

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102220\
 Data File : VX019058.D
 Acq On : 23 Oct 2020 03:56
 Operator : JC/SP
 Sample : L4417-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 1:39:22 PM

Quant Time: Oct 23 09:35:04 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	5.63	168	305856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	532089	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	517330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	289756	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	179134	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
35) Dibromofluoromethane	5.46	113	162877	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.70%	
50) Toluene-d8	8.70	98	672728	52.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	11.12	95	259595	56.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	10767	14.511	ug/l #	73
19) Methyl tert-butyl Ether	3.17	73	554771	58.830	ug/l #	1
25) 2-Butanone	4.64	43	19166	9.720	ug/l	100
31) Cyclohexane	5.55	56	557052	129.839	ug/l	92
39) Methylcyclohexane	7.44	83	331014	61.883	ug/l	96
40) Benzene	6.12	78	3096881	220.242	ug/l	99
52) Toluene	8.77	92	11075895	1192.583	ug/l	79
67) Ethyl Benzene	10.24	91	17895870	956.737	ug/l #	38
68) m/p-Xylenes	10.35	106	5552005	774.850	ug/l	88
69) o-Xylene	10.68	106	1170722	170.717	ug/l	97
73) Isopropylbenzene	11.01	105	7239305	347.302	ug/l	94
78) n-propylbenzene	11.35	91	8665054	366.862	ug/l	94
80) 1,3,5-Trimethylbenzene	11.49	105	1475428	85.716	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	4994601	289.775	ug/l	95
85) sec-Butylbenzene	11.93	105	271965	13.254	ug/l	98
86) p-Isopropyltoluene	12.05	119	25179	1.343	ug/l #	50
89) n-Butylbenzene	12.37	91	182924m	10.659	ug/l	
95) Naphthalene	13.82	128	6833498	329.713	ug/l	98

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

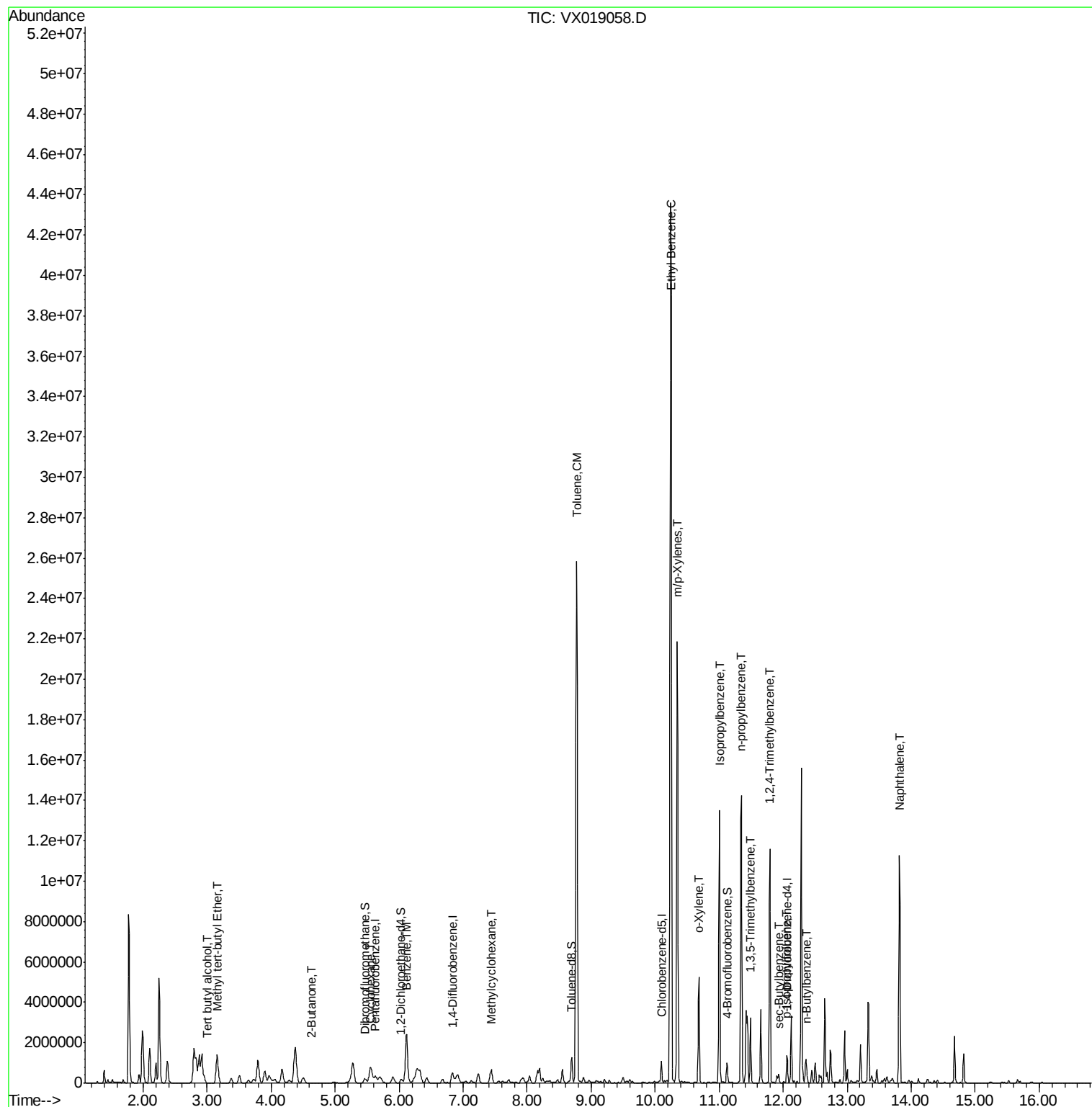
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019058.D
Acq On : 23 Oct 2020 03:56
Operator : JC/SP
Sample : L4417-21
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

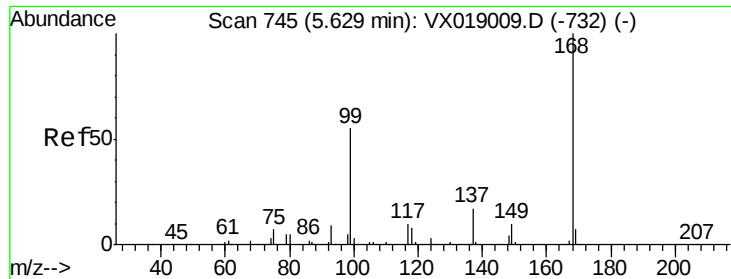
Instrument :
MSVOA_X
ClientSampleId :
MW-3

Manual Integrations
APPROVED

MMDadoda
10/23/2020 1:39:22 PM

Quant Time: Oct 23 09:35:04 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

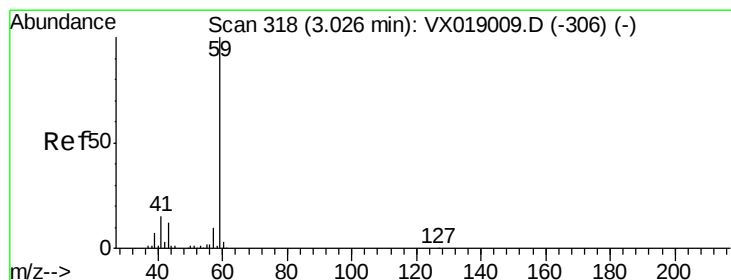
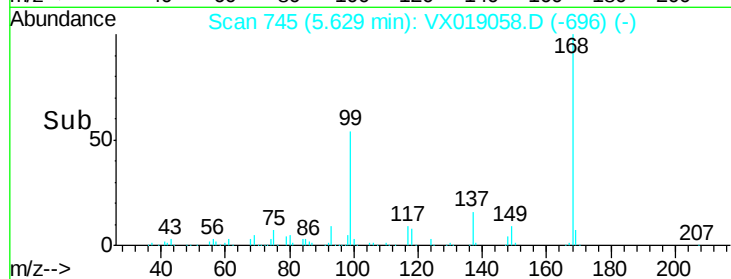
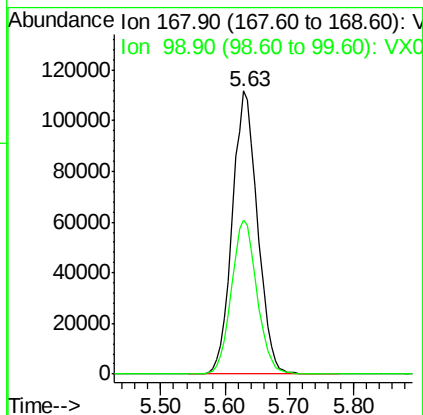
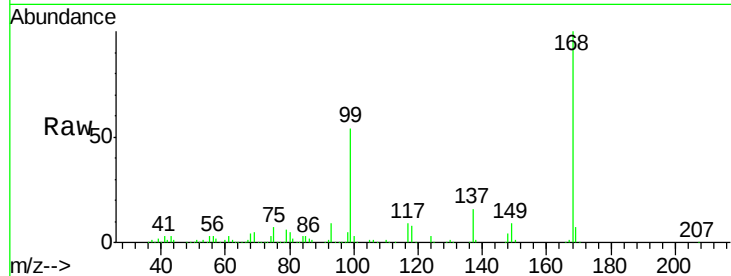
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VX019058.D
 Acq: 23 Oct 2020 03:56

