

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX061920\
 Data File : VX016916.D
 Acq On : 20 Jun 2020 08:09
 Operator : JC/SP
 Sample : L3066-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

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6/22/2020 12:21:57 PM

Quant Time: Jul 03 06:26:16 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	5.64	168	303146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	564279	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	491919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	296440	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	190179	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.32%	
35) Dibromofluoromethane	5.46	113	157327	43.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.16%	
50) Toluene-d8	8.70	98	582521	40.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.68%	
62) 4-Bromofluorobenzene	11.12	95	249945	45.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	28746	46.640	ug/l	100
16) Acetone	2.42	43	10268	7.758	ug/l	93
17) Carbon Disulfide	2.55	76	2308	0.276	ug/l #	75
25) 2-Butanone	4.65	43	4791	2.630	ug/l #	88
27) cis-1,2-Dichloroethene	4.57	96	61066	17.767	ug/l	91
39) Methylcyclohexane	7.45	83	21630	3.570	ug/l	95
44) Trichloroethene	7.20	130	2178	0.455	ug/l	93
64) Tetrachloroethene	9.32	164	3827	0.840	ug/l	91
67) Ethyl Benzene	10.24	91	1942607	115.583	ug/l	99
68) m/p-Xylenes	10.34	106	300118	45.888	ug/l	100
69) o-Xylene	10.68	106	52822	8.735	ug/l	99
73) Isopropylbenzene	11.00	105	2119372	111.041	ug/l	100
78) n-propylbenzene	11.34	91	3681897	172.852	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	694071	42.147	ug/l	100
83) tert-Butylbenzene	11.76	119	236208	14.497	ug/l	90
84) 1,2,4-Trimethylbenzene	11.79	105	14330099	844.758	ug/l	71
85) sec-Butylbenzene	11.93	105	1208019	63.838	ug/l #	77
86) p-Isopropyltoluene	12.05	119	487252	28.103	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	6415	0.667	ug/l #	65
89) n-Butylbenzene	12.37	91	434061m	29.195	ug/l	
95) Naphthalene	13.82	128	1506947	83.261	ug/l	99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061920\
Data File : VX016916.D
Acq On : 20 Jun 2020 08:09
Operator : JC/SP
Sample : L3066-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

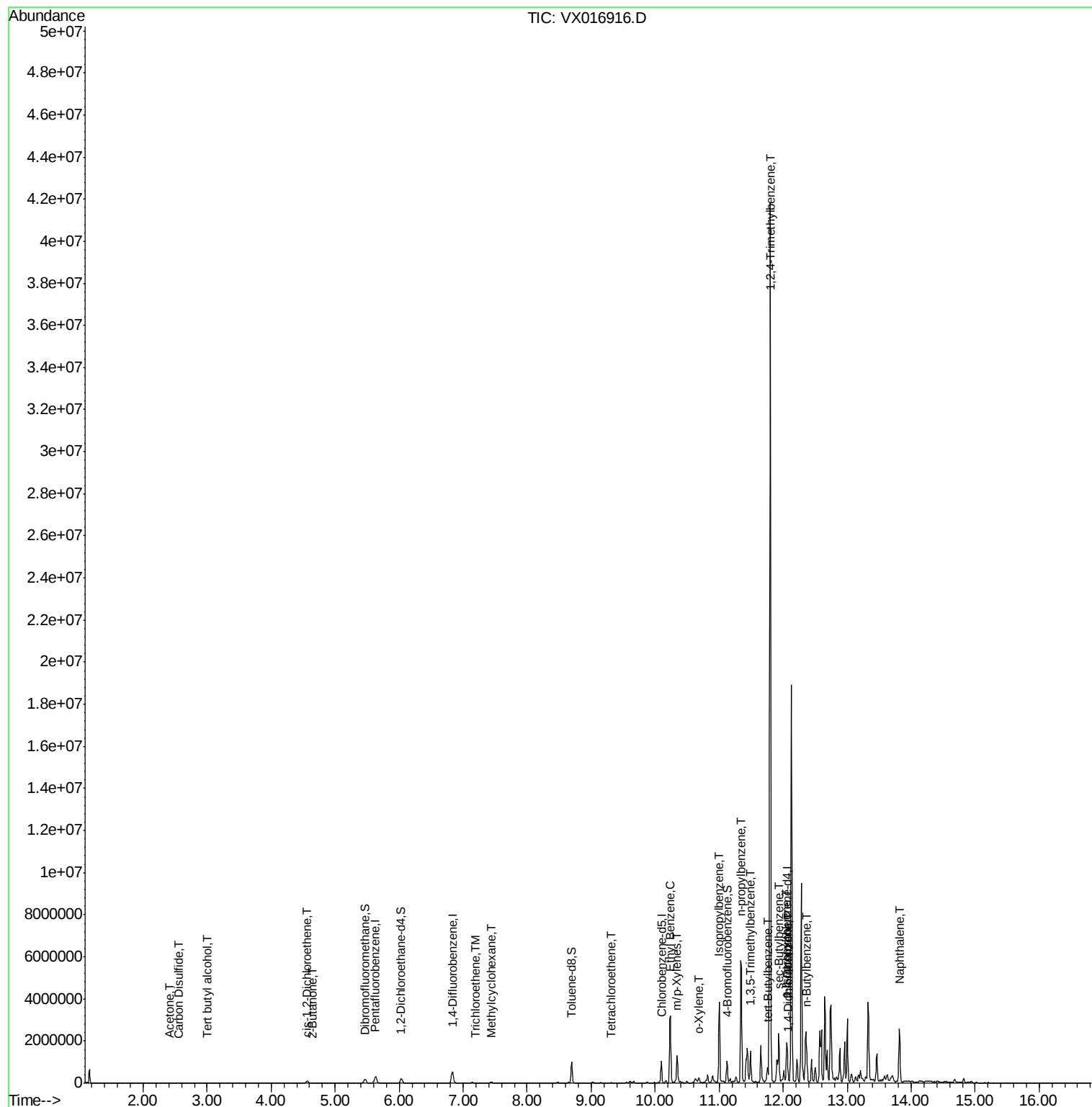
Instrument :
MSVOA_X
ClientSampleId :
MW-4

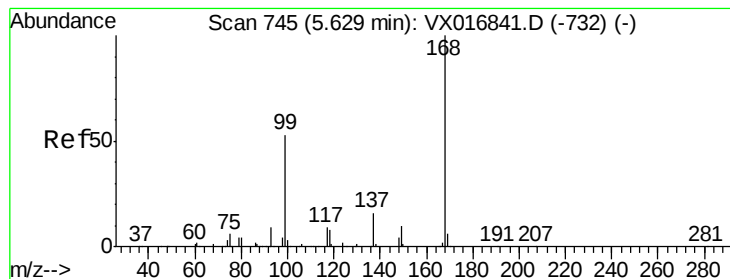
Quant Time: Jul 03 06:26:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 2020
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tgt Ion: 168 Resp: 303146

Ion Ratio Lower Upper

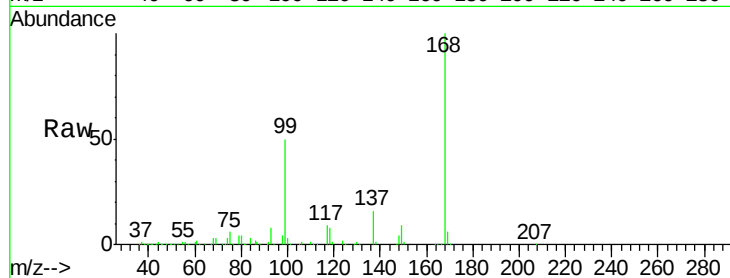
168 100

99 50.4 42.2 63.2

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

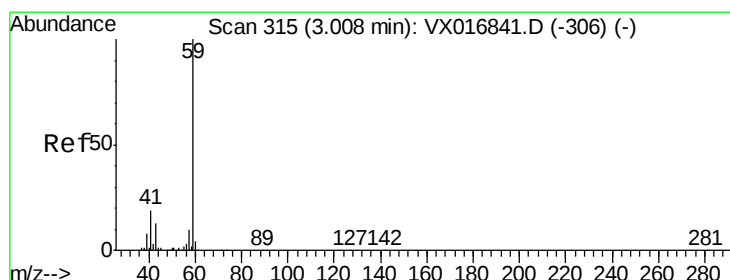
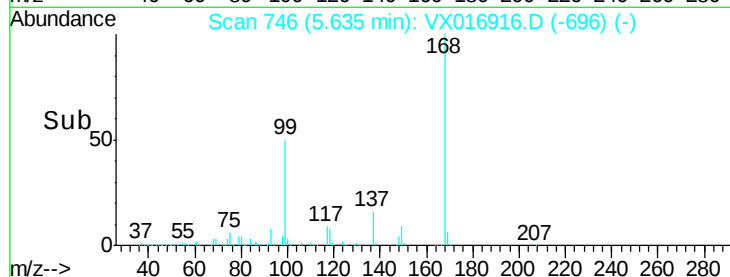
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 46.640 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.00 min

Lab File: VX016916.D

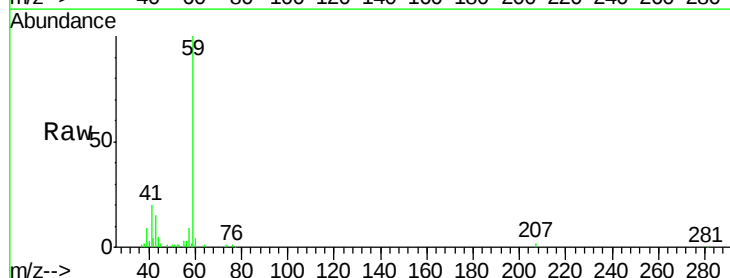
Acq: 20 Jun 2020 08:09

Tgt Ion: 59 Resp: 28746

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

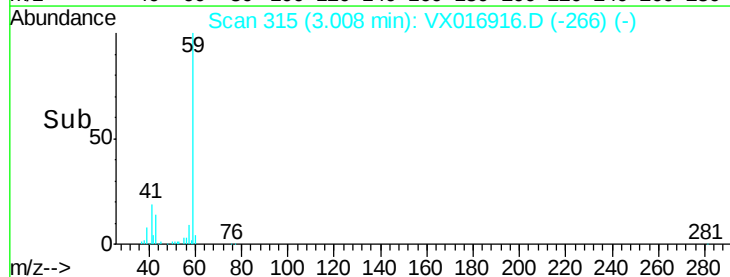
3.01

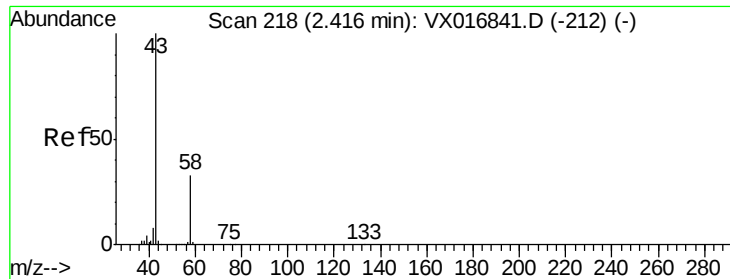
10000

5000

0

Time-->





#16

Acetone

Concen: 7.758 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tgt Ion: 43 Resp: 10268

