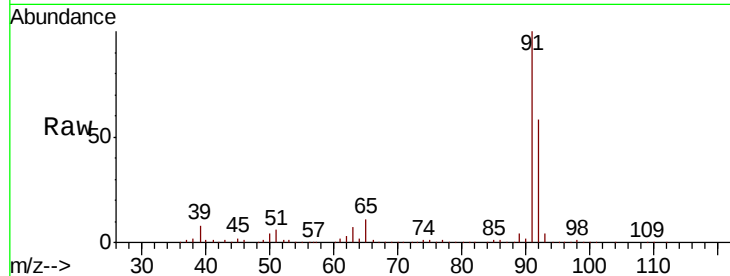
91 170.2 136.4 204.6

Manual Integrations

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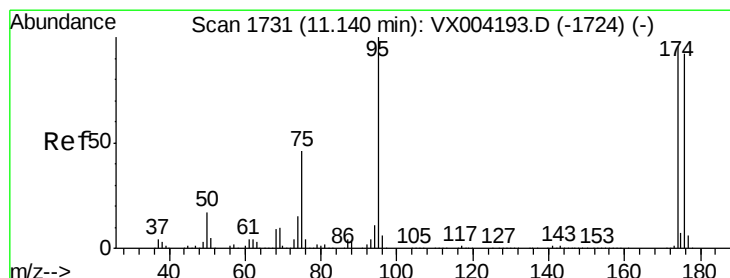
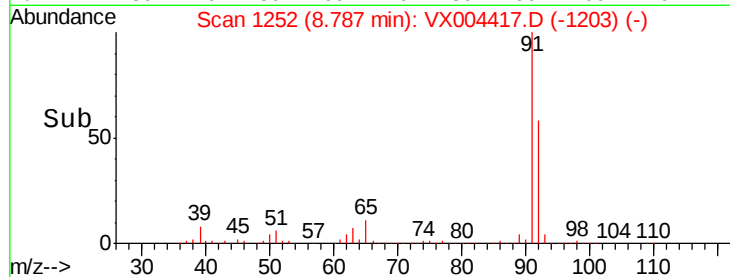
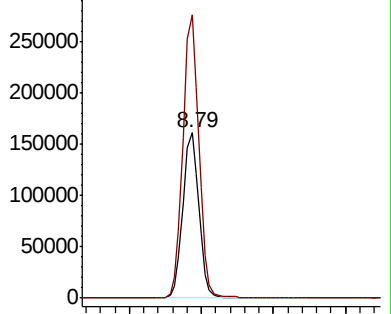
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 51.16 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004417.D

Acq: 07 Sep 2018 19:39

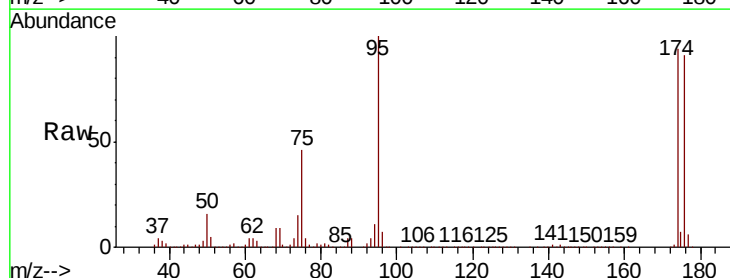
Tgt Ion: 95 Resp: 292587

Ion Ratio Lower Upper

95 100

174 91.7 0.0 185.2

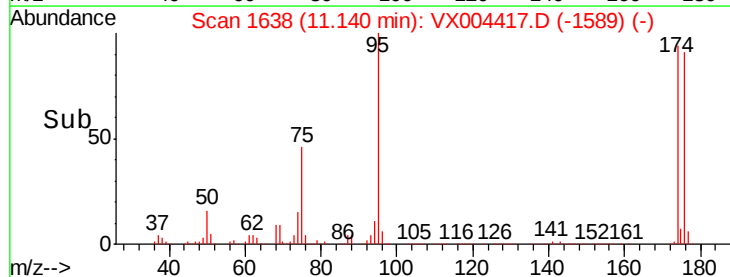
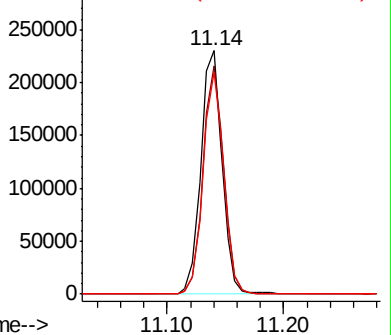
176 88.7 0.0 178.6

