

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019056.D
 Acq On : 23 Oct 2020 03:12
 Operator : JC/SP
 Sample : L4417-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 1:20:20 PM

Quant Time: Oct 23 09:38:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	300103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	520103	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	536303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	294993	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	177493	49.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.76%	
35) Dibromofluoromethane	5.47	113	161295	48.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.96%	
50) Toluene-d8	8.70	98	656037	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.12	95	264263	59.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.24%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	1836767	2522.845	ug/l	100
16) Acetone	2.42	43	59045	48.223	ug/l	99
17) Carbon Disulfide	2.55	76	2112	0.251	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	1045309	112.974	ug/l #	53
25) 2-Butanone	4.64	43	25798	13.335	ug/l	98
31) Cyclohexane	5.55	56	568013	134.932	ug/l	95
39) Methylcyclohexane	7.44	83	306764	58.671	ug/l	96
40) Benzene	6.12	78	10855296	789.793	ug/l	98
52) Toluene	8.77	92	28510408m	3140.567	ug/l	
67) Ethyl Benzene	10.24	91	19466170	1003.871	ug/l #	36
68) m/p-Xylenes	10.35	106	15596849	2099.723	ug/l #	52
69) o-Xylene	10.69	106	6221542	875.144	ug/l	83
73) Isopropylbenzene	11.01	105	6686494	315.087	ug/l	94
78) n-propylbenzene	11.35	91	8383206	348.628	ug/l	93
80) 1,3,5-Trimethylbenzene	11.49	105	4914566	280.445	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	12920529	736.310	ug/l	77
85) sec-Butylbenzene	11.93	105	231361m	11.075	ug/l	
86) p-Isopropyltoluene	12.05	119	53009m	2.777	ug/l	
89) n-Butylbenzene	12.37	91	410113m	23.473	ug/l	
95) Naphthalene	13.82	128	8318366	394.232	ug/l	97

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

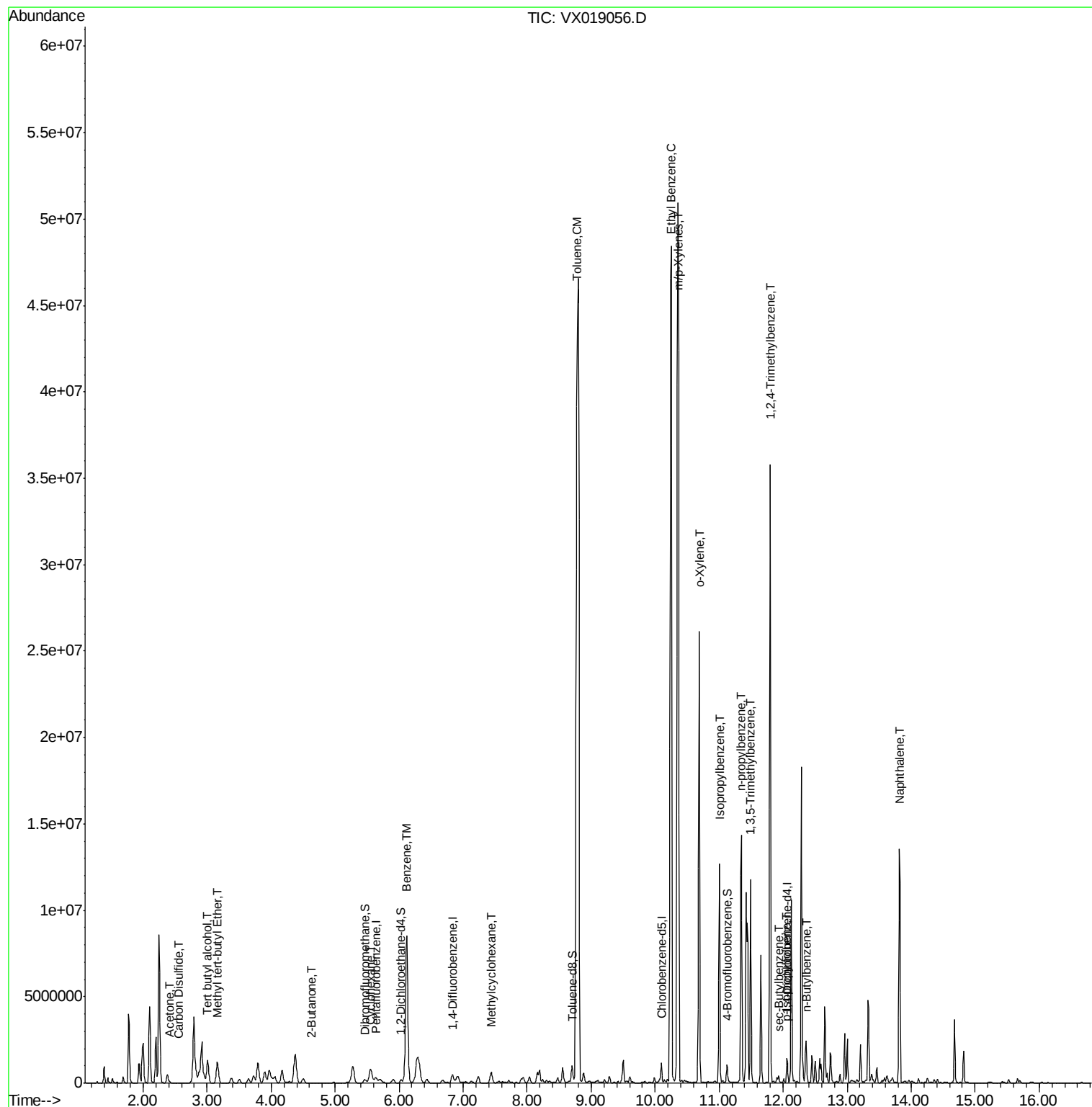
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102220\
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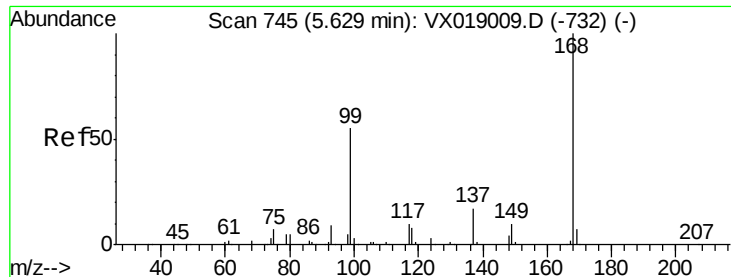
Instrument :
MSVOA_X
ClientSampleId :
MW-1

Manual Integrations
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10/23/2020 1:20:20 PM

Quant Time: Oct 23 09:38:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019056.D

Acq: 23 Oct 2020 03:12

Instrument :

MSVOA_X

ClientSampled :

MW-1

Tot Ion:168 Resp: 300103

Ion Ratio Lower Upper

168 100

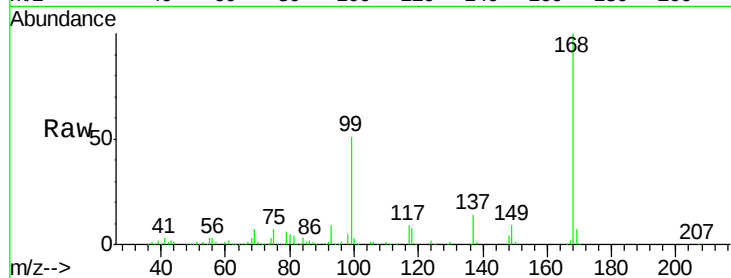
99 50.9 44.2 66.2

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

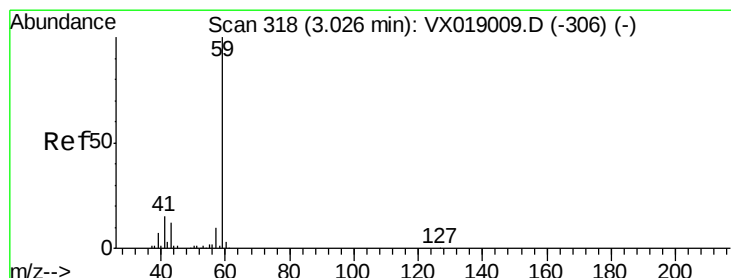
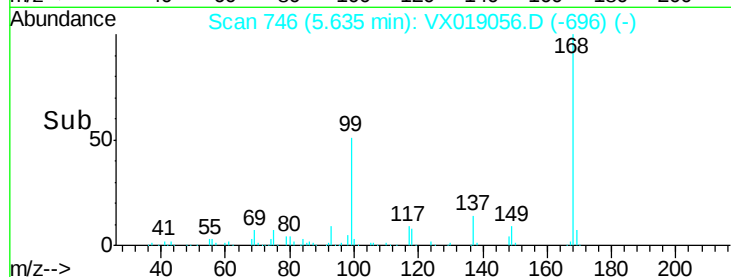
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2522.845 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.02 min

Lab File: VX019056.D

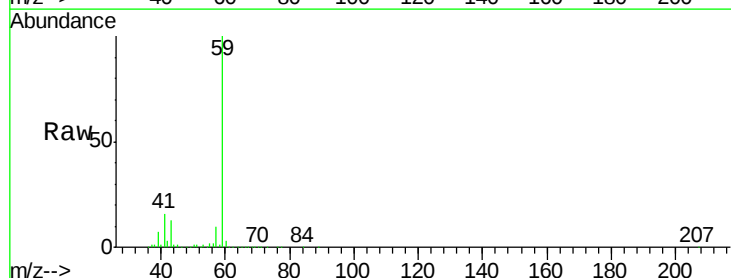
Acq: 23 Oct 2020 03:12

Tgt Ion: 59 Resp: 1836767

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

800000

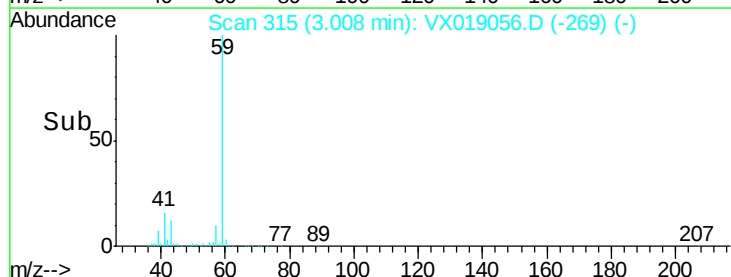
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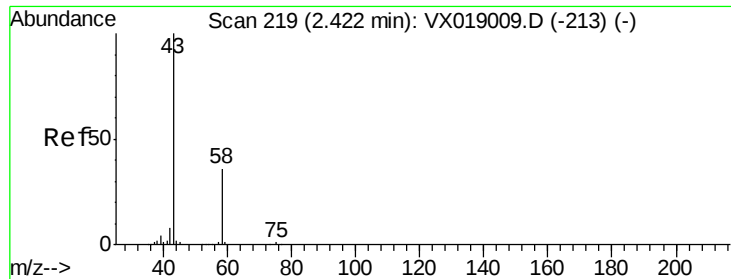
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200000