Ion Ratio Lower Upper

43 100

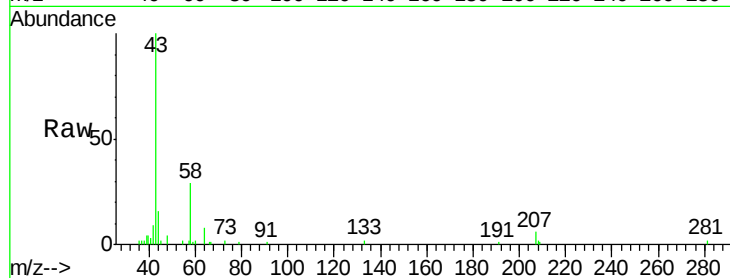
58 29.5 26.6 39.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

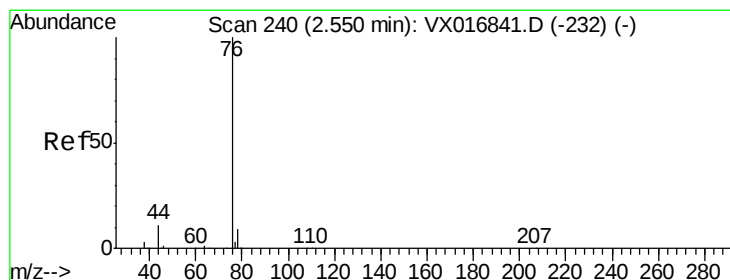
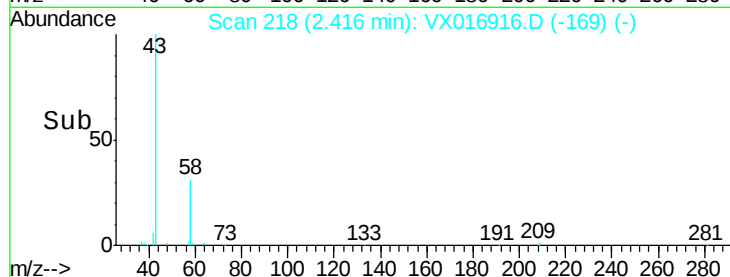
6000

4000

2000

0

Time--> 2.30 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.276 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016916.D

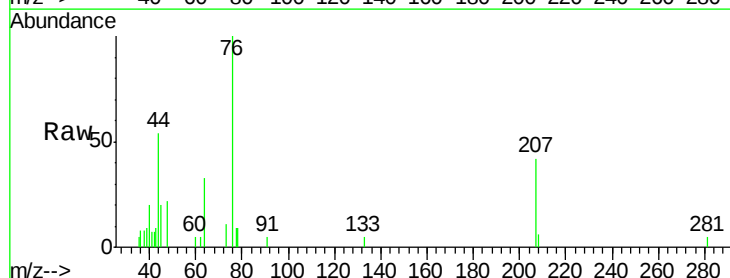
Acq: 20 Jun 2020 08:09

Tgt Ion: 76 Resp: 2308

Ion Ratio Lower Upper

76 100

78 18.4 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

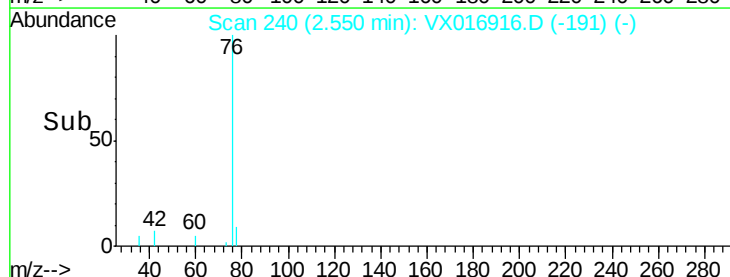
2.55

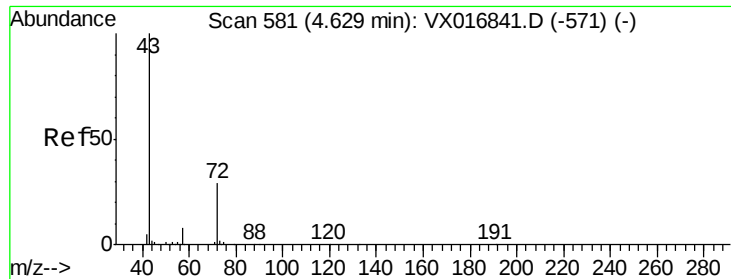
1000

500

0

Time--> 2.50 2.55 2.60





#25

2-Butanone

Concen: 2.630 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.02 min

Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

Instrument :

MSVOA_X

ClientSampled :

MW-4

Tgt Ion: 43 Resp: 4791

Ion Ratio Lower Upper

43 100

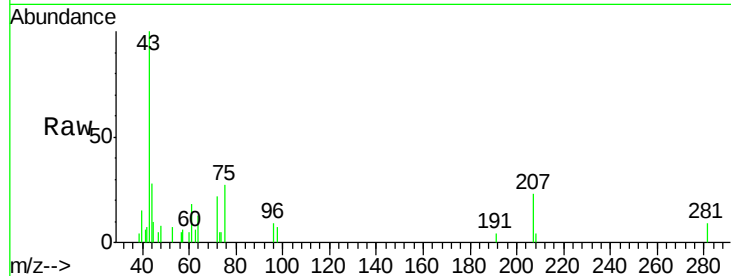
72 23.0 23.5 35.3#

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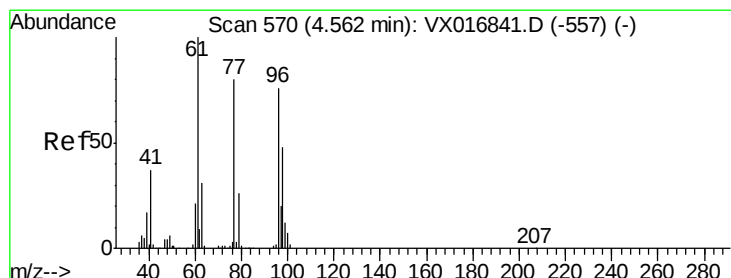
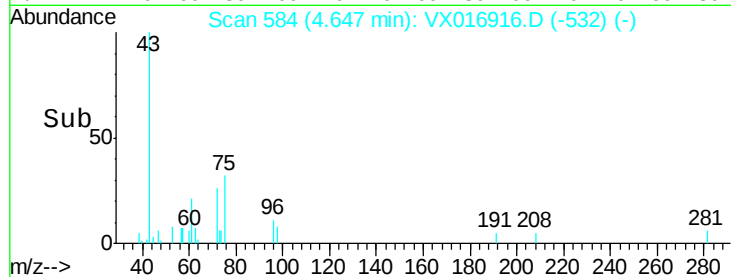
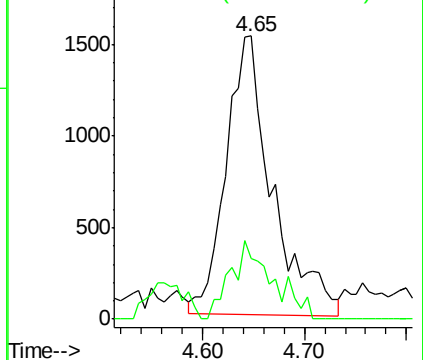
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 17.767 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

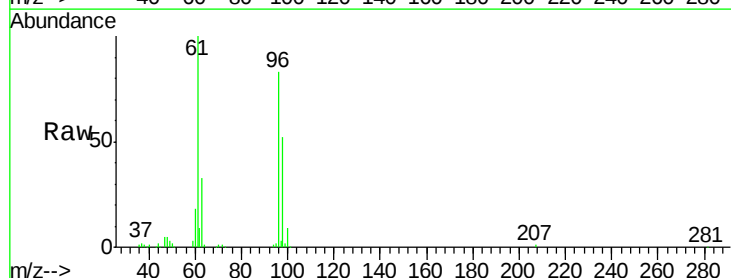
Tgt Ion: 96 Resp: 61066

Ion Ratio Lower Upper

96 100

61 122.4 0.0 273.8

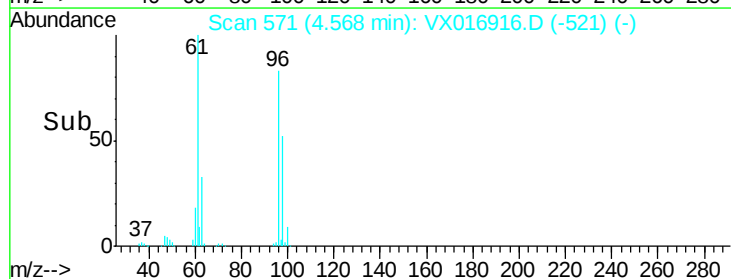
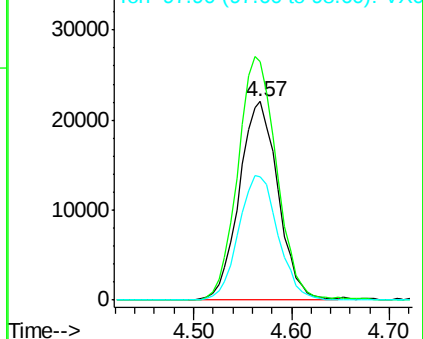
98 63.4 0.0 129.0

