

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
 Data File : VX016915.D
 Acq On : 20 Jun 2020 07:47
 Operator : JC/SP
 Sample : L3066-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Manual Integrations
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 6/22/2020 12:21:52 PM

Quant Time: Jul 03 06:21:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	308853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	539766	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	518152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	287136	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	179582	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	5.46	113	152670	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
50) Toluene-d8	8.70	98	661230	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	11.12	95	289185	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	41303	65.775	ug/l	97
16) Acetone	2.42	43	6367	4.722	ug/l	96
17) Carbon Disulfide	2.55	76	2829	0.332	ug/l	97
30) Chloroform	5.18	83	6816	1.236	ug/l	90
39) Methylcyclohexane	7.45	83	10750	1.855	ug/l	94
40) Benzene	6.12	78	6319	0.423	ug/l	100
44) Trichloroethene	7.19	130	2619	0.572	ug/l	83
64) Tetrachloroethene	9.32	164	1919	0.400	ug/l	92
67) Ethyl Benzene	10.24	91	850894	48.064	ug/l	100
68) m/p-Xylenes	10.34	106	76232	11.066	ug/l	99
69) o-Xylene	10.68	106	67598	10.612	ug/l	98
73) Isopropylbenzene	11.00	105	1851819	100.167	ug/l	99
78) n-propylbenzene	11.34	91	3181236	154.187	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	592164	37.124	ug/l	100
83) tert-Butylbenzene	11.76	119	191701	12.147	ug/l	90
84) 1,2,4-Trimethylbenzene	11.79	105	10334971	628.987	ug/l	91
85) sec-Butylbenzene	11.93	105	815185	44.474	ug/l	79
86) p-Isopropyltoluene	12.05	119	83895m	4.996	ug/l	
88) 1,4-Dichlorobenzene	12.09	146	3875	0.416	ug/l #	65
89) n-Butylbenzene	12.37	91	302649m	21.016	ug/l	
95) Naphthalene	13.82	128	323729	18.466	ug/l	99

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

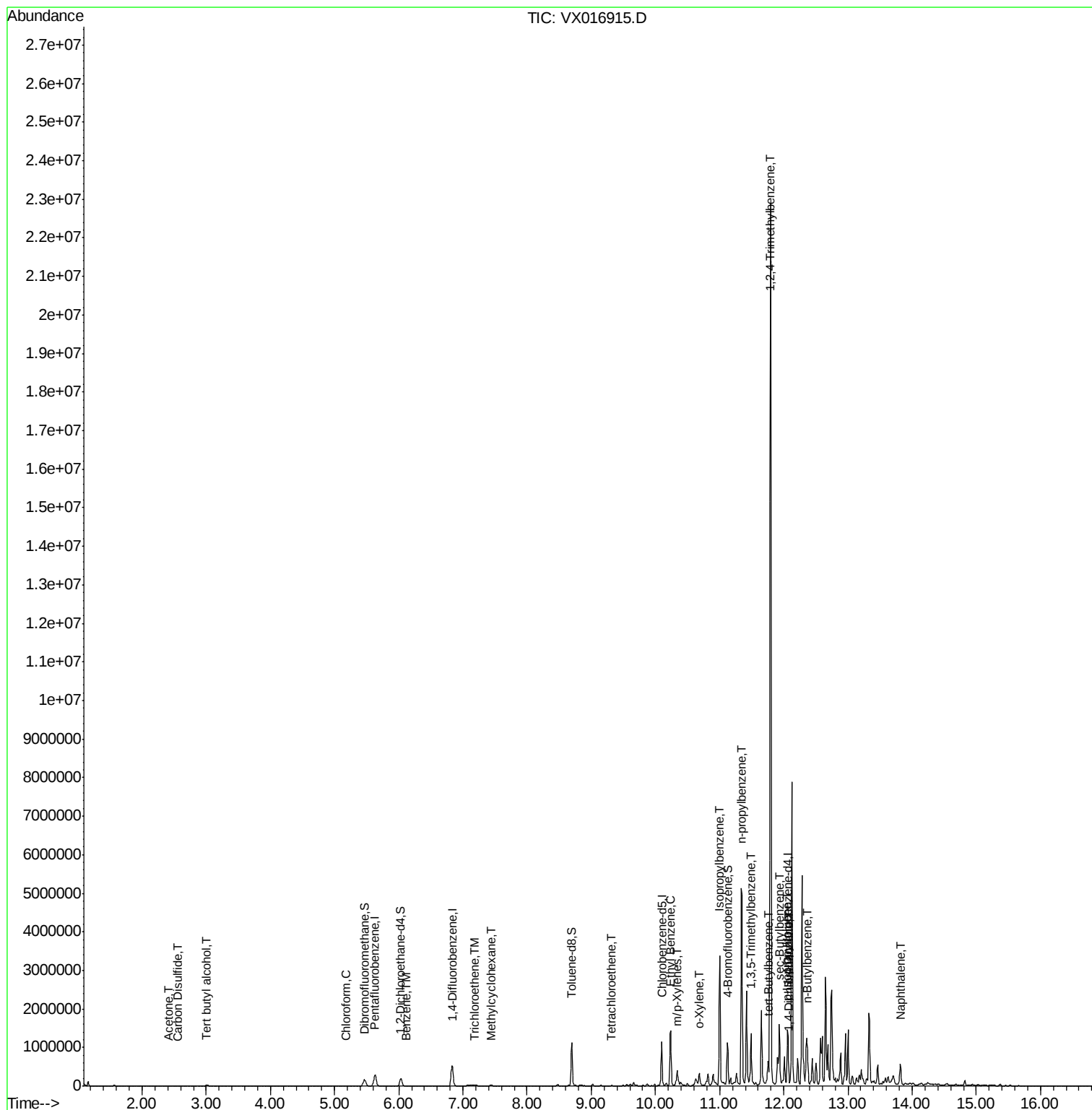
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016915.D
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Operator : JC/SP
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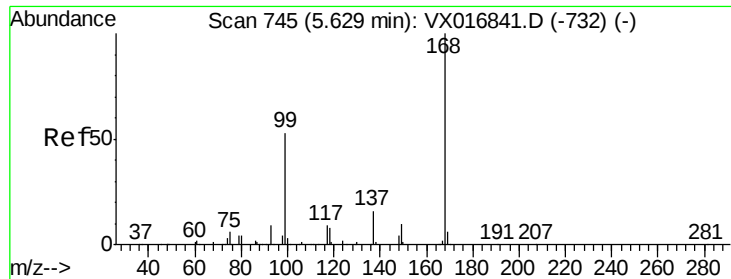
Instrument :
MSVOA_X
ClientSampled :
MW-5

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Quant Time: Jul 03 06:21:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016915.D

Acq: 20 Jun 2020 07:47

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tgt Ion: 168 Resp: 308853

Ion Ratio Lower Upper

168 100

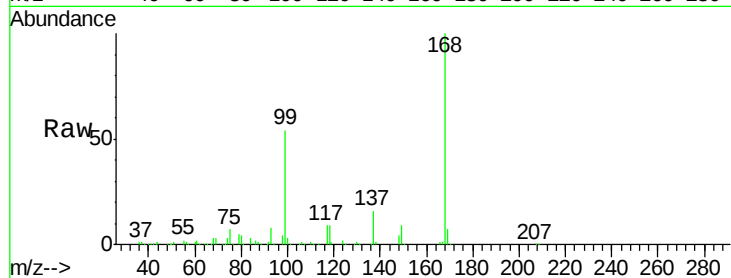
99 53.7 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

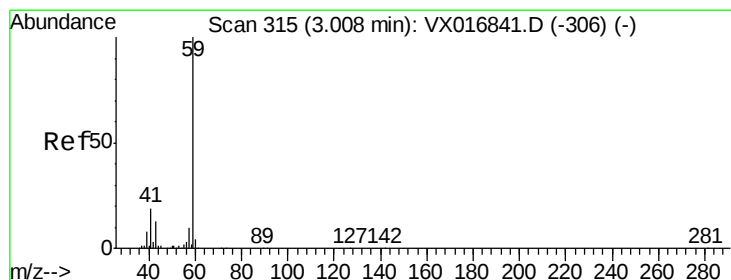
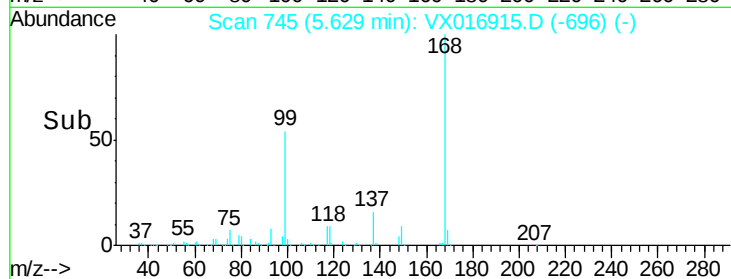
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 65.775 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.00 min