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.4	44.2	66.2

Manual Integrations
 APPROVED

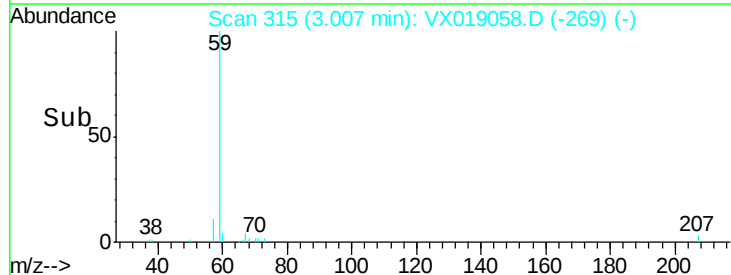
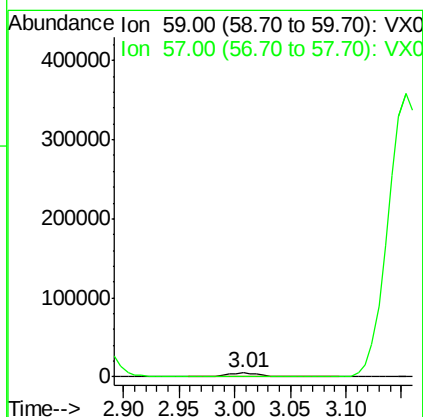
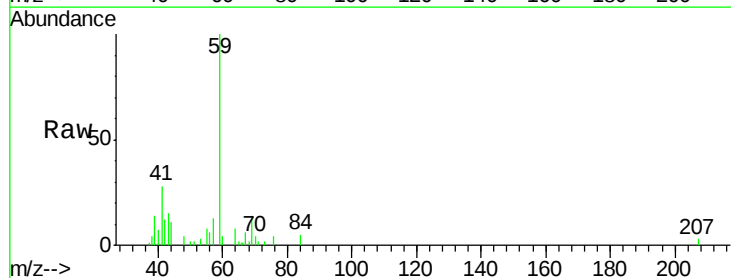
MMDadoda
 10/23/2020 1:39:22 PM

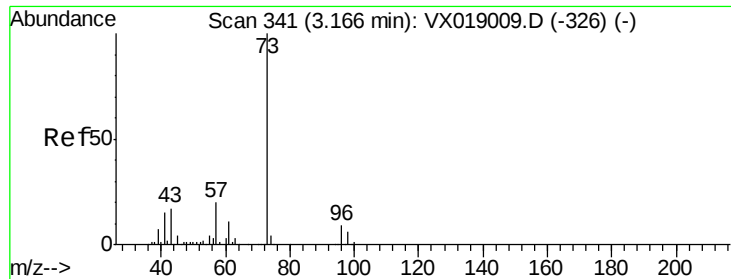


#11

Tert butyl alcohol
 Concen: 14.511 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VX019058.D
 Acq: 23 Oct 2020 03:56

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#





#19

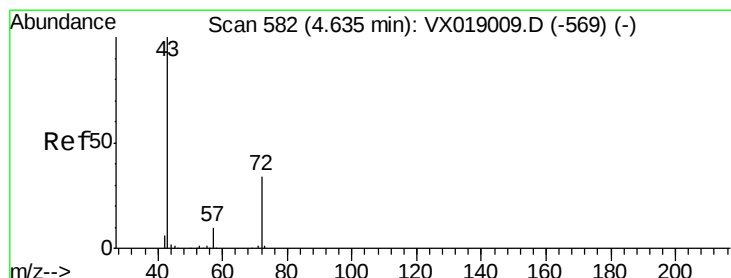
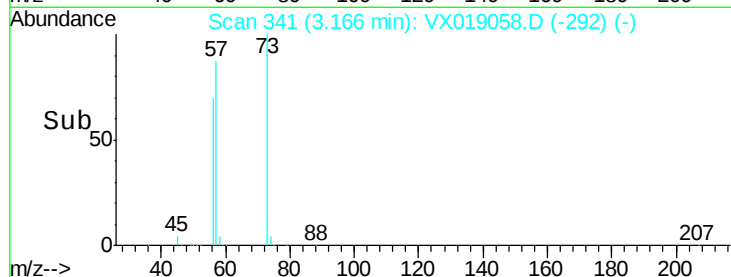
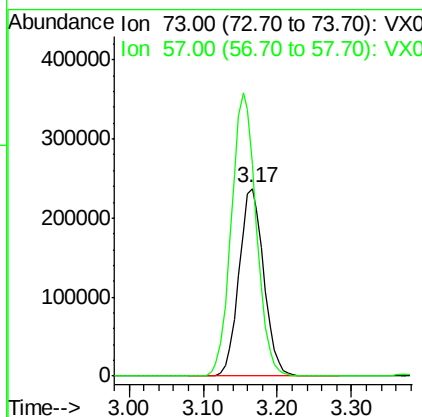
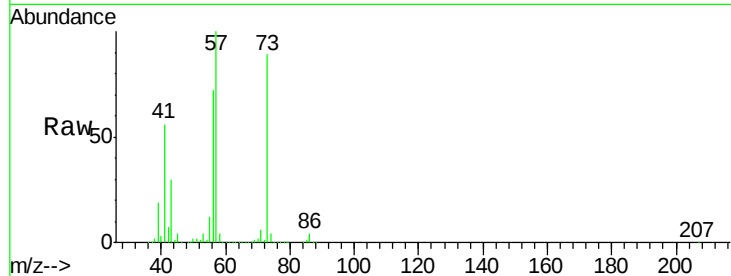
Methyl tert-butyl Ether
 Concen: 58.830 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX019058.D
 Acq: 23 Oct 2020 03:56

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion	Ratio	Lower	Upper
73	100		
57	112.8	16.2	24.2#

Manual Integrations
 APPROVED

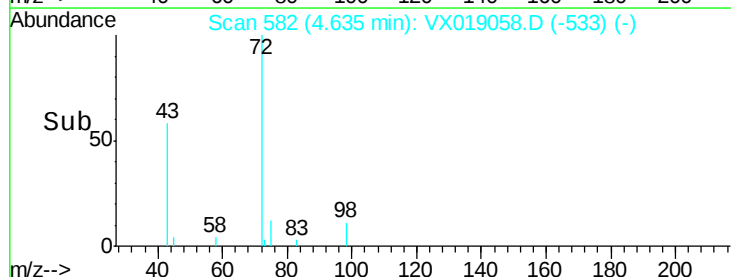
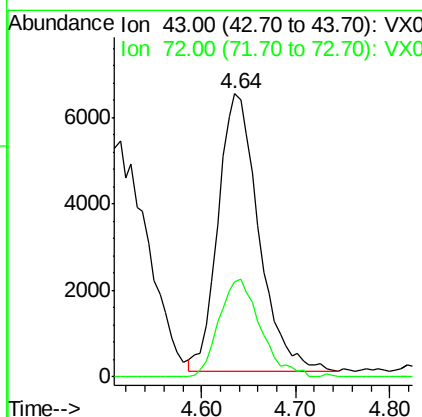
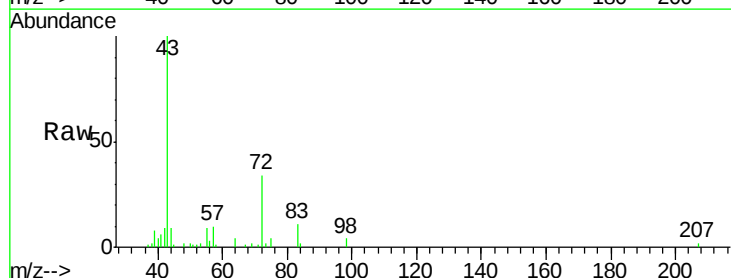
MMDadoda
 10/23/2020 1:39:22 PM

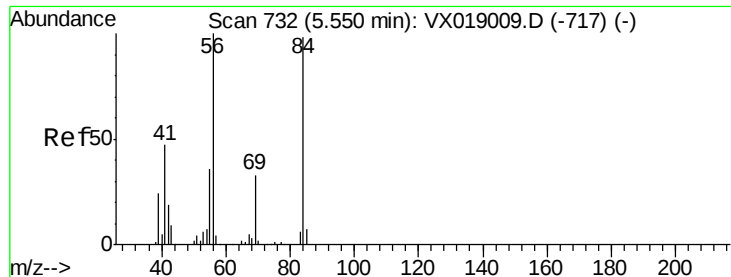


#25

2-Butanone
 Concen: 9.720 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX019058.D
 Acq: 23 Oct 2020 03:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	34.4	27.8	41.6