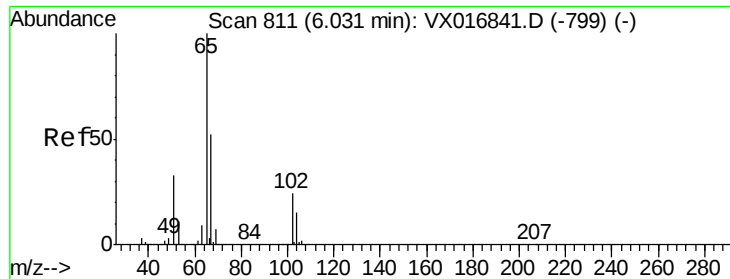


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33
 1,2-Dichloroethane-d4
 Concen: 52.163 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016916.D
 Acq: 20 Jun 2020 08:09

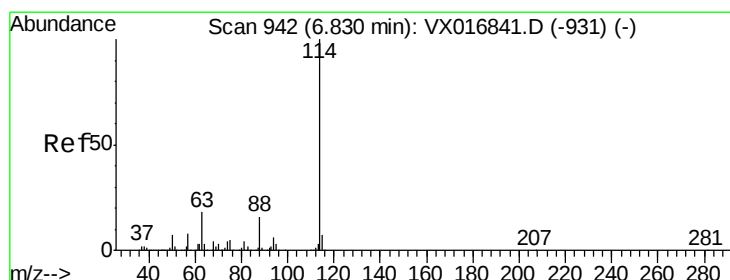
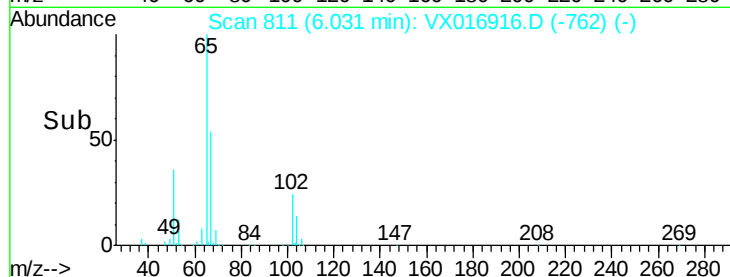
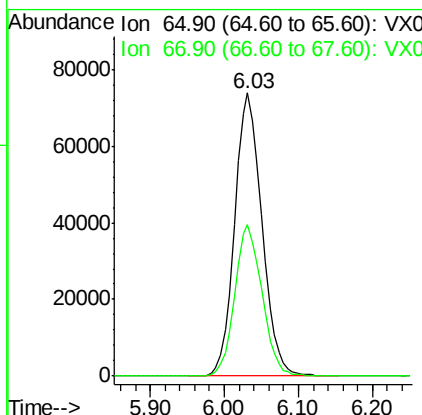
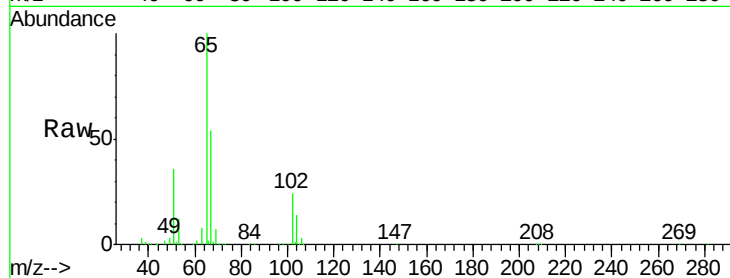
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	190179		
67	53.2	0.0	102.6	

Manual Integrations
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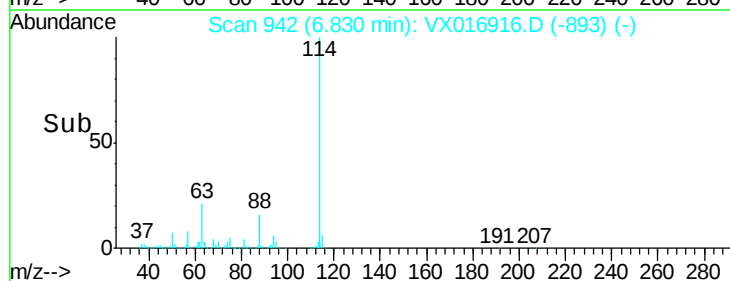
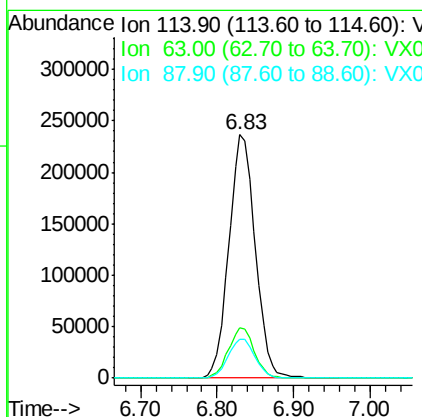
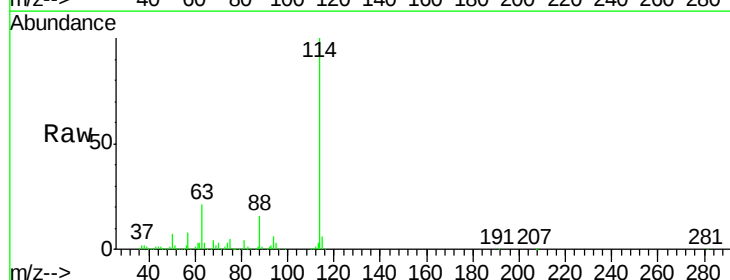
MMDadoda

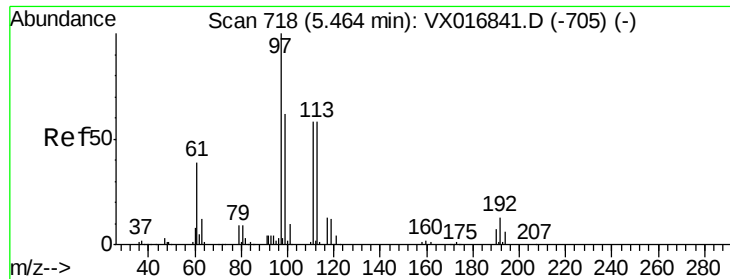
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016916.D
 Acq: 20 Jun 2020 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	564279		
63	20.9	0.0	37.0	
88	16.1	0.0	32.0	





#35
Dibromofluoromethane
Concen: 43.585 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

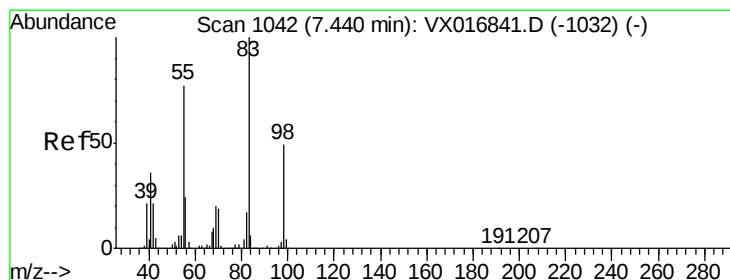
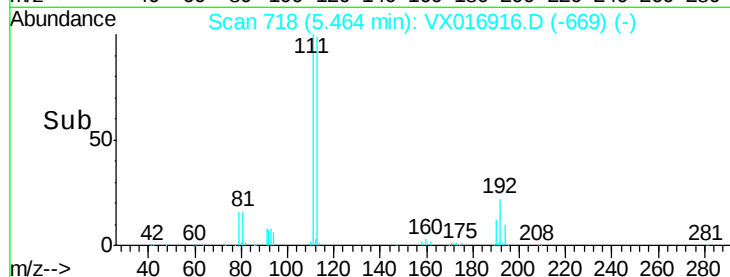
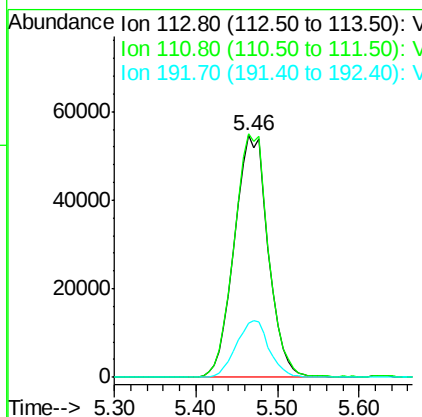
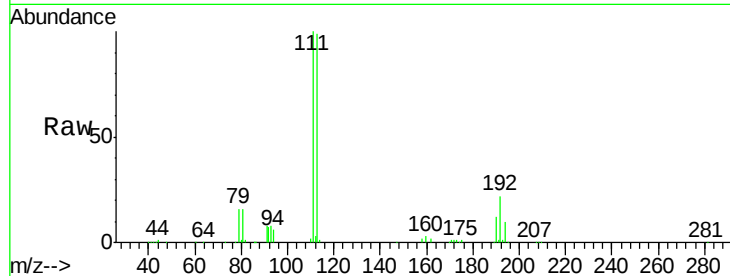
Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	157327		
111	101.7	81.0	121.4	
192	22.7	18.5	27.7	

Manual Integrations
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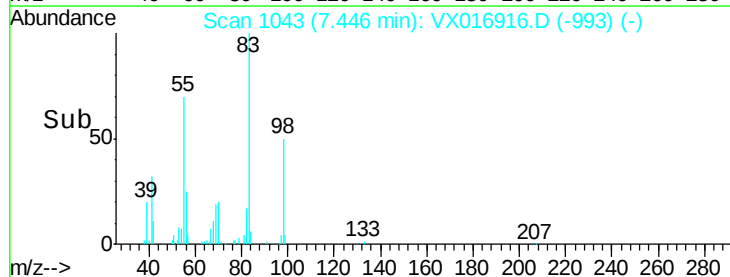
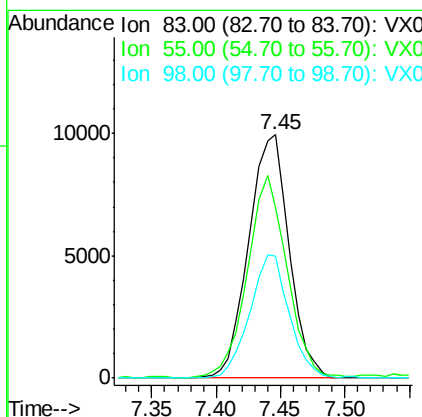
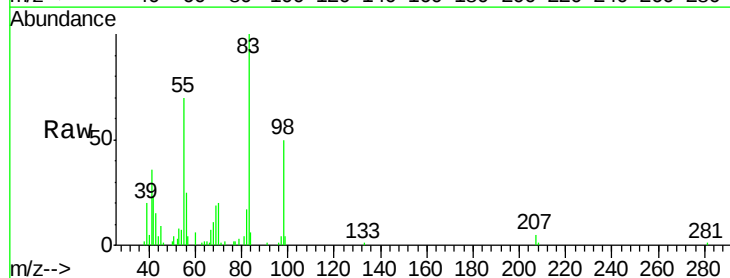
MMDadoda