Lab File: VX016915.D

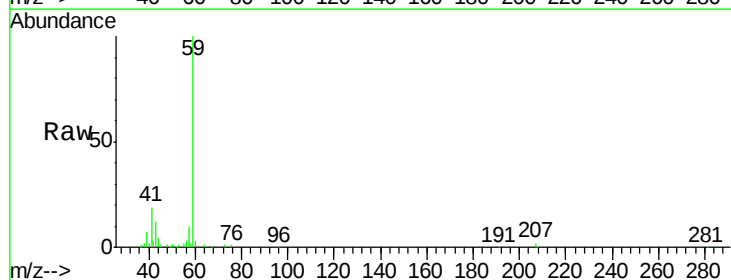
Acq: 20 Jun 2020 07:47

Tgt Ion: 59 Resp: 41303

Ion Ratio Lower Upper

59 100

57 9.4 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

20000

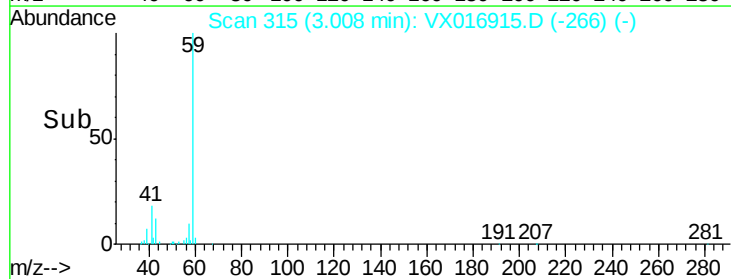
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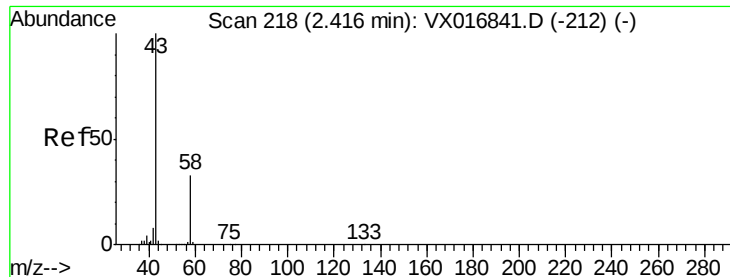
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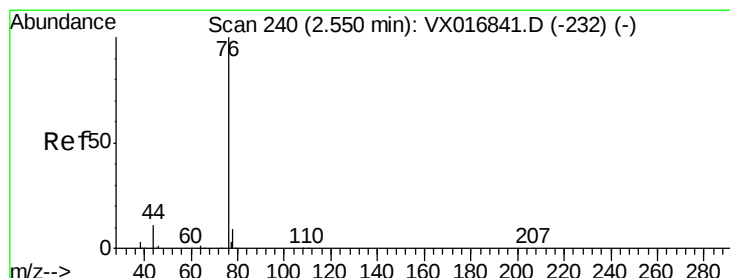
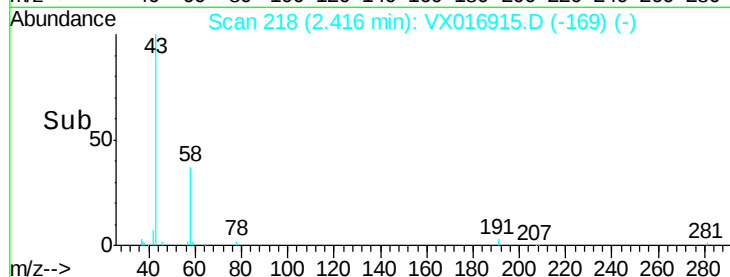
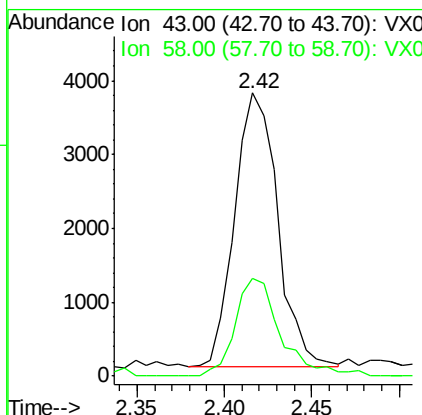
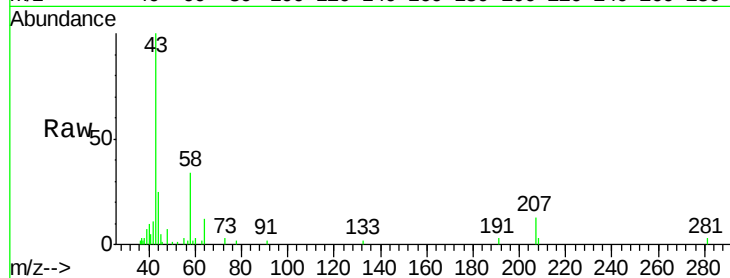
#16
Acetone
Concen: 4.722 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tgt Ion: 43 Resp: 6367
Ion Ratio Lower Upper
43 100
58 35.6 26.6 39.8

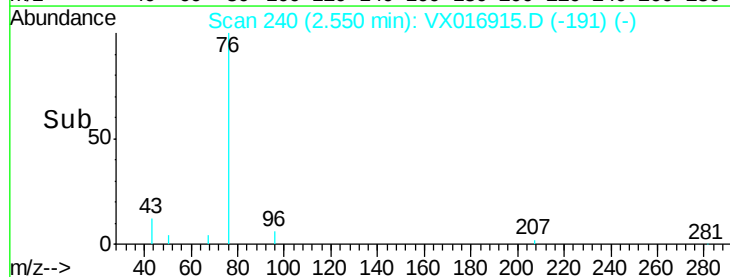
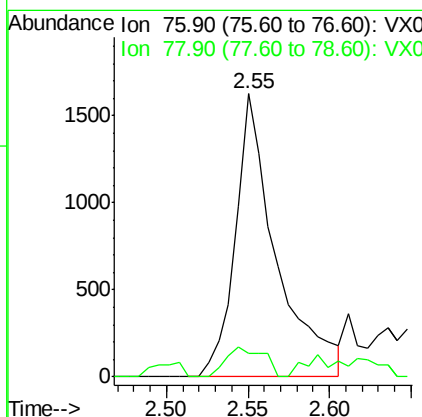
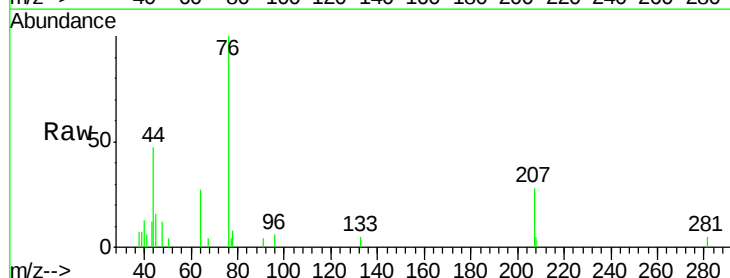
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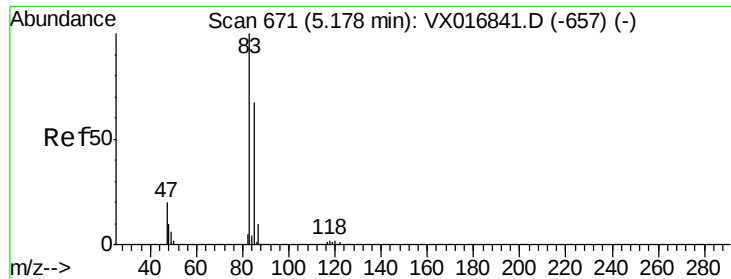
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#17
Carbon Disulfide
Concen: 0.332 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Tgt Ion: 76 Resp: 2829
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3





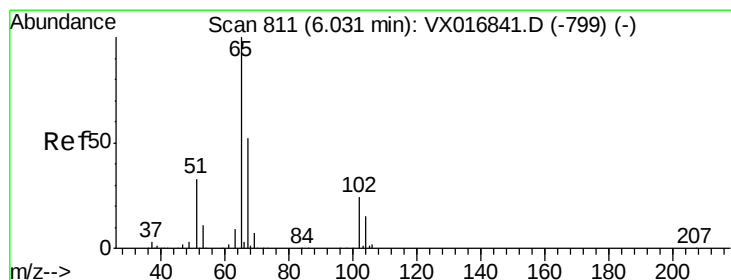
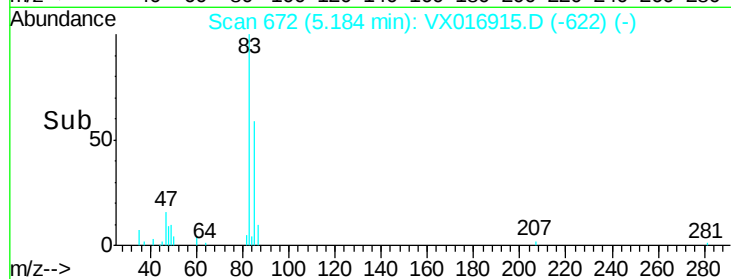
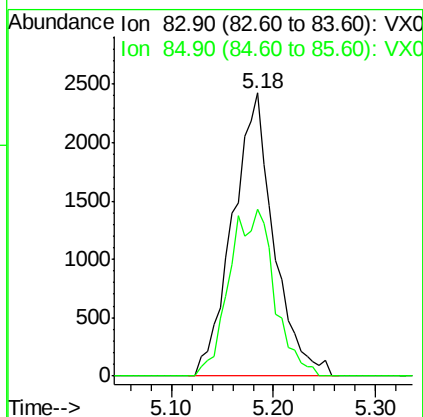
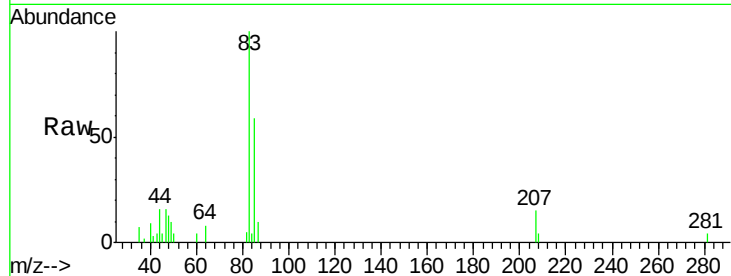
#30
Chloroform
Concen: 1.236 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tgt Ion: 83 Resp: 6816
Ion Ratio Lower Upper
83 100
85 59.1 53.4 80.0

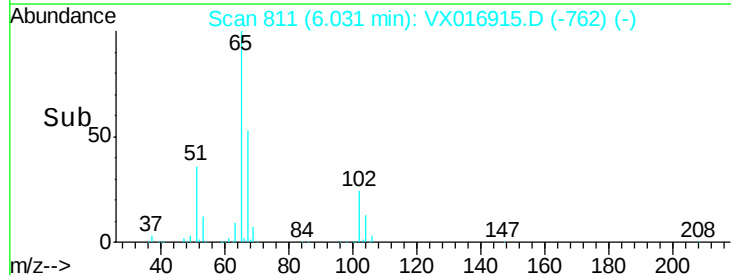
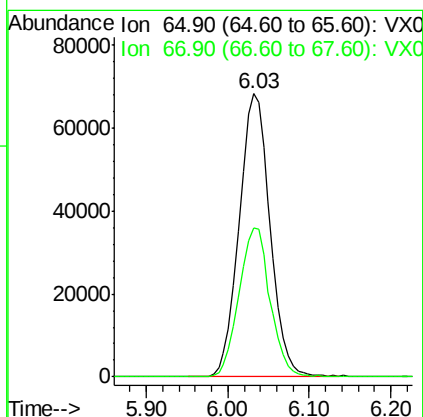
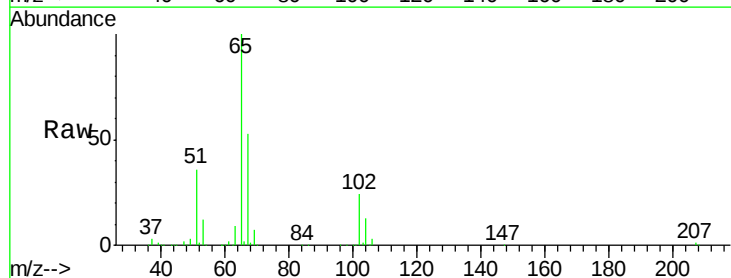
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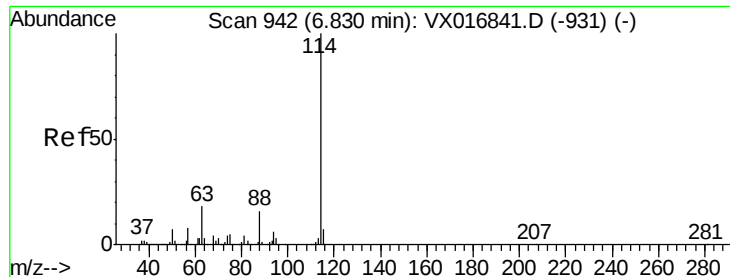
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#33
1,2-Dichloroethane-d4
Concen: 48.346 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Tgt Ion: 65 Resp: 179582
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016915.D

