

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019096.D
 Acq On : 24 Oct 2020 01:07
 Operator : JC/SP
 Sample : L4417-19DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1DL

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 10:02:51 AM

Quant Time: Oct 26 05:59:59 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	5.62	168	291699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	500795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	476204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	239502	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	174652	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
35) Dibromofluoromethane	5.46	113	154769	48.81	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.62%	
50) Toluene-d8	8.70	98	620329	51.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.12	95	217905	50.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.26%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	25892	36.588	ug/l	99
16) Acetone	2.42	43	1767	1.485	ug/l	97
19) Methyl tert-butyl Ether	3.16	73	19203	2.135	ug/l #	52
31) Cyclohexane	5.54	56	10688	2.612	ug/l	97
39) Methylcyclohexane	7.44	83	5699	1.132	ug/l	96
40) Benzene	6.10	78	209202	15.808	ug/l	100
52) Toluene	8.76	92	1130153	129.292	ug/l	98
67) Ethyl Benzene	10.23	91	740651	43.016	ug/l	99
68) m/p-Xylenes	10.34	106	343141	52.025	ug/l	99
69) o-Xylene	10.68	106	108570	17.199	ug/l	100
73) Isopropylbenzene	11.00	105	117382	6.813	ug/l	99
78) n-propylbenzene	11.34	91	155207	7.950	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	84871	5.965	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	287119	20.153	ug/l	100
85) sec-Butylbenzene	11.93	105	5010m	0.295	ug/l	
89) n-Butylbenzene	12.37	91	9144	0.645	ug/l #	53
95) Naphthalene	13.82	128	125904	7.349	ug/l	99

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

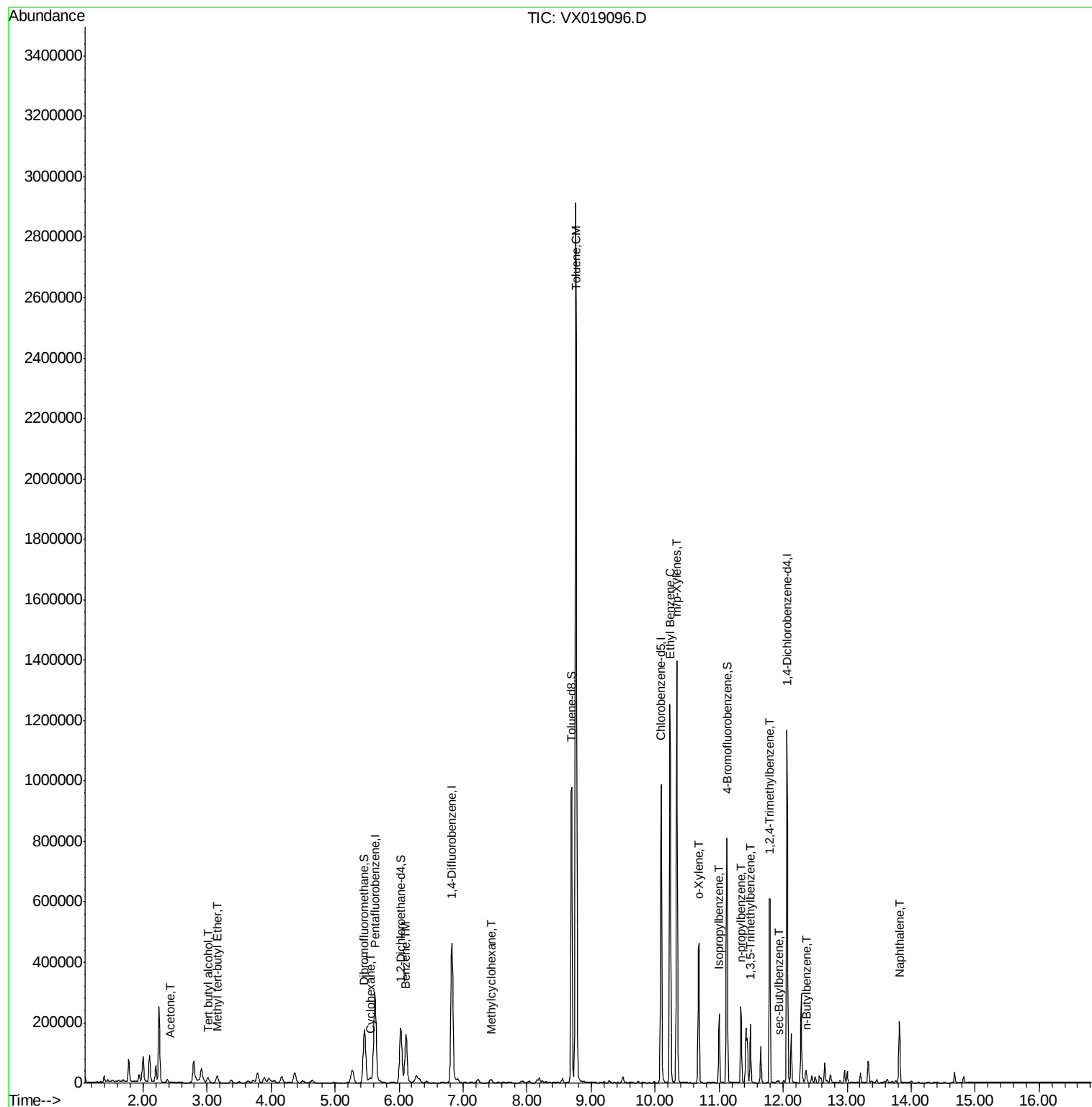
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102320\
Data File : VX019096.D
Acq On : 24 Oct 2020 01:07
Operator : JC/SP
Sample : L4417-19DL 50X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

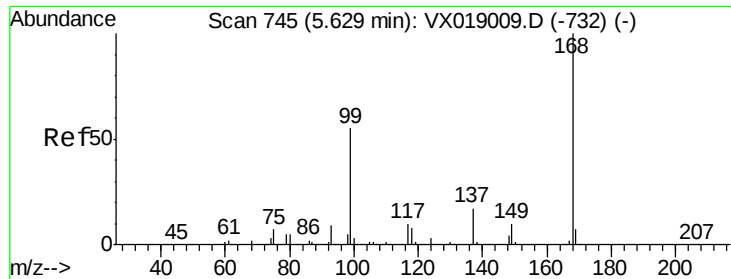
Instrument :
MSVOA_X
ClientSampleId :
MW-1DL

Manual Integrations
APPROVED

MMDadoda
10/26/2020 10:02:51 AM

Quant Time: Oct 26 05:59:59 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: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019096.D

Acq: 24 Oct 2020 01:07

Instrument :

MSVOA_X

ClientSampleId :

MW-1DL

Tot Ion:168 Resp: 291699

Ion Ratio Lower Upper

168 100

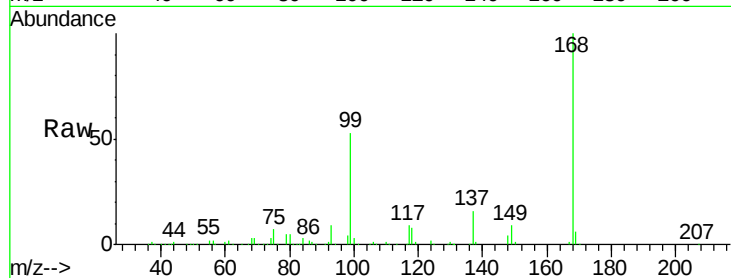
99 53.1 44.2 66.2

Manual Integrations

APPROVED

MMDadoda

10/26/2020 10:02:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

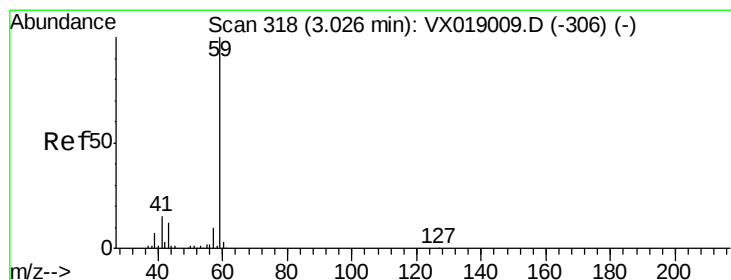
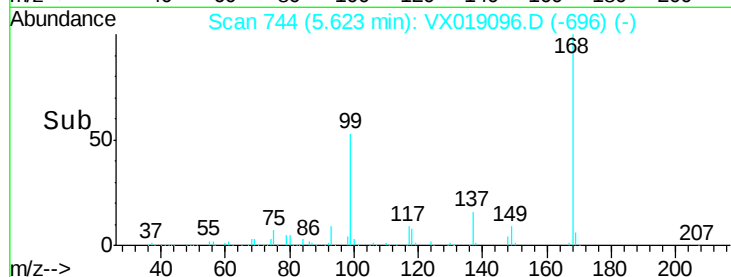
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 36.588 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX019096.D