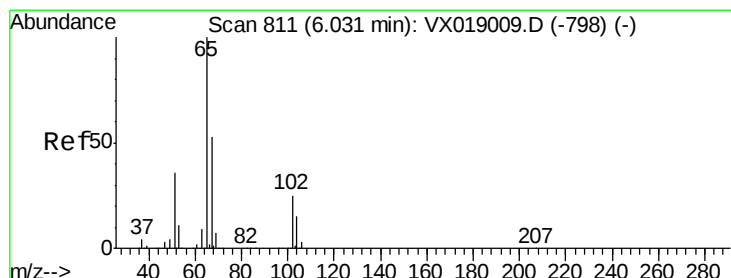
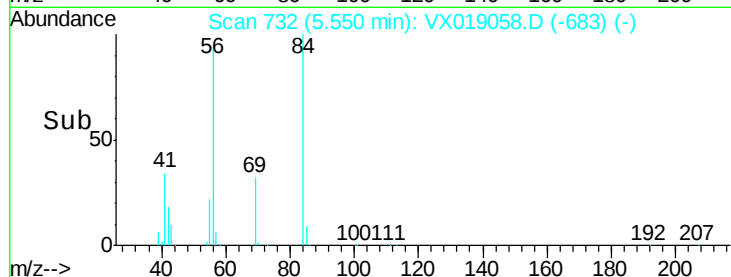
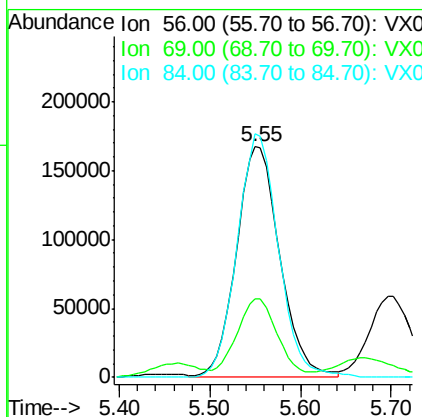
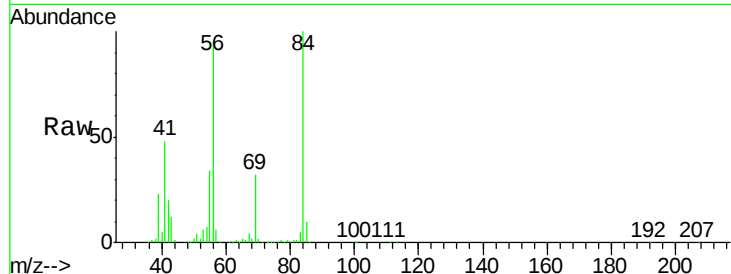
#31
Cyclohexane
Concen: 129.839 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	26.2	39.2
84	106.5	78.3	117.5

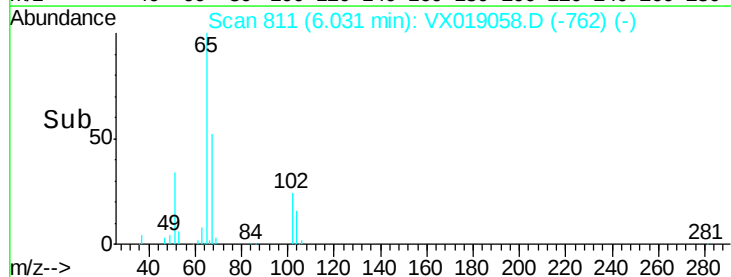
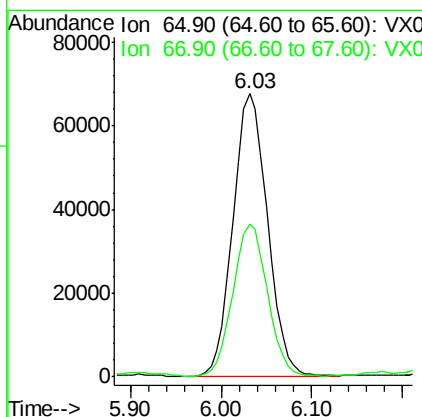
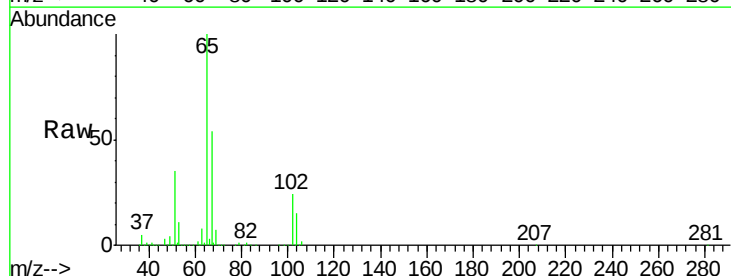
Manual Integrations
APPROVED

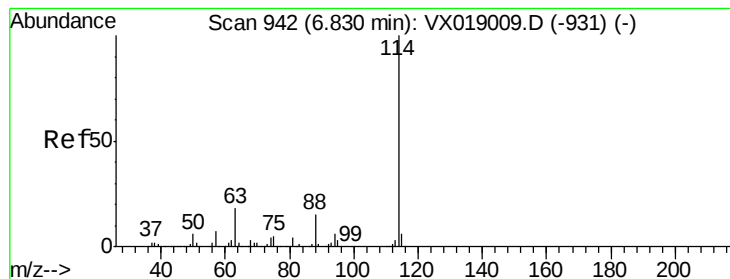
MMDadoda
10/23/2020 1:39:22 PM



#33
1,2-Dichloroethane-d4
Concen: 48.895 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.6	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: VX019058.D

Acq: 23 Oct 2020 03:56

Instrument :

MSVOA_X

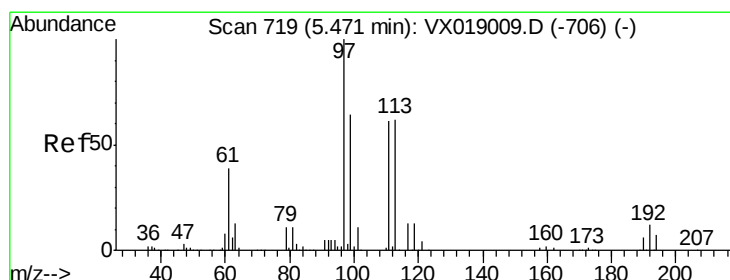
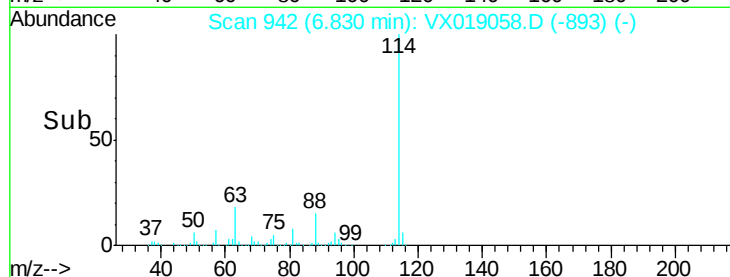
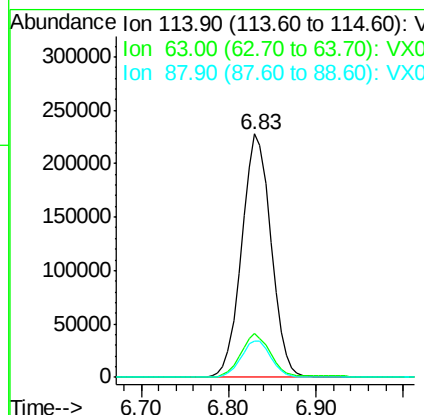
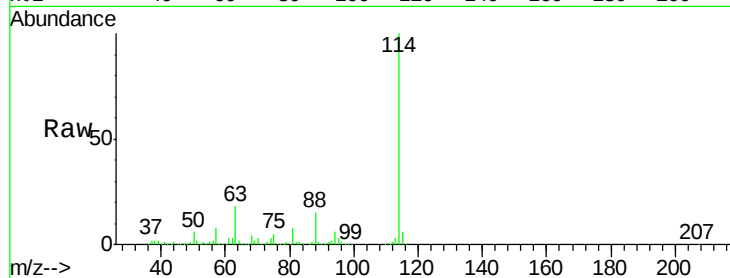
ClientSampleId :

MW-3

Tot Ion:	114	Resp:	532089
Ion Ratio	Lower	Upper	
114	100		
63	18.0	0.0	36.8
88	14.7	0.0	30.2

Manual Integrations
APPROVED

MMDadoda
10/23/2020 1:39:22 PM



#35

Dibromofluoromethane

Concen: 48.348 ug/l

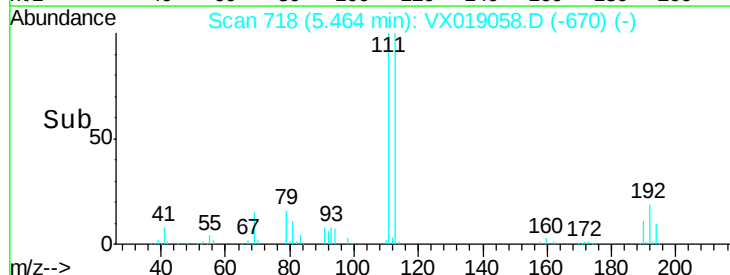
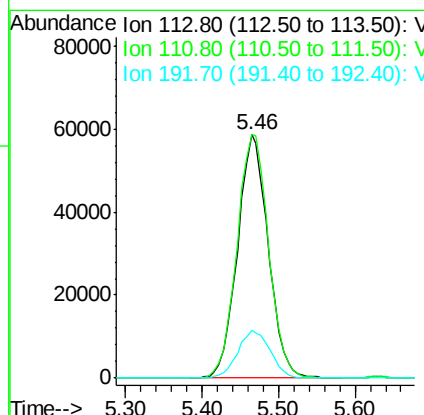
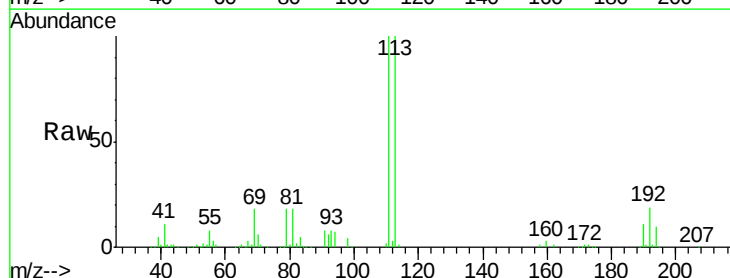
RT: 5.46 min Scan# 718