Acq: 20 Jun 2020 07:47

Instrument :

MSVOA_X

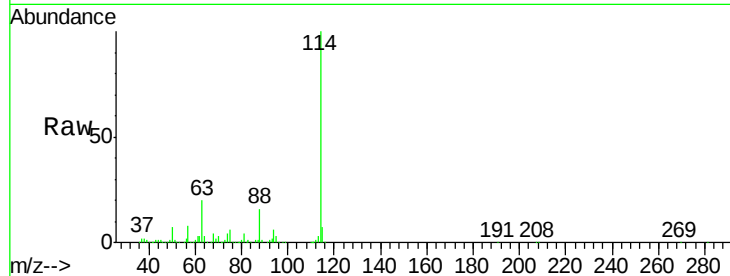
ClientSampleId :

MW-5

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	539766		
63	20.2		0.0	37.0
88	16.2		0.0	32.0

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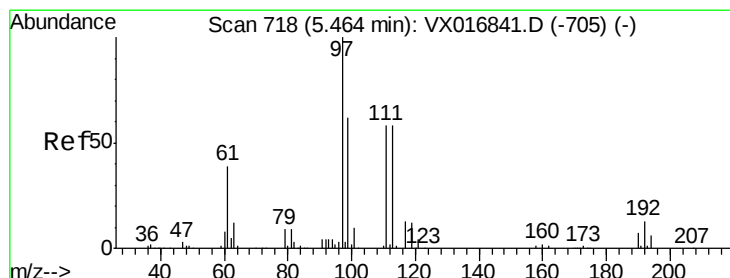
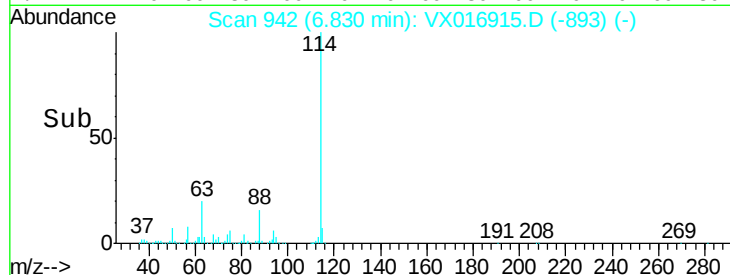
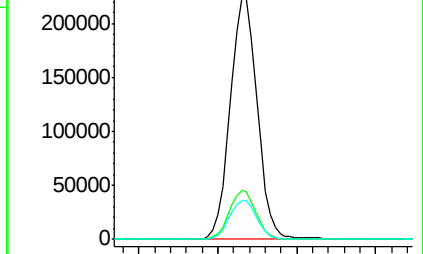
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 44.215 ug/l

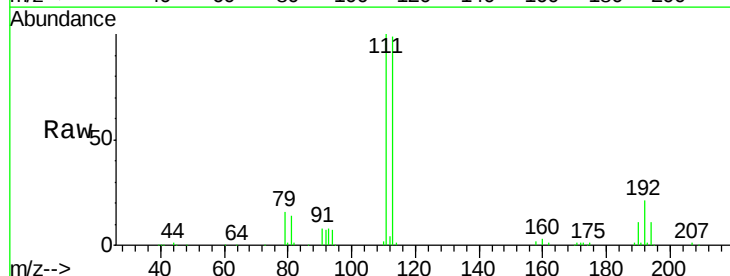
RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016915.D

Acq: 20 Jun 2020 07:47

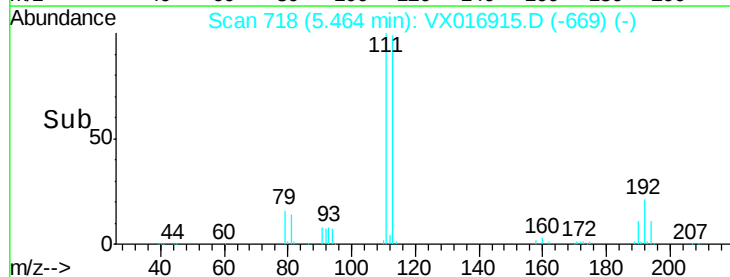
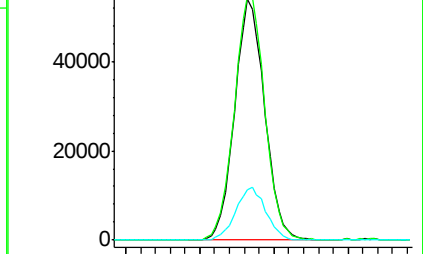
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	152670		
111	103.0		81.0	121.4
192	22.0		18.5	27.7

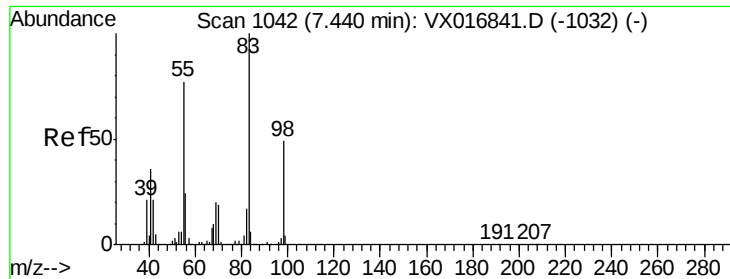


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





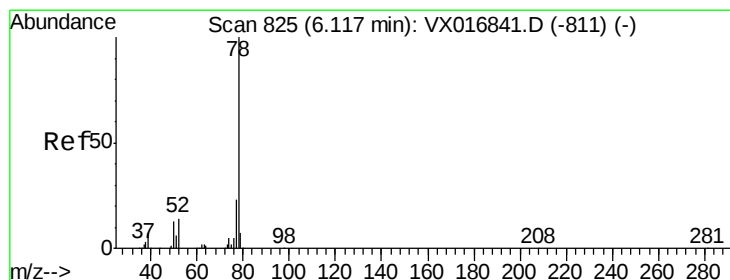
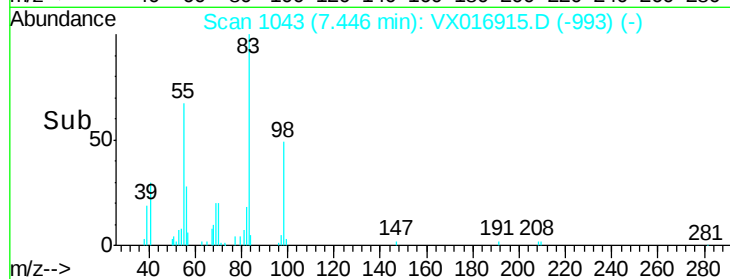
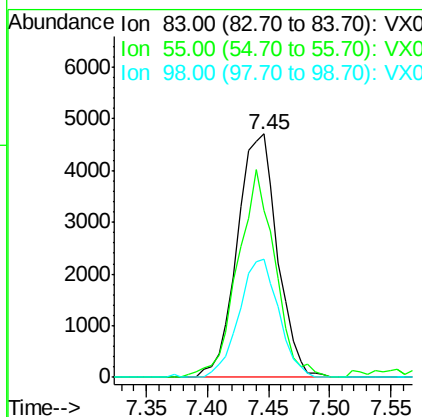
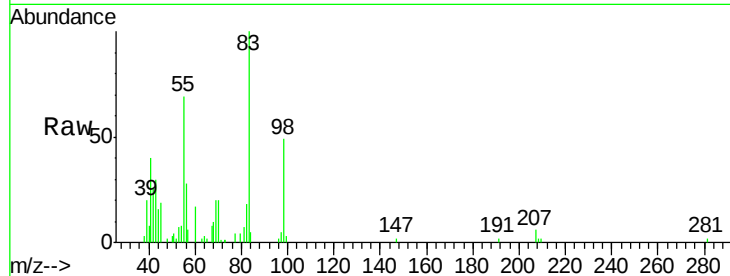
#39
Methylcyclohexane
Concen: 1.855 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tgt Ion:	83	Resp:	10750
Ion	Ratio	Lower	Upper
83	100		
55	68.6	61.7	92.5
98	48.7	39.0	58.6