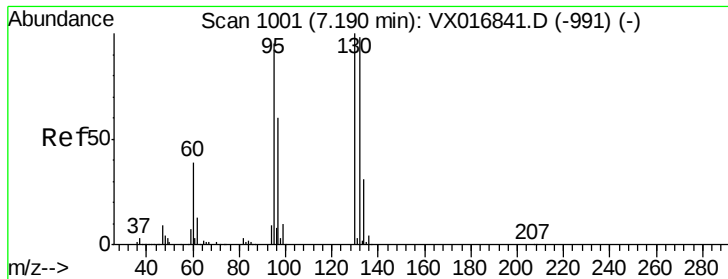
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#39
Methylcyclohexane
Concen: 3.570 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	21630		
55	70.3	61.7	92.5	
98	49.9	39.0	58.6	





#44

Trichloroethene

Concen: 0.455 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

Instrument :

MSVOA_X

ClientSampled :

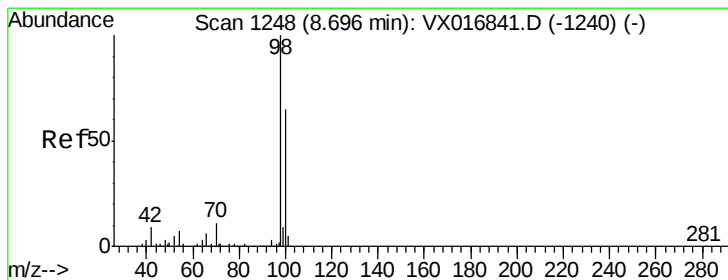
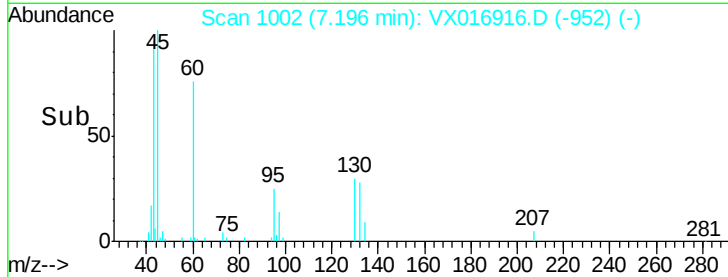
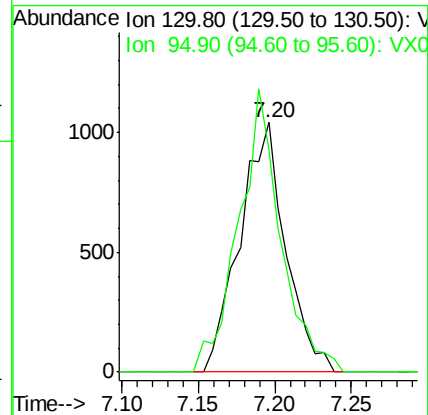
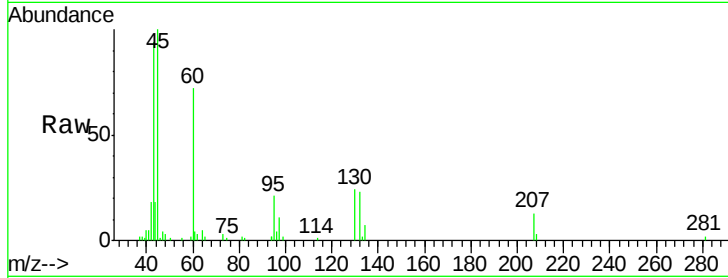
MW-4

Tgt Ion: 130 Resp: 2178
 Ion Ratio Lower Upper
 130 100
 95 88.9 0.0 190.8

Manual Integrations
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#50

Toluene-d8

Concen: 40.335 ug/l

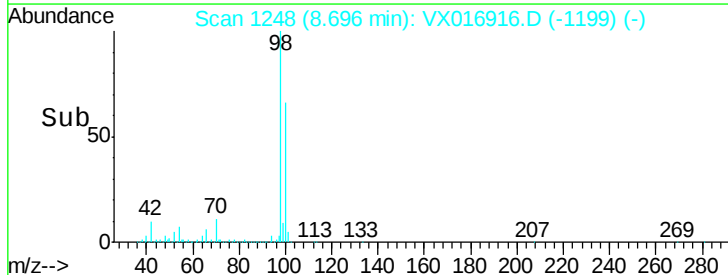
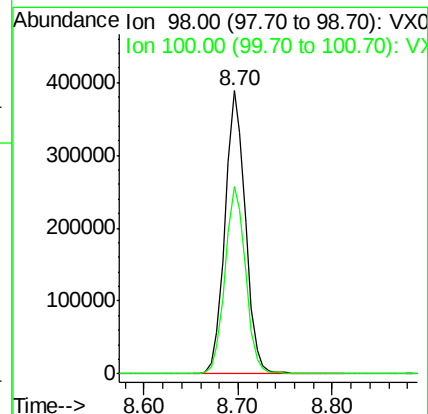
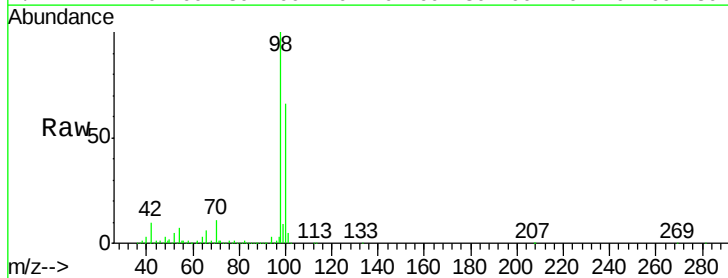
RT: 8.70 min Scan# 1248

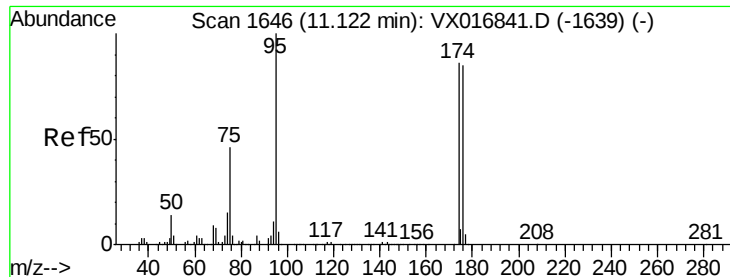
Delta R.T. -0.00 min

Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

Tgt Ion: 98 Resp: 582521
 Ion Ratio Lower Upper
 98 100
 100 67.1 54.0 81.0





#62
4-Bromofluorobenzene
Concen: 45.171 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

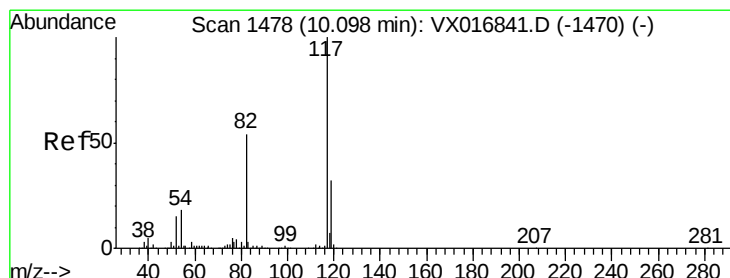
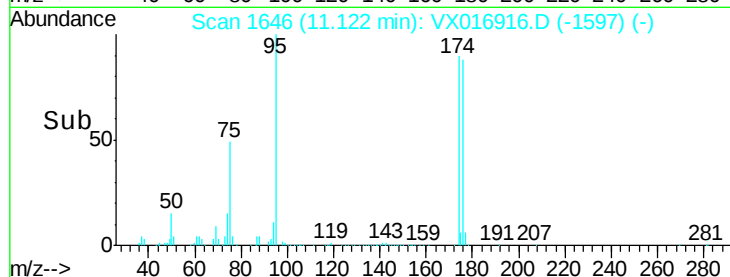
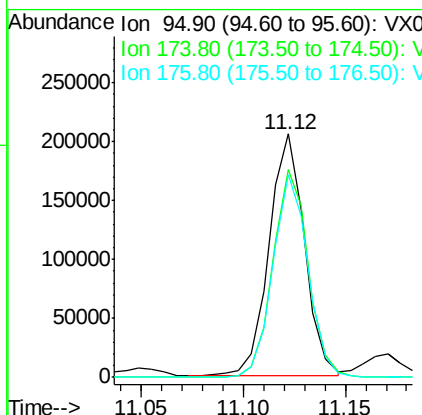
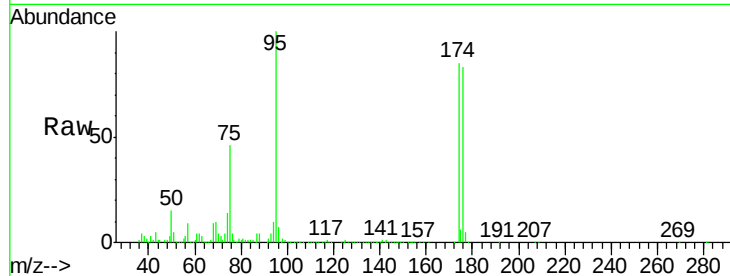
Instrument :
MSVOA_X
ClientSampled :
MW-4

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	249945		
174	85.0	0.0	174.2	
176	82.4	0.0	170.0	