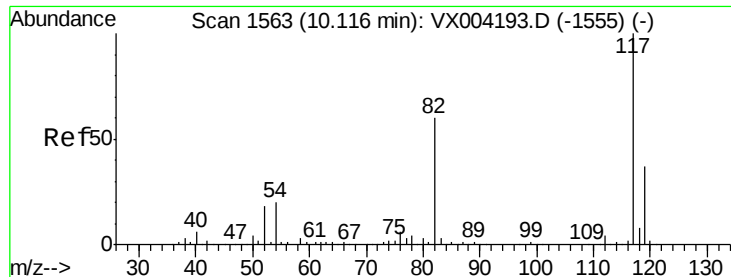


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





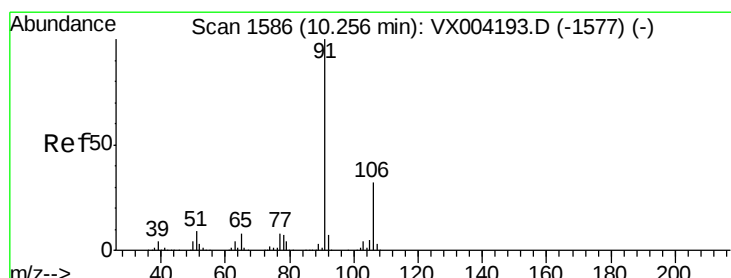
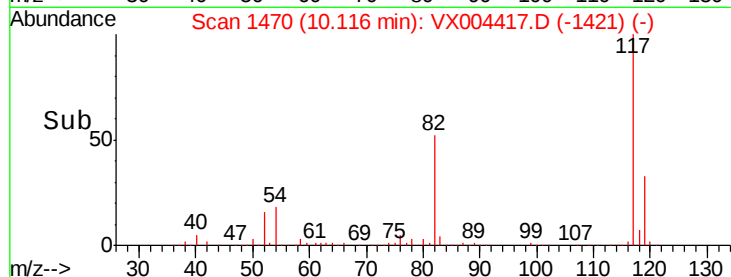
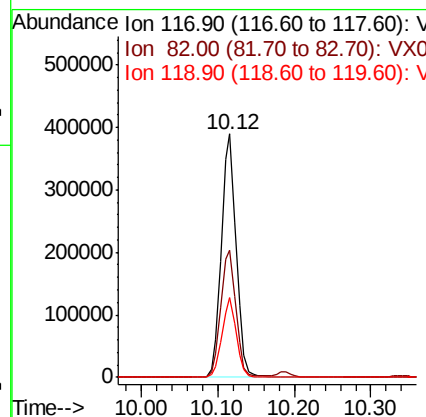
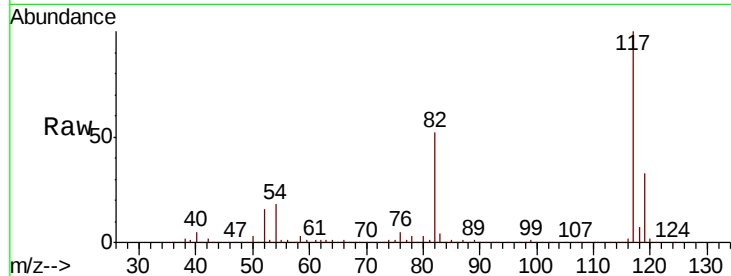
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
MW-9DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	47.8	71.6
119	32.6	29.3	43.9

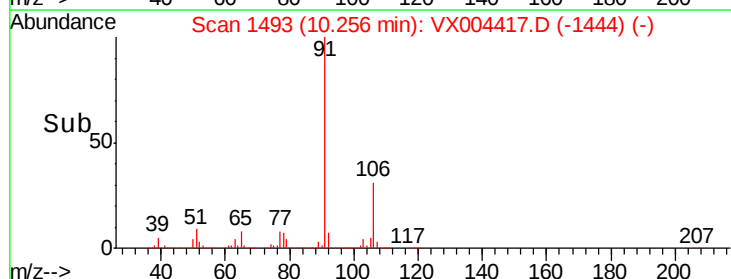
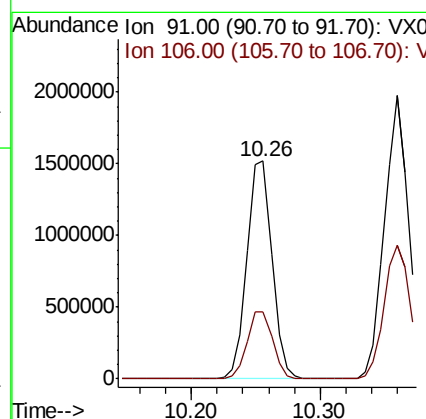
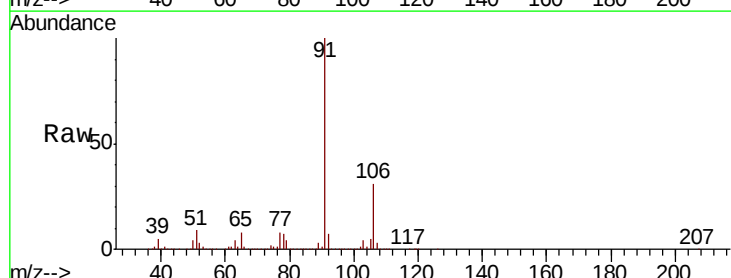
Manual Integrations
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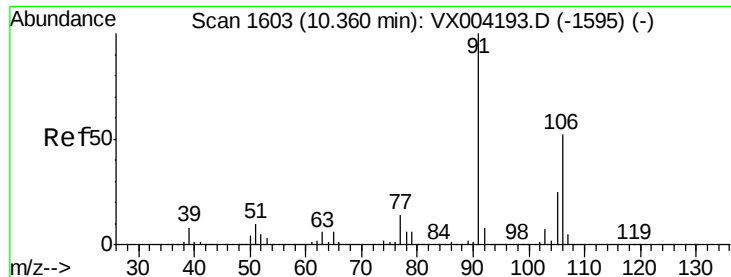
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9/10/2018 11:15:30 AM