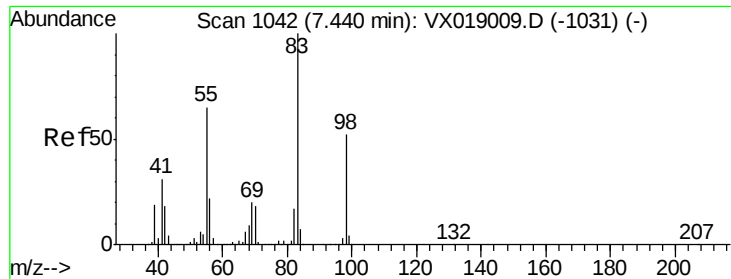
Delta R.T. -0.01 min

Lab File: VX019058.D

Acq: 23 Oct 2020 03:56

Tgt Ion:	113	Resp:	162877
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.5	122.3
192	20.7	16.3	24.5





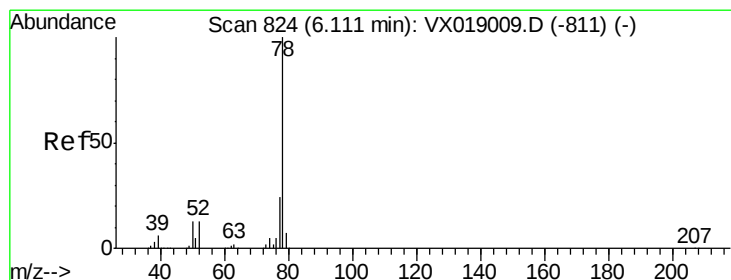
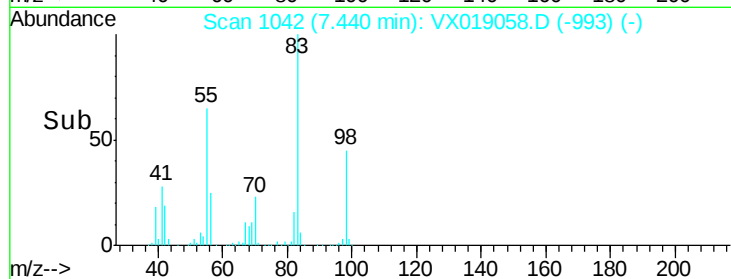
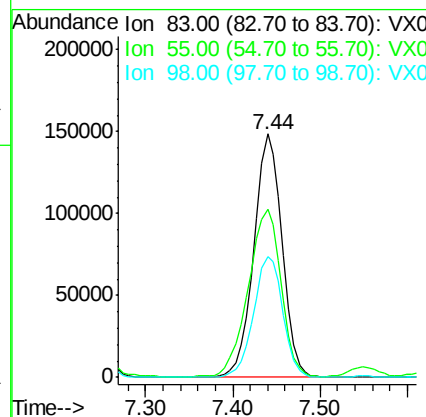
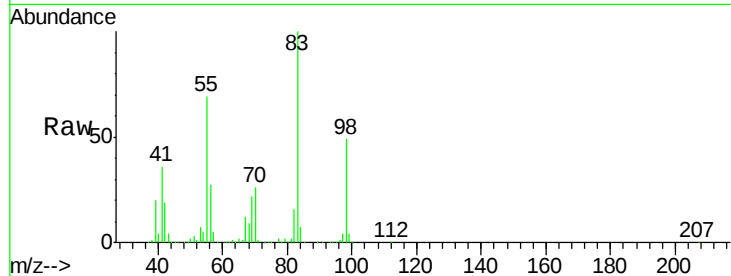
#39
Methvlcvclohexane
Concen: 61.883 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	51.8	77.6
98	49.5	41.4	62.2

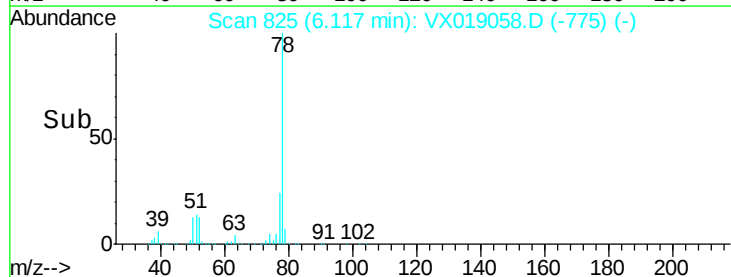
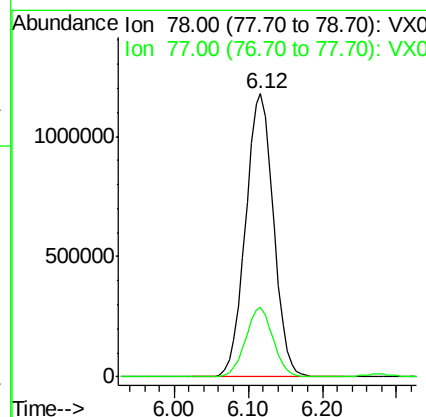
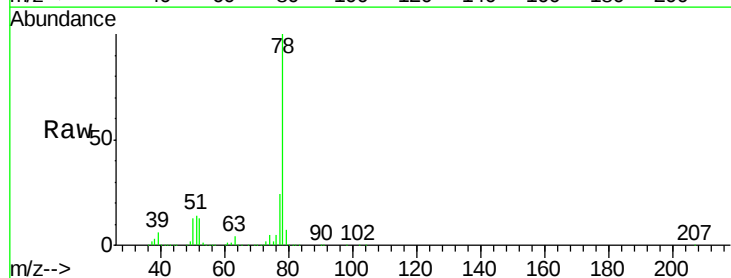
Manual Integrations
APPROVED

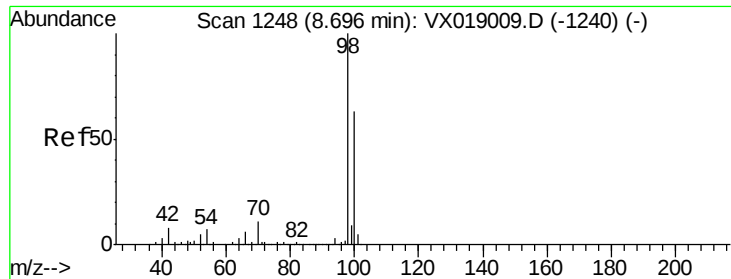
MMDadoda
10/23/2020 1:39:22 PM



#40
Benzene
Concen: 220.242 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.3	28.9





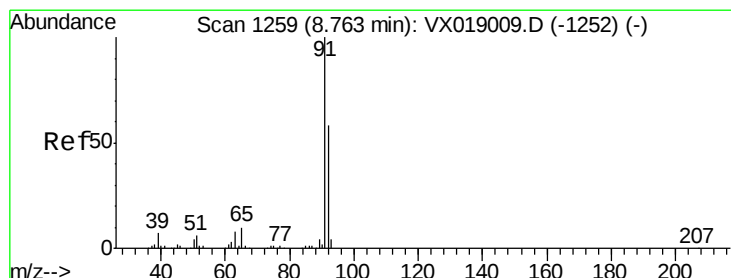
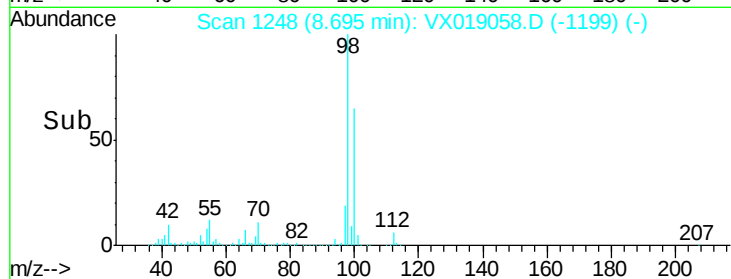
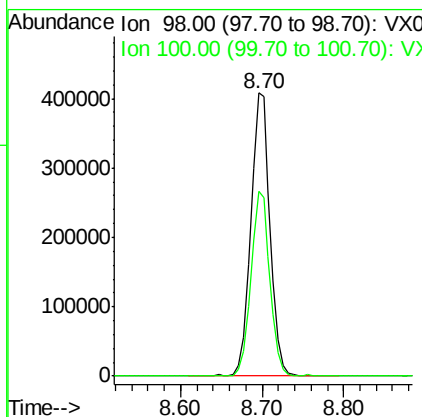
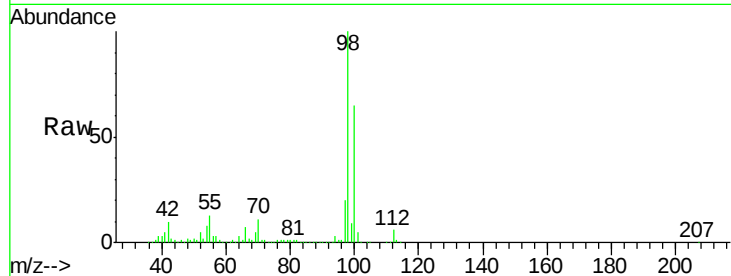
#50
Toluene-d8
Concen: 52.330 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion: 98 Resp: 672728
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1