Manual Integrations
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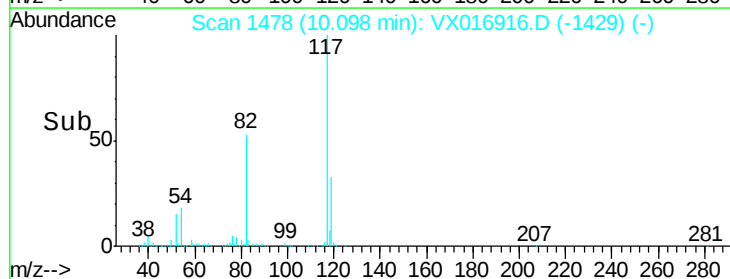
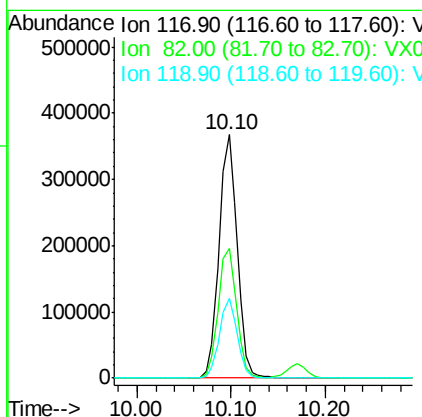
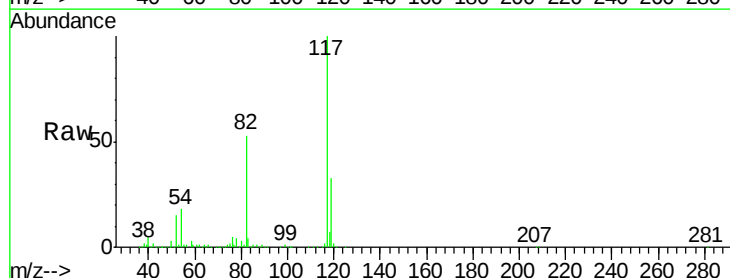
MMDadoda

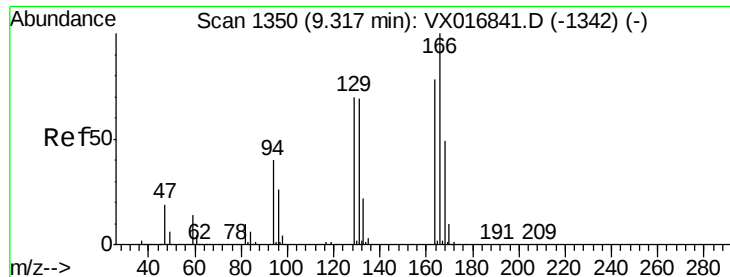
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	491919		
82	53.0	43.4	65.0	
119	32.7	25.7	38.5	





#64
Tetrachloroethene
Concen: 0.840 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

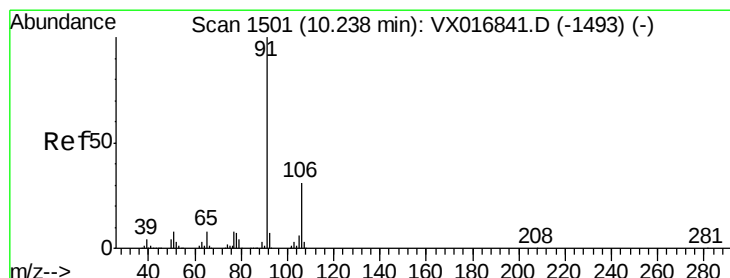
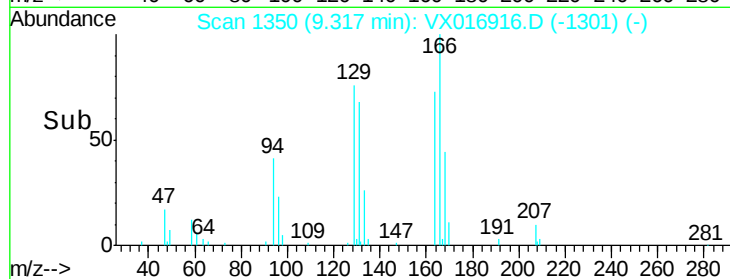
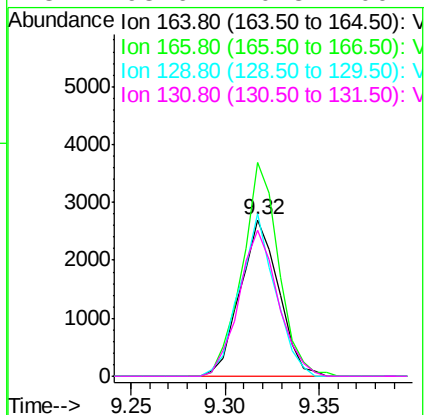
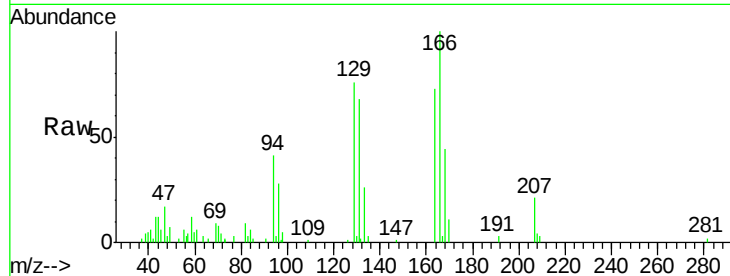
Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion:	164	Resp:	3827
Ion	Ratio	Lower	Upper
164	100		
166	136.6	102.6	153.8
129	103.7	72.2	108.2
131	93.6	70.8	106.2

Manual Integrations
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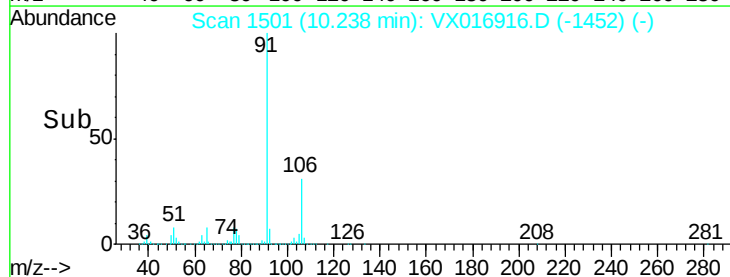
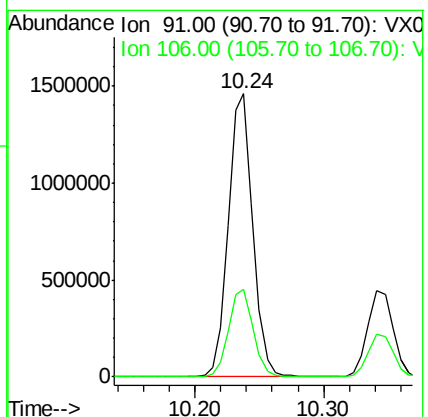
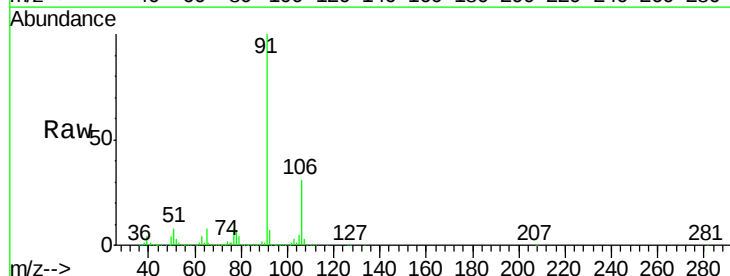
MMDadoda

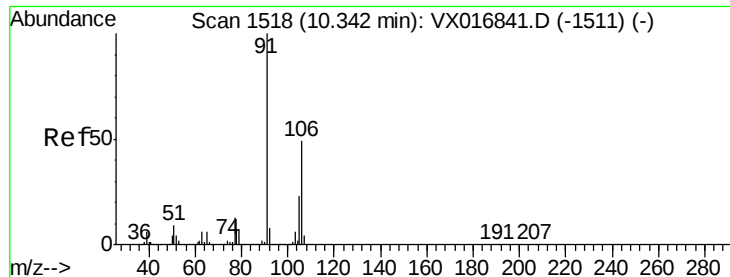
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#67
Ethyl Benzene
Concen: 115.583 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

Tgt Ion:	91	Resp:	1942607
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.1	37.7





#68
m/p-Xylenes
Concen: 45.888 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

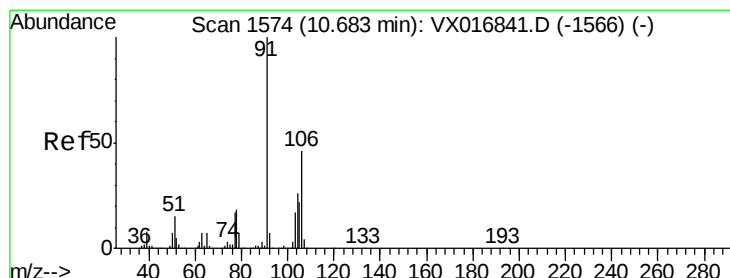
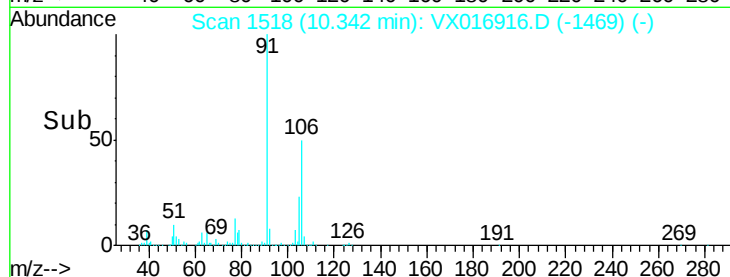
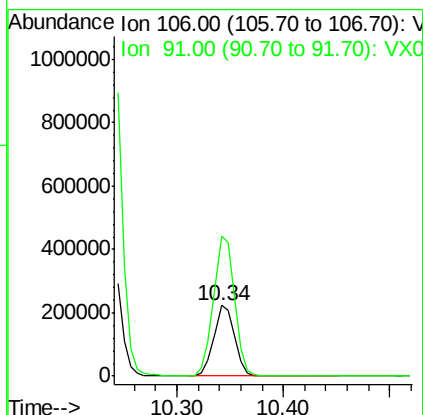
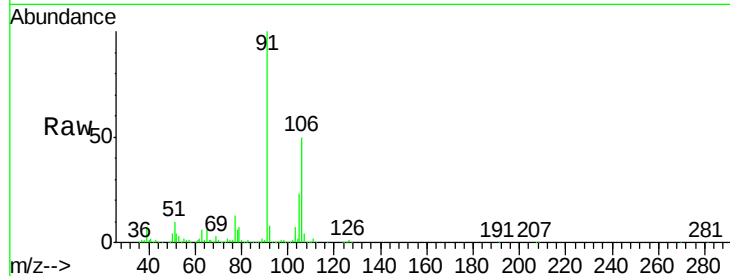
Instrument :
MSVOA_X
ClientSampled :
MW-4