#67
Ethyl Benzene
Concen: 96.25 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.9	38.9





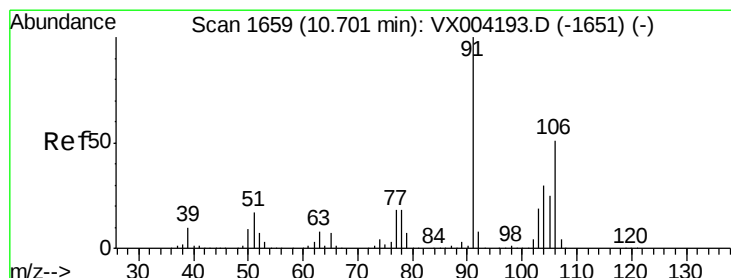
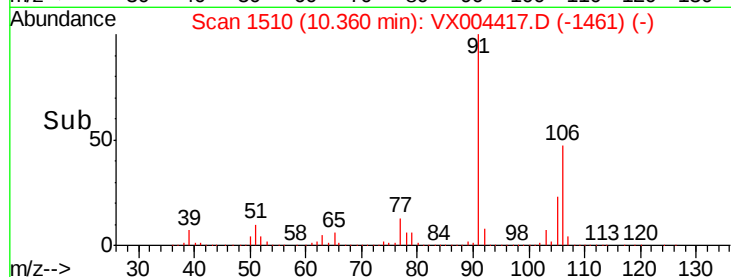
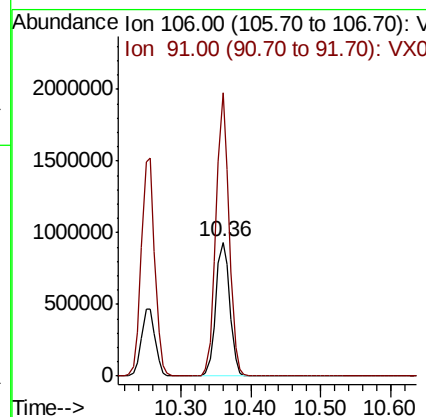
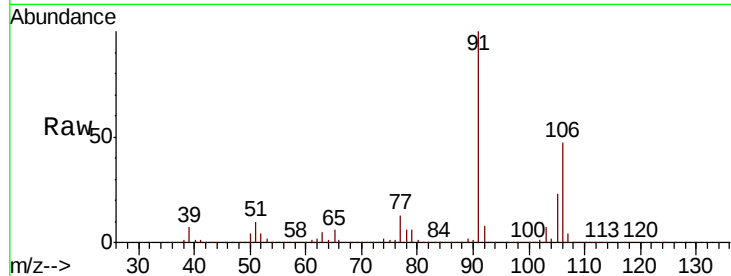
#68
m/p-Xvlenes
Concen: 156.62 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampled :
MW-9DL

Tot Ion:106 Resp: 1298269
Ion Ratio Lower Upper
106 100
91 197.3 157.1 235.7

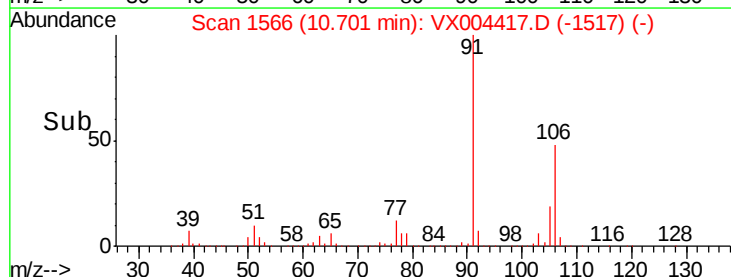
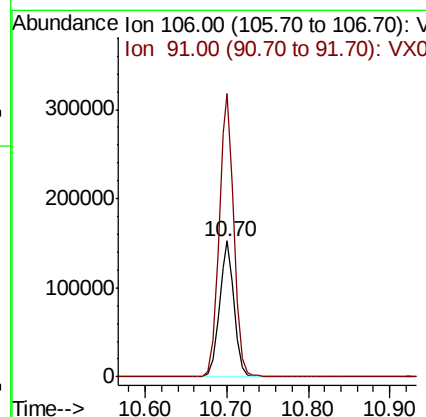
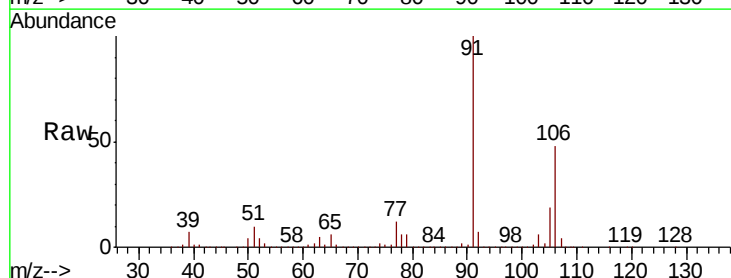
Manual Integrations
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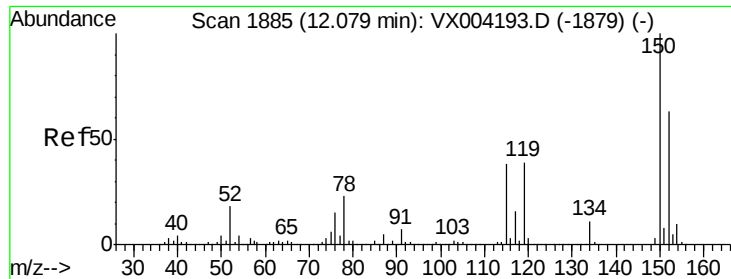
MMDadoda
9/10/2018 11:15:30 AM