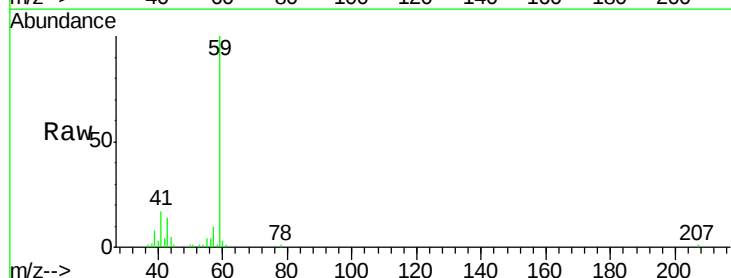
Acq: 24 Oct 2020 01:07

Tgt Ion: 59 Resp: 25892

Ion Ratio Lower Upper

59 100

57 10.4 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

12000

10000

8000

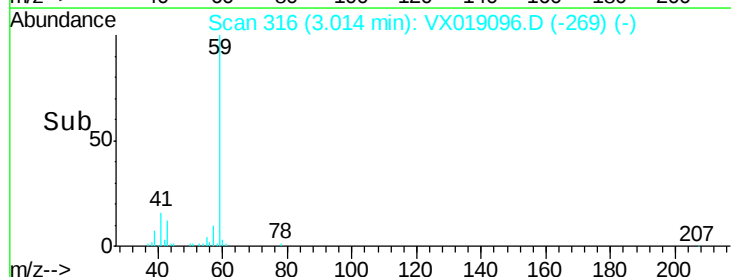
6000

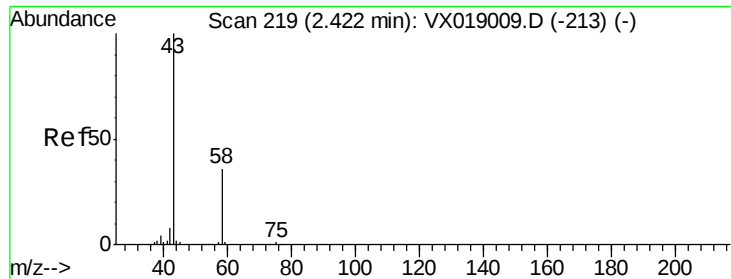
4000

2000

0

Time-->





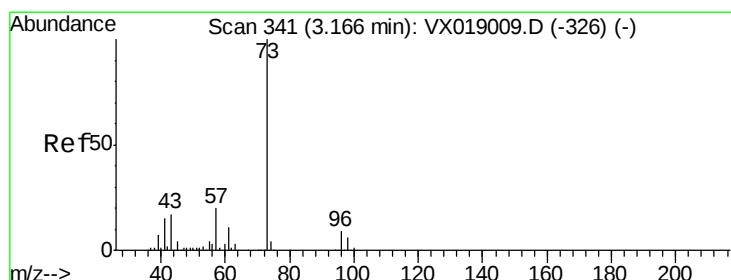
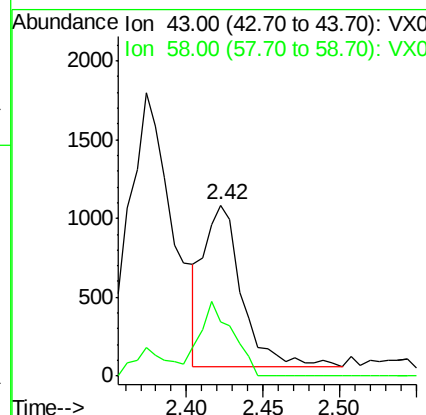
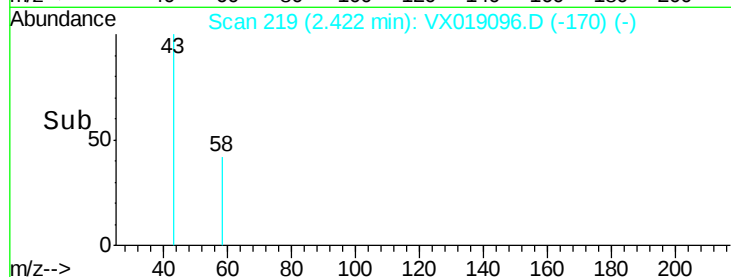
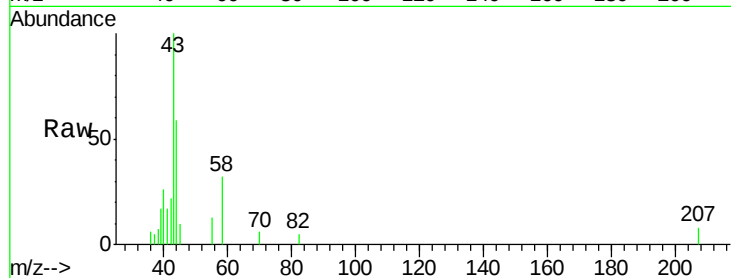
#16
Acetone
Concen: 1.485 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Instrument :
MSVOA_X
ClientSampleId :
MW-1DL

Tot Ion: 43 Resp: 1767
Ion Ratio Lower Upper
43 100
58 33.8 28.6 42.8

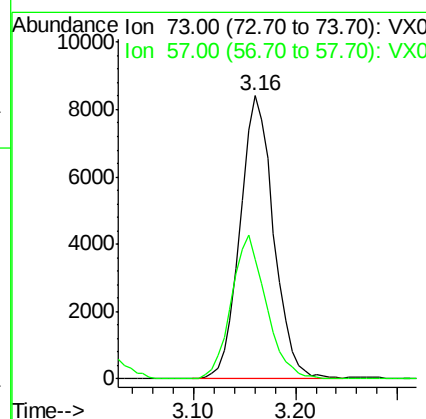
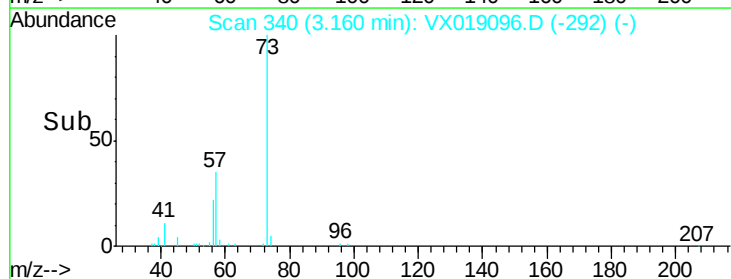
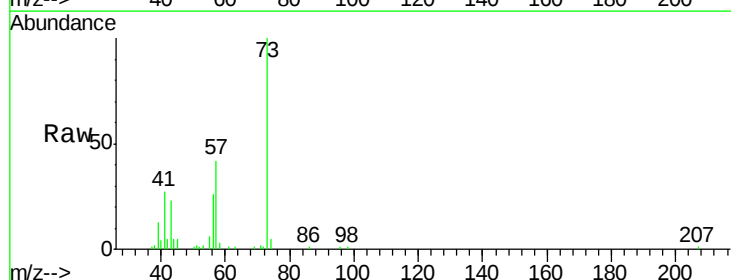
Manual Integrations
APPROVED

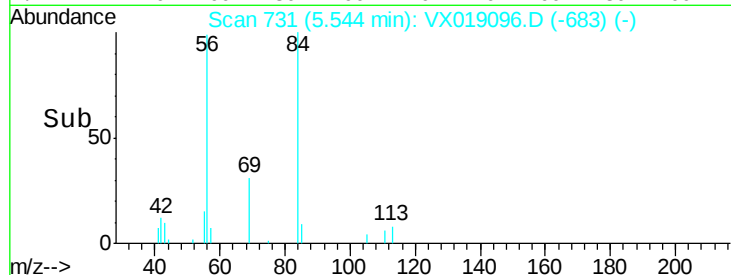
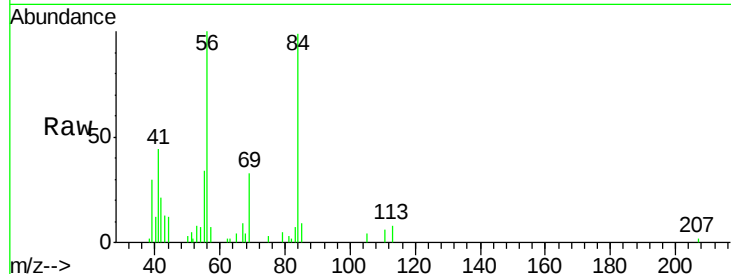
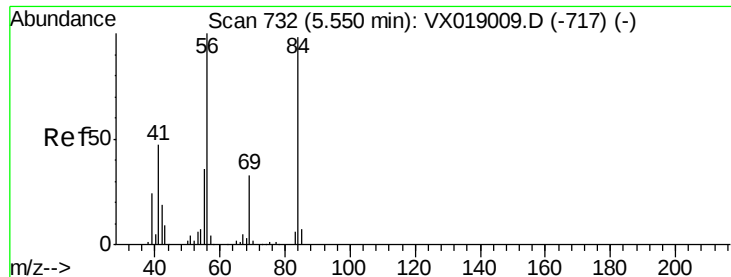
MMDadoda
10/26/2020 10:02:51 AM



#19
Methyl tert-butyl Ether
Concen: 2.135 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Tgt Ion: 73 Resp: 19203
Ion Ratio Lower Upper
73 100
57 42.3 16.2 24.2#