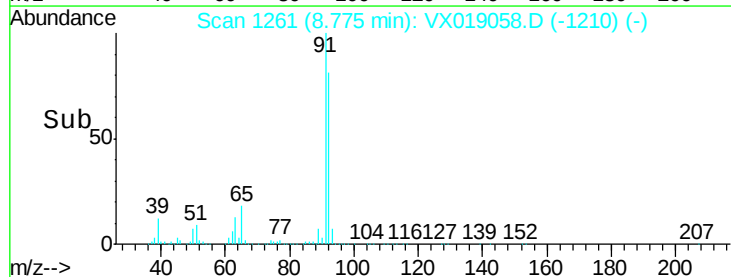
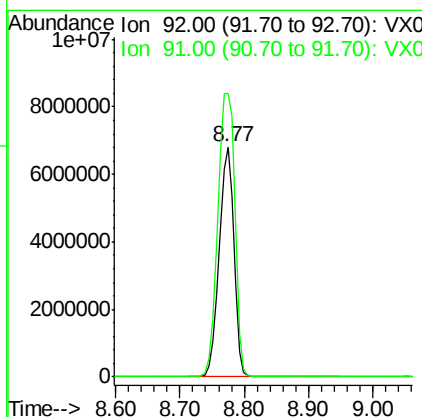
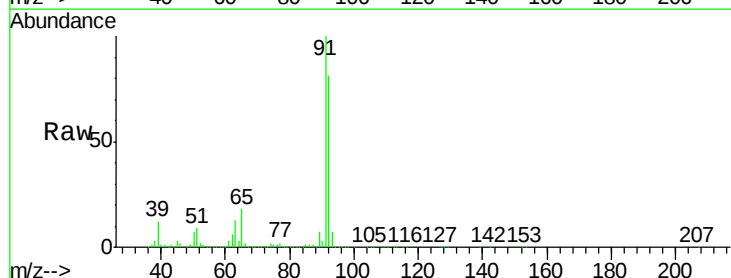
Manual Integrations
APPROVED

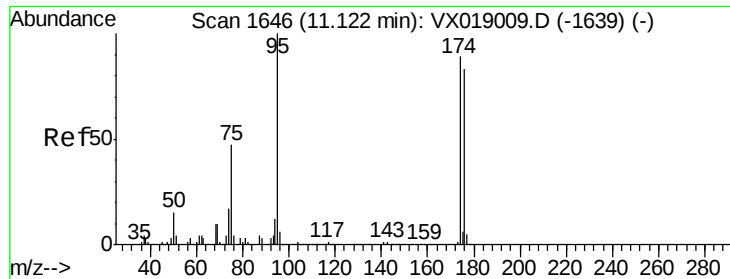
MMDadoda
10/23/2020 1:39:22 PM



#52
Toluene
Concen: 1192.583 ug/l
RT: 8.77 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Tgt Ion: 92 Resp: 11075895
Ion Ratio Lower Upper
92 100
91 143.6 138.6 208.0





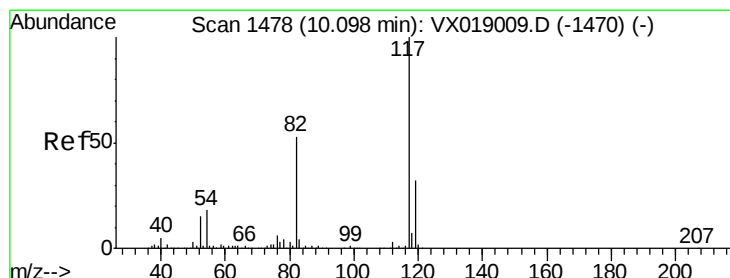
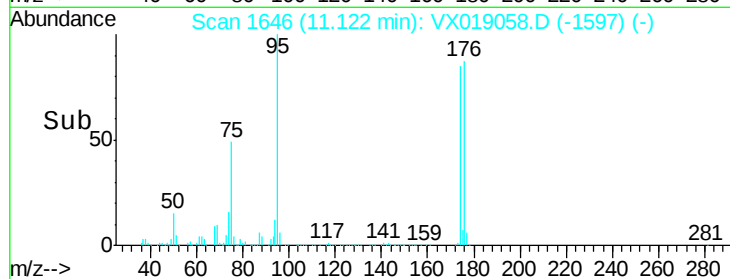
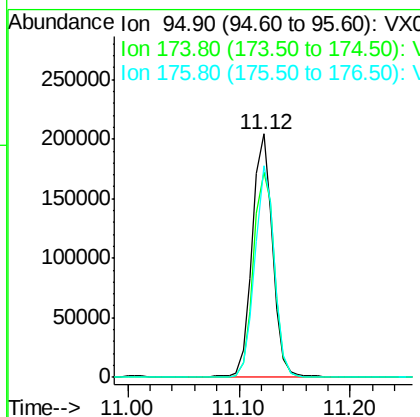
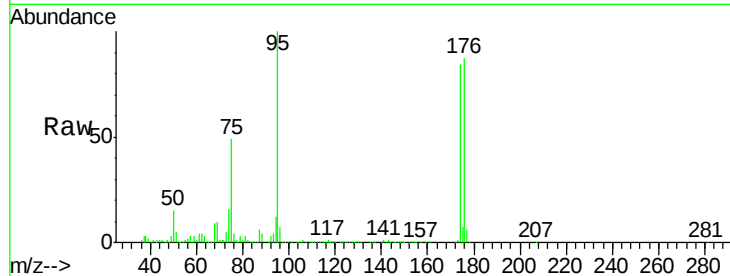
#62
4-Bromofluorobenzene
Concen: 56.770 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion	Ratio	Resp	Lower	Upper
95	100	259595		
174	86.7	0.0	167.6	
176	83.7	0.0	165.2	

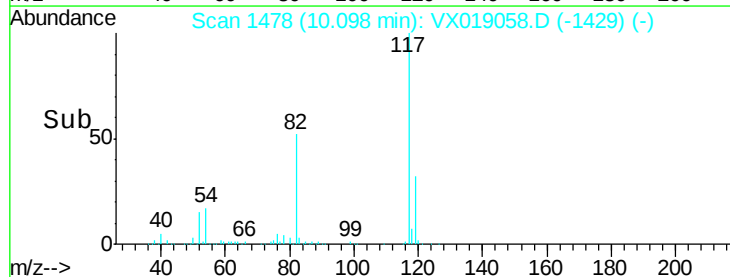
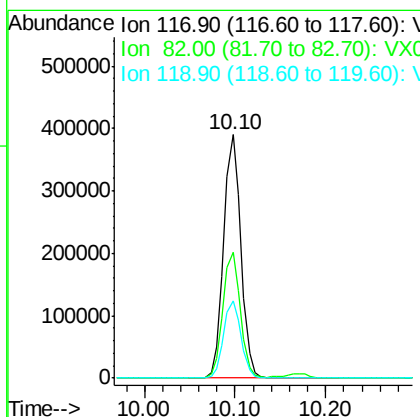
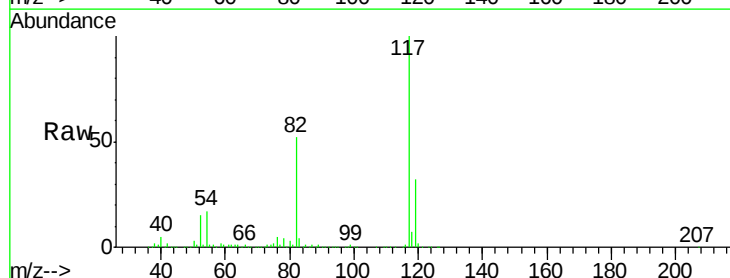
Manual Integrations
APPROVED

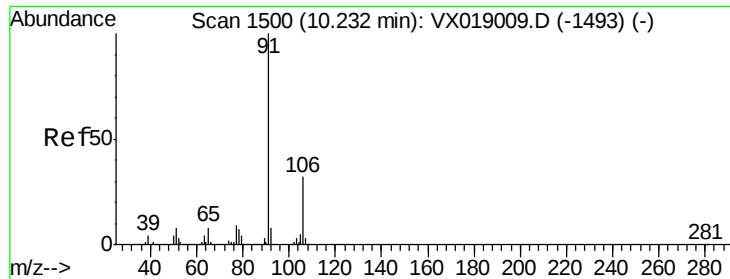
MMDadoda
10/23/2020 1:39:22 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	517330		
82	51.9	42.4	63.6	
119	31.6	25.6	38.4	





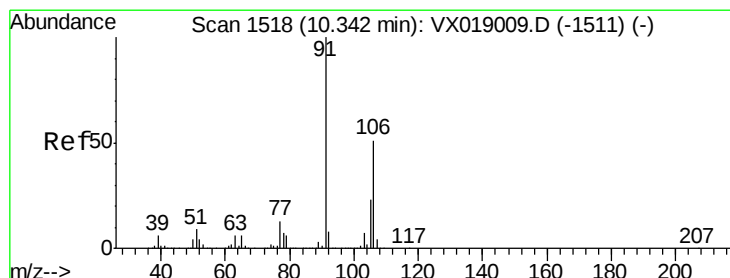
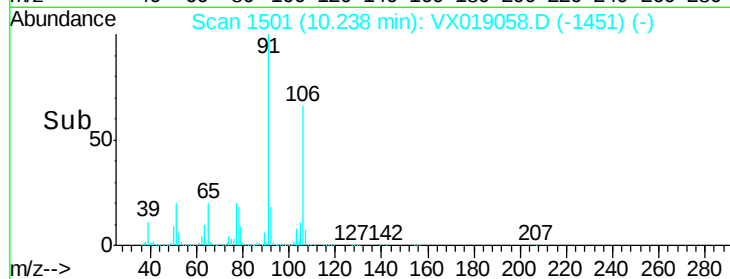
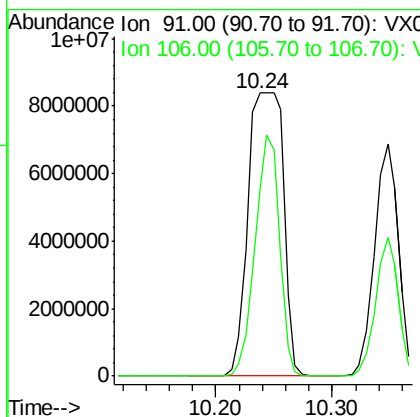
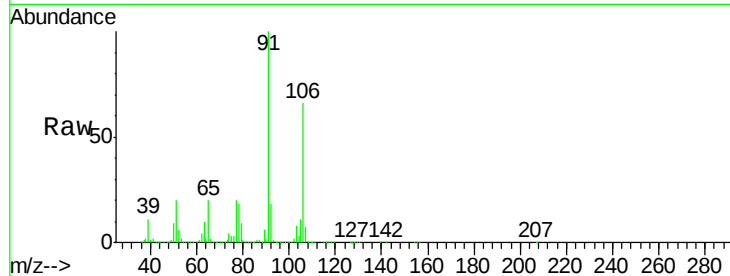
#67
Ethyl Benzene
Concen: 956.737 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion: 91 Resp: 17895870
Ion Ratio Lower Upper
91 100
106 66.1 25.3 37.9#