#69
o-Xylene
Concen: 24.57 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Tgt Ion:106 Resp: 192639
Ion Ratio Lower Upper
106 100
91 210.0 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004417.D

Acq: 07 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampled :

MW-9DL

Tot Ion:152 Resp: 309549

Ion Ratio Lower Upper

152 100

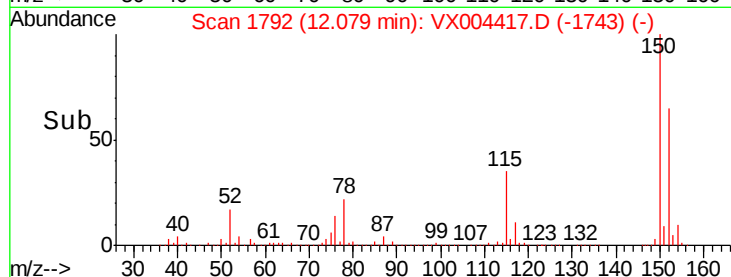
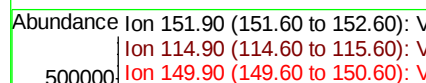
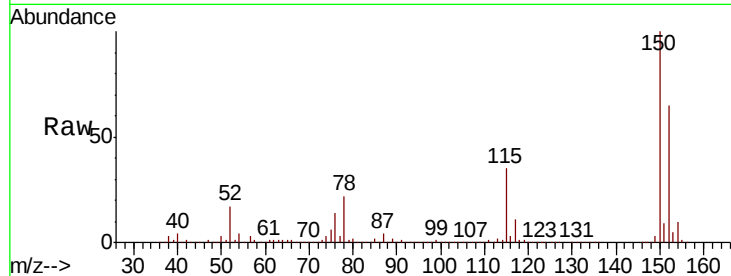
115 54.3 39.0 117.0

150 156.5 0.0 351.0

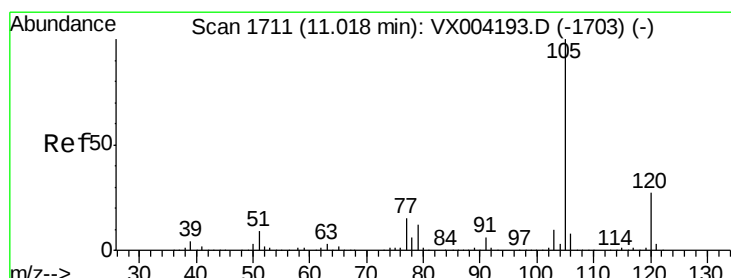
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Time-->



#73

Isopropylbenzene

Concen: 11.89 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004417.D

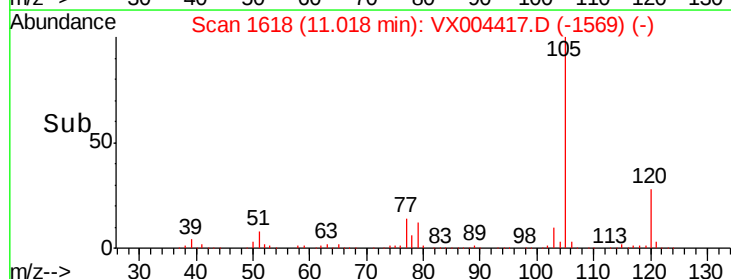
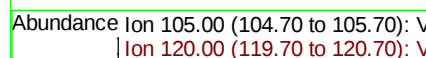
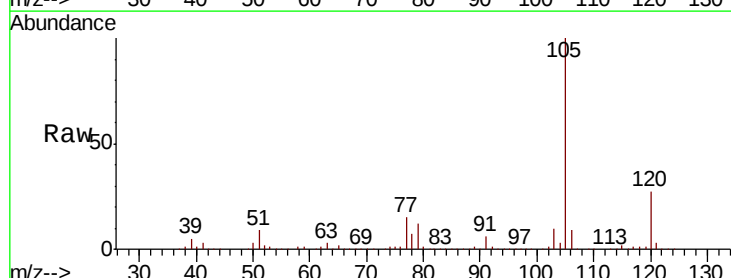
Acq: 07 Sep 2018 19:39