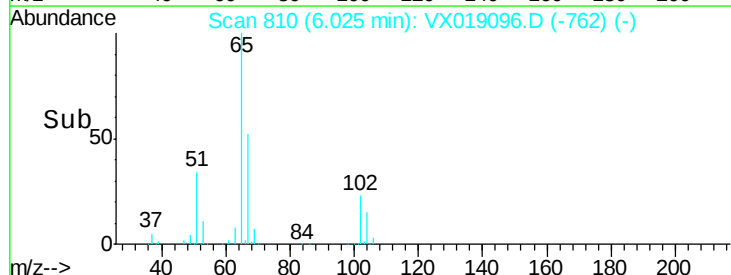
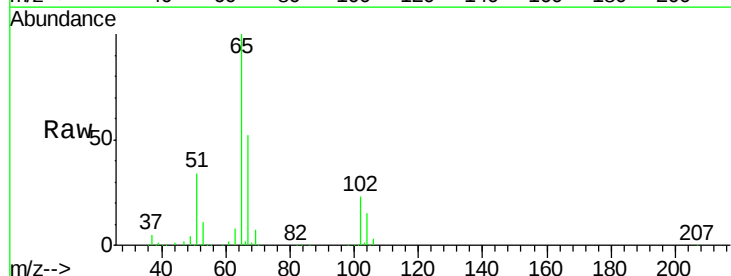
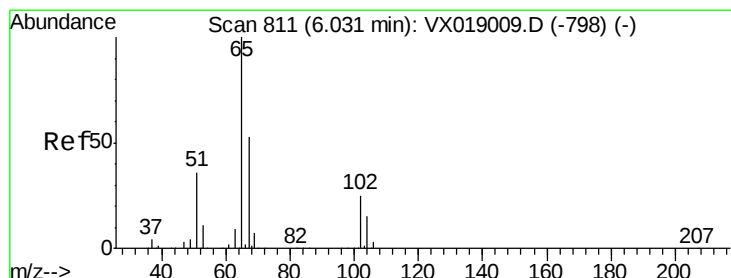
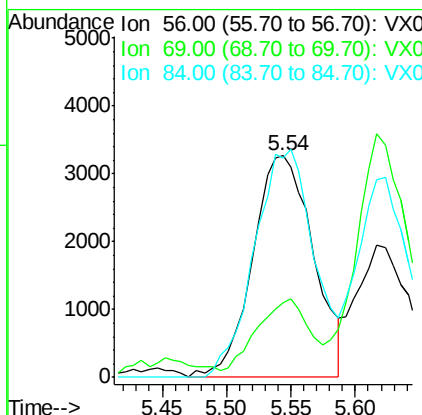
#31
Cvclohexane
Concen: 2.612 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Tot Ion	56	69	84
Resp	10688		
Ratio	100	28.3	98.8
Lower		26.2	78.3
Upper		39.2	117.5

Instrument :
MSVOA_X
ClientSampleId :
MW-1DL

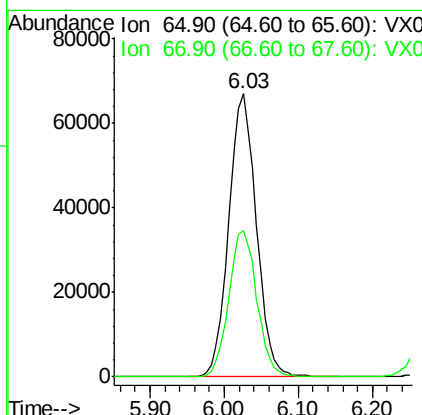
Manual Integrations
APPROVED

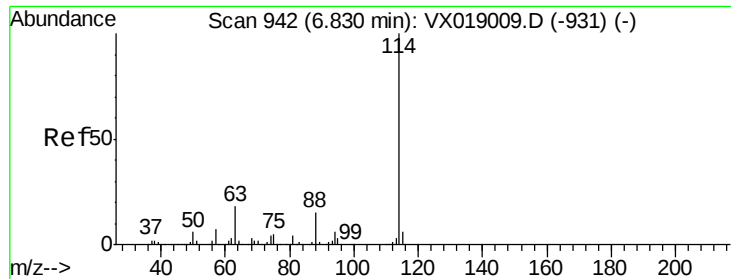
MMDadoda
10/26/2020 10:02:51 AM



#33
1,2-Dichloroethane-d4
Concen: 49.985 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Tgt Ion	65	67
Resp	174652	
Ratio	100	52.6
Lower		0.0
Upper		107.0





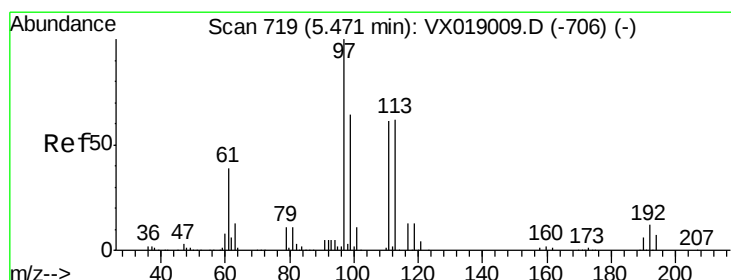
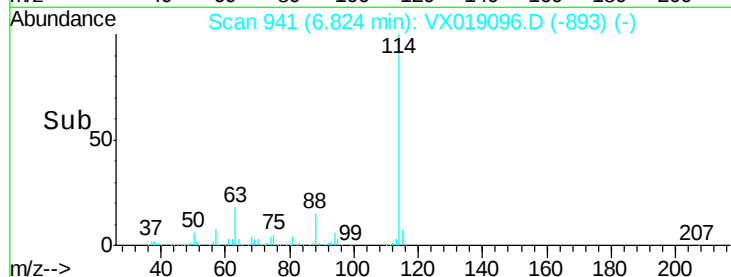
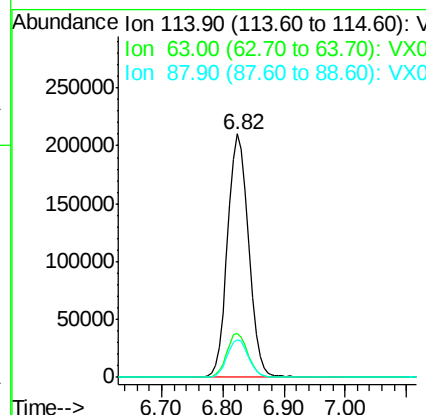
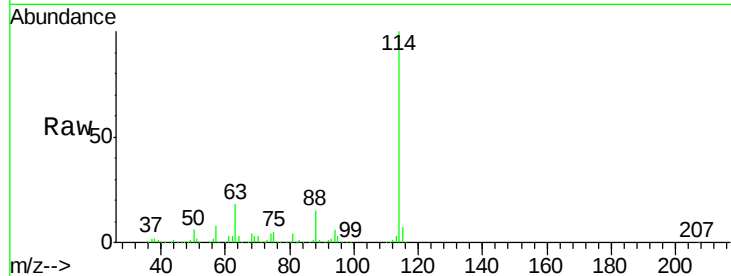
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX019096.D
 Acq: 24 Oct 2020 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	500795		
63	18.3		0.0	36.8
88	15.4		0.0	30.2

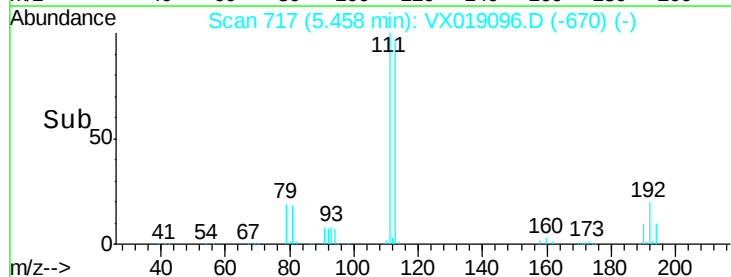
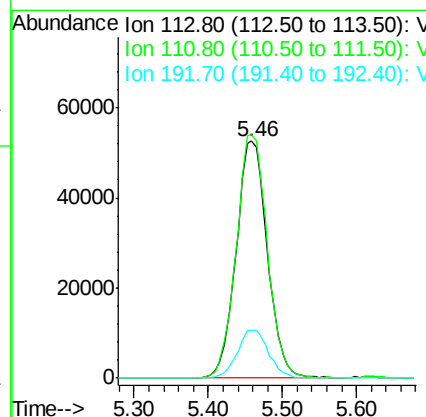
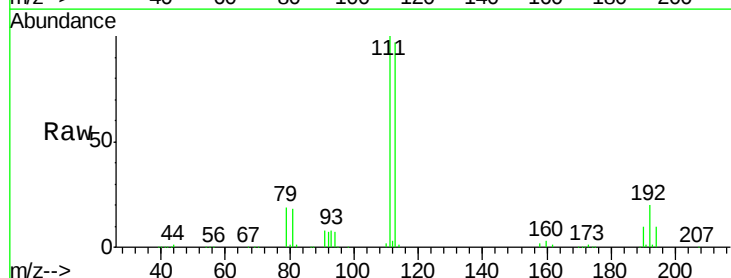
Manual Integrations
 APPROVED