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Time-->





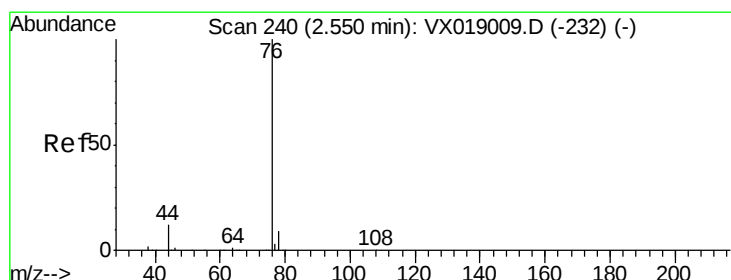
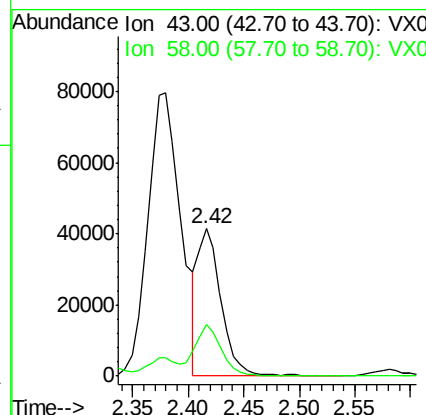
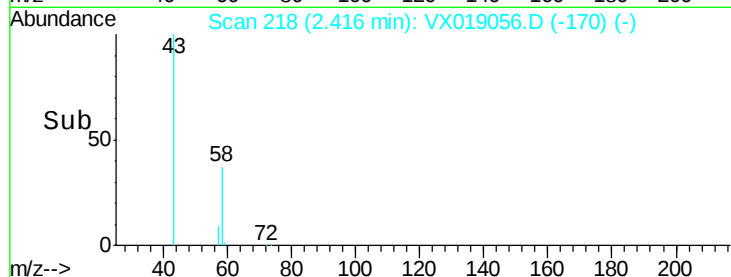
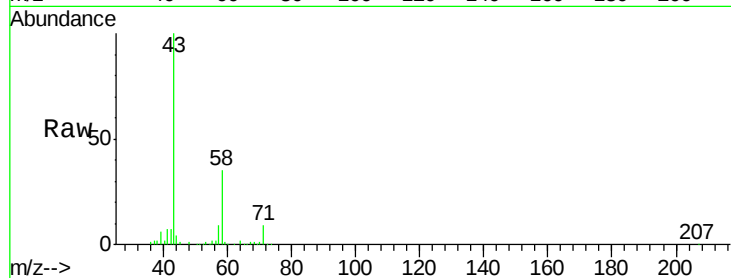
#16
Acetone
Concen: 48.223 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX019056.D
Acq: 23 Oct 2020 03:12

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tot Ion: 43 Resp: 59045
Ion Ratio Lower Upper
43 100
58 35.3 28.6 42.8

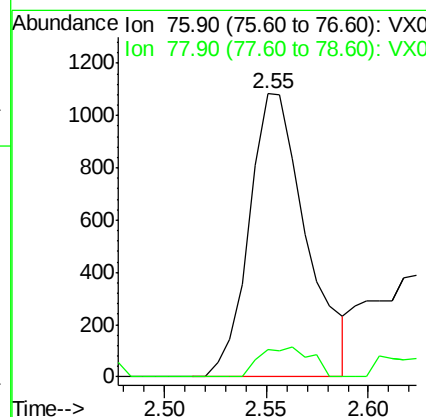
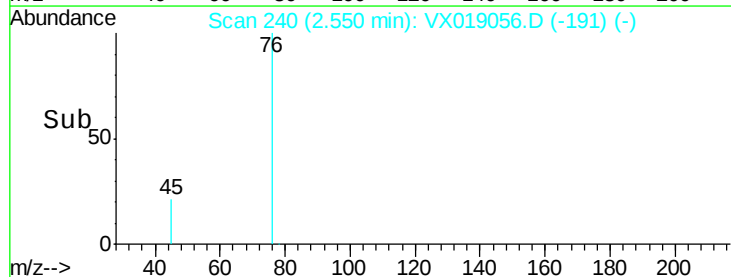
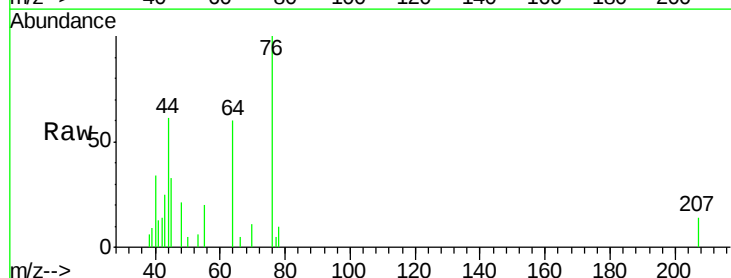
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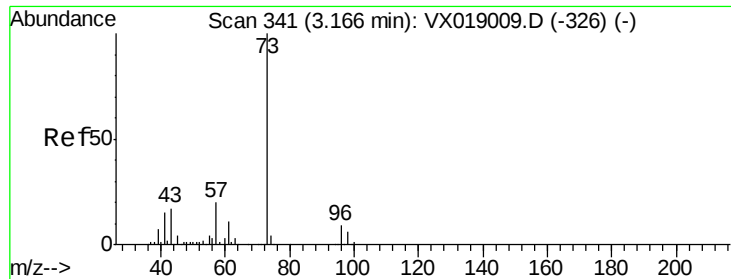
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#17
Carbon Disulfide
Concen: 0.251 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019056.D
Acq: 23 Oct 2020 03:12

Tgt Ion: 76 Resp: 2112
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7





#19

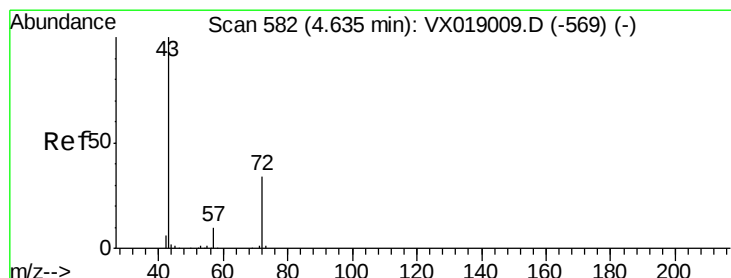
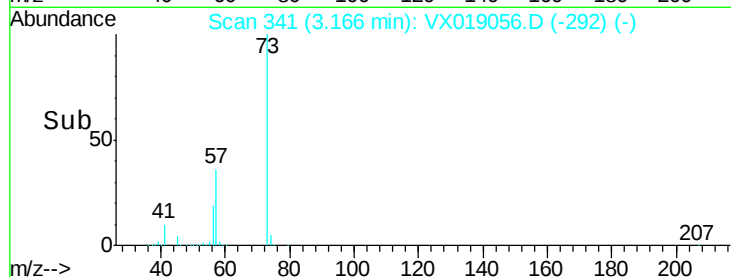
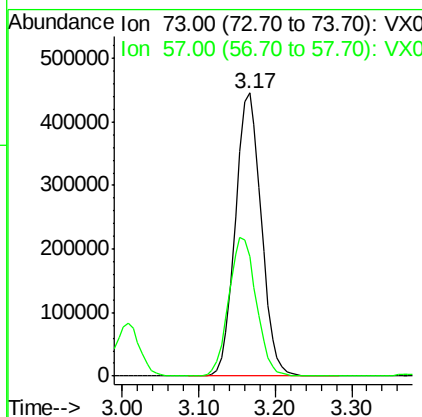
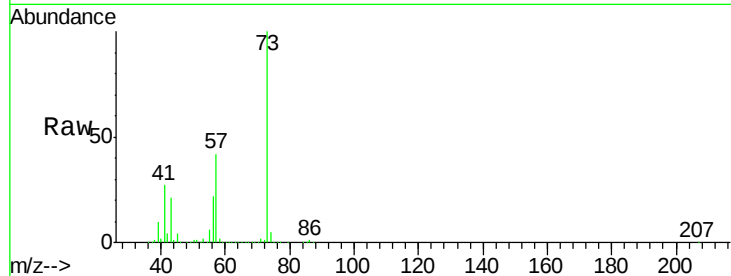
Methvl tert-butvl Ether
 Concen: 112.974 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX019056.D
 Acq: 23 Oct 2020 03:12