Tgt Ion:105 Resp: 241765

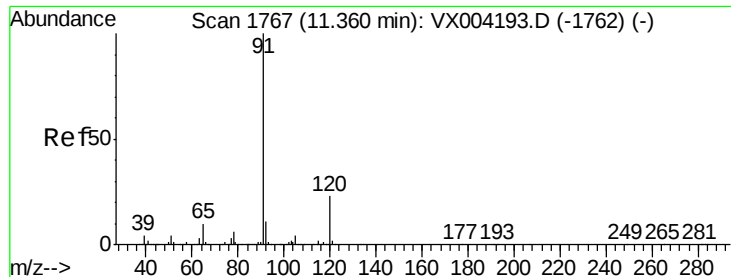
Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4



Time-->



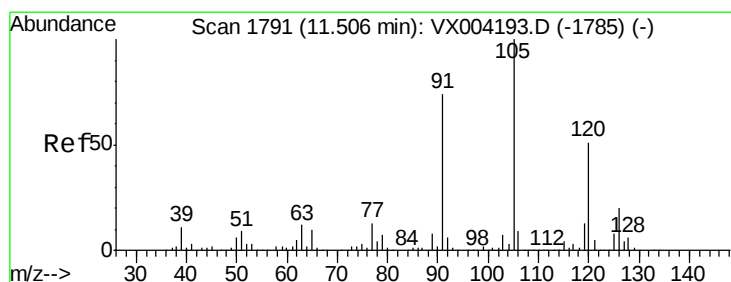
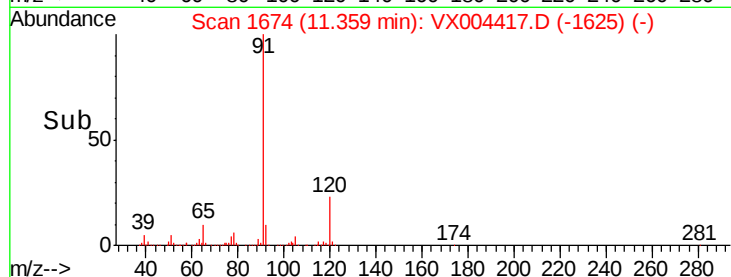
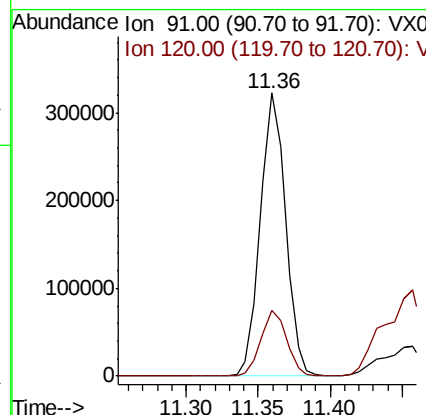
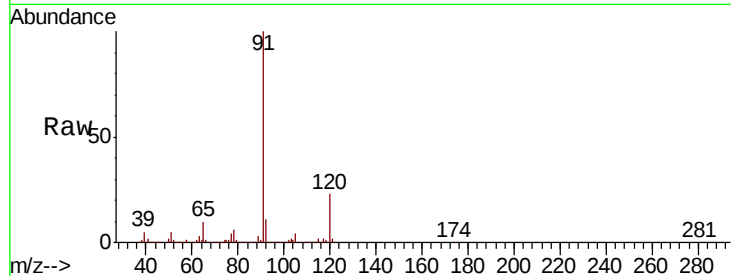
#78
n-propylbenzene
Concen: 16.62 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampled :
MW-9DL

Tot Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.9

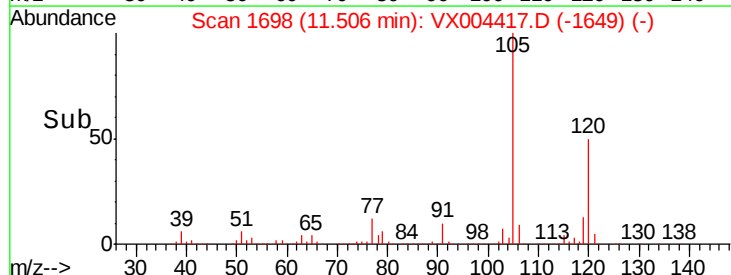
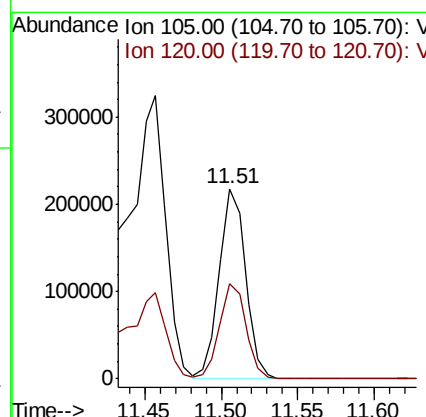
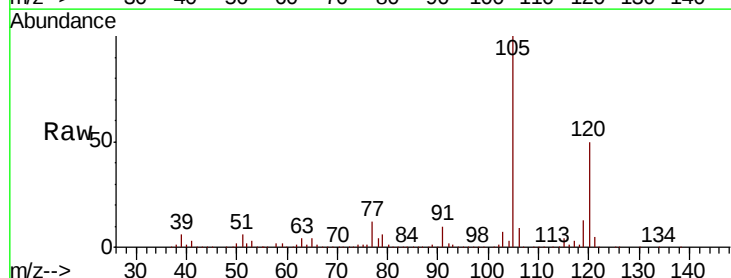
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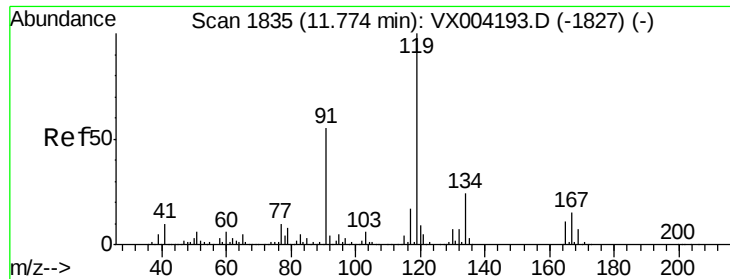
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#80
1,3,5-Trimethylbenzene
Concen: 15.54 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.7	25.6	76.8