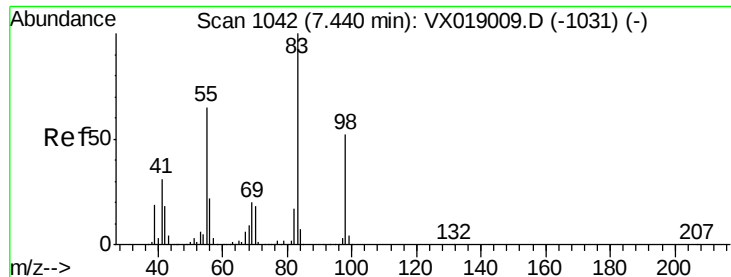
MMDadoda
 10/26/2020 10:02:51 AM



#35
 Dibromofluoromethane
 Concen: 48.812 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX019096.D
 Acq: 24 Oct 2020 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	154769		
111	102.3		81.5	122.3
192	20.4		16.3	24.5





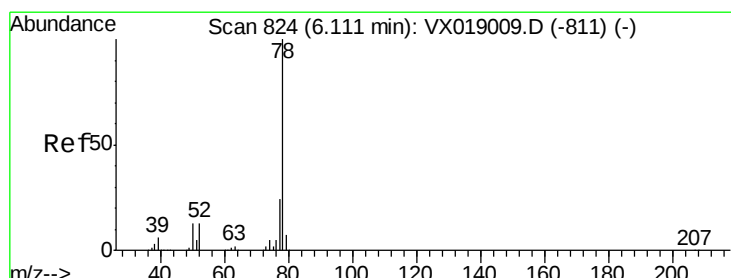
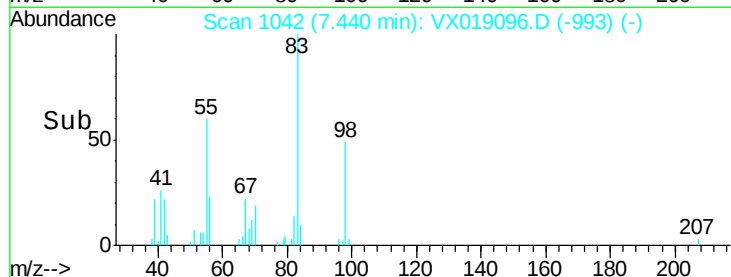
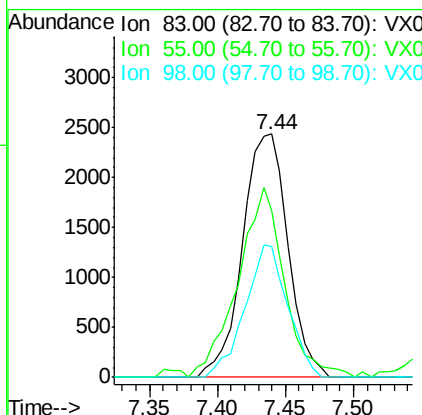
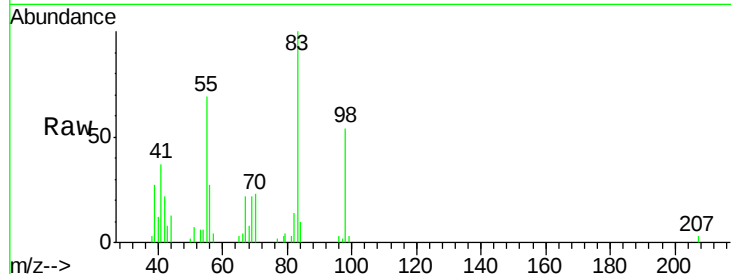
#39
Methvlcvclohexane
Concen: 1.132 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Instrument :
MSVOA_X
ClientSampleId :
MW-1DL

Tot Ion	83	Resp	5699
Ion Ratio	Lower	Upper	
83	100		
55	68.7	51.8	77.6
98	53.7	41.4	62.2

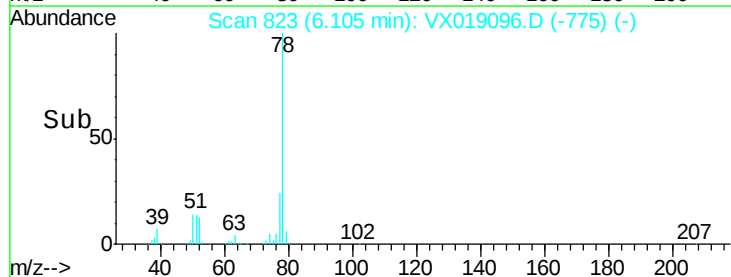
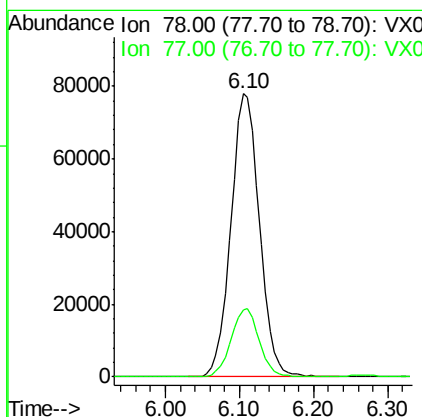
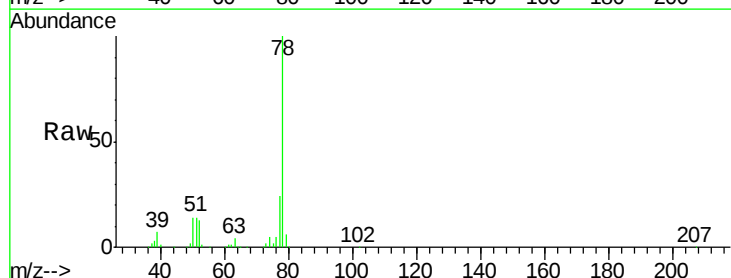
Manual Integrations
APPROVED

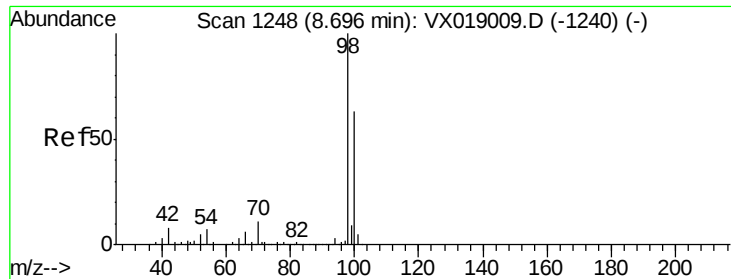
MMDadoda
10/26/2020 10:02:51 AM



#40
Benzene
Concen: 15.808 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Tgt Ion	78	Resp	209202
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.3	28.9





#50

Toluene-d8

Concen: 51.269 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019096.D

Acq: 24 Oct 2020 01:07

Instrument :

MSVOA_X

ClientSampleId :

MW-1DL

Tot Ion: 98 Resp: 620329

Ion Ratio Lower Upper

98 100

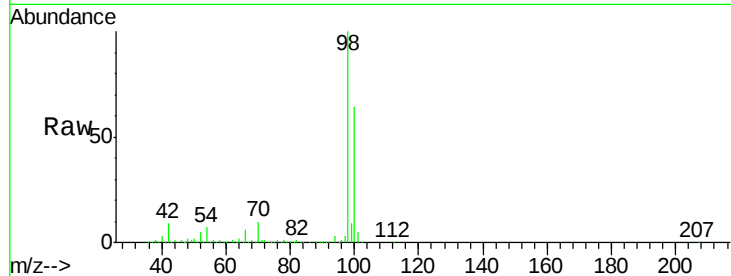
100 64.9 52.1 78.1

Manual Integrations

APPROVED

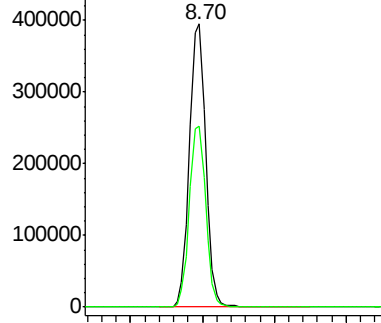
MMDadoda

10/26/2020 10:02:51 AM

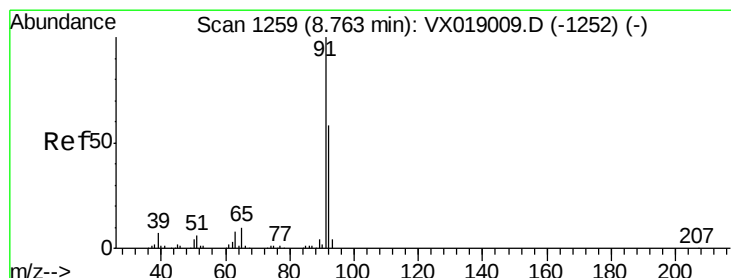
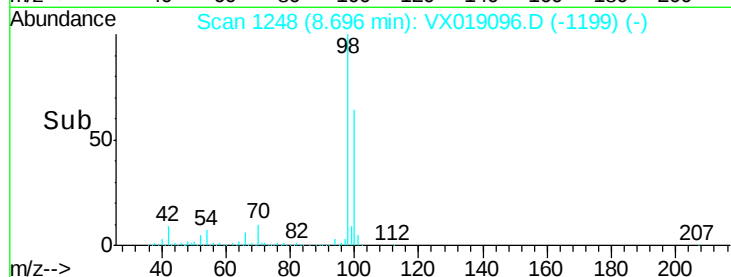