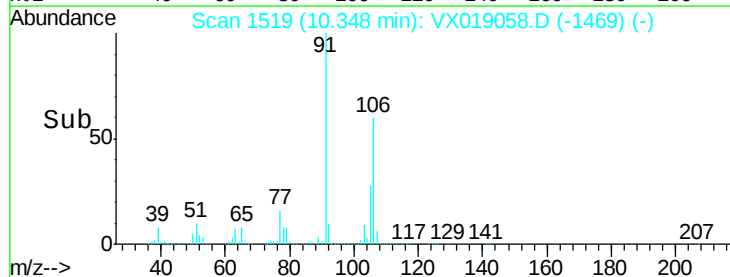
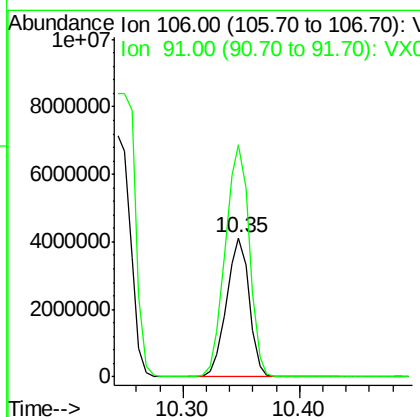
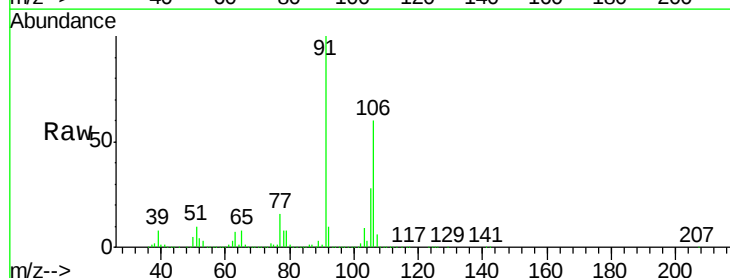
Manual Integrations
APPROVED

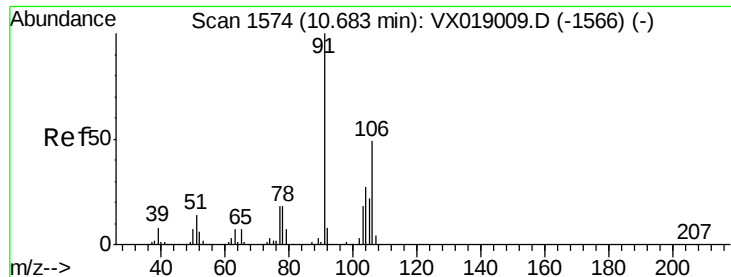
MMDadoda
10/23/2020 1:39:22 PM



#68
m/p-Xylenes
Concen: 774.850 ug/l
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Tgt Ion: 106 Resp: 5552005
Ion Ratio Lower Upper
106 100
91 177.4 156.9 235.3





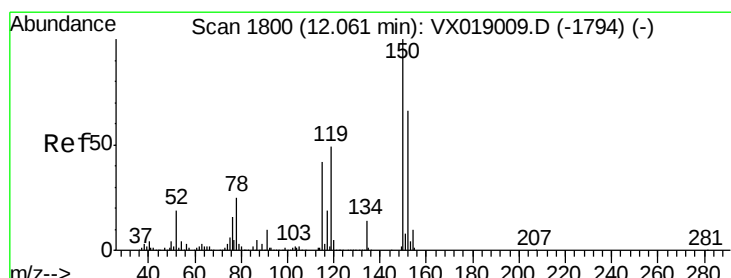
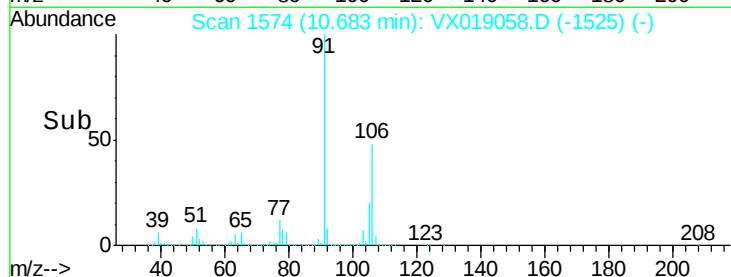
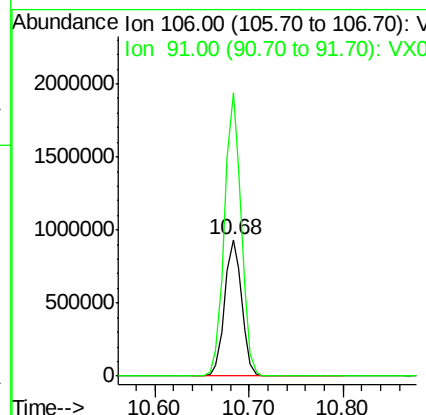
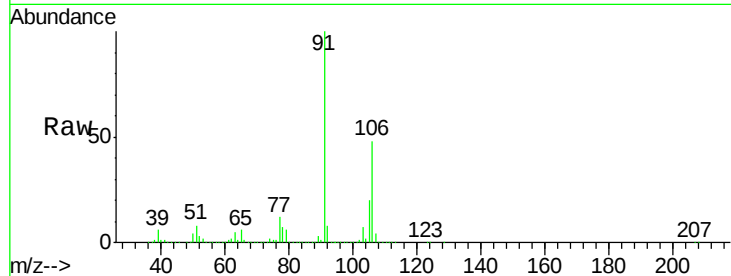
#69
o-Xylene
Concen: 170.717 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion:106 Resp: 1170722
Ion Ratio Lower Upper
106 100
91 203.3 104.0 312.0

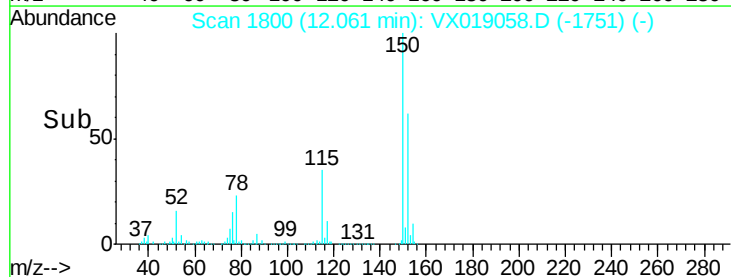
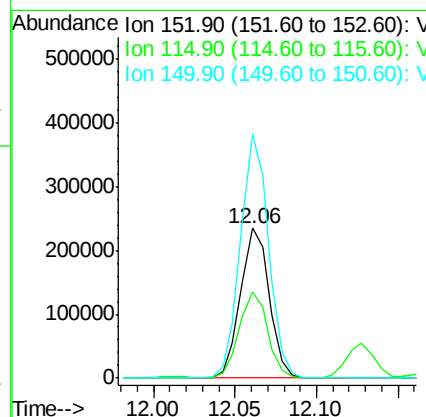
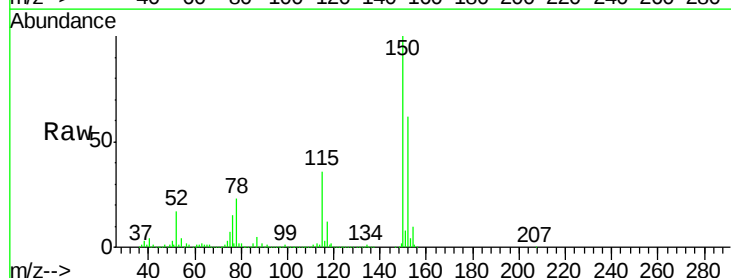
Manual Integrations
APPROVED

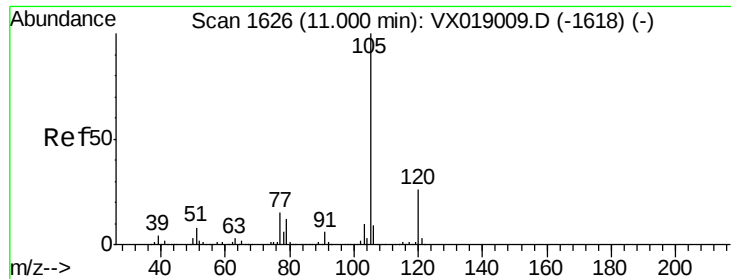
MMDadoda
10/23/2020 1:39:22 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Tgt Ion:152 Resp: 289756
Ion Ratio Lower Upper
152 100
115 56.5 40.8 122.5
150 158.2 0.0 345.6