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

Tot Ion: 73 Resp: 1045309
 Ion Ratio Lower Upper
 73 100
 57 42.1 16.2 24.2#

Manual Integrations
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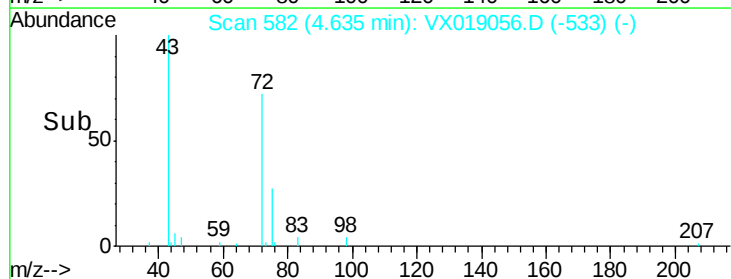
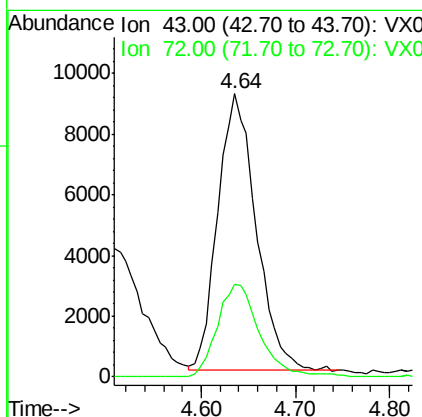
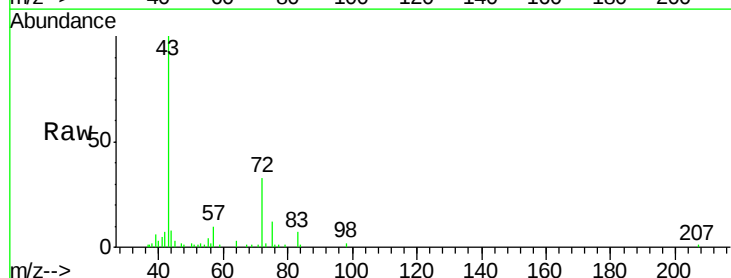
MMDadoda
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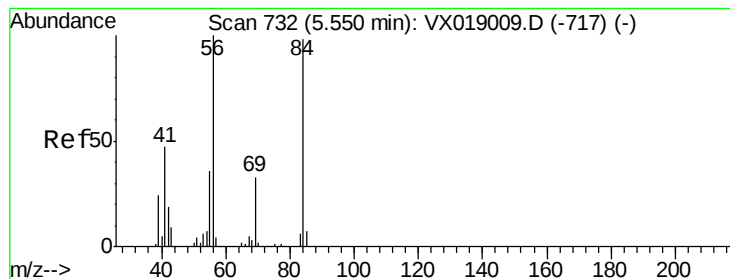


#25

2-Butanone
 Concen: 13.335 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX019056.D
 Acq: 23 Oct 2020 03:12

Tgt Ion: 43 Resp: 25798
 Ion Ratio Lower Upper
 43 100
 72 33.5 27.8 41.6





#31

Cvclohexane

Concen: 134.932 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX019056.D

Acq: 23 Oct 2020 03:12

Instrument :

MSVOA_X

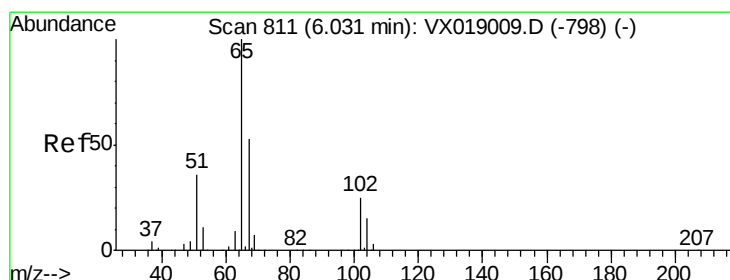
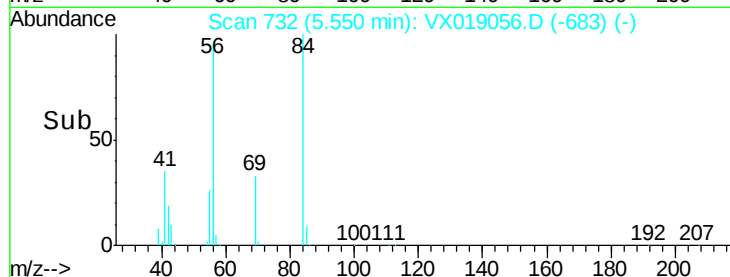
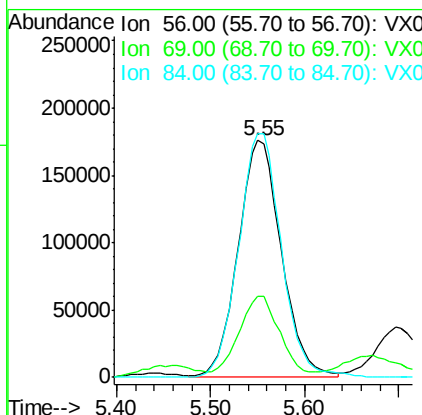
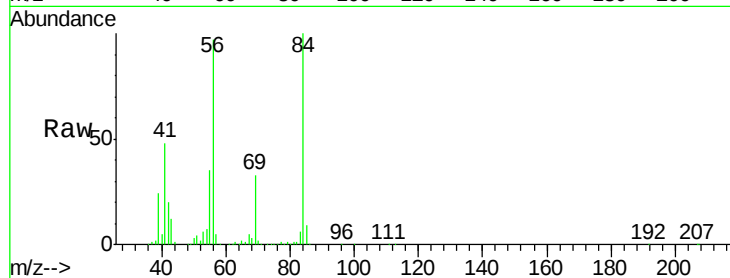
ClientSampleId :

MW-1

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Tot Ion:	56	Resp:	568013
Ion	Ratio	Lower	Upper
56	100		
69	30.4	26.2	39.2
84	103.5	78.3	117.5



#33

1,2-Dichloroethane-d4

Concen: 49.376 ug/l

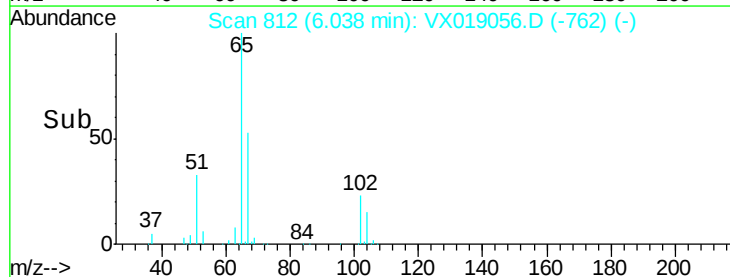
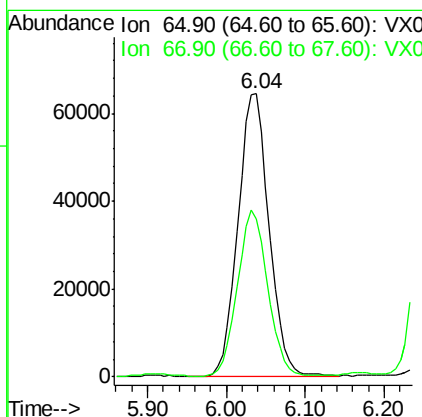
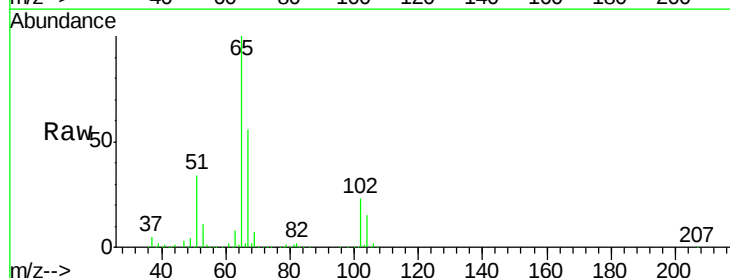
RT: 6.04 min Scan# 812

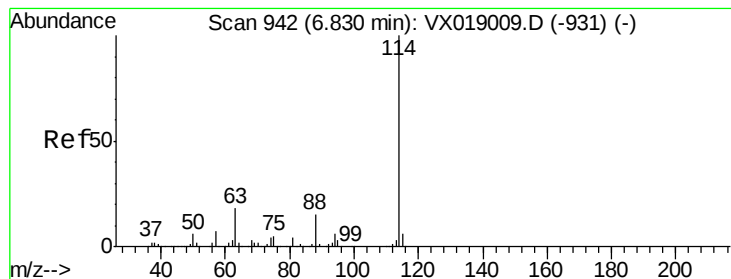
Delta R.T. 0.01 min

Lab File: VX019056.D

Acq: 23 Oct 2020 03:12

Tgt Ion:	65	Resp:	177493
Ion	Ratio	Lower	Upper
65	100		
67	56.9	0.0	107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019056.D

Acq: 23 Oct 2020 03:12

Instrument :

MSVOA_X

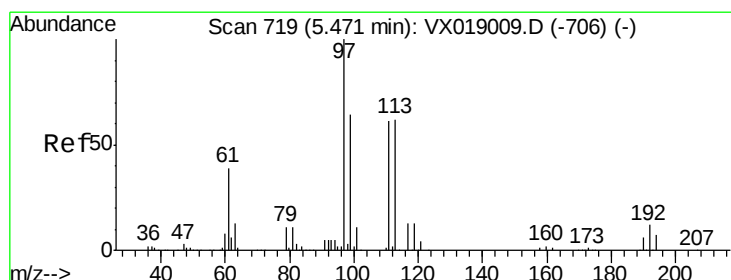
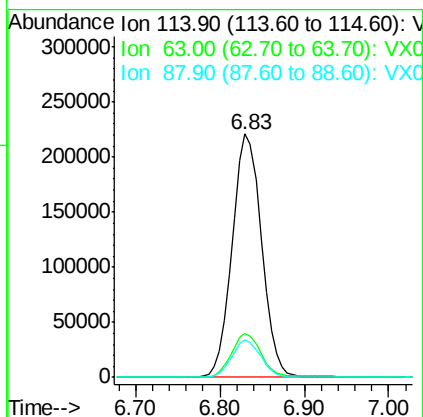
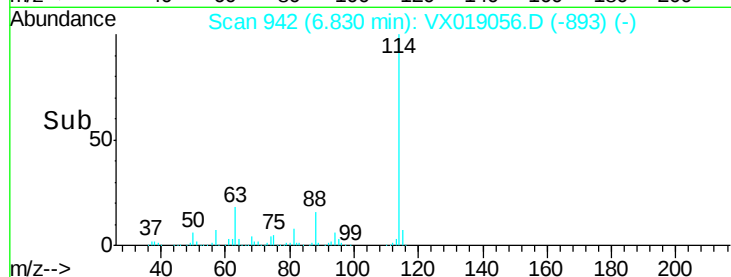
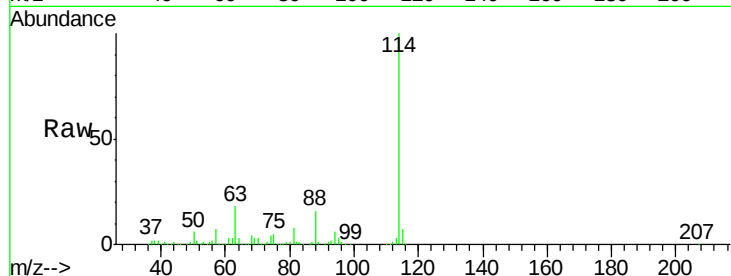
ClientSampled :