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->



#52

Toluene

Concen: 129.292 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019096.D

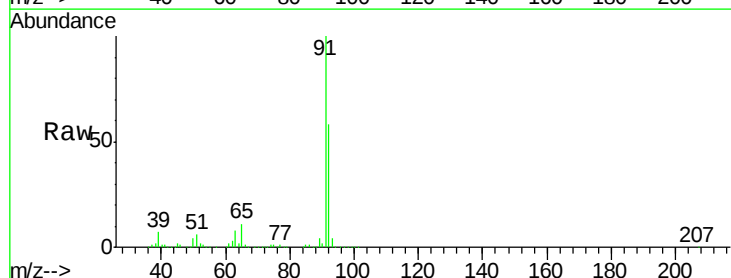
Acq: 24 Oct 2020 01:07

Tgt Ion: 92 Resp: 1130153

Ion Ratio Lower Upper

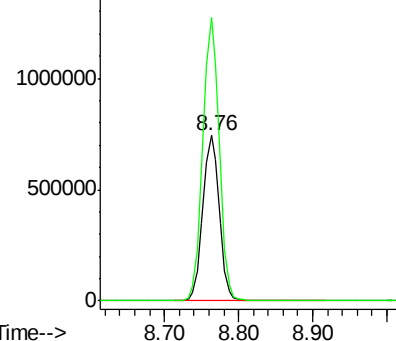
92 100

91 170.7 138.6 208.0

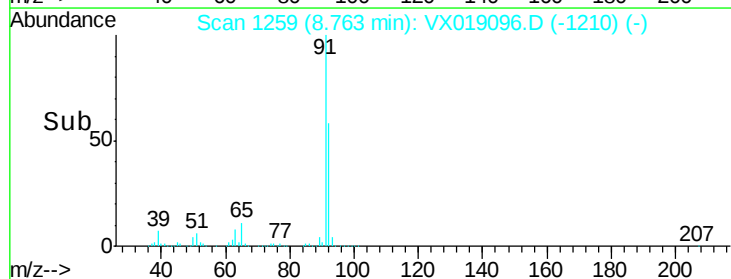


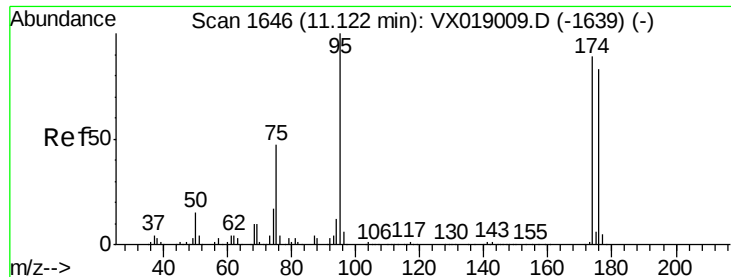
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





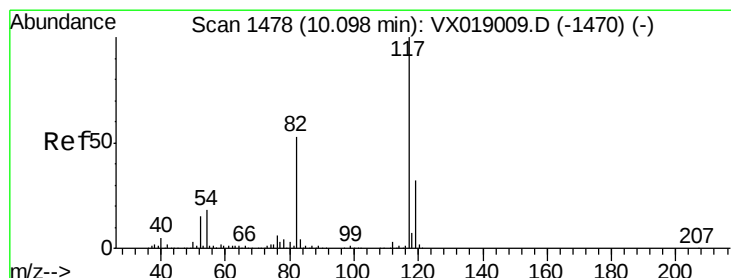
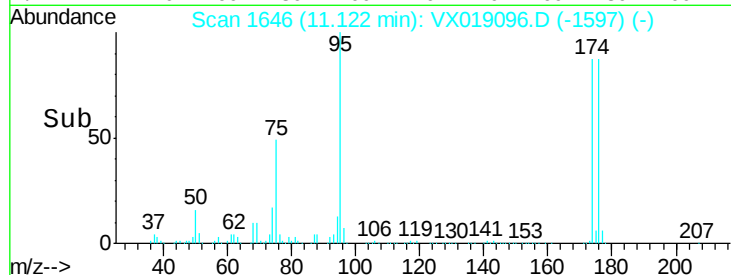
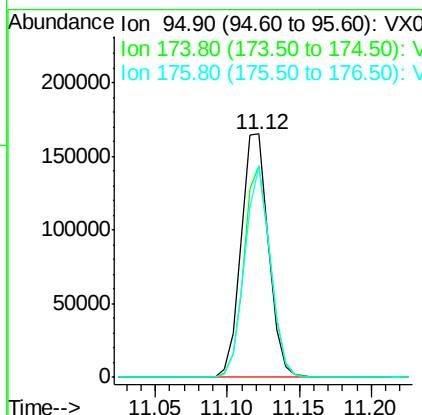
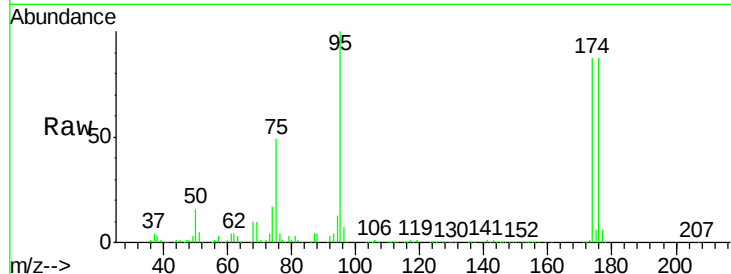
#62
4-Bromofluorobenzene
Concen: 50.630 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Instrument :
MSVOA_X
ClientSampled :
MW-1DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	217905		
174	83.2	0.0	167.6	
176	80.8	0.0	165.2	

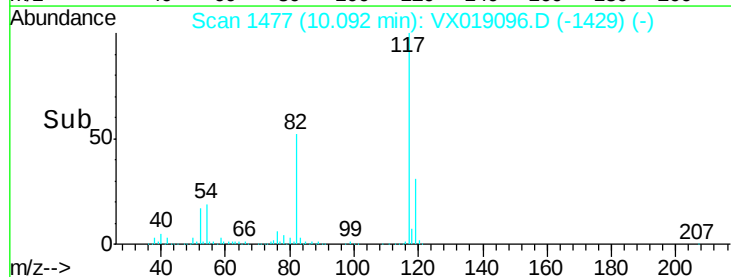
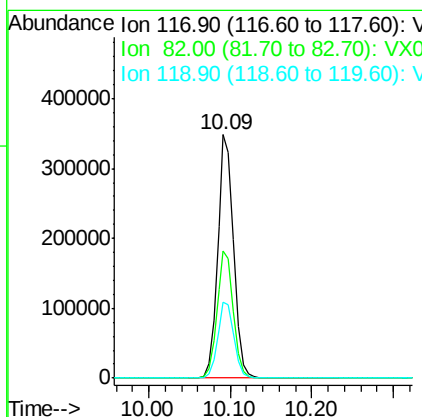
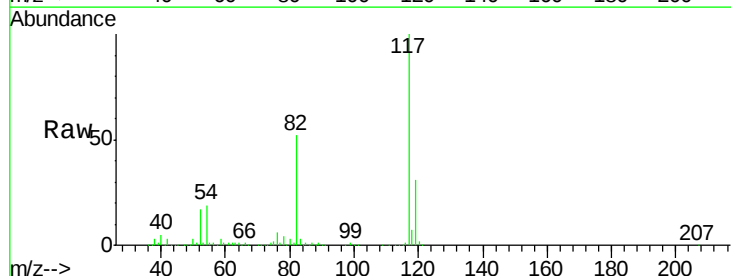
Manual Integrations
APPROVED

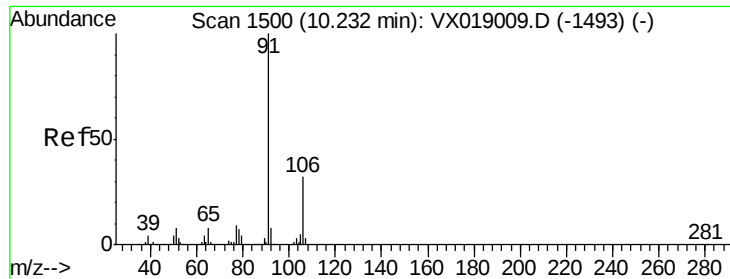
MMDadoda
10/26/2020 10:02:51 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	476204		
82	52.4	42.4	63.6	
119	31.0	25.6	38.4	





#67

Ethyl Benzene

Concen: 43.016 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019096.D

Acq: 24 Oct 2020 01:07

Instrument :

MSVOA_X

ClientSampled :