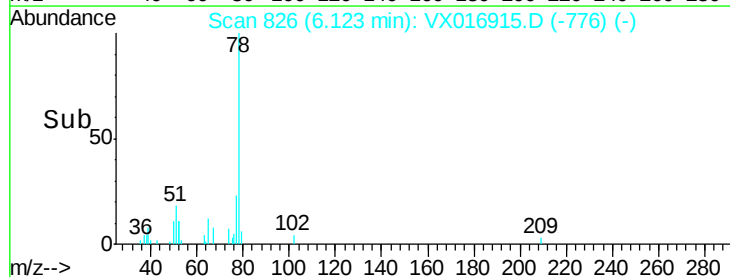
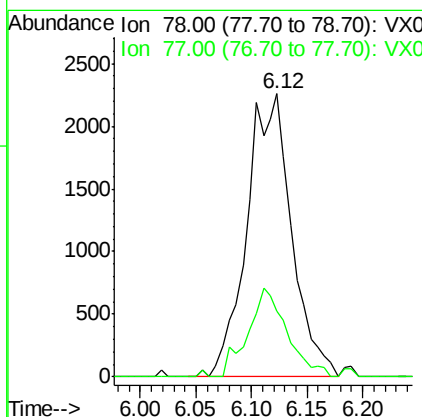
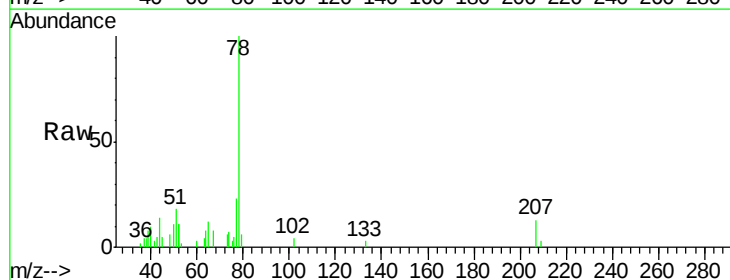
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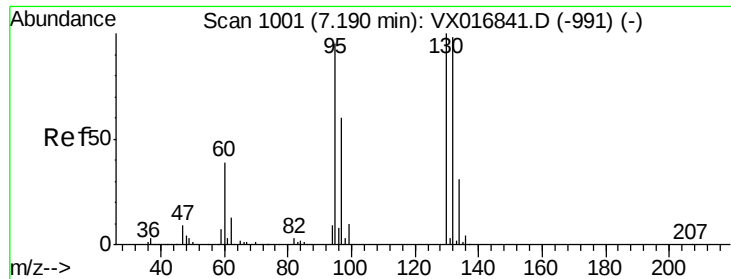
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#40
Benzene
Concen: 0.423 ug/l
RT: 6.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Tgt Ion:	78	Resp:	6319
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	27.8





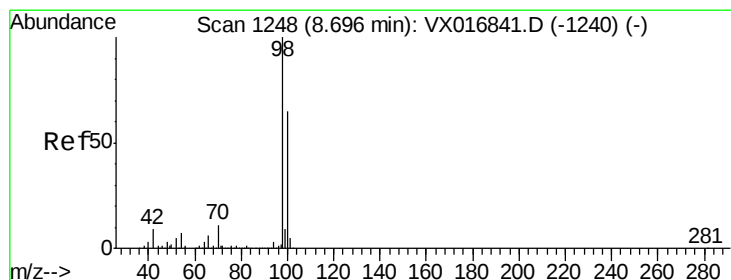
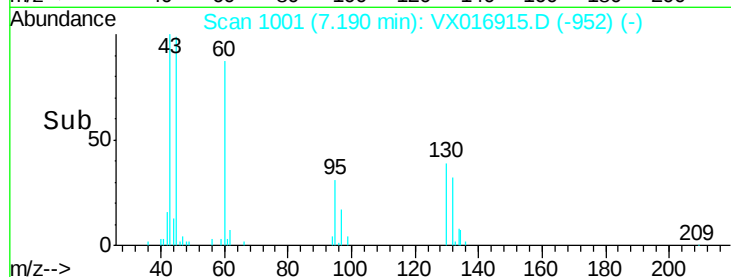
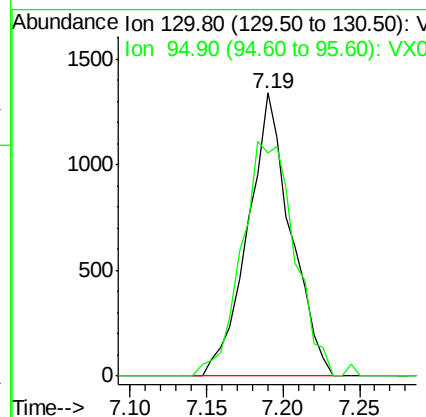
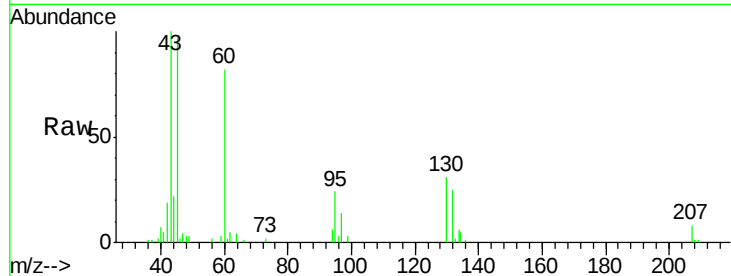
#44
 Trichloroethene
 Concen: 0.572 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016915.D
 Acq: 20 Jun 2020 07:47

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

Tgt Ion: 130 Resp: 2619
 Ion Ratio Lower Upper
 130 100
 95 78.8 0.0 190.8

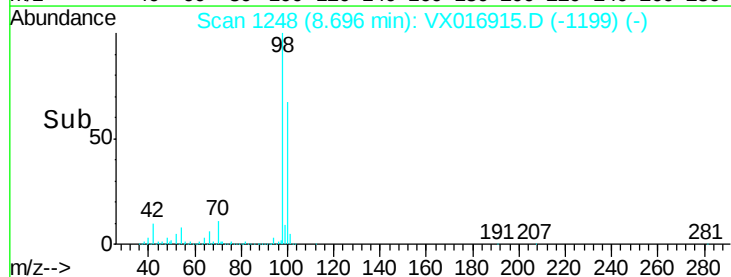
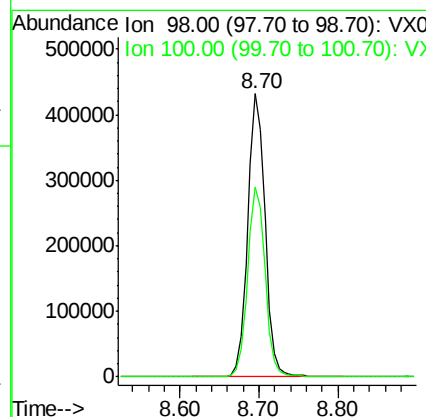
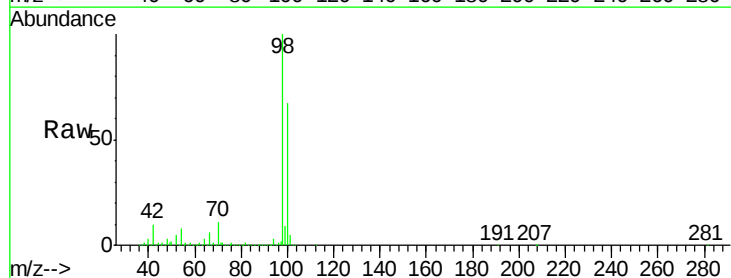
Manual Integrations
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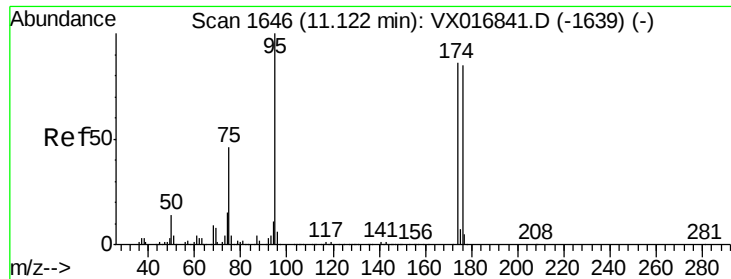
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#50
 Toluene-d8
 Concen: 47.865 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016915.D
 Acq: 20 Jun 2020 07:47

Tgt Ion: 98 Resp: 661230
 Ion Ratio Lower Upper
 98 100
 100 67.5 54.0 81.0





#62

4-Bromofluorobenzene

Concen: 54.636 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016915.D

Acq: 20 Jun 2020 07:47

Instrument :

MSVOA_X

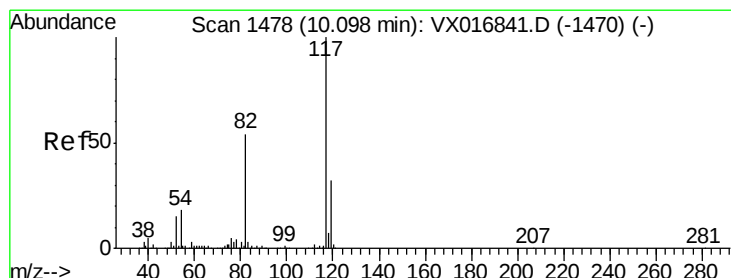
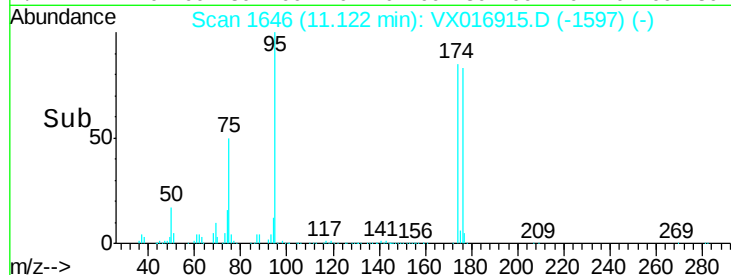
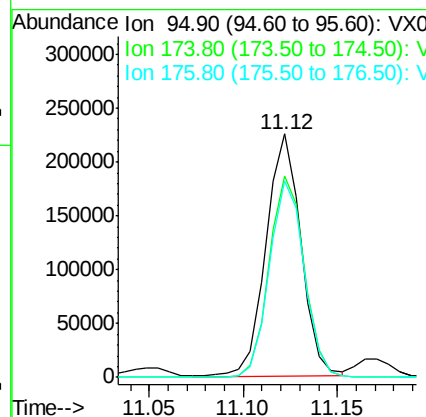
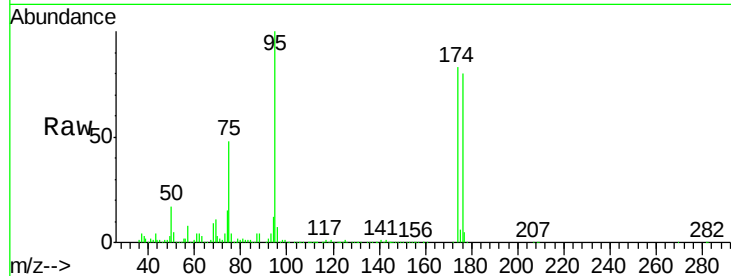
ClientSampleId :

MW-5

Tgt Ion:	95	Resp:	289185
Ion Ratio	Lower	Upper	
95	100		
174	83.5	0.0	174.2
176	80.6	0.0	170.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