MW-1

Tot Ion	Ratio	Resp	Lower	Upper
114	100	520103		
63	17.8		0.0	36.8
88	15.6		0.0	30.2

Manual Integrations
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#35

Dibromofluoromethane

Concen: 48.982 ug/l

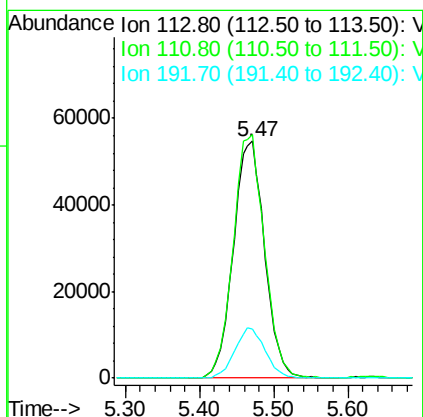
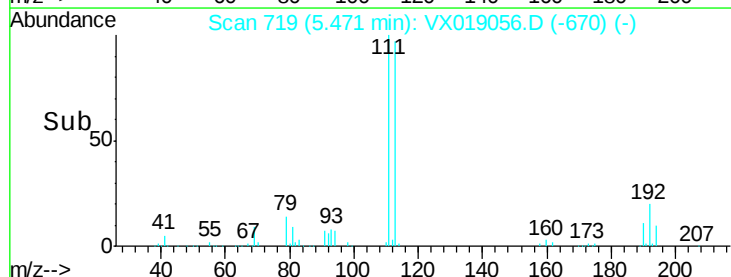
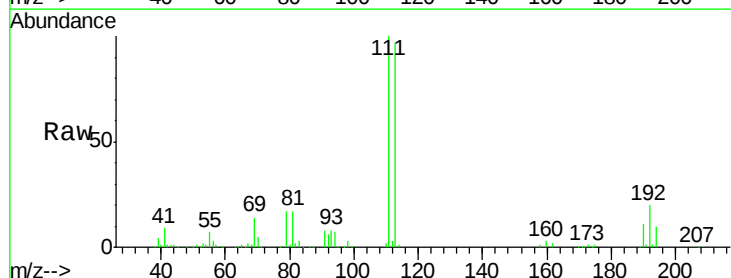
RT: 5.47 min Scan# 719

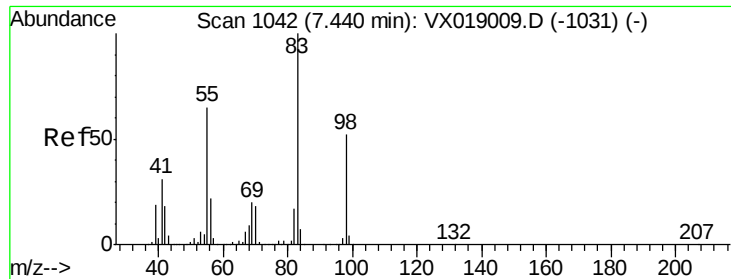
Delta R.T. 0.00 min

Lab File: VX019056.D

Acq: 23 Oct 2020 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	161295		
111	102.6		81.5	122.3
192	20.5		16.3	24.5





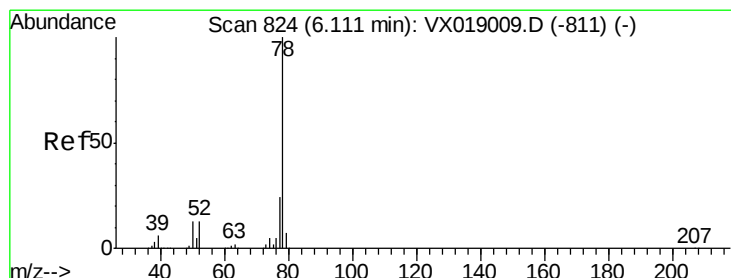
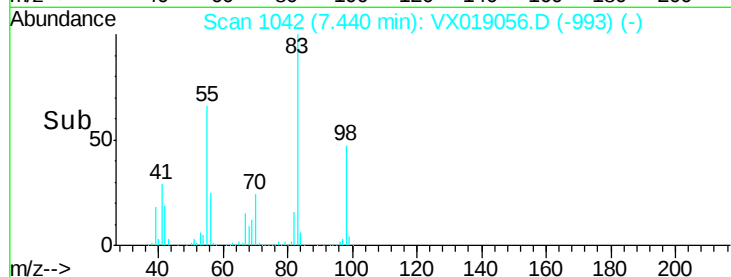
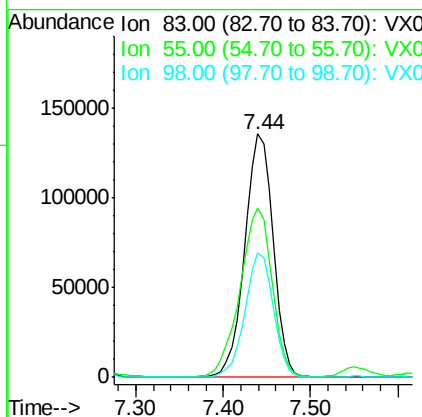
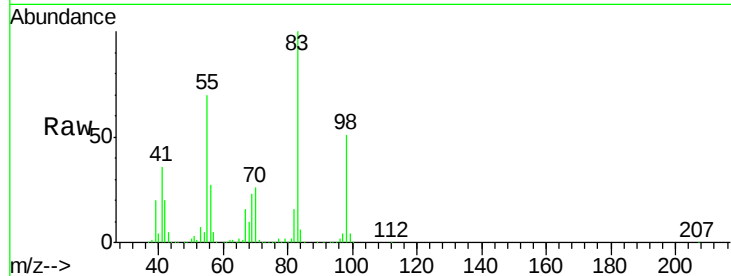
#39
Methvlcvclohexane
Concen: 58.671 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX019056.D
Acq: 23 Oct 2020 03:12

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tot Ion	83	Resp	306764
Ion Ratio	Lower	Upper	
83	100		
55	69.4	51.8	77.6
98	51.1	41.4	62.2

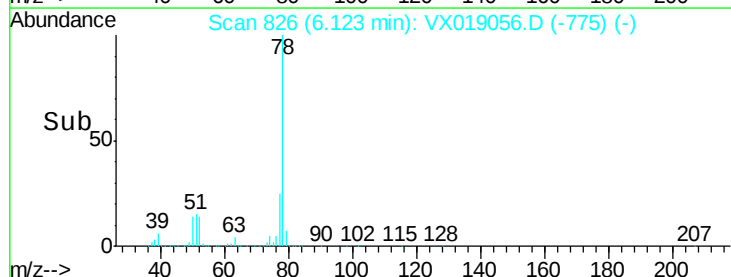
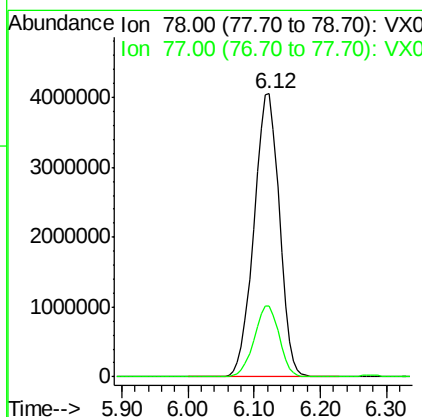
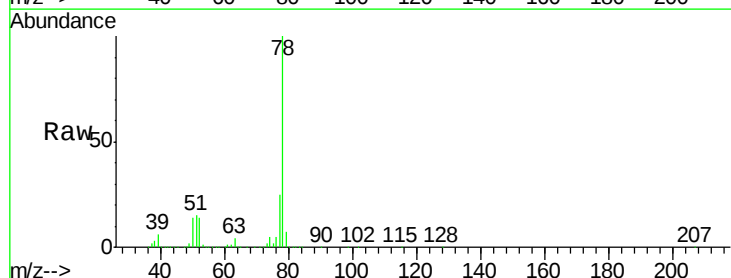
Manual Integrations
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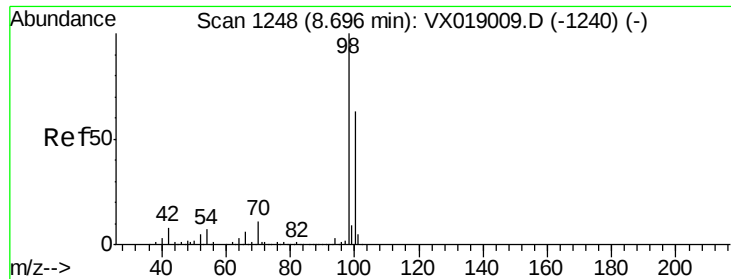
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#40
Benzene
Concen: 789.793 ug/l
RT: 6.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: VX019056.D
Acq: 23 Oct 2020 03:12

Tgt Ion	78	Resp	10855296
Ion Ratio	Lower	Upper	
78	100		
77	25.1	19.3	28.9





#50

Toluene-d8

Concen: 52.208 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX019056.D

Acq: 23 Oct 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tot Ion: 98 Resp: 656037