#73

Isopropylbenzene

Concen: 347.302 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX019058.D

Acq: 23 Oct 2020 03:56

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion:105 Resp: 7239305

Ion Ratio Lower Upper

105 100

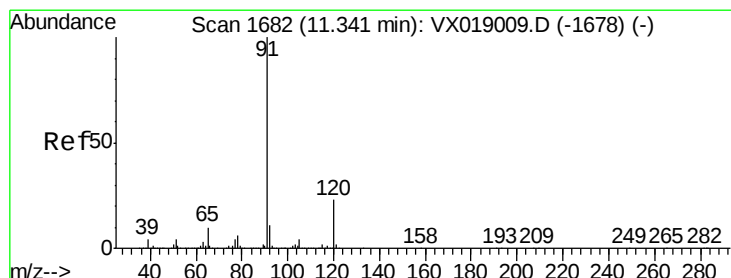
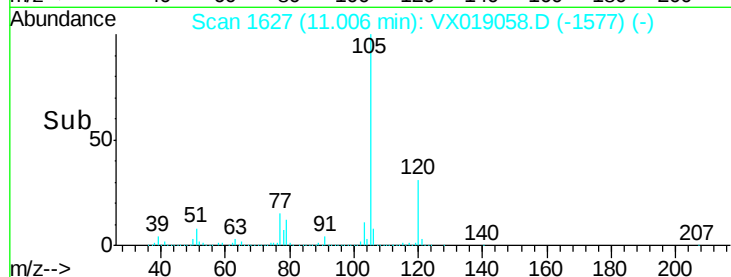
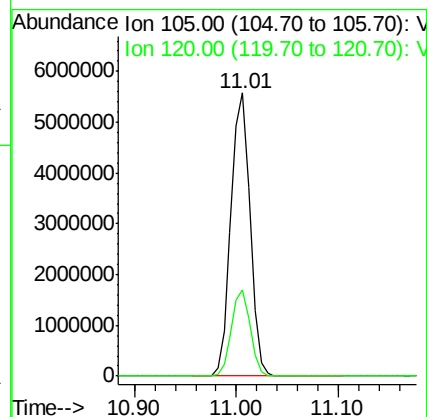
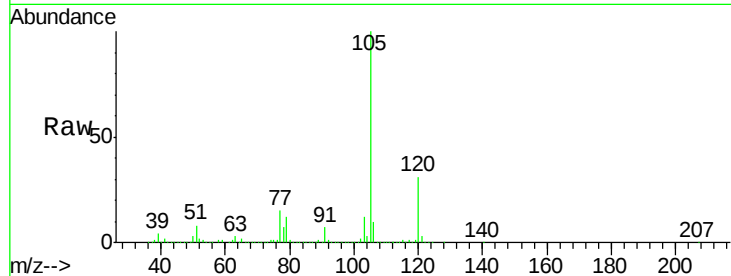
120 29.7 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

10/23/2020 1:39:22 PM



#78

n-propylbenzene

Concen: 366.862 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX019058.D

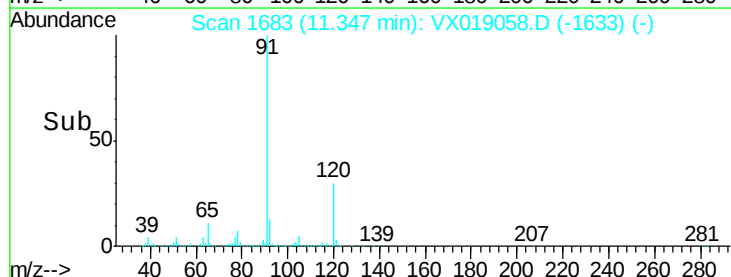
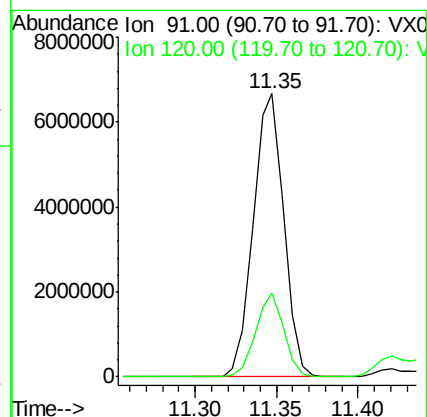
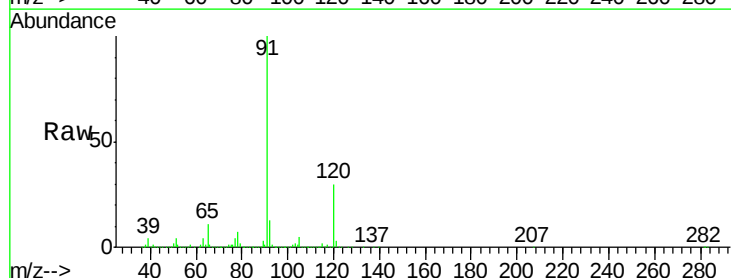
Acq: 23 Oct 2020 03:56

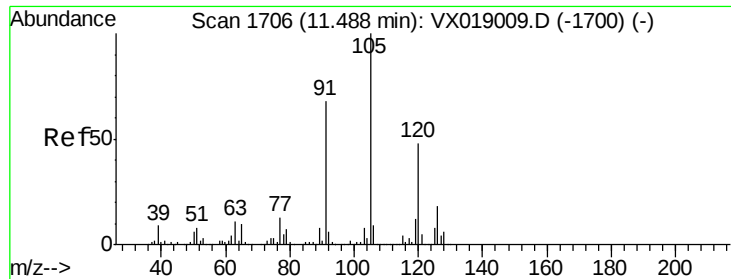
Tgt Ion: 91 Resp: 8665054

Ion Ratio Lower Upper

91 100

120 27.4 12.1 36.3





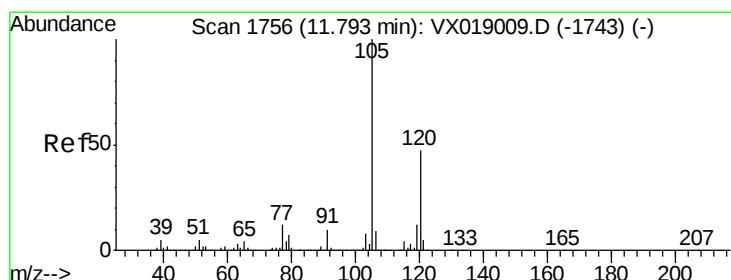
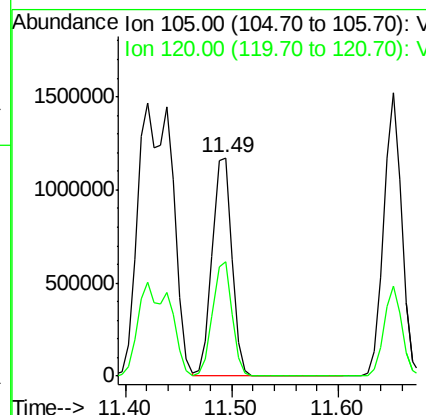
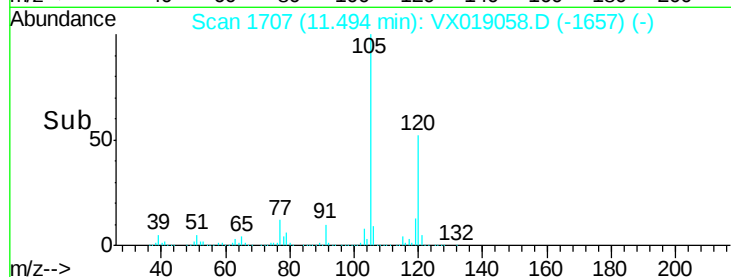
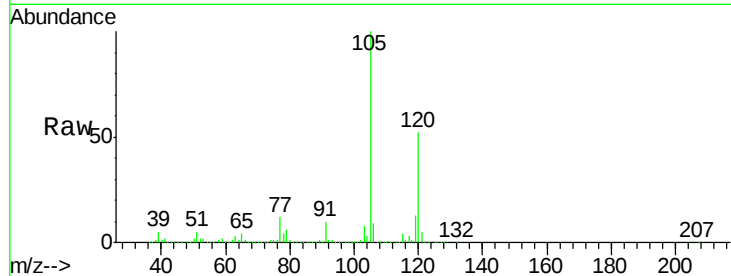
#80
 1,3,5-Trimethylbenzene
 Concen: 85.716 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX019058.D
 Acq: 23 Oct 2020 03:56

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion:105 Resp: 1475428
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.2 75.6

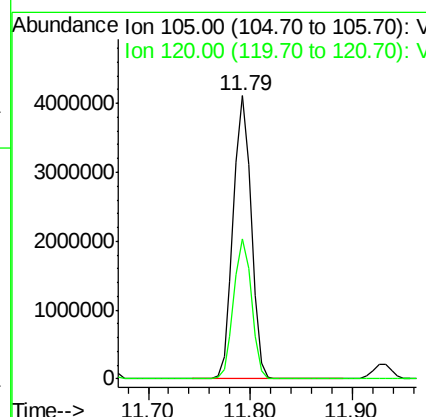
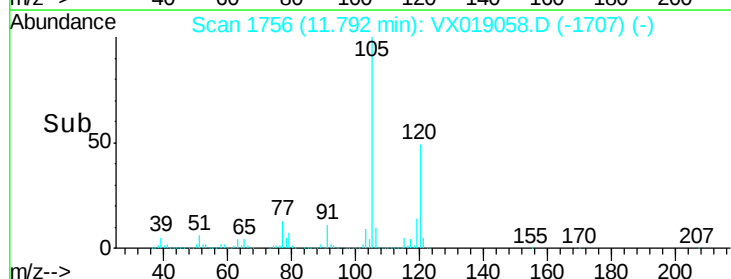
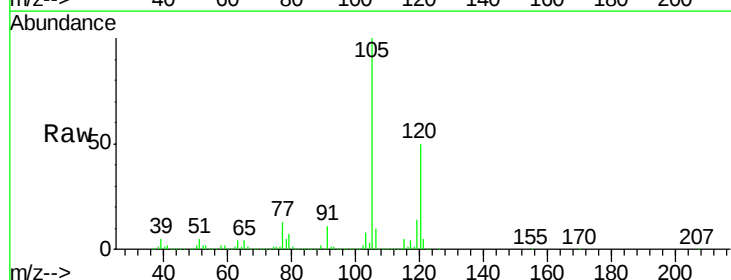
Manual Integrations
 APPROVED