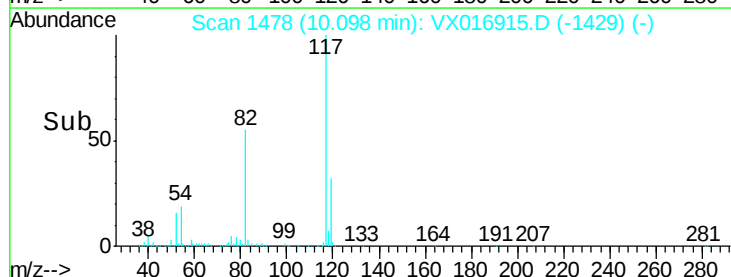
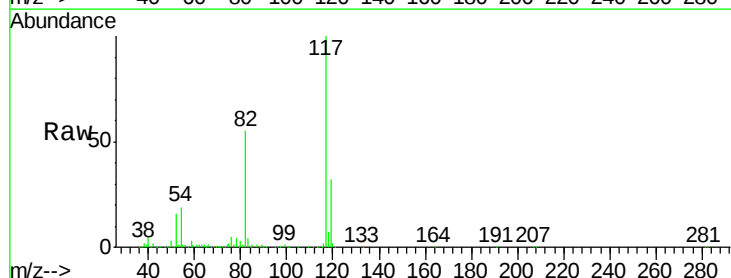
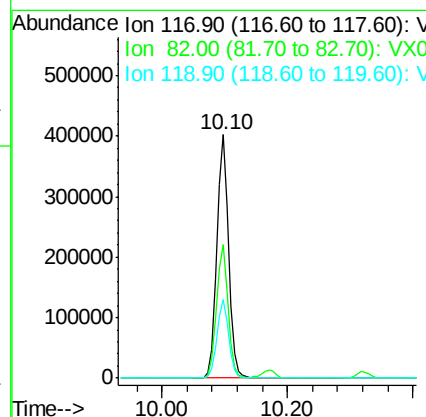
RT: 10.10 min Scan# 1478

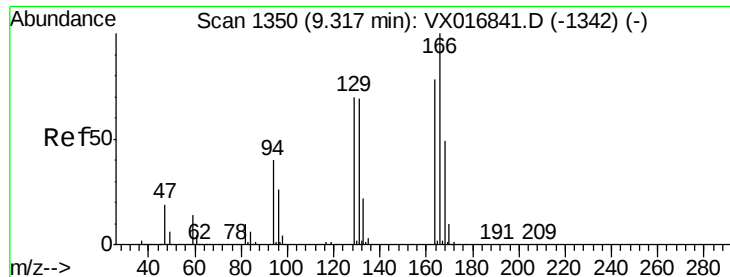
Delta R.T. -0.00 min

Lab File: VX016915.D

Acq: 20 Jun 2020 07:47

Tgt Ion:	117	Resp:	518152
Ion Ratio	Lower	Upper	
117	100		
82	54.6	43.4	65.0
119	32.1	25.7	38.5





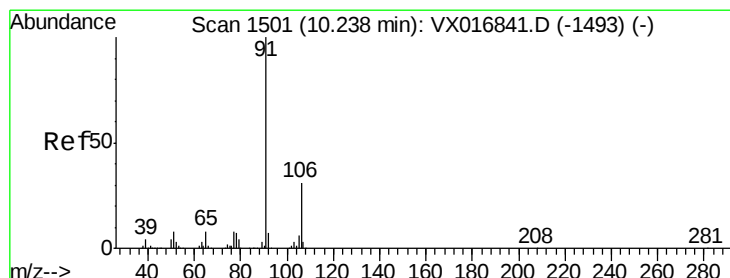
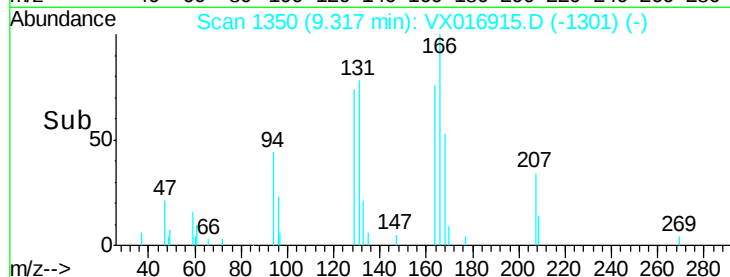
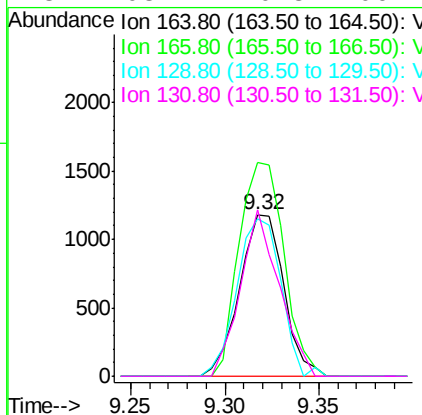
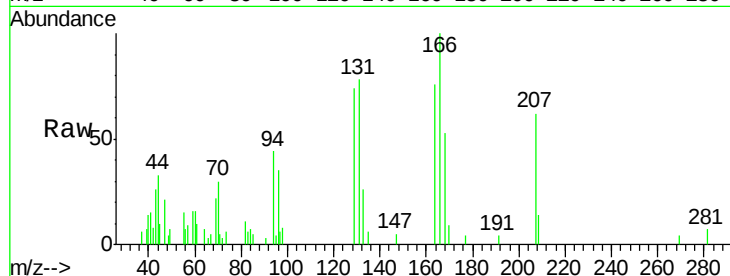
#64
Tetrachloroethene
Concen: 0.400 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	102.6	153.8
129	97.6	72.2	108.2
131	103.1	70.8	106.2

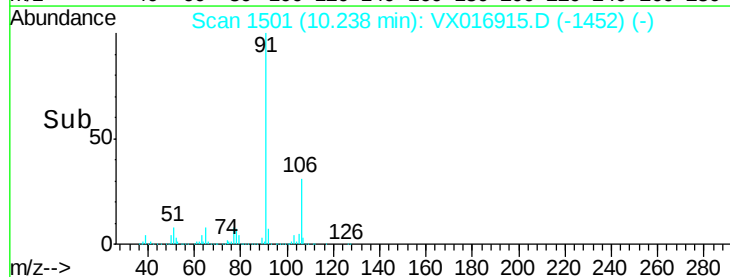
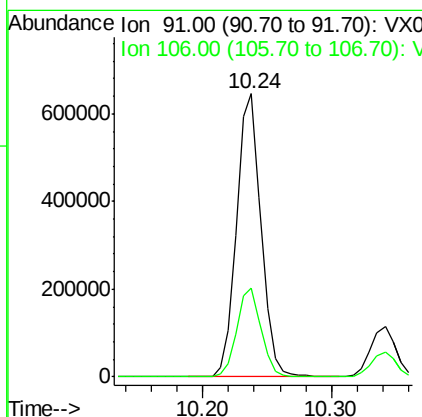
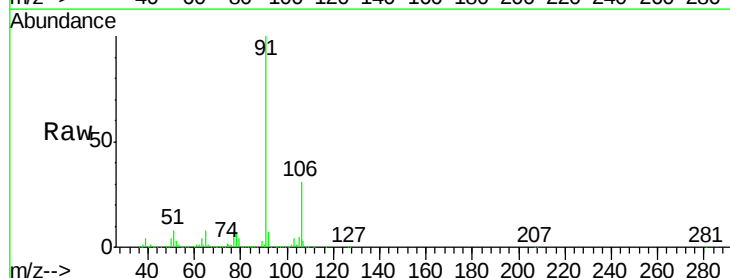
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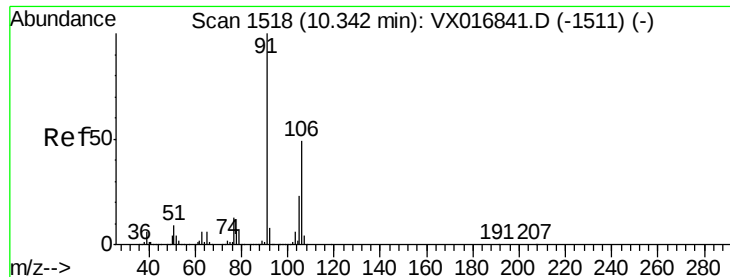
MMDadoda
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#67
Ethyl Benzene
Concen: 48.064 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.1	37.7





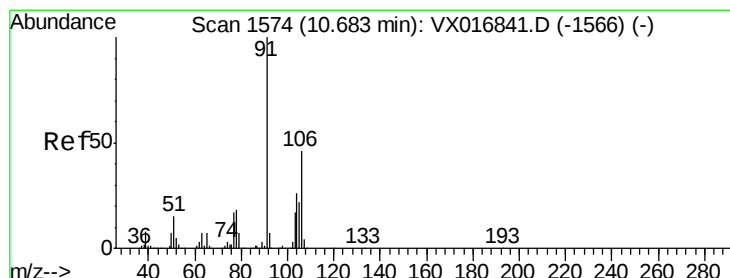
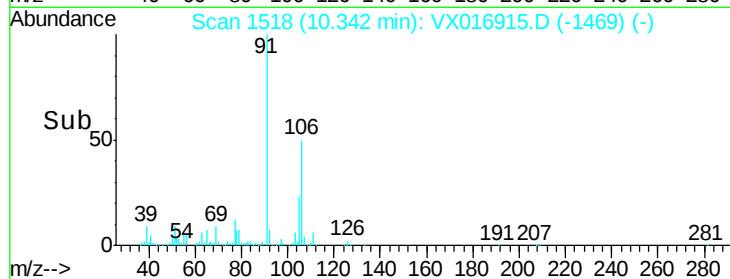
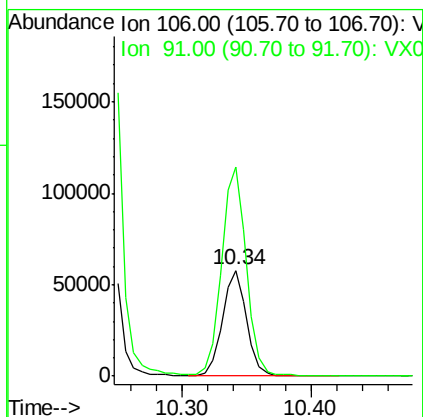
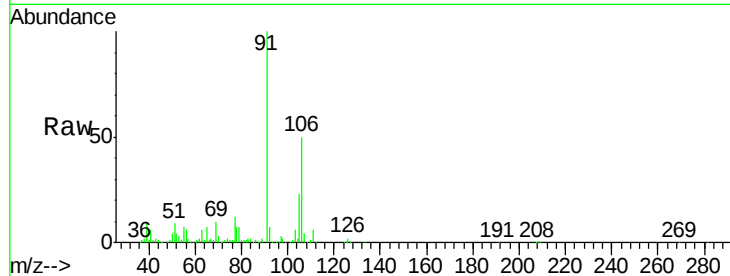
#68
m/p-Xylenes
Concen: 11.066 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tgt Ion:106 Resp: 76232
Ion Ratio Lower Upper
106 100
91 202.9 161.5 242.3