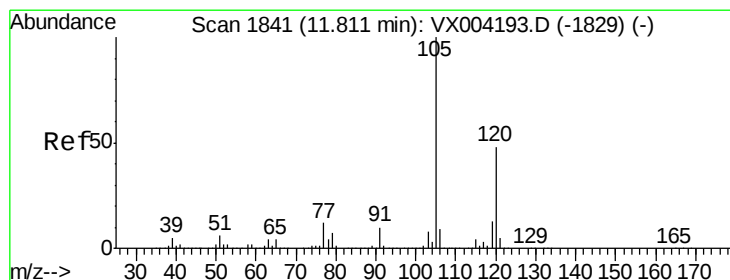
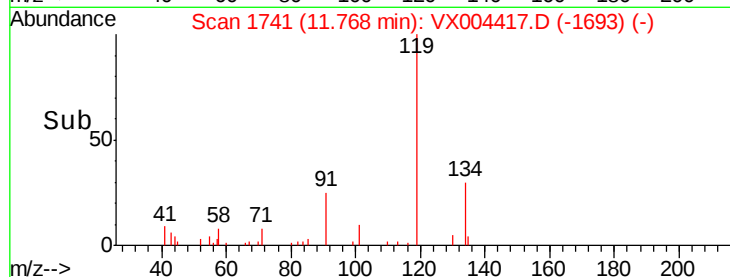
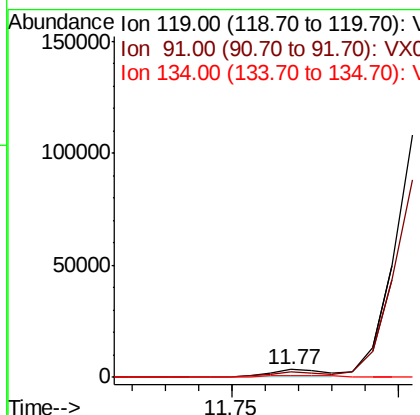
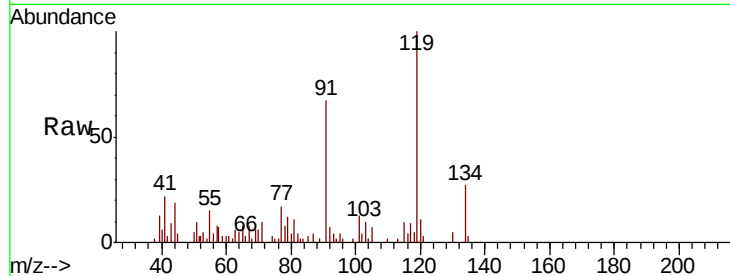
#83
 tert-Butylbenzene
 Concen: 0.25 ug/l m
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX004417.D
 Acq: 07 Sep 2018 19:39

Instrument :
 MSVOA_X
 ClientSampled :
 MW-9DL

Tot Ion:119 Resp: 4203
 Ion Ratio Lower Upper
 119 100
 91 2780.1 27.0 81.0
 134 10.8 11.7 35.1#