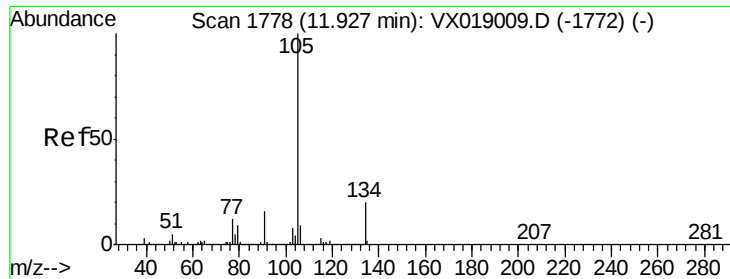
MMDadoda
 10/23/2020 1:39:22 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 289.775 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019058.D
 Acq: 23 Oct 2020 03:56

Tgt Ion:105 Resp: 4994601
 Ion Ratio Lower Upper
 105 100
 120 49.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 13.254 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX019058.D

Acq: 23 Oct 2020 03:56

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion:105 Resp: 271965

Ion Ratio Lower Upper

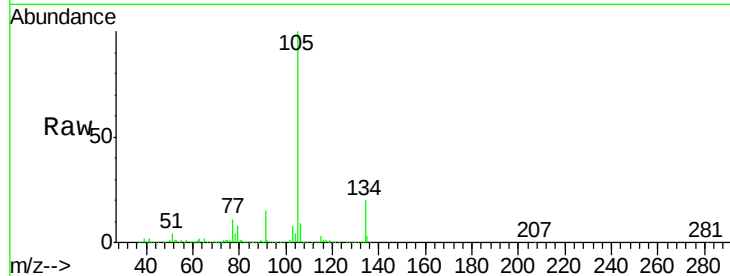
105 100

134 19.9 10.4 31.1

Manual Integrations
APPROVED

MMDadoda

10/23/2020 1:39:22 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

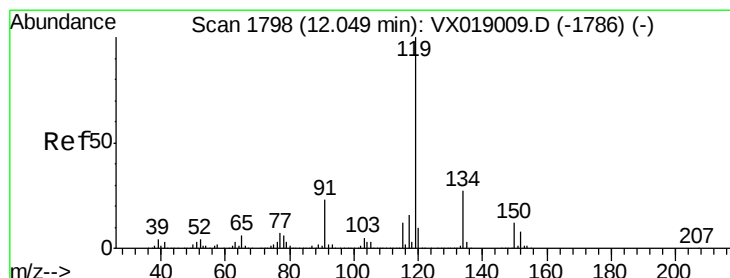
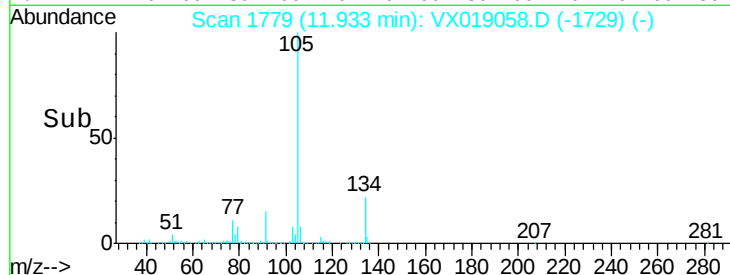
50000

0

Time-->

11.85 11.90 11.95 12.00

11.93



#86

p-Isopropyltoluene

Concen: 1.343 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019058.D

Acq: 23 Oct 2020 03:56

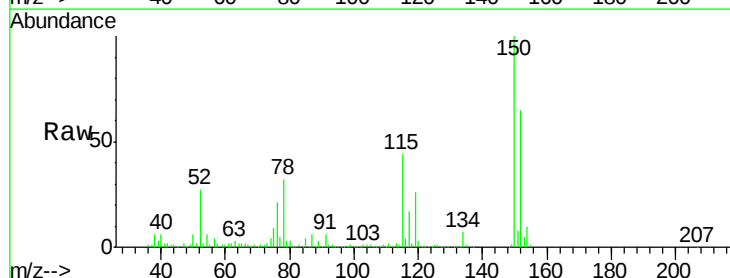
Tgt Ion:119 Resp: 25179

Ion Ratio Lower Upper

119 100

134 0.0 13.3 39.8#

91 0.0 11.4 34.2#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

60000

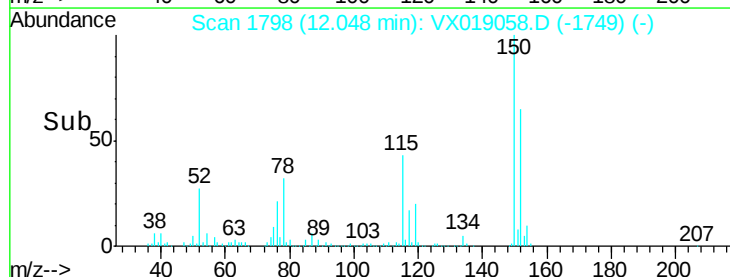
40000

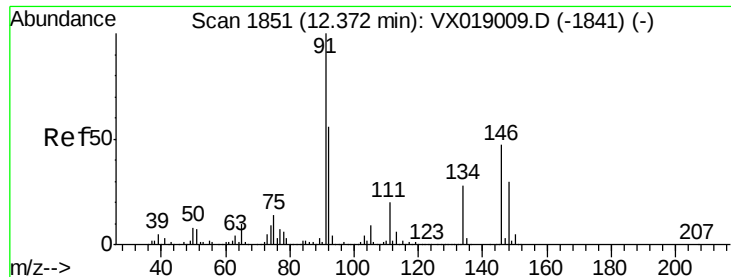
20000

0

Time-->

12.05 12.10





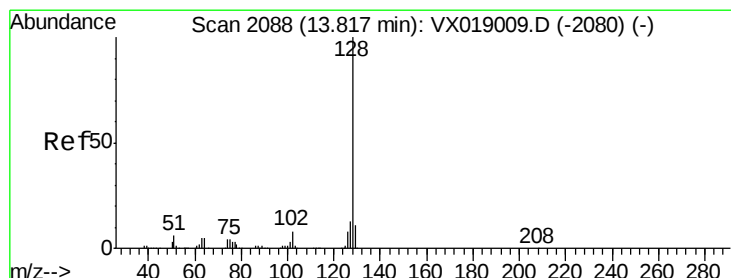
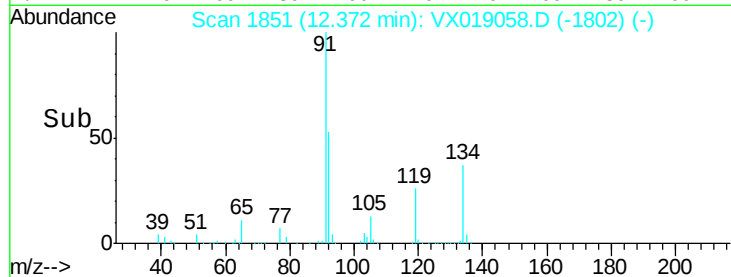
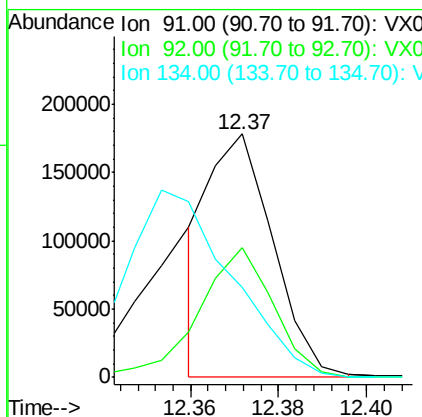
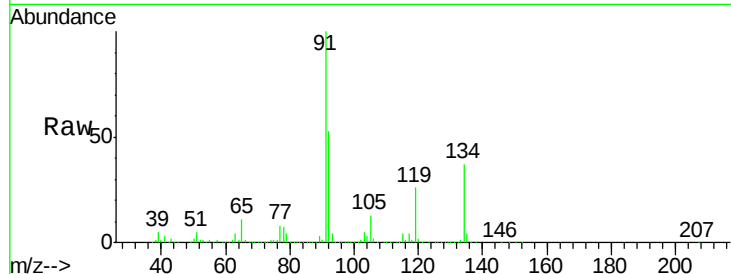
#89
n-Butylbenzene
Concen: 10.659 ug/l m
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.4	27.3	81.9
134	124.3	13.6	40.7#

Manual Integrations
APPROVED

MMDadoda
10/23/2020 1:39:22 PM



#95
Naphthalene
Concen: 329.713 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019058.D
Acq: 23 Oct 2020 03:56

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.8	8.7	13.1