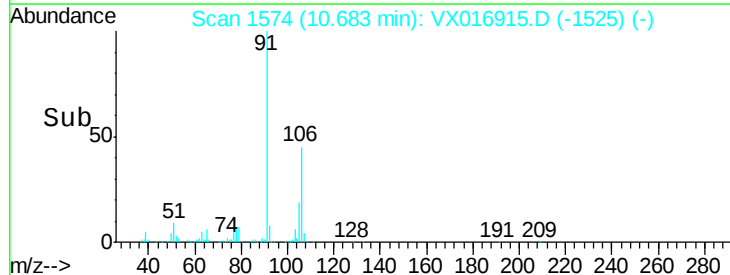
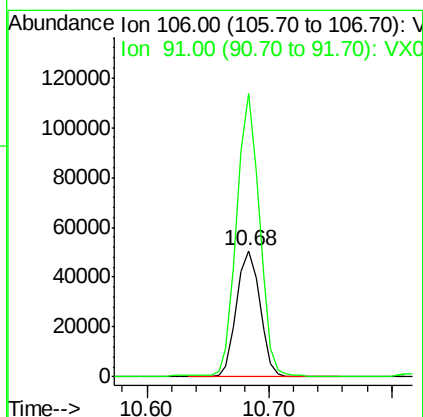
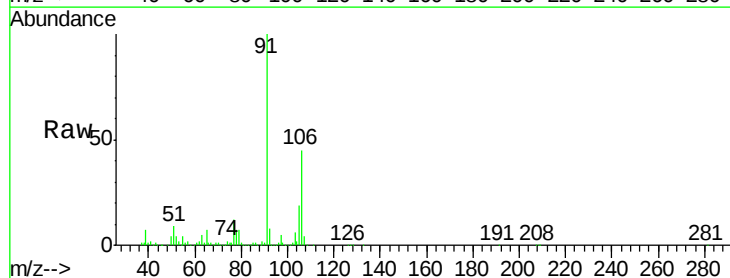
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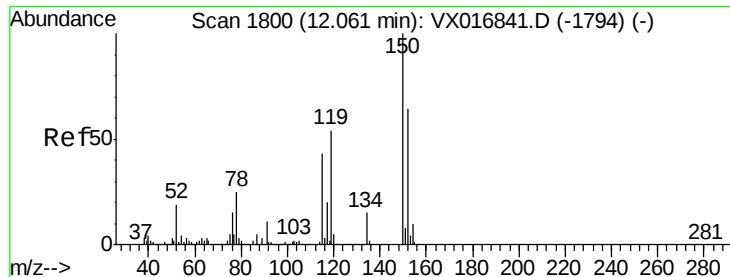
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#69
o-Xylene
Concen: 10.612 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Tgt Ion:106 Resp: 67598
Ion Ratio Lower Upper
106 100
91 218.5 107.9 323.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016915.D

Acq: 20 Jun 2020 07:47

Instrument :

MSVOA_X

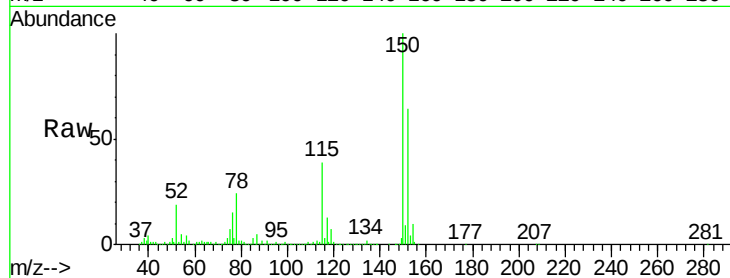
ClientSampled :

MW-5

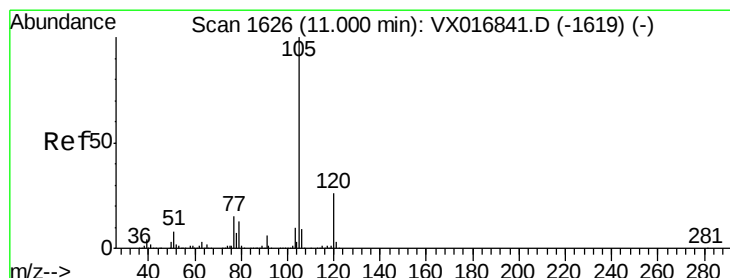
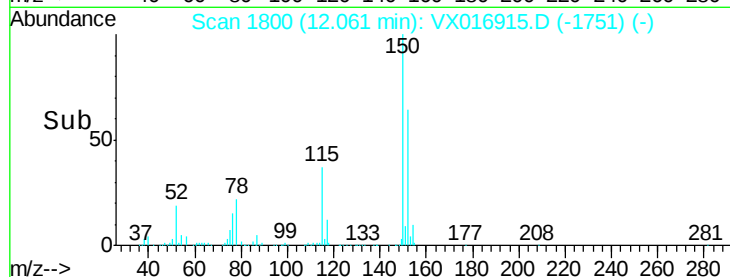
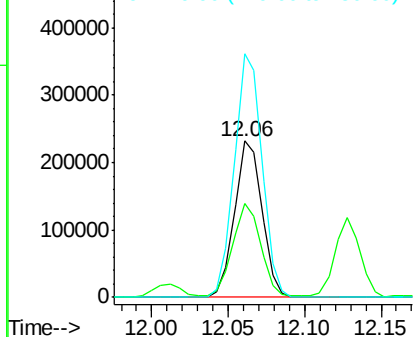
Tgt Ion:	152	Resp:	287136
Ion Ratio	Lower	Upper	
152	100		
115	60.8	40.9	122.8
150	157.6	0.0	344.2

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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: 100.167 ug/l

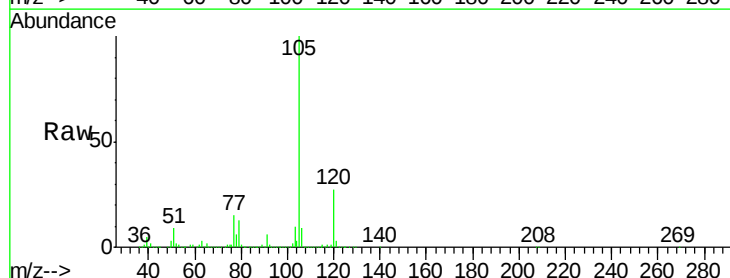
RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

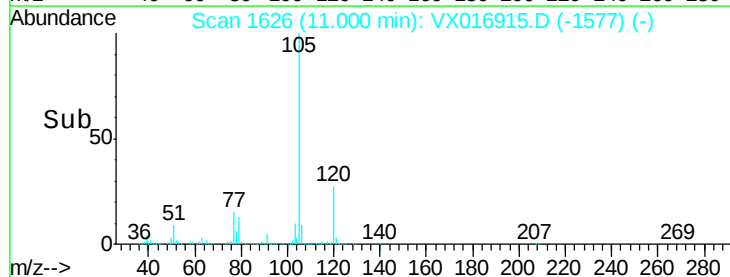
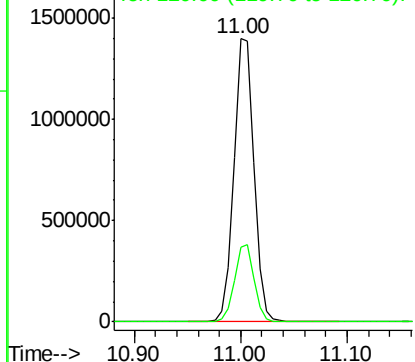
Lab File: VX016915.D

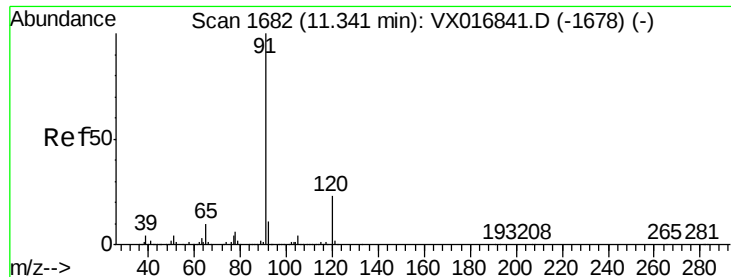
Acq: 20 Jun 2020 07:47

Tgt Ion:	105	Resp:	1851819
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.2	39.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





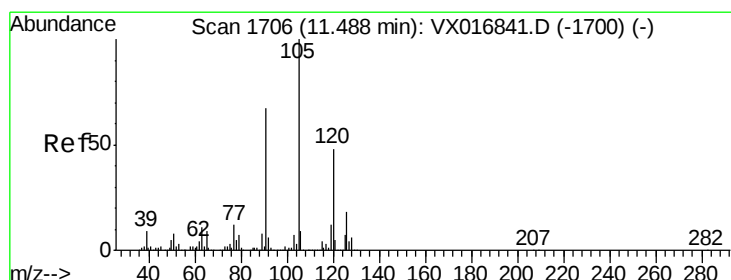
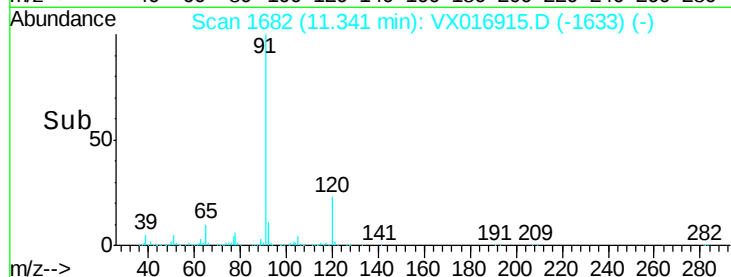
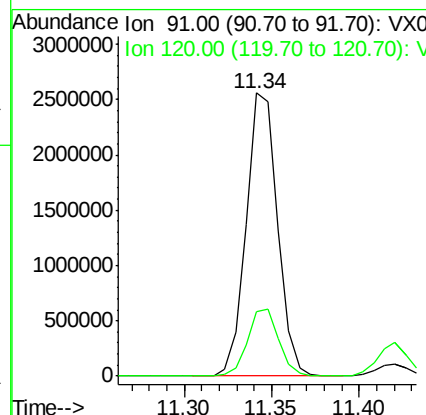
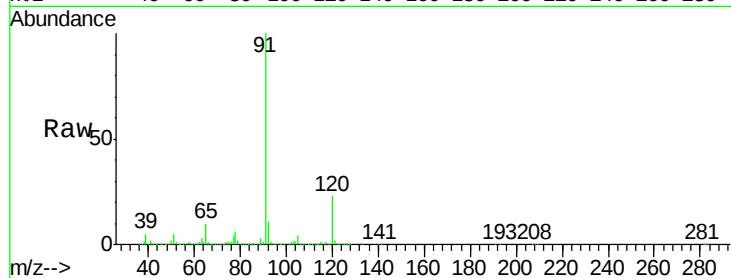
#78
n-propylbenzene
Concen: 154.187 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tgt Ion: 91 Resp: 3181236
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5