MW-1DL

Tot Ion: 91 Resp: 740651

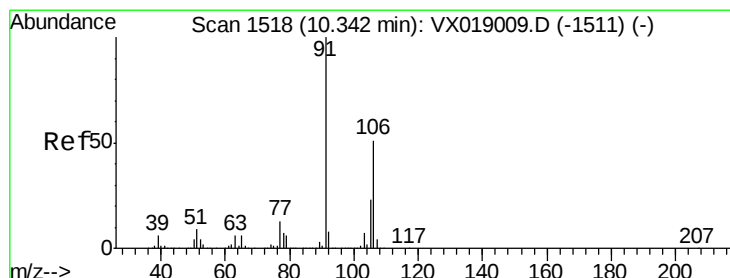
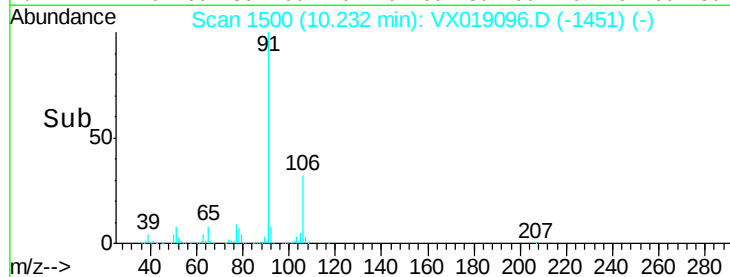
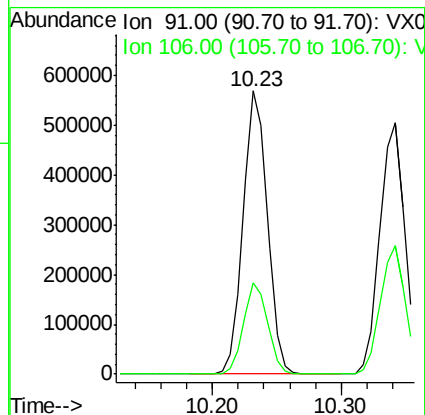
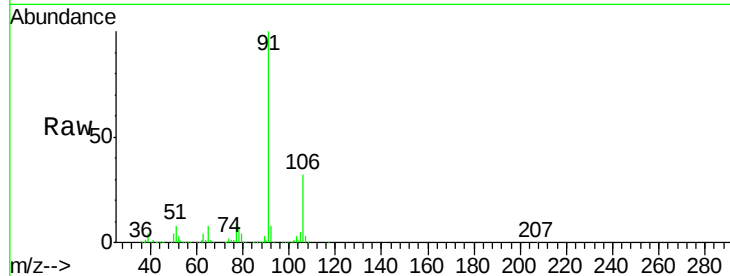
Ion Ratio Lower Upper

91 100

106 32.1 25.3 37.9

Manual Integrations
APPROVED

MMDadoda
10/26/2020 10:02:51 AM



#68

m/p-Xylenes

Concen: 52.025 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019096.D

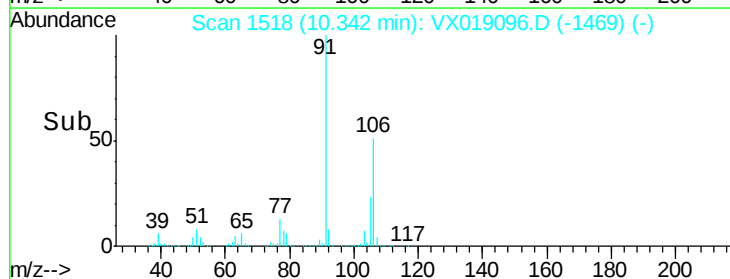
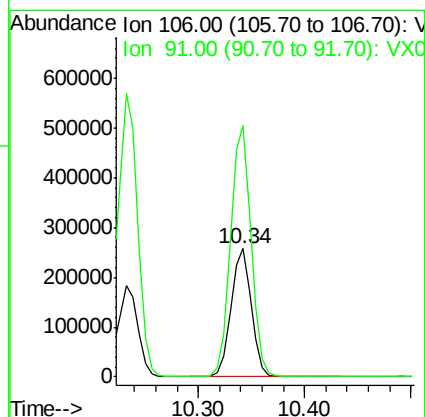
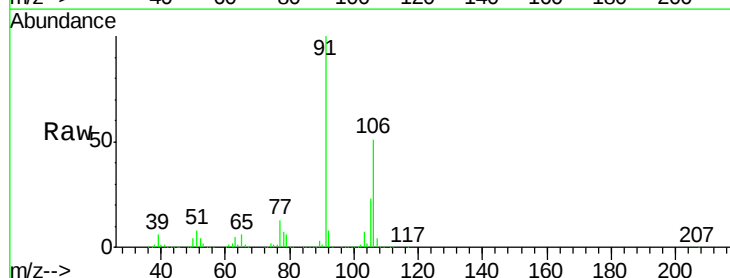
Acq: 24 Oct 2020 01:07

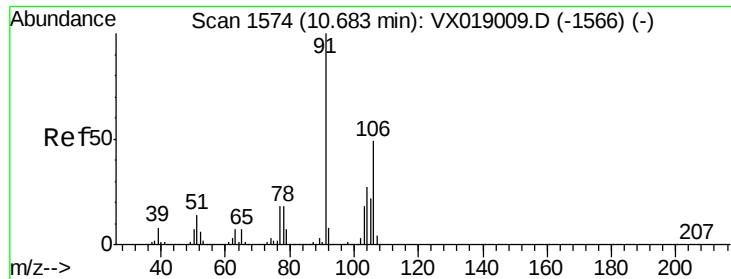
Tgt Ion: 106 Resp: 343141

Ion Ratio Lower Upper

106 100

91 198.0 156.9 235.3





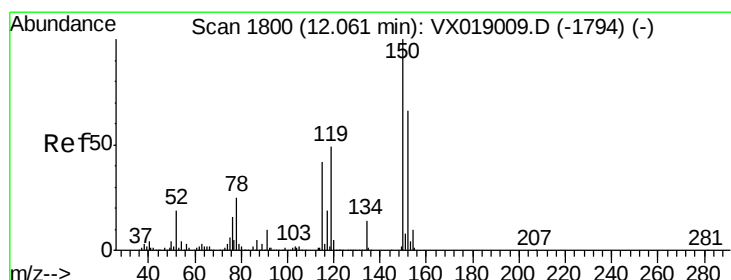
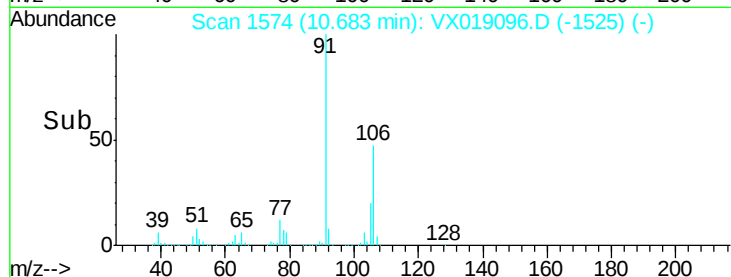
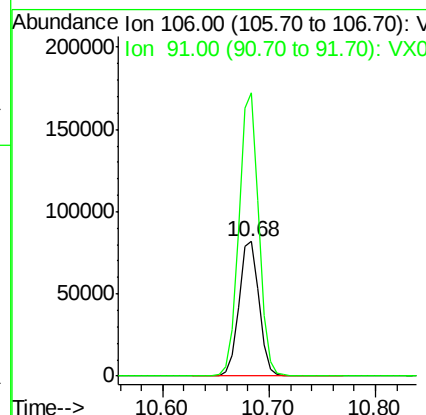
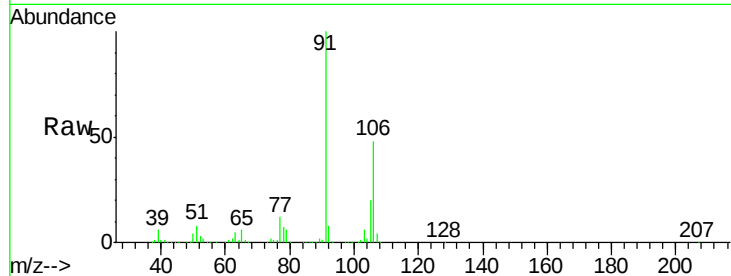
#69
o-Xylene
Concen: 17.199 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Instrument :
MSVOA_X
ClientSampleId :
MW-1DL

Tot Ion	Ratio	Resp	Lower	Upper
106	100	108570		
91	207.4	104.0	312.0	

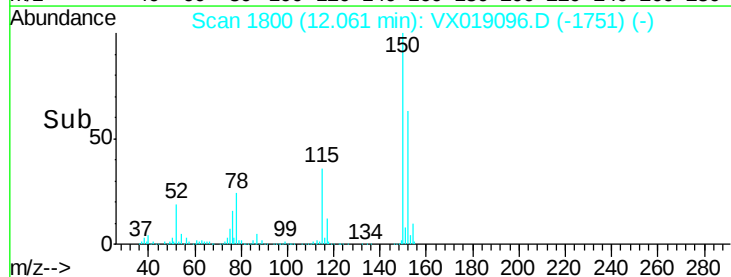
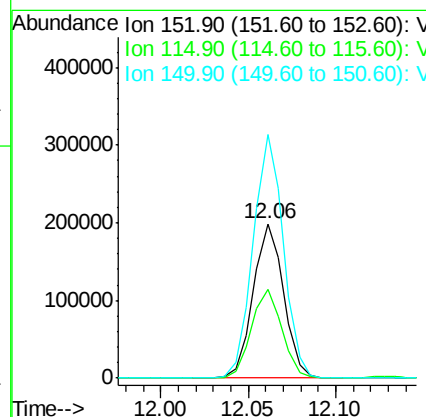
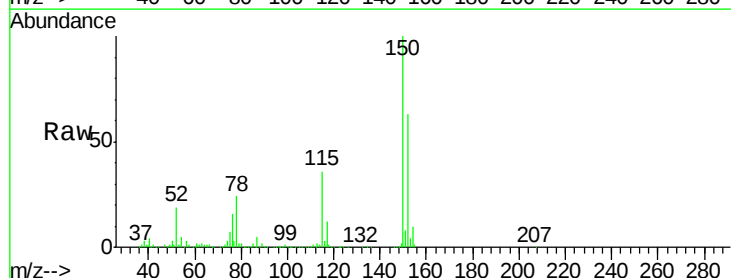
Manual Integrations
APPROVED