Tgt Ion:106 Resp: 300118
Ion Ratio Lower Upper
106 100
91 201.7 161.5 242.3

Manual Integrations
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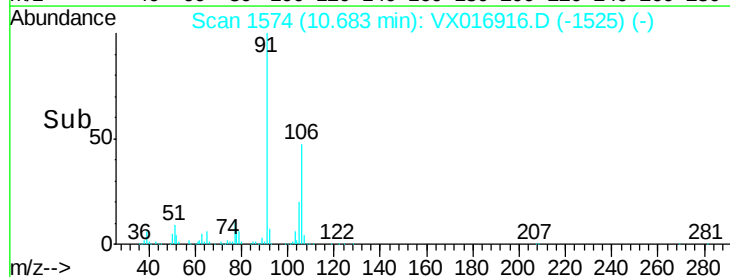
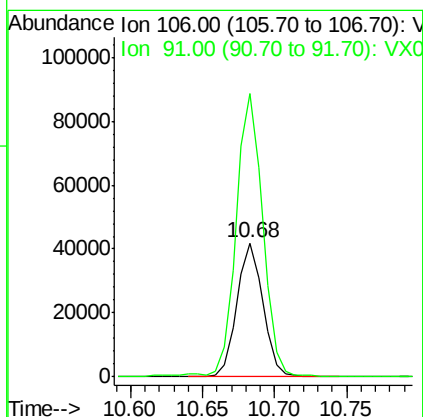
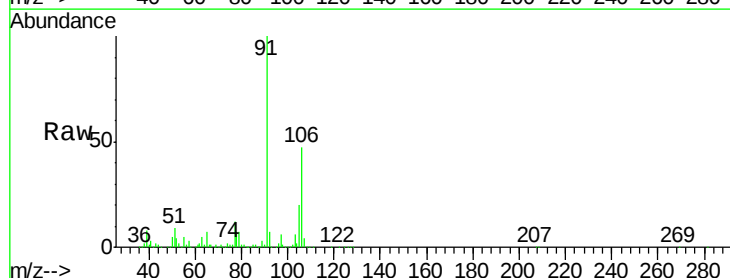
MMDadoda

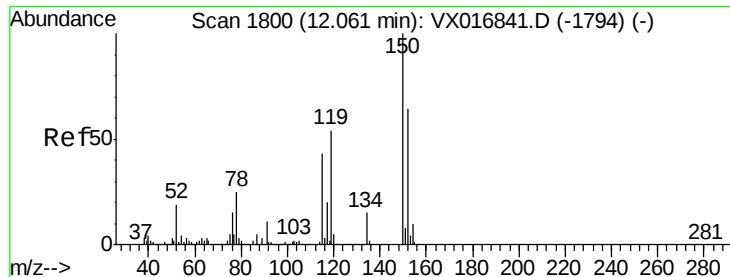
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#69
o-Xylene
Concen: 8.735 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

Tgt Ion:106 Resp: 52822
Ion Ratio Lower Upper
106 100
91 217.3 107.9 323.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

Instrument :

MSVOA_X

ClientSampled :

MW-4

Tgt Ion:152 Resp: 296440
Ion Ratio Lower Upper

152 100

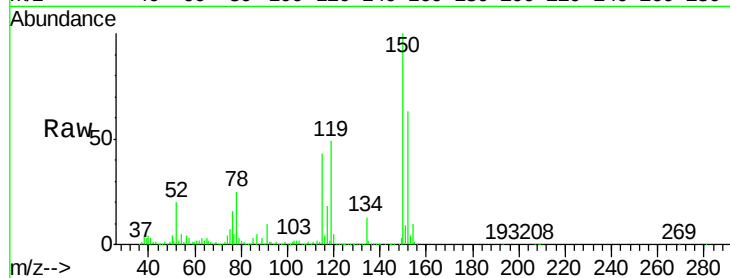
115 70.3 40.9 122.8

150 157.2 0.0 344.2

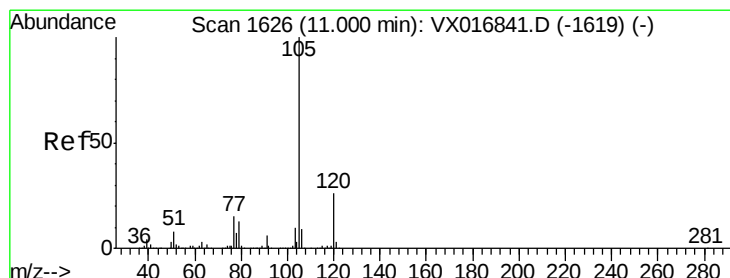
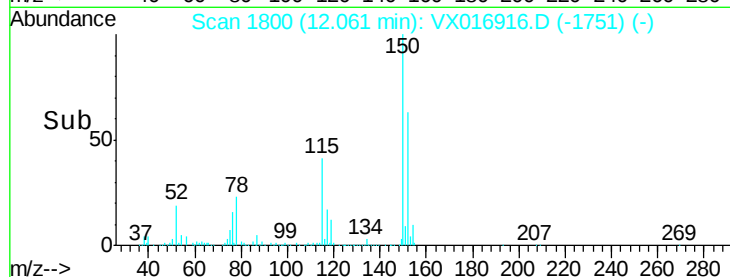
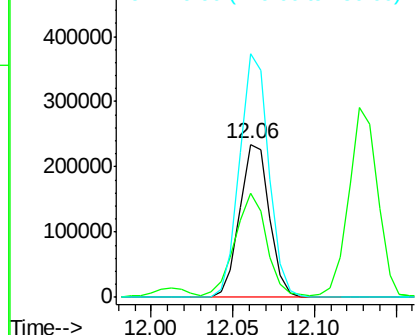
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 111.041 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

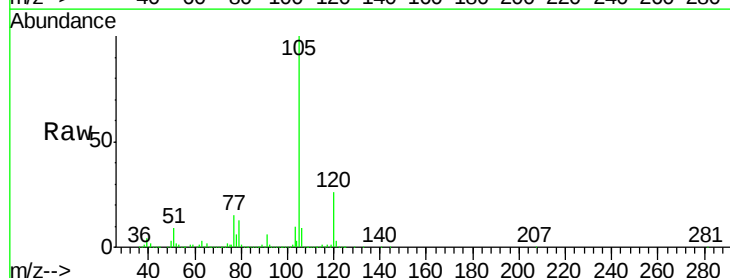
Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

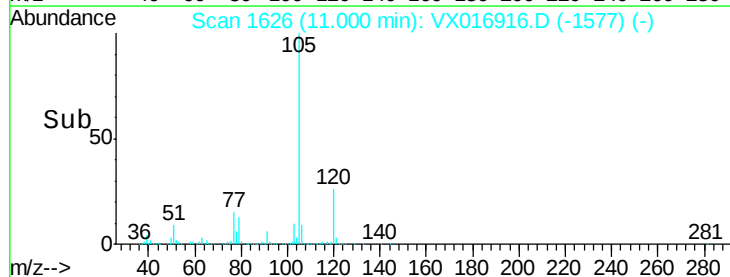
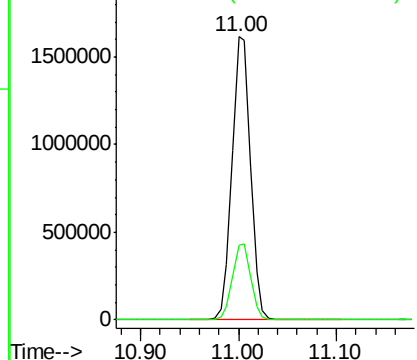
Tgt Ion:105 Resp: 2119372
Ion Ratio Lower Upper

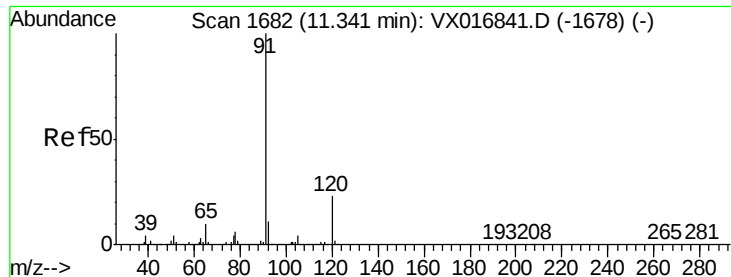
105 100

120 26.6 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: 172.852 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tgt Ion: 91 Resp: 3681897

Ion Ratio Lower Upper

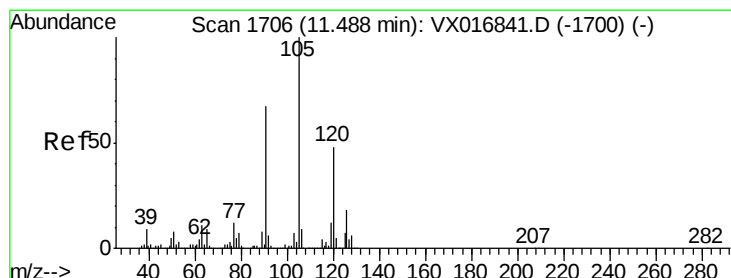
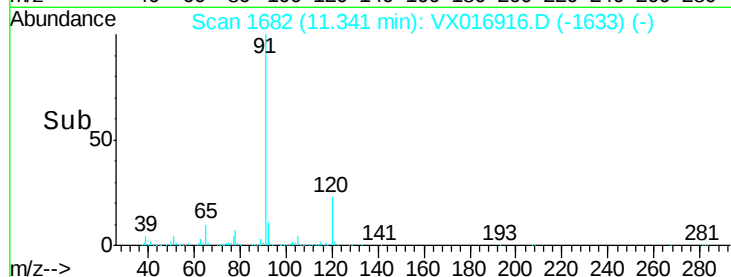
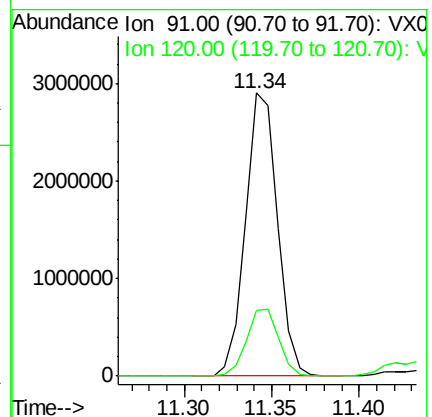
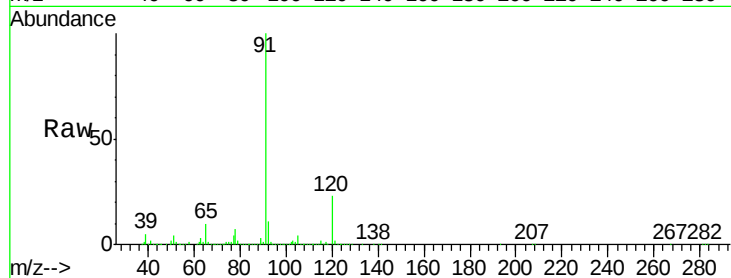
91 100

