

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120720\
 Data File : VX019750.D
 Acq On : 07 Dec 2020 14:22
 Operator : JC/MD
 Sample : L4960-03DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5DL

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:05:10 PM

Quant Time: Dec 08 06:13:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	322798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	523180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	489415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192169	45.30	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.60%
35) Dibromofluoromethane	5.46	113	155370	45.95	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.90%
50) Toluene-d8	8.70	98	638620	49.47	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.94%
62) 4-Bromofluorobenzene	11.12	95	242911	49.44	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.88%

Target Compounds

					Qvalue
31) Cyclohexane	5.55	56	41568	7.877 ug/l #	92
39) Methylcyclohexane	7.43	83	62618	11.274 ug/l	92
52) Toluene	8.76	92	3122	0.346 ug/l	99
67) Ethyl Benzene	10.23	91	57476	3.321 ug/l	97
68) m/p-Xylenes	10.34	106	3168	0.486 ug/l	96
73) Isopropylbenzene	11.00	105	180620	11.308 ug/l	99
78) n-propylbenzene	11.34	91	928133	50.874 ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	11507m	0.854 ug/l	
83) tert-Butylbenzene	11.75	119	3121	0.236 ug/l #	42
84) 1,2,4-Trimethylbenzene	11.79	105	39057	2.876 ug/l	99
85) sec-Butylbenzene	11.93	105	113654	7.529 ug/l	97
86) p-Isopropyltoluene	12.05	119	6515m	0.471 ug/l	
89) n-Butylbenzene	12.37	91	90974	7.422 ug/l #	57
95) Naphthalene	13.82	128	51565	3.341 ug/l #	92

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

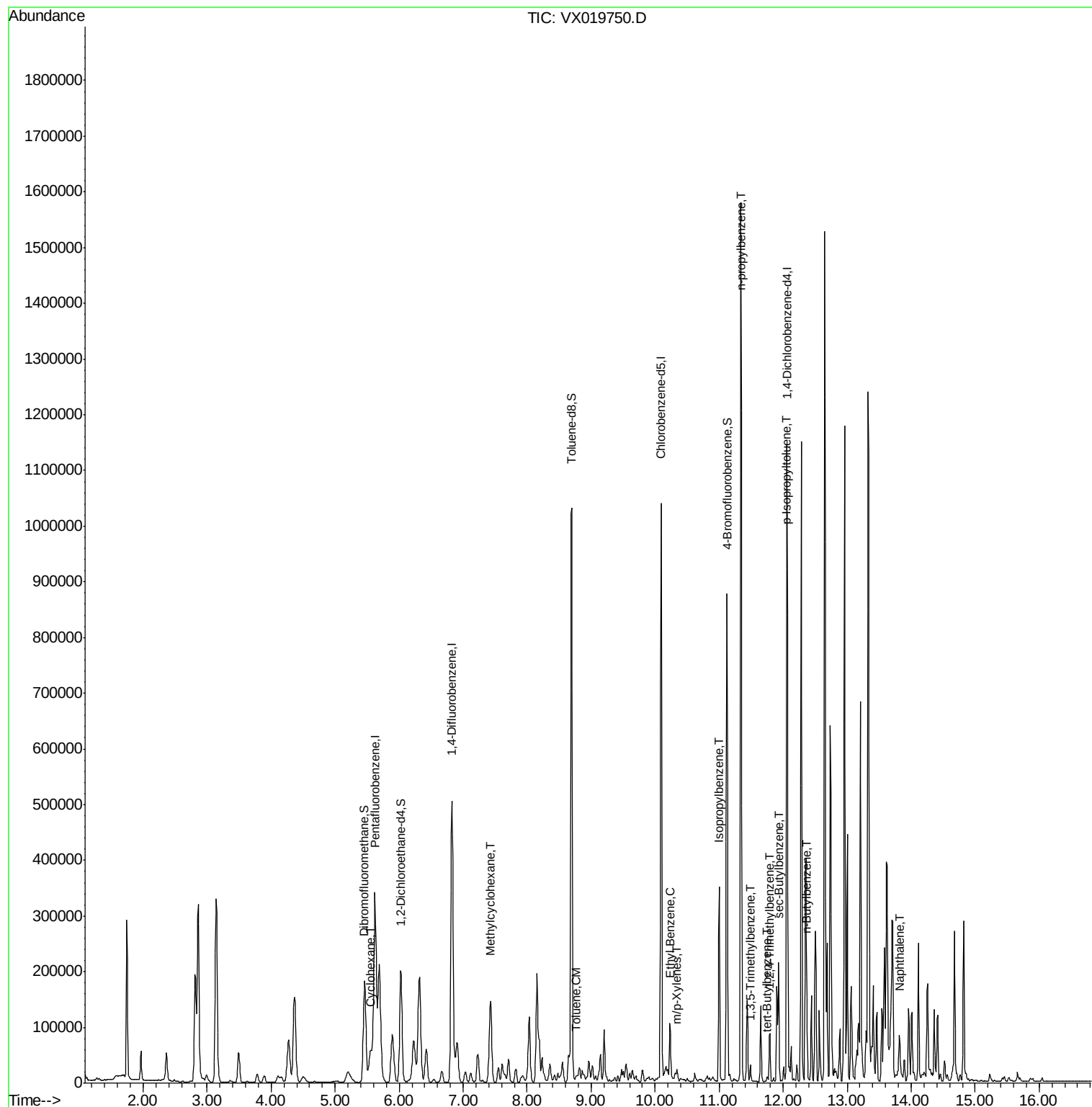
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120720\
Data File : VX019750.D
Acq On : 07 Dec 2020 14:22
Operator : JC/MD
Sample : L4960-03DL 4X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