Ion Ratio Lower Upper

98 100

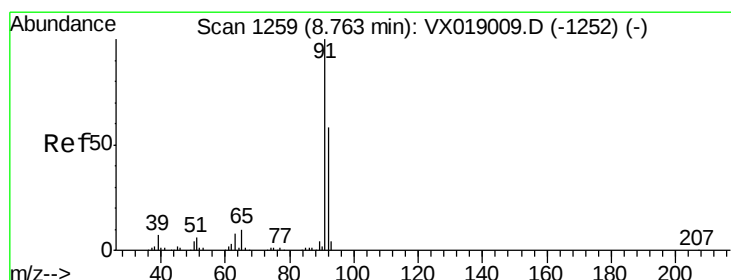
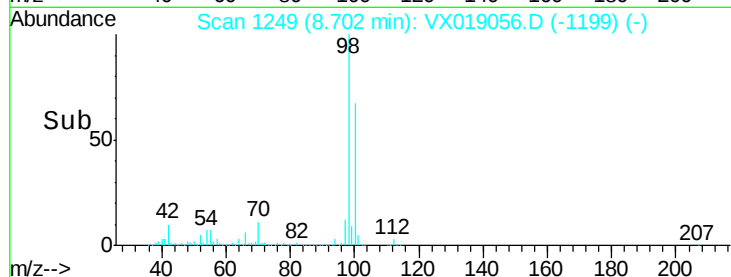
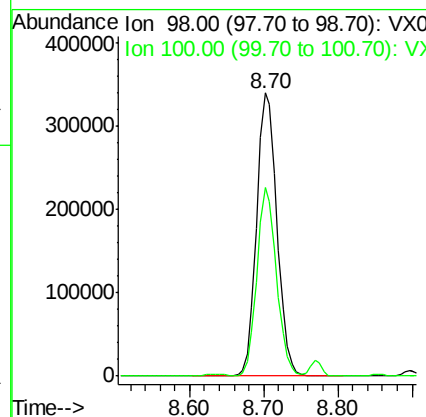
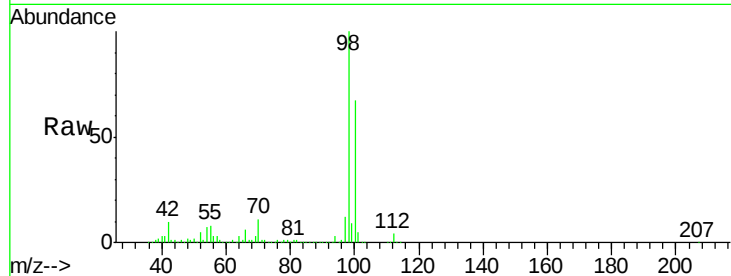
100 63.7 52.1 78.1

Manual Integrations

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MMDadoda

10/23/2020 1:20:20 PM



#52

Toluene

Concen: 3140.567 ug/l m

RT: 8.77 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VX019056.D

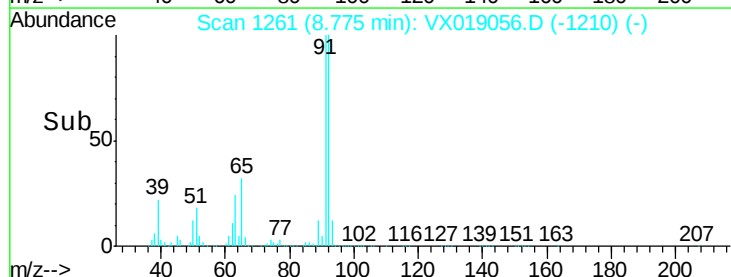
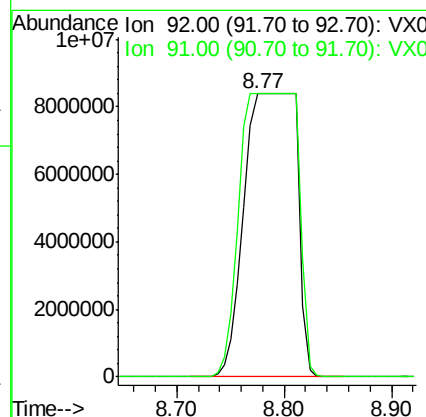
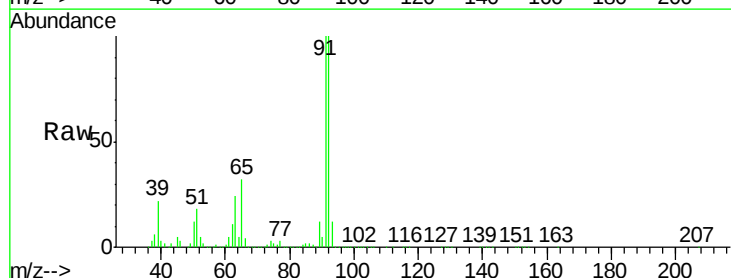
Acq: 23 Oct 2020 03:12

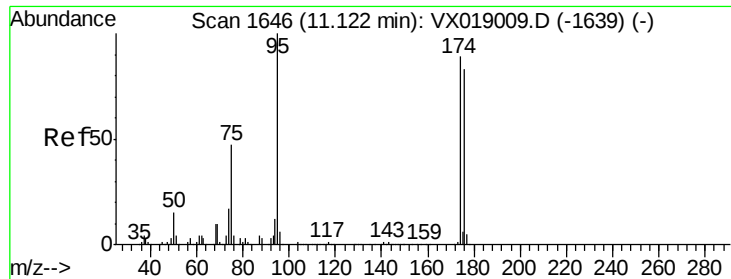
Tgt Ion: 92 Resp: 28510408

Ion Ratio Lower Upper

92 100

91 0.0 138.6 208.0#





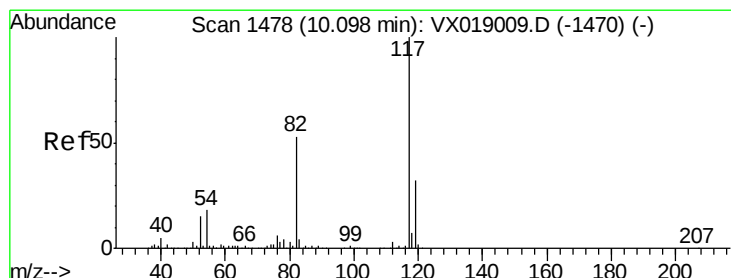
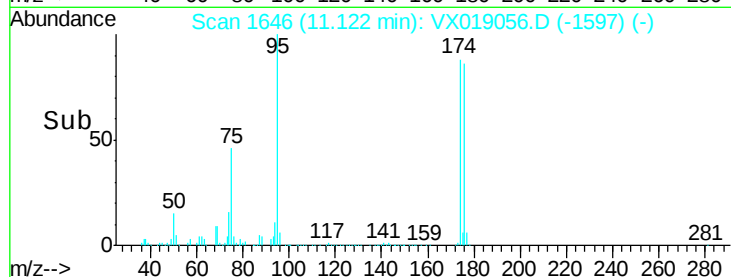
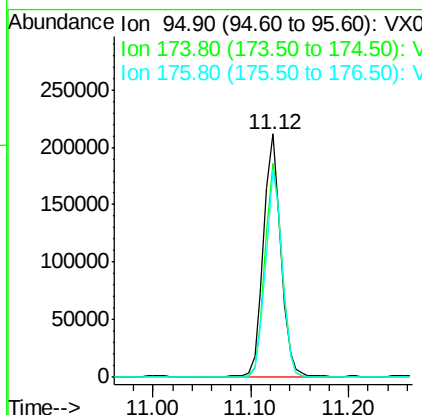
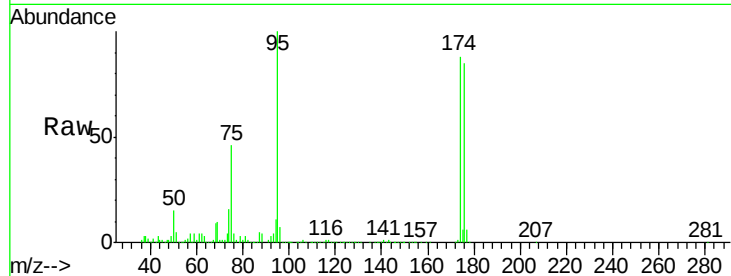
#62
4-Bromofluorobenzene
Concen: 59.122 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019056.D
Acq: 23 Oct 2020 03:12

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	264263		
174	85.7	0.0	167.6	
176	80.9	0.0	165.2	

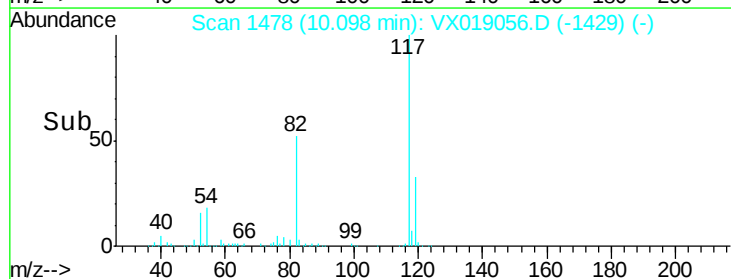
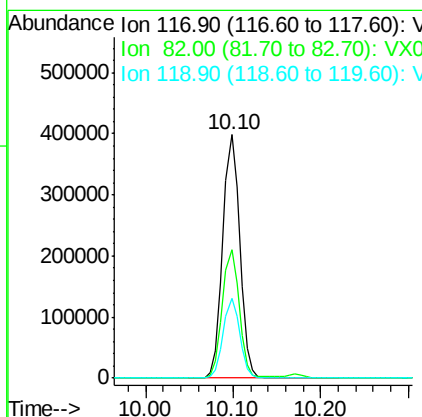
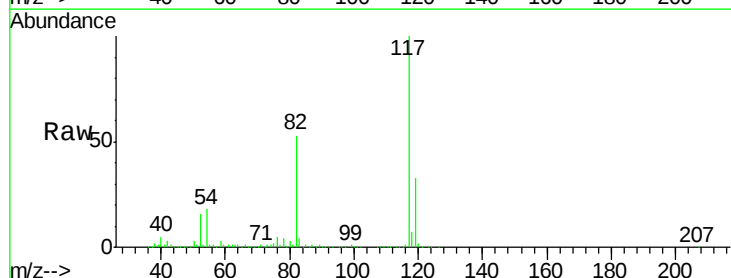
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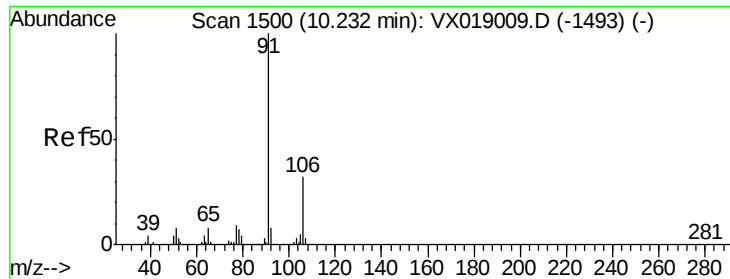
MMDadoda
10/23/2020 1:20:20 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019056.D
Acq: 23 Oct 2020 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	536303		
82	52.7	42.4	63.6	
119	33.0	25.6	38.4	





#67

Ethyl Benzene

Concen: 1003.871 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019056.D

Acq: 23 Oct 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tot Ion: 91 Resp:19466170