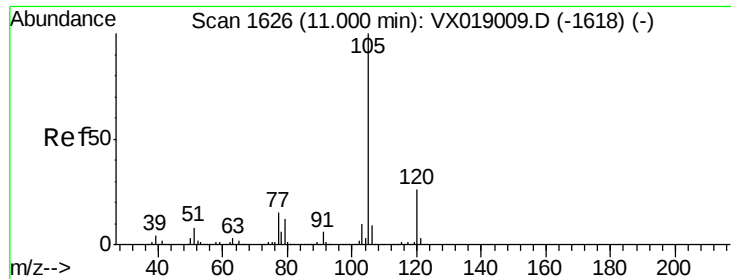
MMDadoda
10/26/2020 10:02:51 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	239502		
115	57.6	40.8	122.5	
150	157.1	0.0	345.6	





#73

Isopropylbenzene

Concen: 6.813 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019096.D

Acq: 24 Oct 2020 01:07

Instrument :

MSVOA_X

ClientSampled :

MW-1DL

Tot Ion:105 Resp: 117382

Ion Ratio Lower Upper

105 100

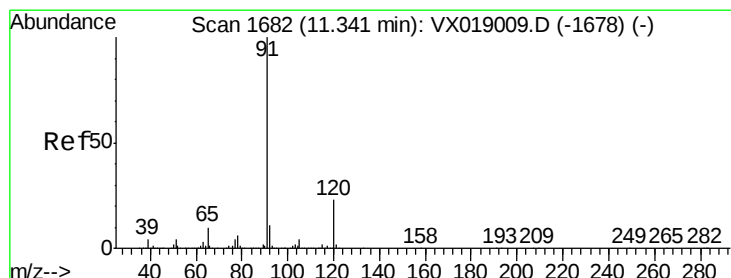
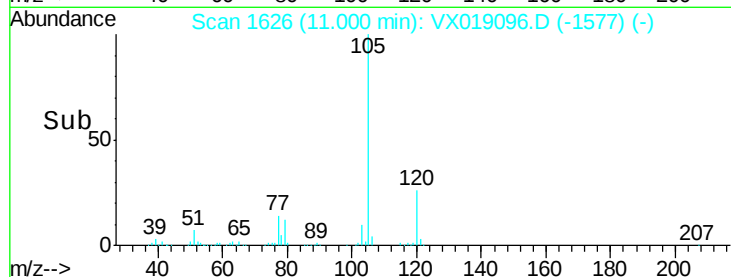
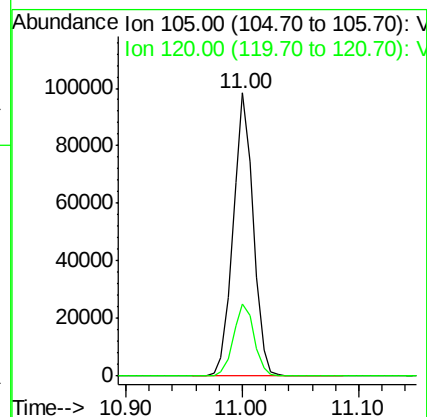
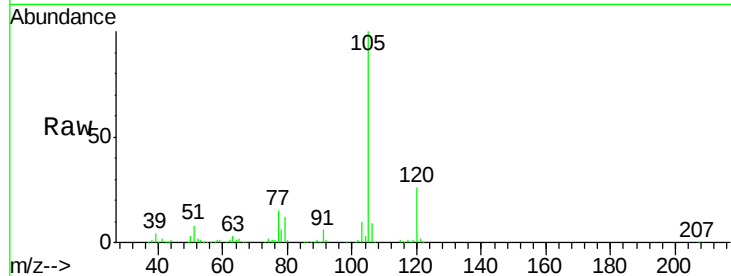
120 26.3 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

10/26/2020 10:02:51 AM



#78

n-propylbenzene

Concen: 7.950 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019096.D

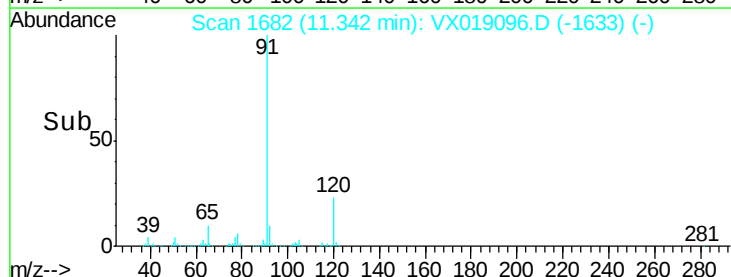
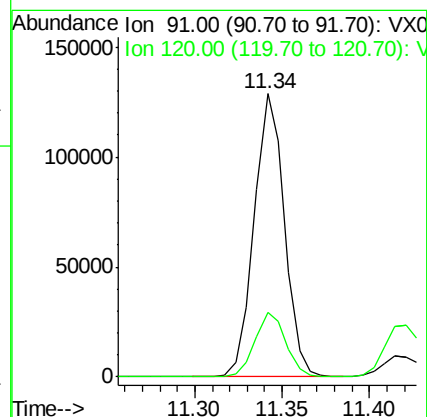
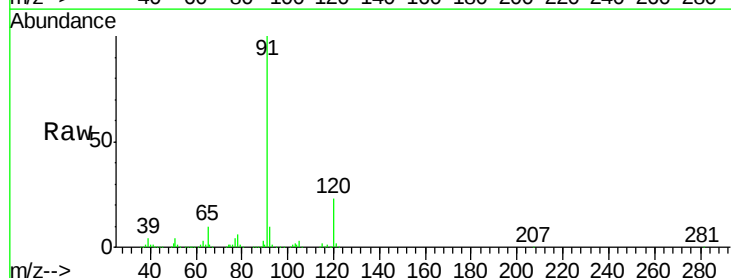
Acq: 24 Oct 2020 01:07

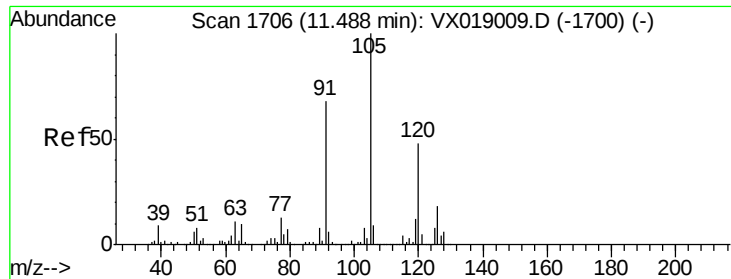
Tgt Ion: 91 Resp: 155207

Ion Ratio Lower Upper

91 100

120 23.1 12.1 36.3





#80

1,3,5-Trimethylbenzene

Concen: 5.965 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019096.D

Acq: 24 Oct 2020 01:07

Instrument :

MSVOA_X

ClientSampled :

MW-1DL

Tot Ion:105 Resp: 84871

Ion Ratio Lower Upper

105 100

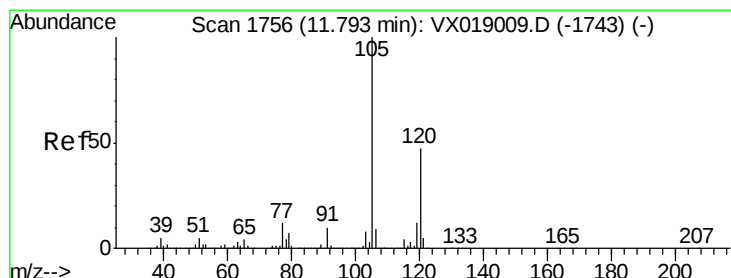
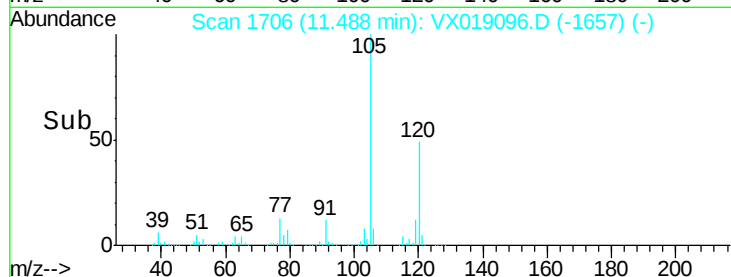
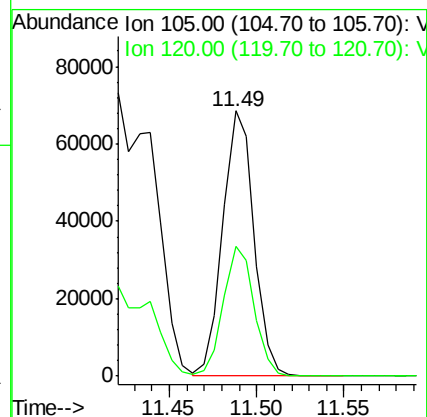
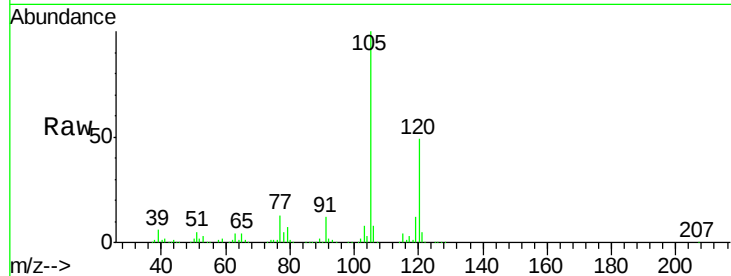
120 48.7 25.2 75.6