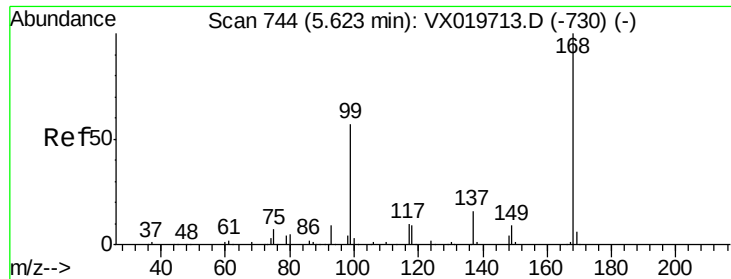
Instrument :
MSVOA_X
ClientSampleId :
MW-5DL

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:05:10 PM

Quant Time: Dec 08 06:13:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019750.D

Acq: 07 Dec 2020 14:22

Instrument :

MSVOA_X

ClientSampled :

MW-5DL

Tot Ion:168 Resp: 322798

Ion Ratio Lower Upper

168 100

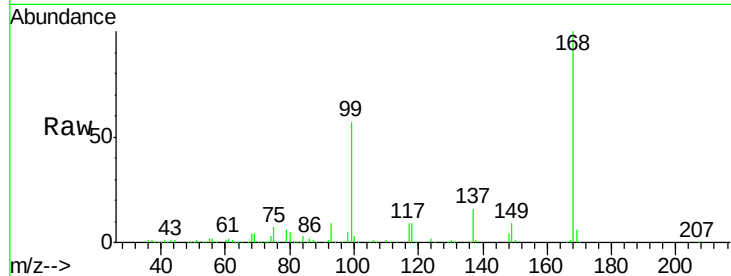
99 56.5 45.8 68.6

Manual Integrations

APPROVED

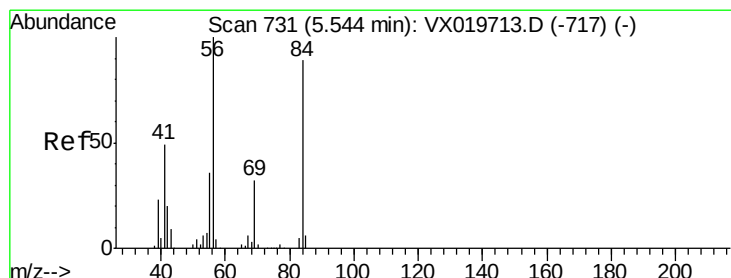
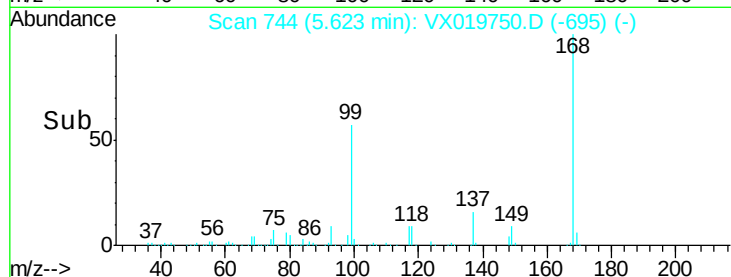