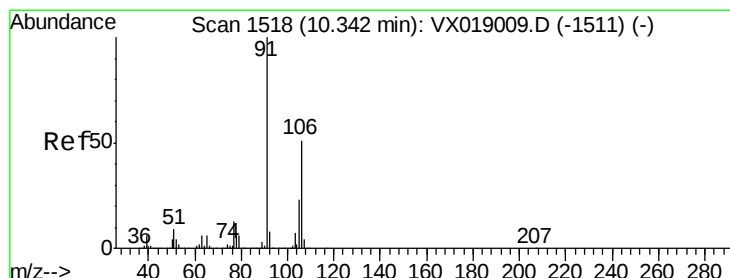
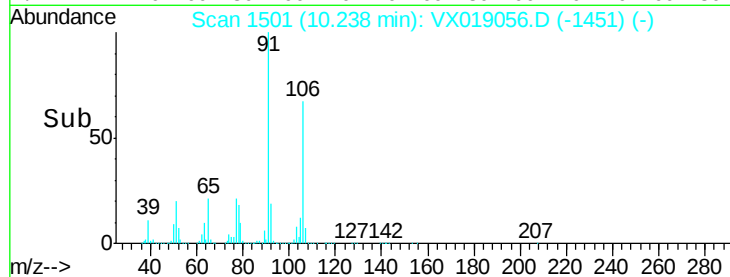
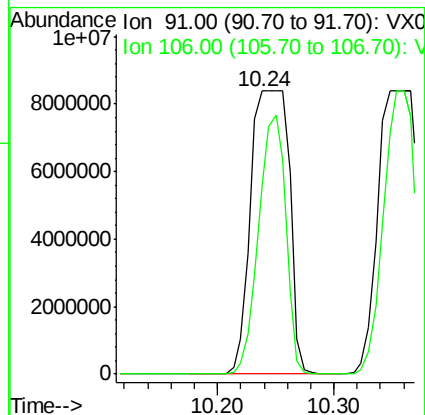
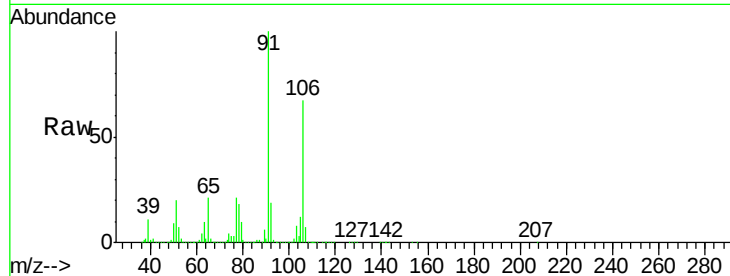
Ion Ratio Lower Upper

91 100

106 66.8 25.3 37.9#

Manual Integrations
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#68

m/p-Xylenes

Concen: 2099.723 ug/l

RT: 10.35 min Scan# 1520

Delta R.T. 0.01 min

Lab File: VX019056.D

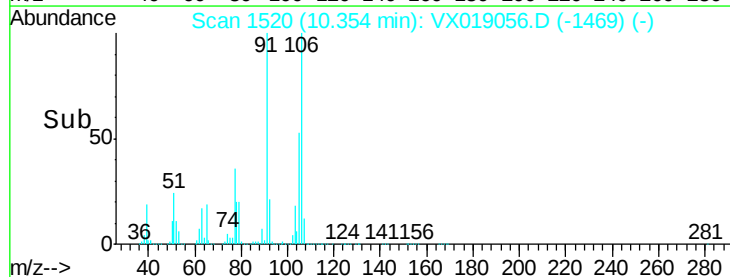
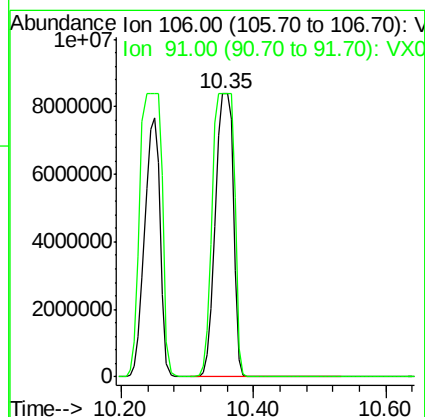
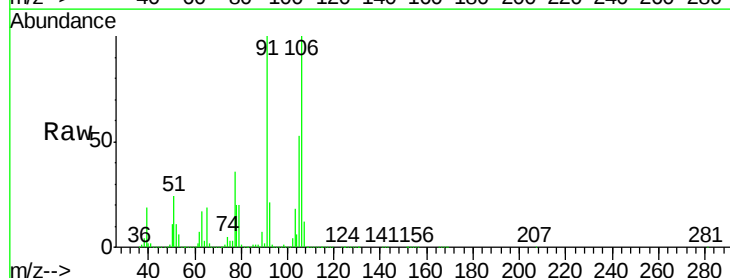
Acq: 23 Oct 2020 03:12

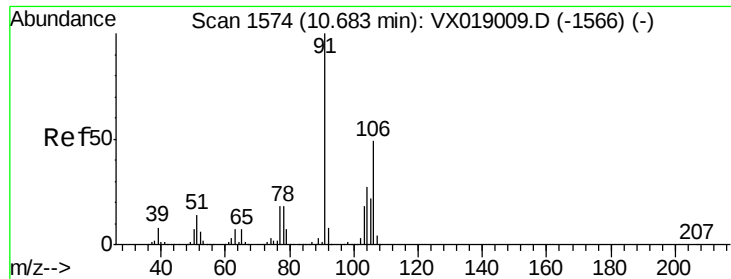
Tgt Ion:106 Resp:15596849

Ion Ratio Lower Upper

106 100

91 124.5 156.9 235.3#





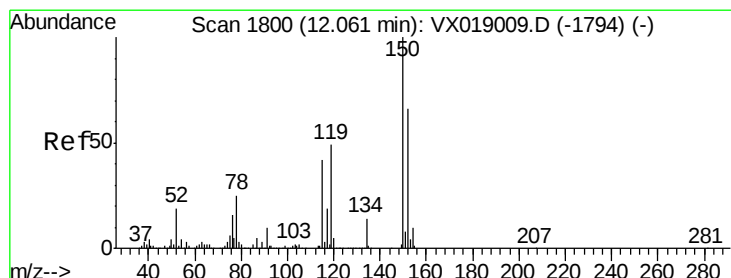
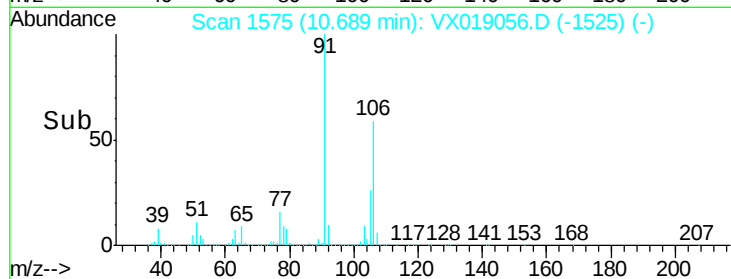
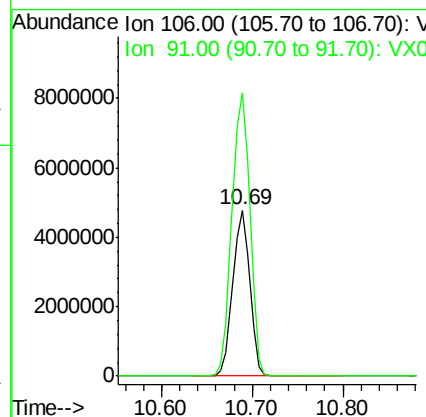
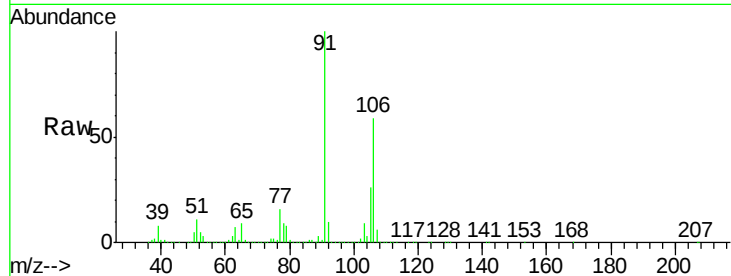
#69
o-Xylene
Concen: 875.144 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VX019056.D
Acq: 23 Oct 2020 03:12

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tot Ion:106 Resp: 6221542
Ion Ratio Lower Upper
106 100
91 182.0 104.0 312.0

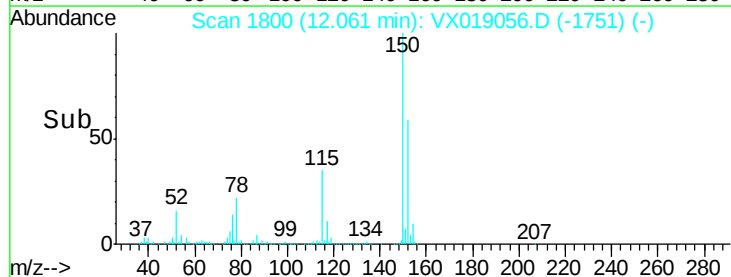
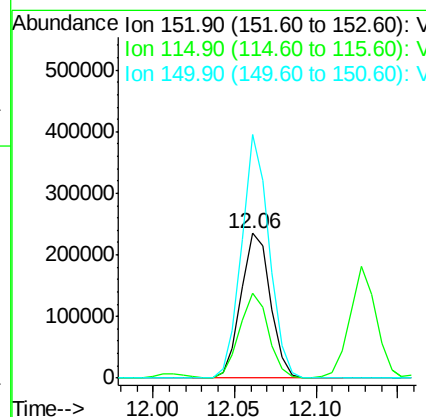
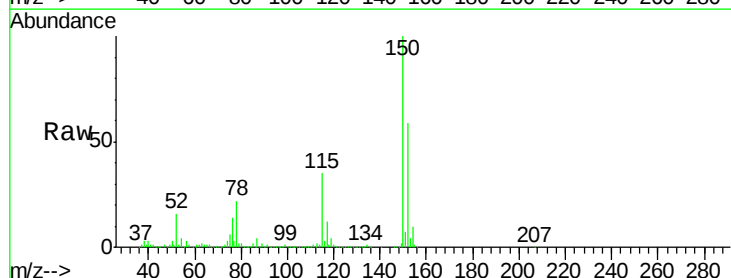
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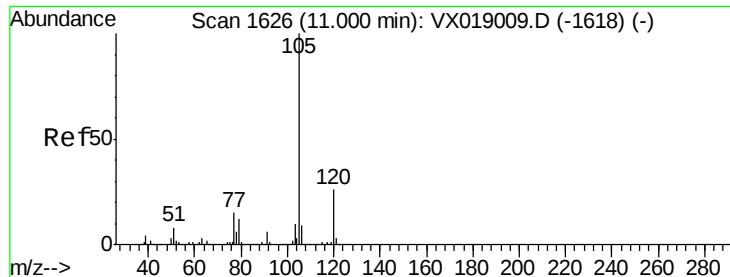
MMDadoda
10/23/2020 1:20:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019056.D
Acq: 23 Oct 2020 03:12