120 23.8 11.9 35.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 42.147 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016916.D

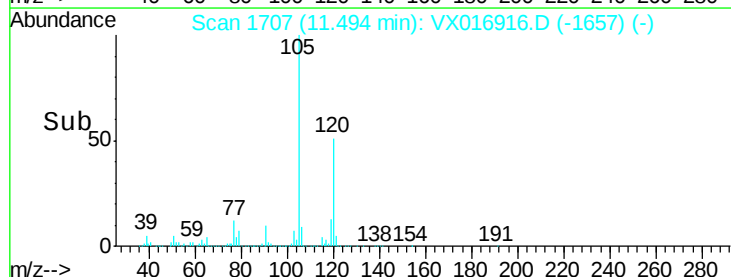
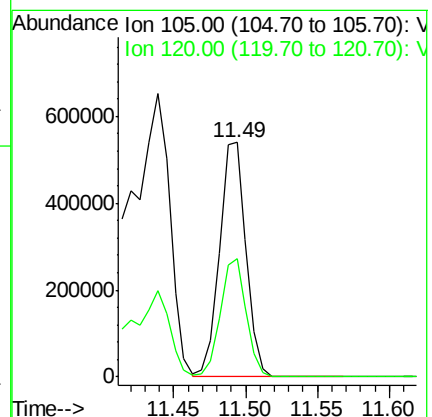
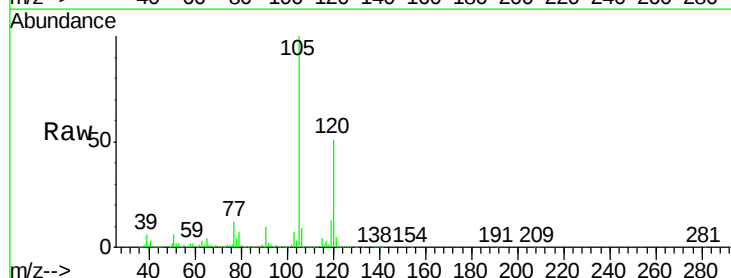
Acq: 20 Jun 2020 08:09

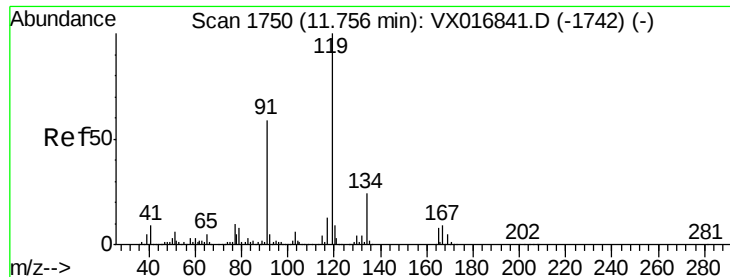
Tgt Ion: 105 Resp: 694071

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#83
tert-Butylbenzene
Concen: 14.497 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

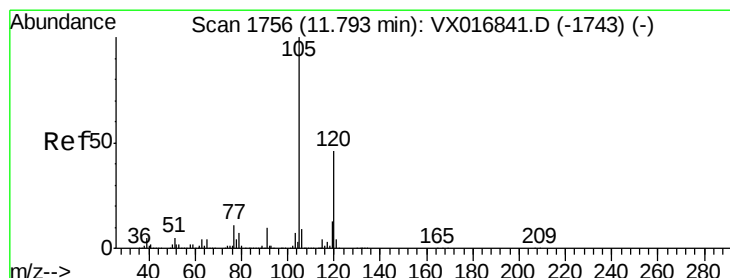
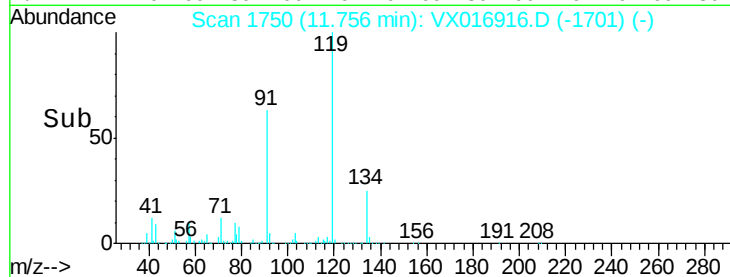
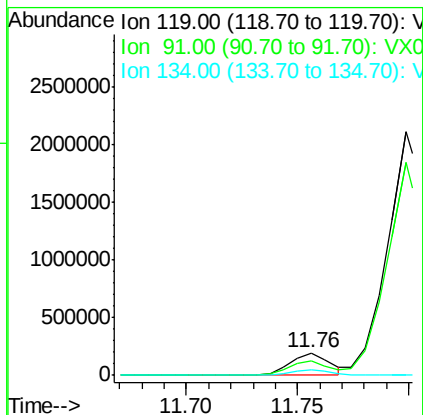
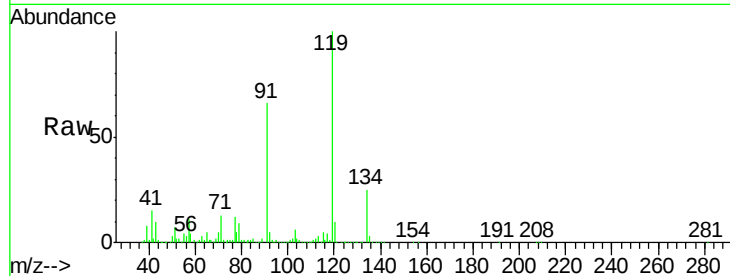
Instrument :
MSVOA_X
ClientSampled :
MW-4

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.6	28.5	85.5
134	26.1	11.7	35.1

Manual Integrations
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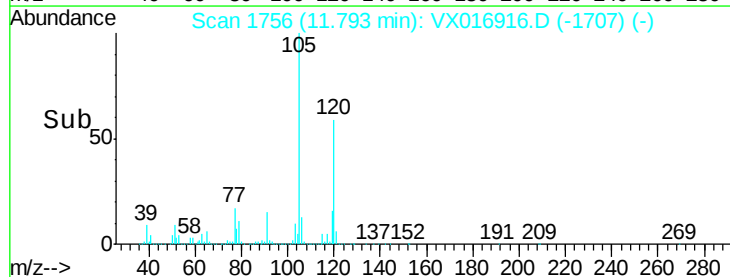
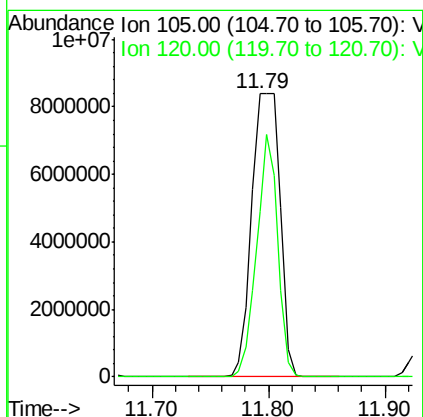
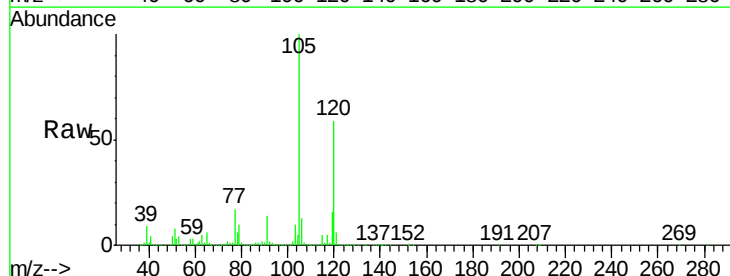
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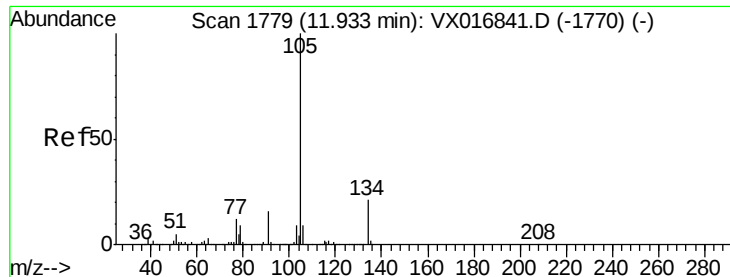
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#84
1,2,4-Trimethylbenzene
Concen: 844.758 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	63.3	22.3	66.9





#85
 sec-Butylbenzene
 Concen: 63.838 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016916.D
 Acq: 20 Jun 2020 08:09