Manual Integrations

APPROVED

MMDadoda

10/26/2020 10:02:51 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.153 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019096.D

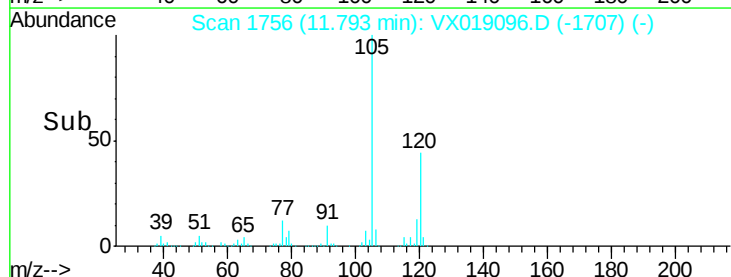
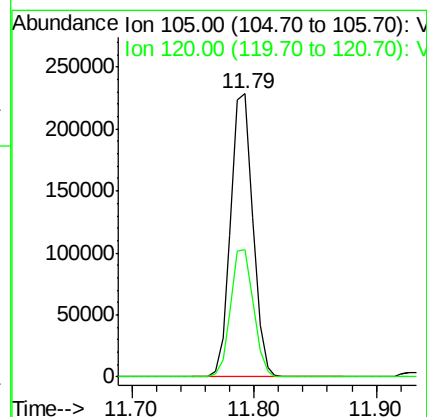
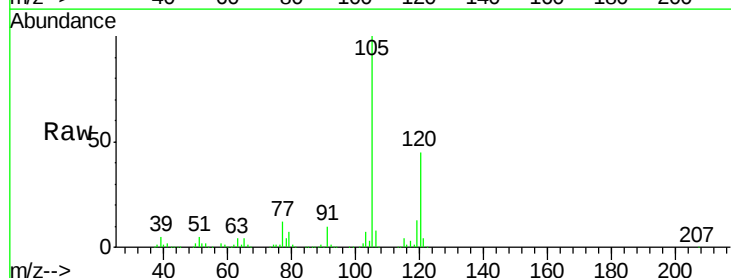
Acq: 24 Oct 2020 01:07

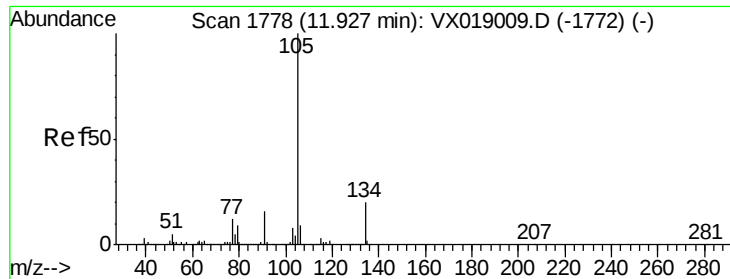
Tgt Ion:105 Resp: 287119

Ion Ratio Lower Upper

105 100

120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 0.295 ug/l m

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019096.D

Acq: 24 Oct 2020 01:07

Instrument :

MSVOA_X

ClientSampleId :

MW-1DL

Tot Ion:105 Resp: 5010

Ion Ratio Lower Upper

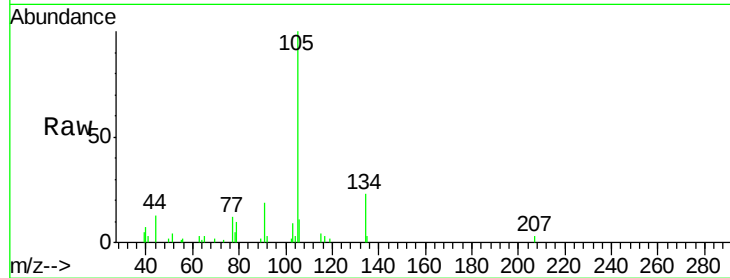
105 100

134 0.0 10.4 31.1#

Manual Integrations
APPROVED

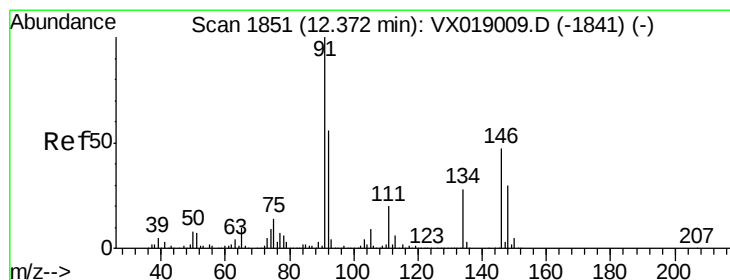
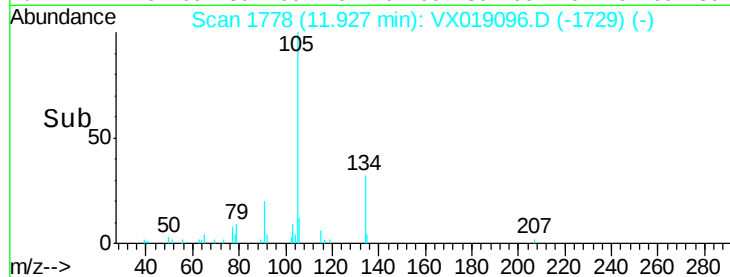
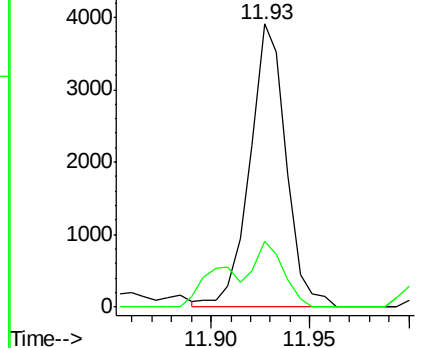
MMDadoda

10/26/2020 10:02:51 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.645 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX019096.D

Acq: 24 Oct 2020 01:07

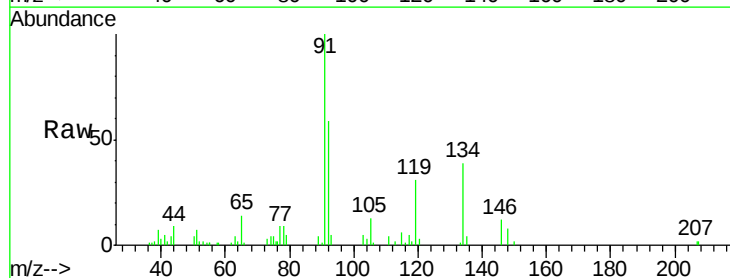
Tgt Ion: 91 Resp: 9144

Ion Ratio Lower Upper

91 100

92 40.8 27.3 81.9

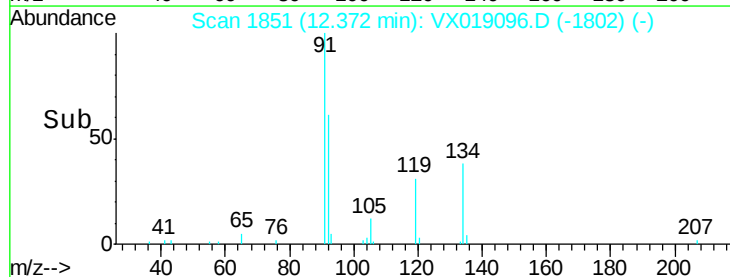
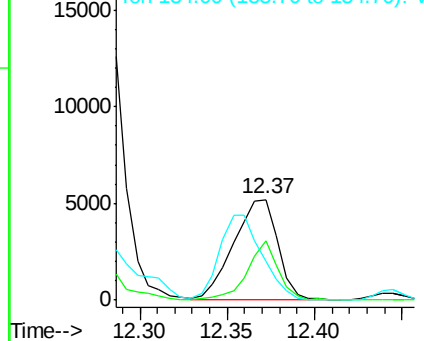
134 80.9 13.6 40.7#

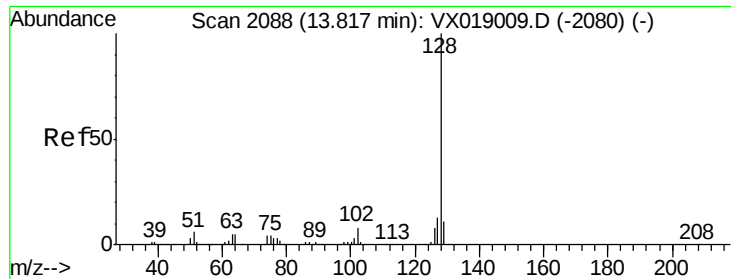


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 7.349 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019096.D
Acq: 24 Oct 2020 01:07

Instrument :
MSVOA_X
ClientSampleId :
MW-1DL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	125904		
127	12.5		10.5	15.7
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/26/2020 10:02:51 AM