Tgt Ion:152 Resp: 294993
Ion Ratio Lower Upper
152 100
115 57.1 40.8 122.5
150 157.6 0.0 345.6





#73

Isopropylbenzene

Concen: 315.087 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX019056.D

Acq: 23 Oct 2020 03:12

Instrument :

MSVOA_X

ClientSampleId :

MW-1

Tot Ion:105 Resp: 6686494

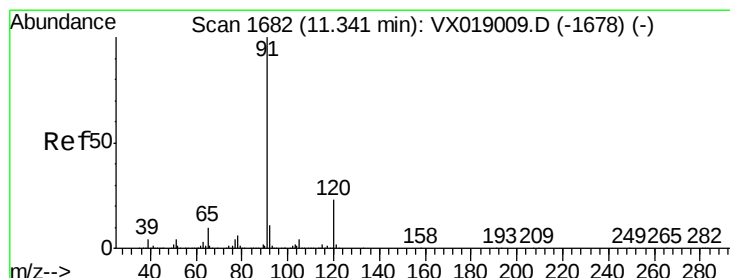
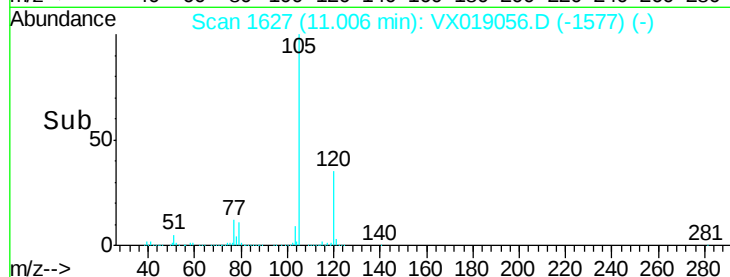
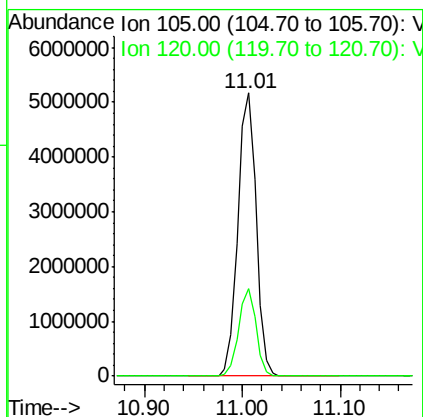
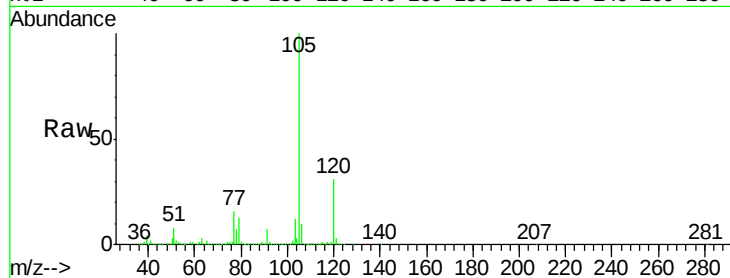
Ion Ratio Lower Upper

105 100

120 29.5 13.4 40.1

Manual Integrations
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#78

n-propylbenzene

Concen: 348.628 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX019056.D

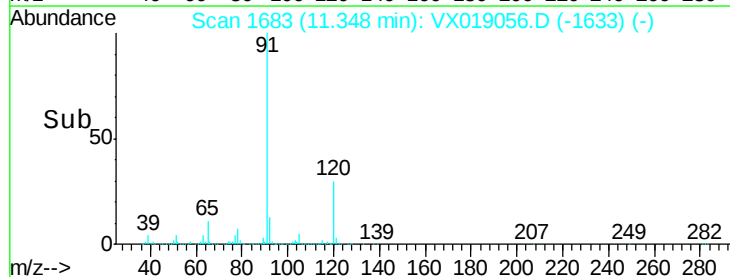
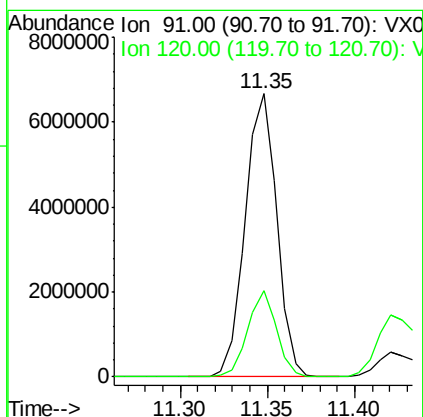
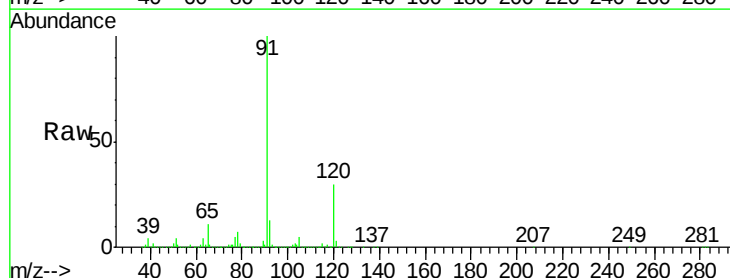
Acq: 23 Oct 2020 03:12

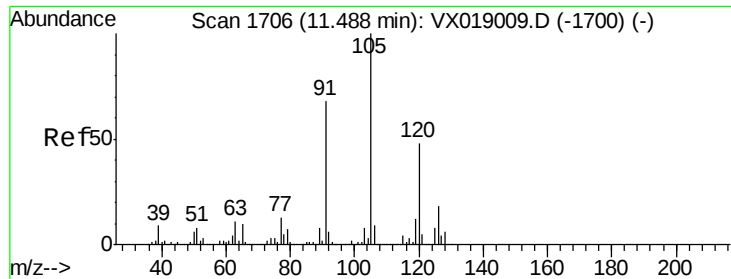
Tgt Ion: 91 Resp: 8383206

Ion Ratio Lower Upper

91 100

120 27.6 12.1 36.3





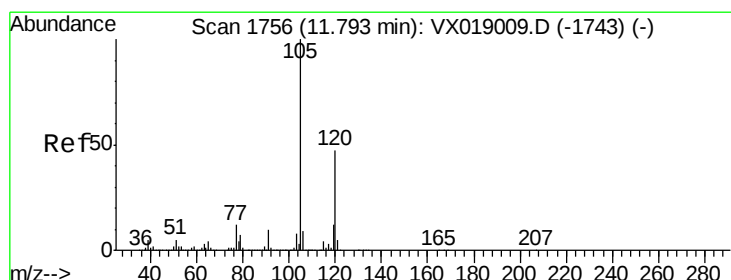
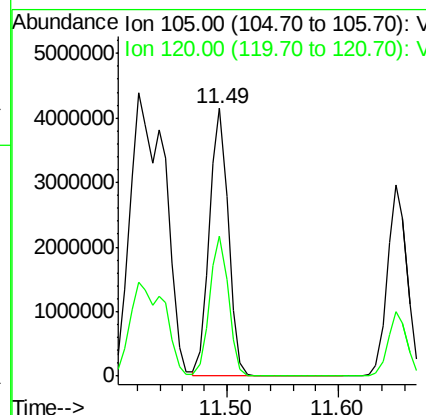
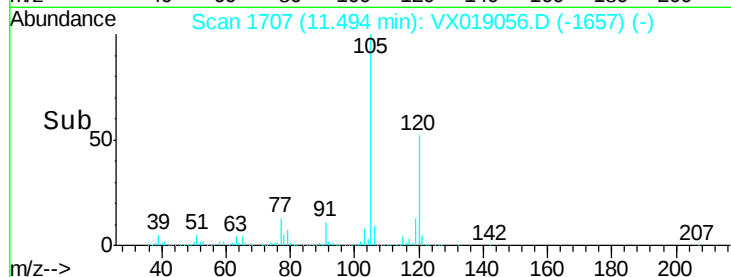
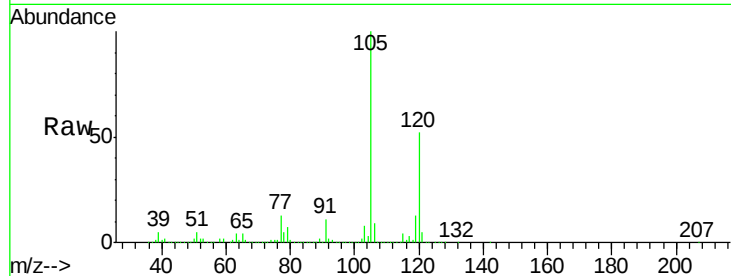
#80
 1,3,5-Trimethylbenzene
 Concen: 280.445 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX019056.D
 Acq: 23 Oct 2020 03:12