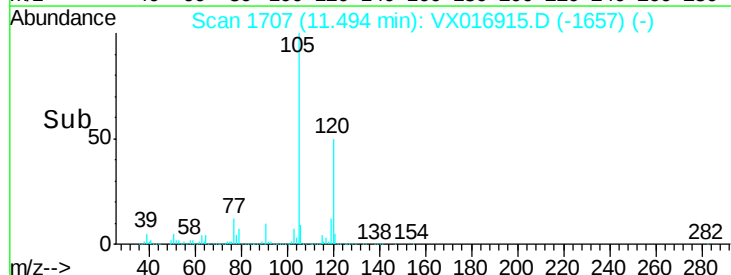
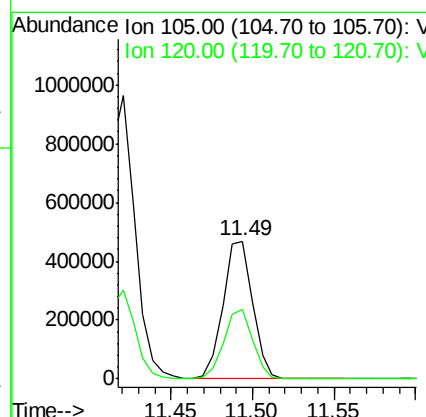
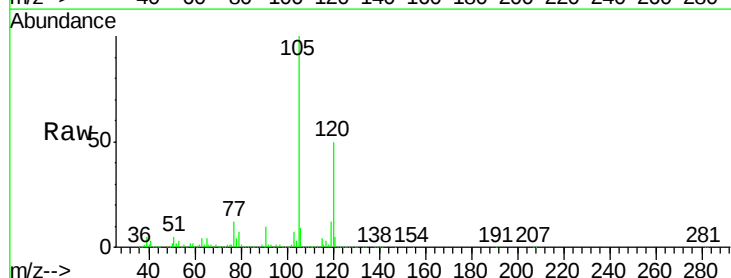
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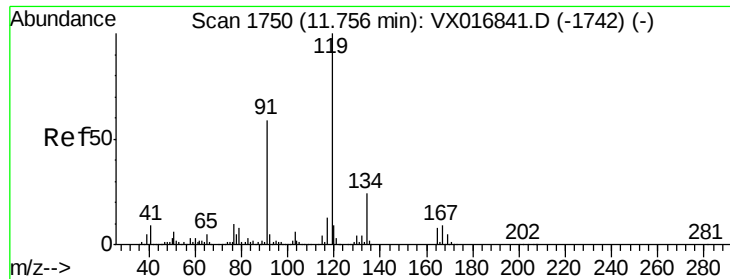
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#80
1,3,5-Trimethylbenzene
Concen: 37.124 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Tgt Ion: 105 Resp: 592164
Ion Ratio Lower Upper
105 100
120 49.1 24.6 74.0





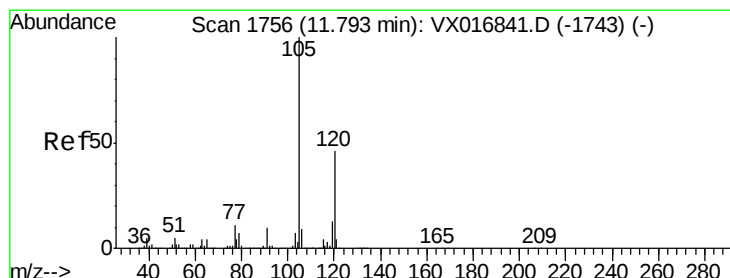
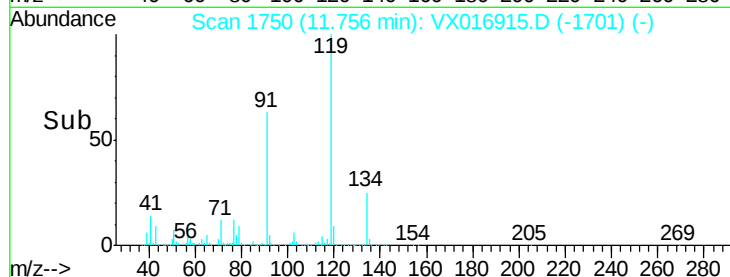
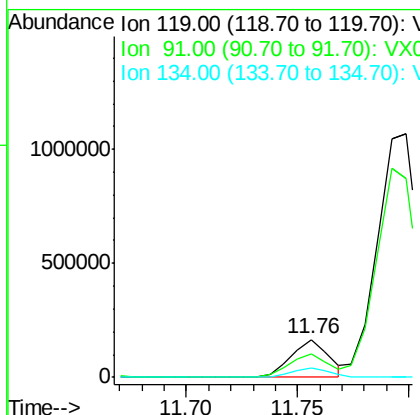
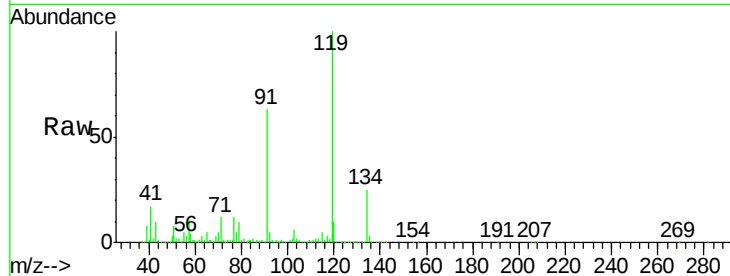
#83
 tert-Butylbenzene
 Concen: 12.147 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016915.D
 Acq: 20 Jun 2020 07:47

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	191701		
91	65.7	28.5	85.5	
134	26.0	11.7	35.1	

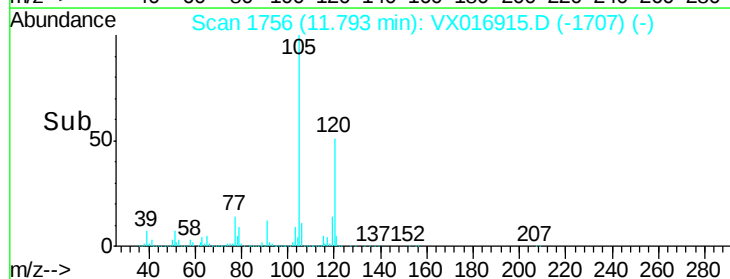
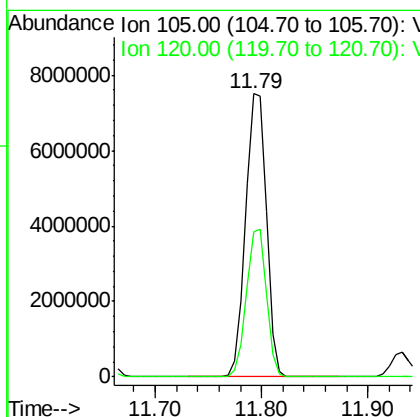
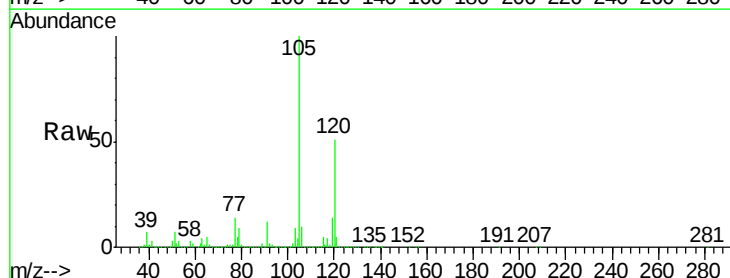
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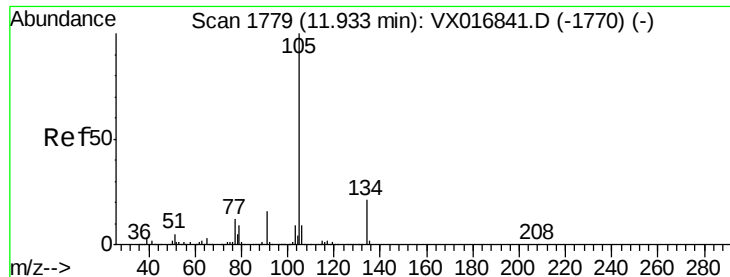
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#84
 1,2,4-Trimethylbenzene
 Concen: 628.987 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016915.D
 Acq: 20 Jun 2020 07:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	10334971		
120	50.2	22.3	66.9	