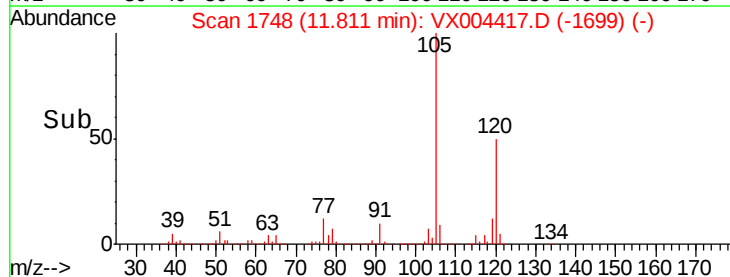
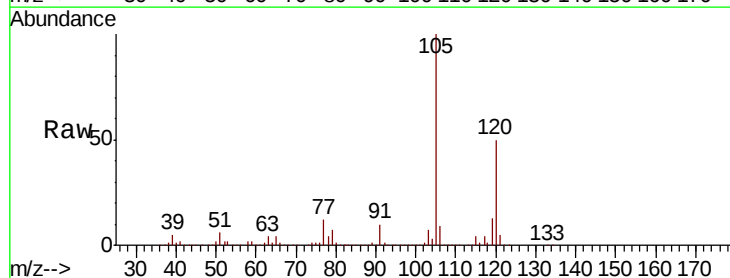
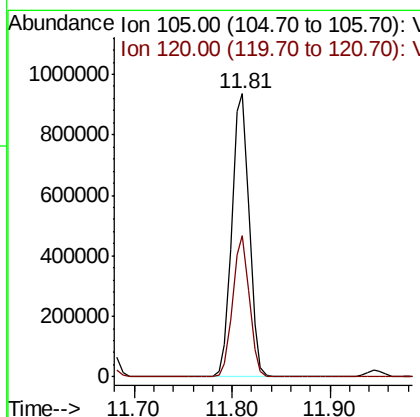
Manual Integrations
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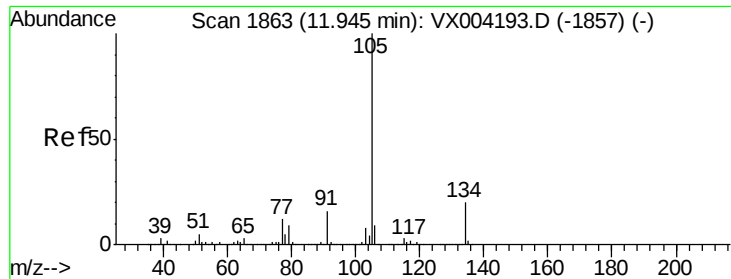
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#84
 1,2,4-Trimethylbenzene
 Concen: 66.55 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004417.D
 Acq: 07 Sep 2018 19:39

Tgt Ion:105 Resp: 1150142
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.2 69.6





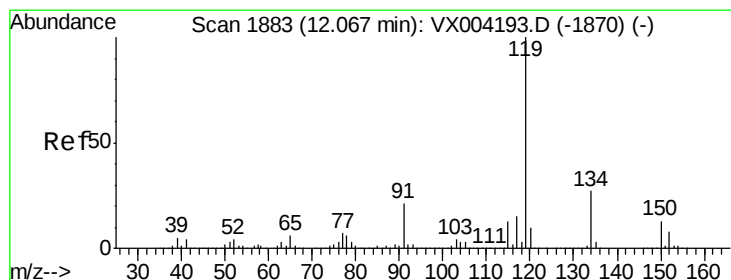
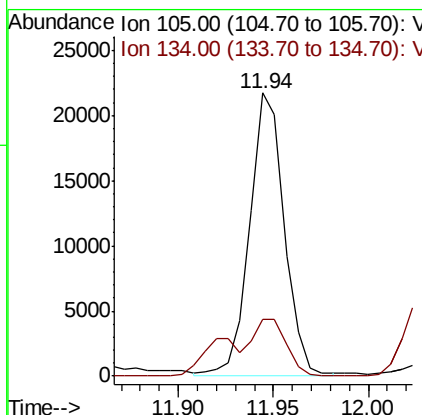
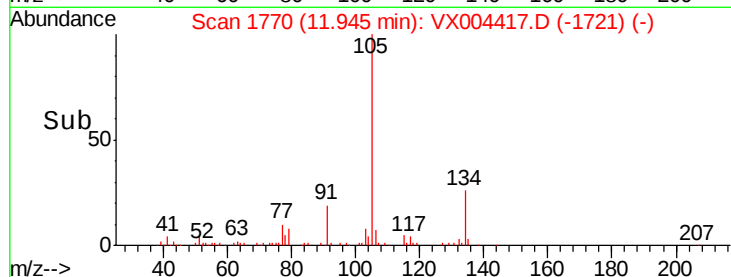
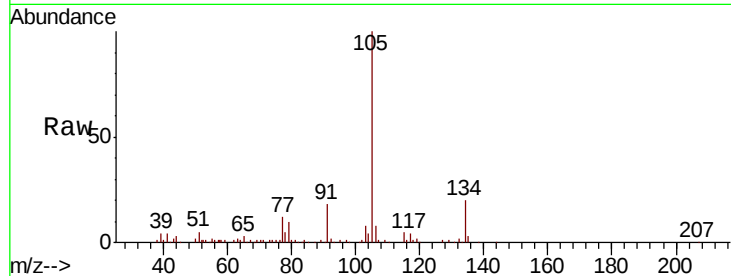
#85
 sec-Butylbenzene
 Concen: 1.36 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX004417.D
 Acq: 07 Sep 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleID :
 MW-9DL