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

Tot Ion:105 Resp: 4914566
 Ion Ratio Lower Upper
 105 100
 120 52.3 25.2 75.6

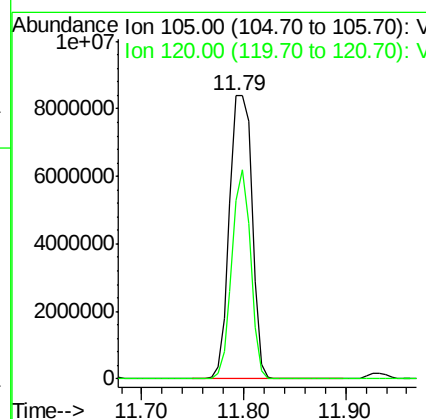
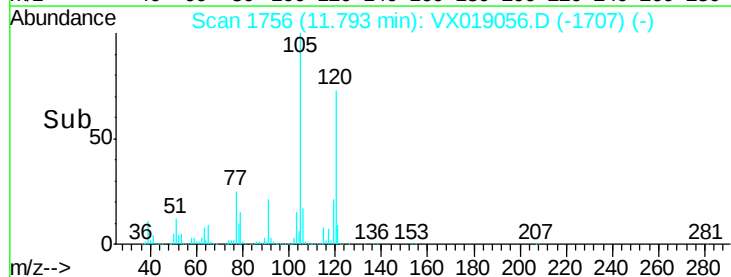
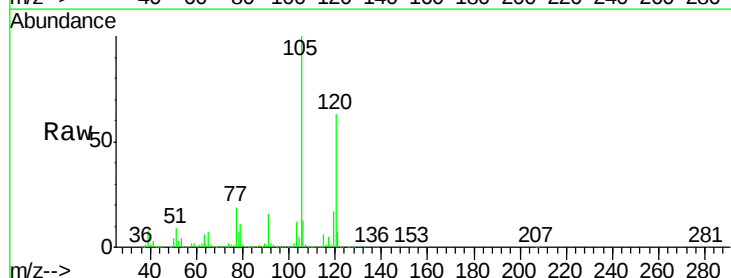
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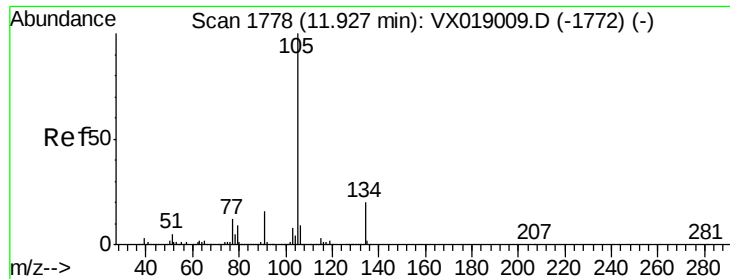
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#84
 1,2,4-Trimethylbenzene
 Concen: 736.310 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019056.D
 Acq: 23 Oct 2020 03:12

Tgt Ion:105 Resp:12920529
 Ion Ratio Lower Upper
 105 100
 120 60.8 22.9 68.8





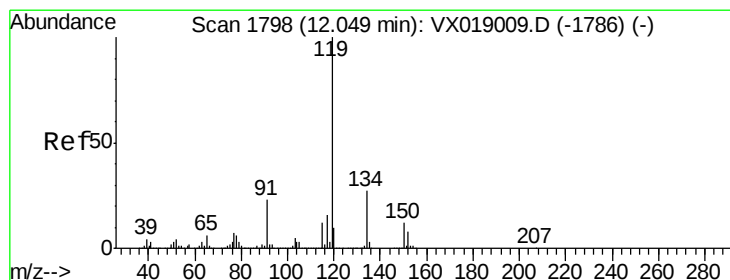
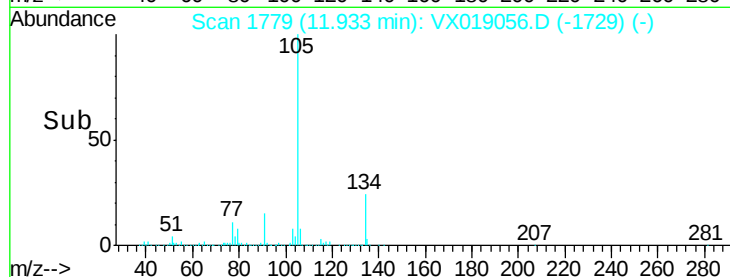
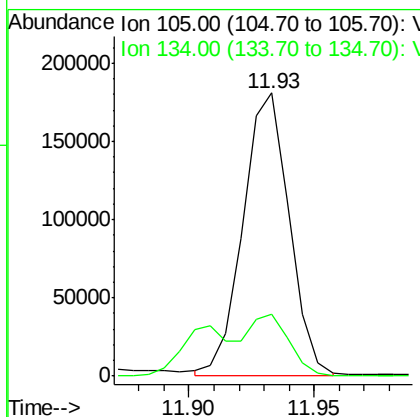
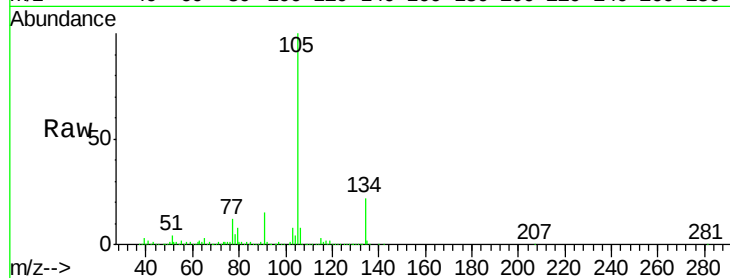
#85
 sec-Butylbenzene
 Concen: 11.075 ug/l m
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX019056.D
 Acq: 23 Oct 2020 03:12

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.4	31.1#

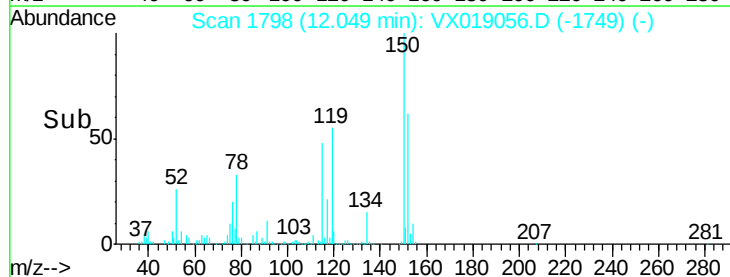
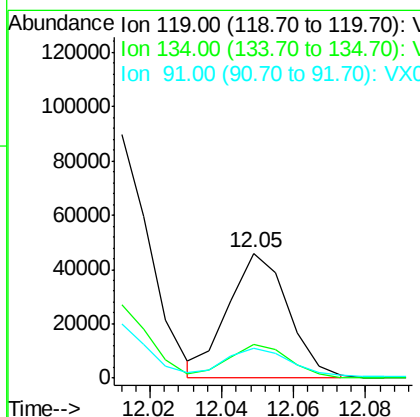
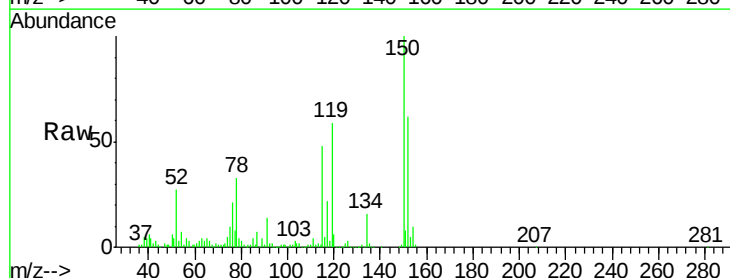
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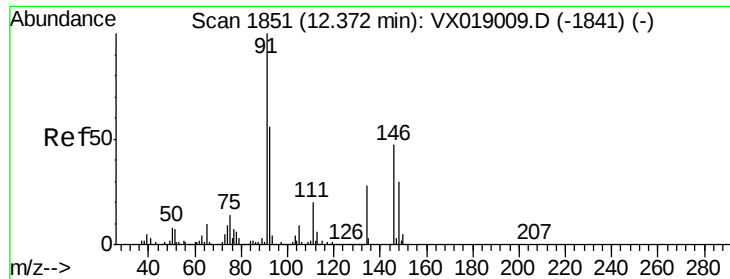
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 2.777 ug/l m
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX019056.D
 Acq: 23 Oct 2020 03:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.3	39.8#
91	0.0	11.4	34.2#





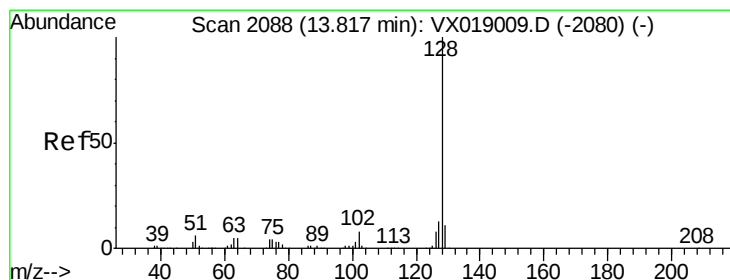
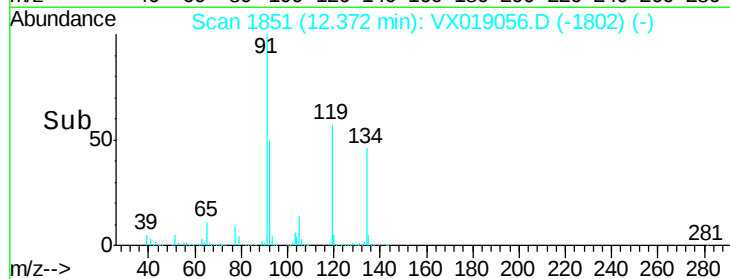
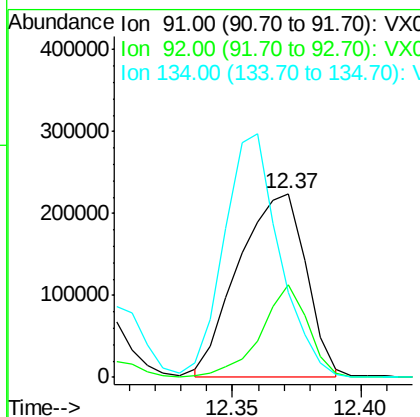
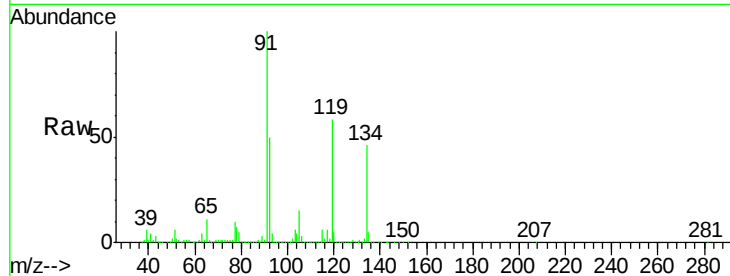
#89
n-Butylbenzene
Concen: 23.473 ug/l m
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019056.D
Acq: 23 Oct 2020 03:12

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	27.3	81.9#
134	0.0	13.6	40.7#

Manual Integrations
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#95
Naphthalene
Concen: 394.232 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019056.D
Acq: 23 Oct 2020 03:12

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	12.3	8.7	13.1