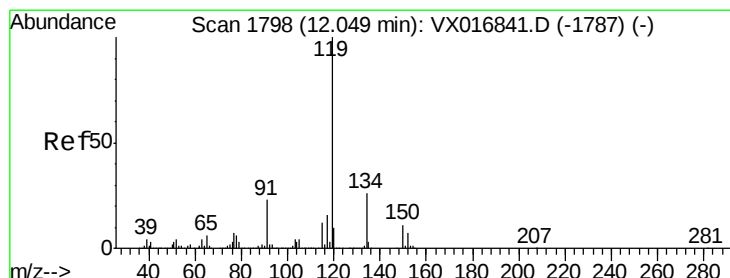
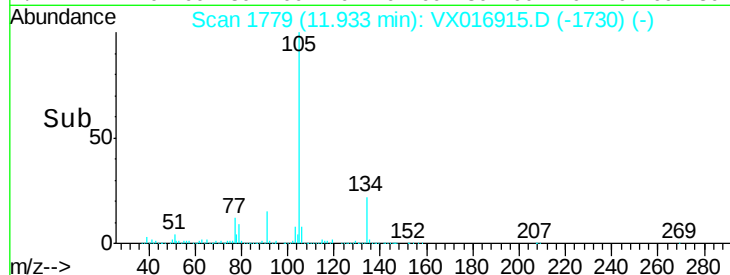
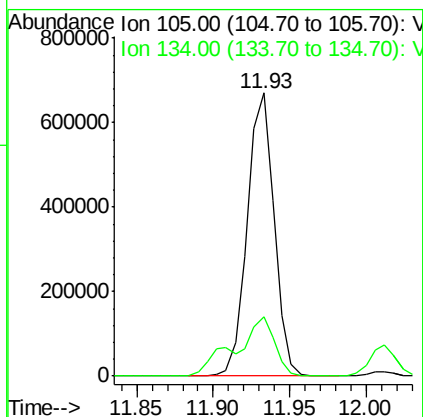
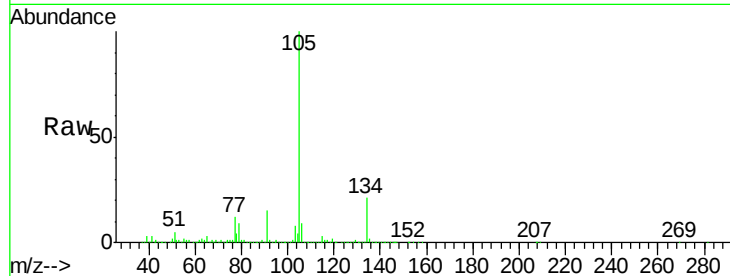
#85
 sec-Butylbenzene
 Concen: 44.474 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016915.D
 Acq: 20 Jun 2020 07:47

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	815185		
134	30.5	10.4	31.2	

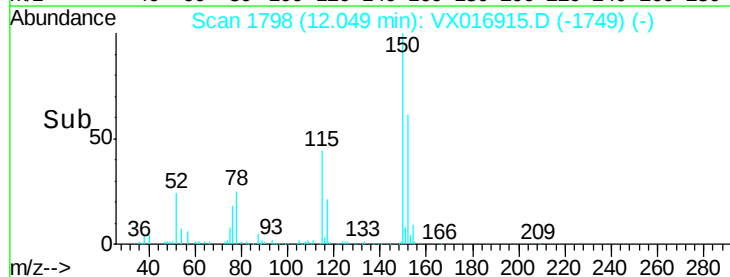
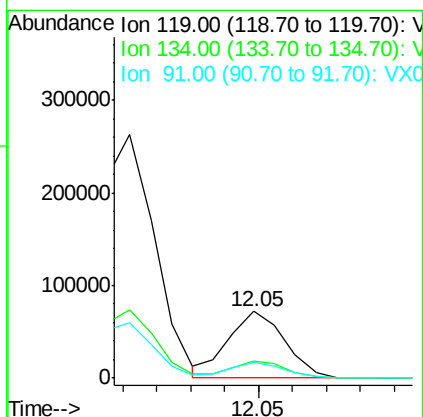
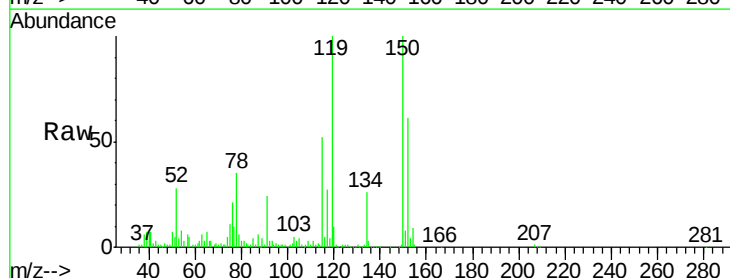
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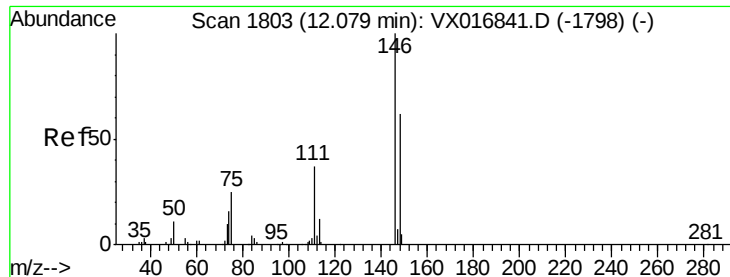
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#86
 p-Isopropyltoluene
 Concen: 4.996 ug/l m
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016915.D
 Acq: 20 Jun 2020 07:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	83895		
134	103.8	12.9	38.7#	
91	85.5	11.6	34.8#	





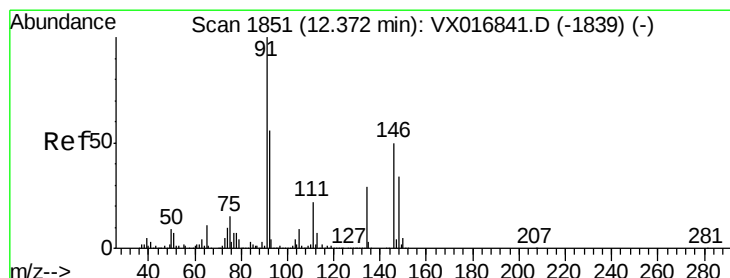
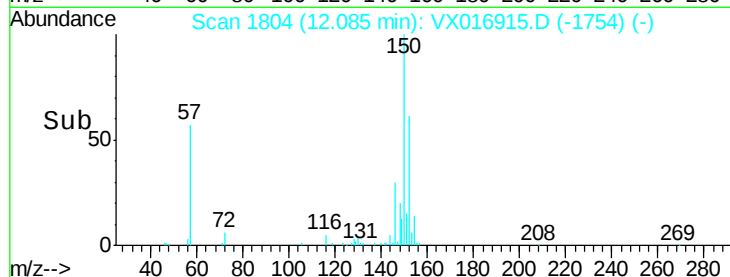
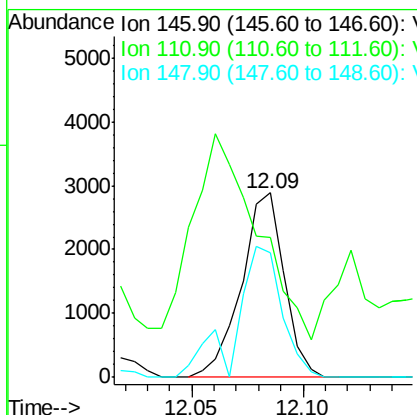
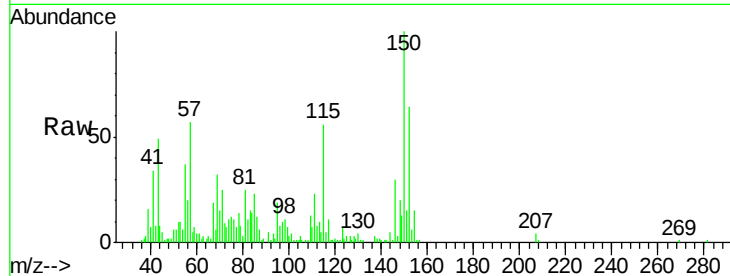
#88
 1,4-Dichlorobenzene
 Concen: 0.416 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX016915.D
 Acq: 20 Jun 2020 07:47

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.0	57.0#
148	76.9	31.6	95.0

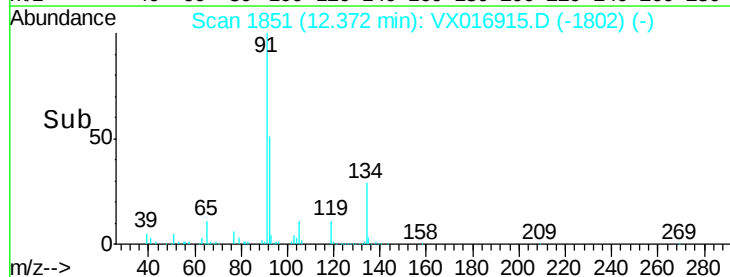
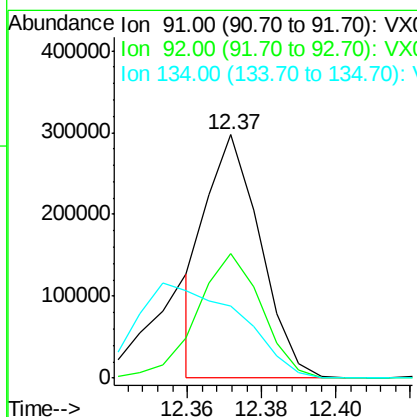
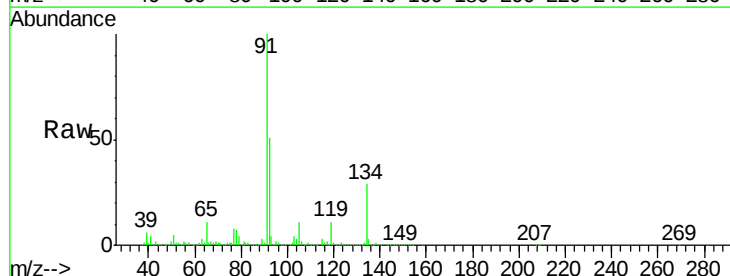
Manual Integrations
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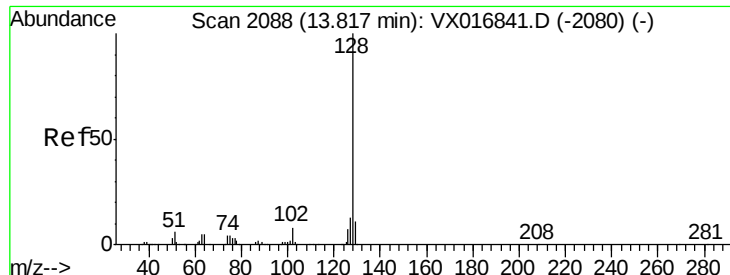
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#89
 n-Butylbenzene
 Concen: 21.016 ug/l m
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX016915.D
 Acq: 20 Jun 2020 07:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.2	27.4	82.2
134	74.7	13.9	41.6#





#95
Naphthalene
Concen: 18.466 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016915.D
Acq: 20 Jun 2020 07:47

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.6	8.6	13.0

Manual Integrations
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