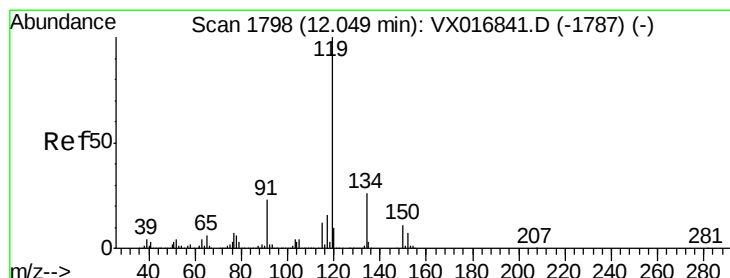
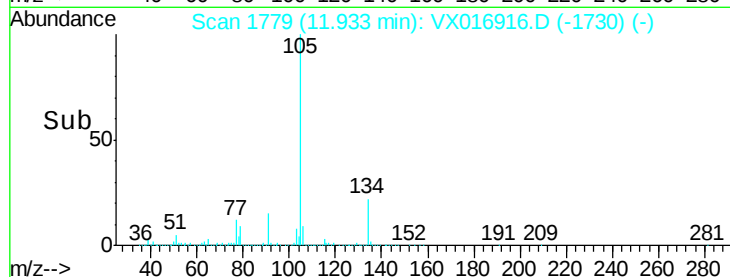
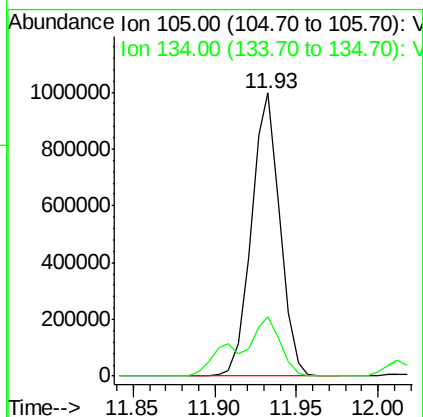
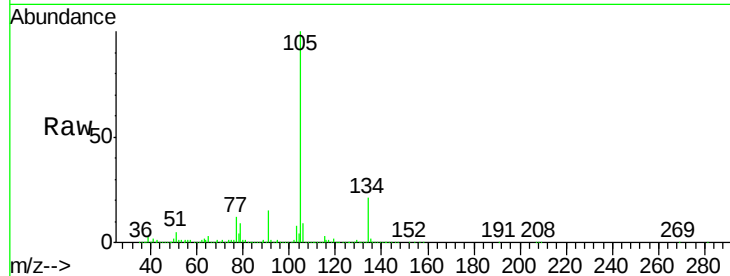
Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

Tgt Ion:105 Resp: 1208019
 Ion Ratio Lower Upper
 105 100
 134 31.5 10.4 31.2#

Manual Integrations
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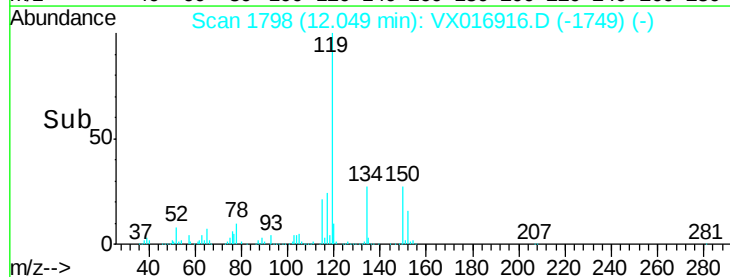
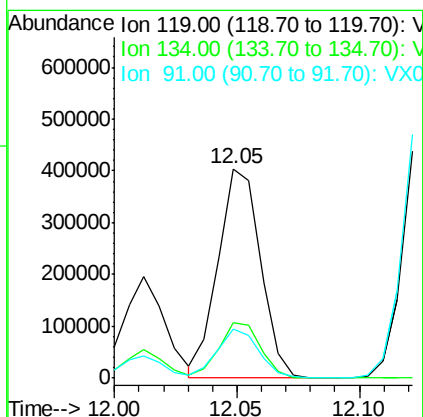
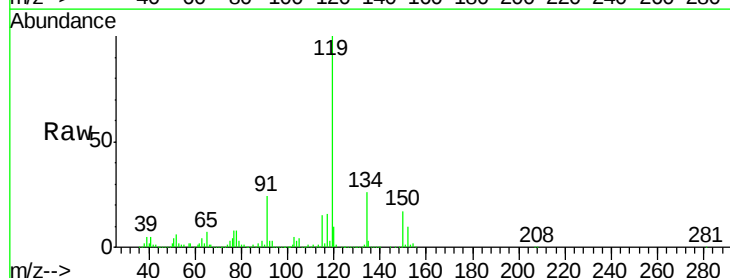
MMDadoda

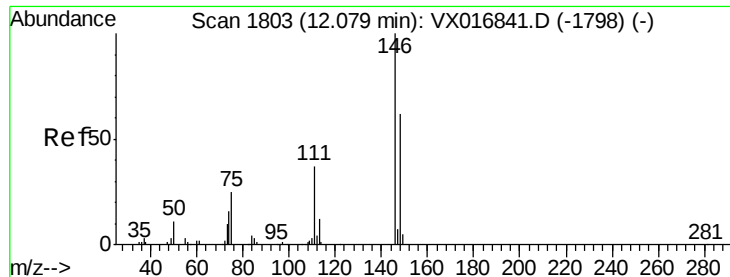
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#86
 p-Isopropyltoluene
 Concen: 28.103 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016916.D
 Acq: 20 Jun 2020 08:09

Tgt Ion:119 Resp: 487252
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.9 38.7
 91 22.7 11.6 34.8





#88

1,4-Dichlorobenzene

Concen: 0.667 ug/l

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

Instrument :

MSVOA_X

ClientSampled :

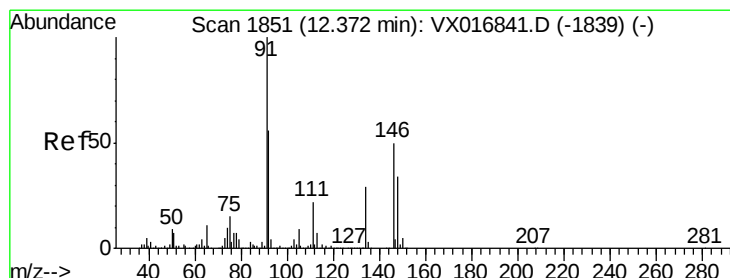
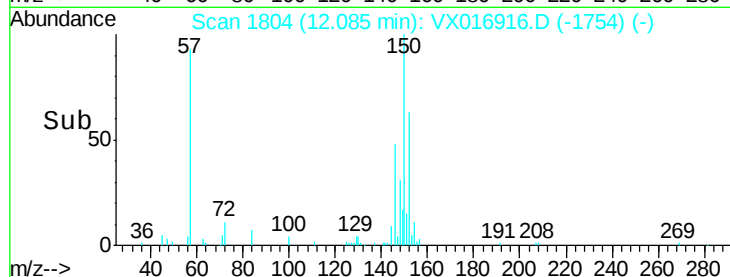
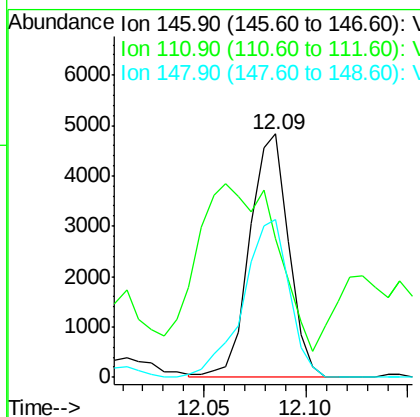
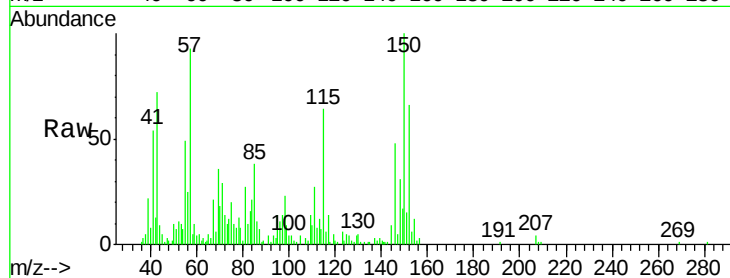
MW-4

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.0	57.0#
148	77.1	31.6	95.0

Manual Integrations
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#89

n-Butylbenzene

Concen: 29.195 ug/l m

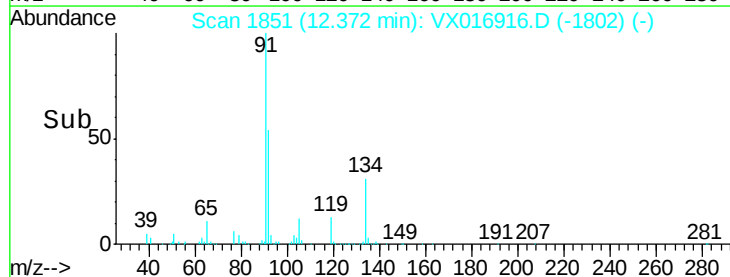
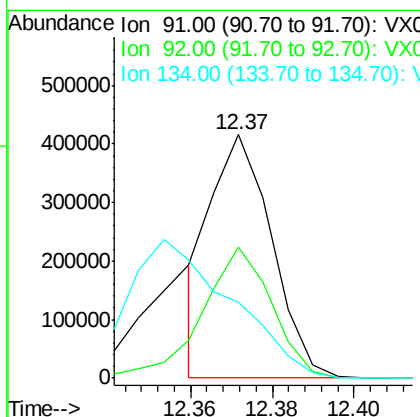
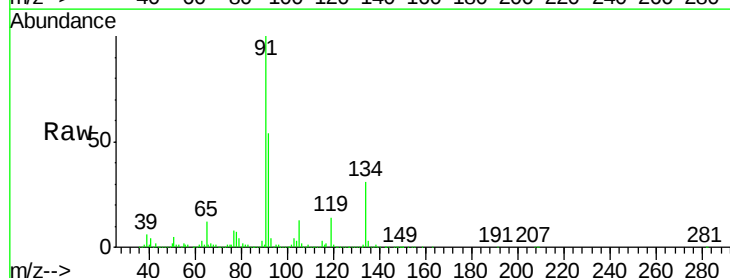
RT: 12.37 min Scan# 1851

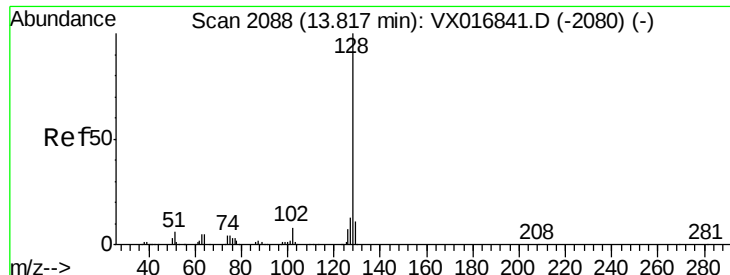
Delta R.T. 0.00 min

Lab File: VX016916.D

Acq: 20 Jun 2020 08:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.6	27.4	82.2
134	96.0	13.9	41.6#





#95
Naphthalene
Concen: 83.261 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016916.D
Acq: 20 Jun 2020 08:09

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
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