Tot Ion	Ratio	Lower	Upper
105	100		
134	1.7	10.5	31.5#

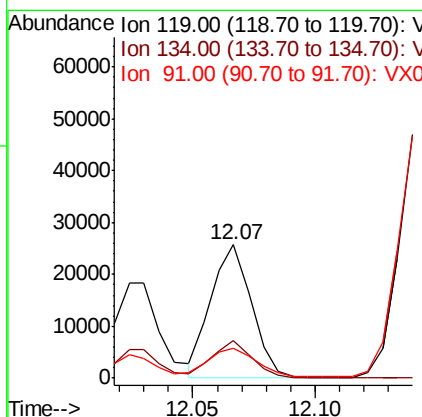
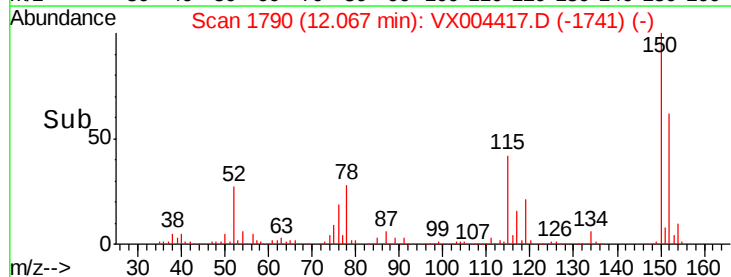
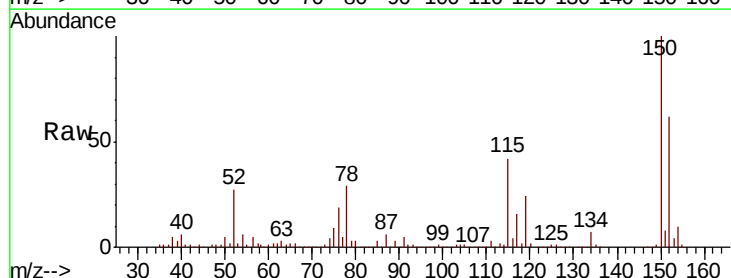
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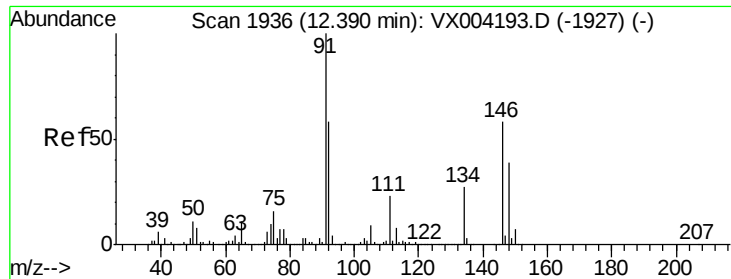
MMDadoda
 9/10/2018 11:15:30 AM



#86
 p-Isopropyltoluene
 Concen: 1.64 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004417.D
 Acq: 07 Sep 2018 19:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.4	40.2
91	26.1	10.9	32.7





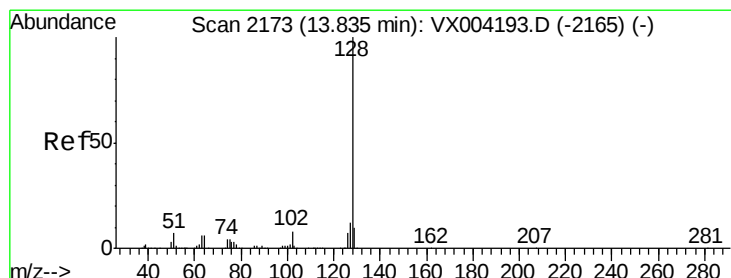
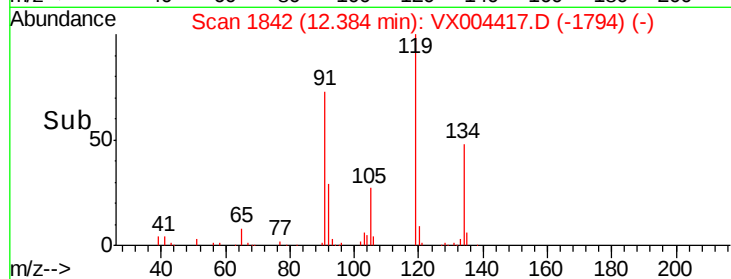
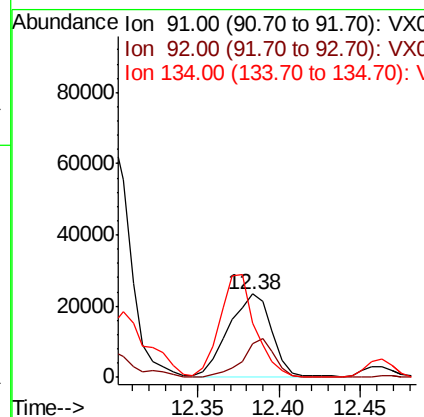
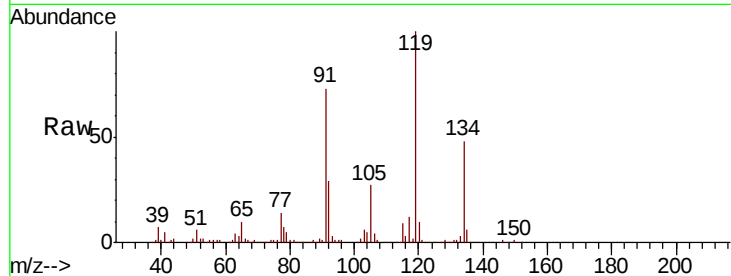
#89
n-Butylbenzene
Concen: 2.89 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampled :
MW-9DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	34.0	27.3	81.9
134	102.3	13.6	40.7

Manual Integrations
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#95
Naphthalene
Concen: 51.13 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004417.D
Acq: 07 Sep 2018 19:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.6	8.6	12.8