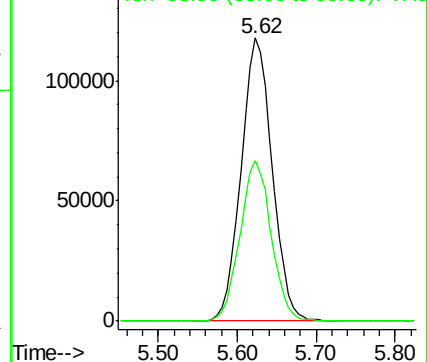
MMDadoda

12/8/2020 5:05:10 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 7.877 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX019750.D

Acq: 07 Dec 2020 14:22

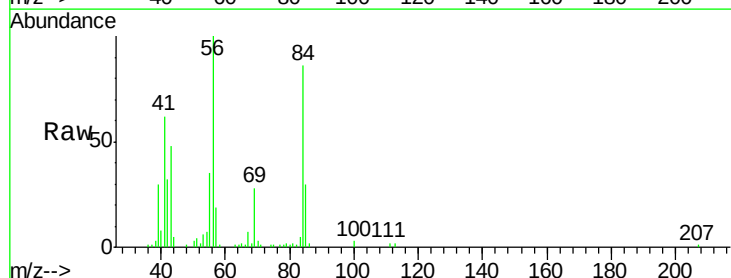
Tgt Ion: 56 Resp: 41568

Ion Ratio Lower Upper

56 100

69 17.6 25.3 37.9#

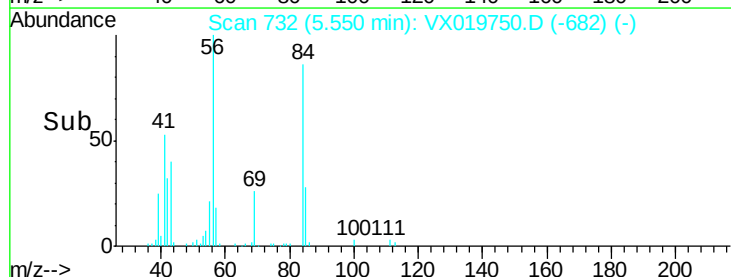
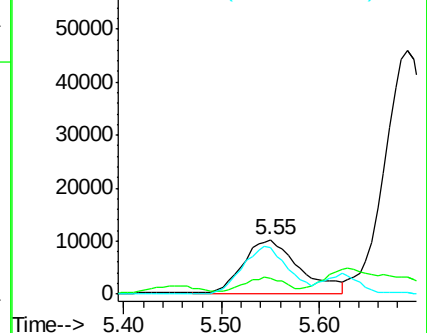
84 87.5 71.4 107.0

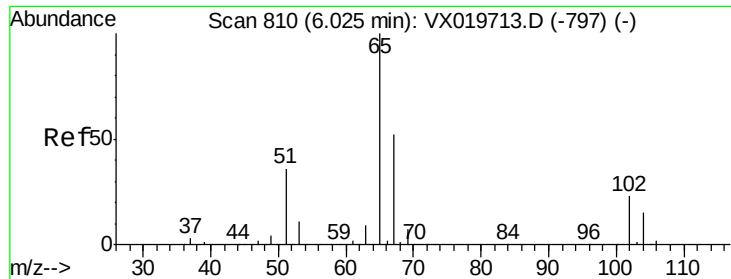


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





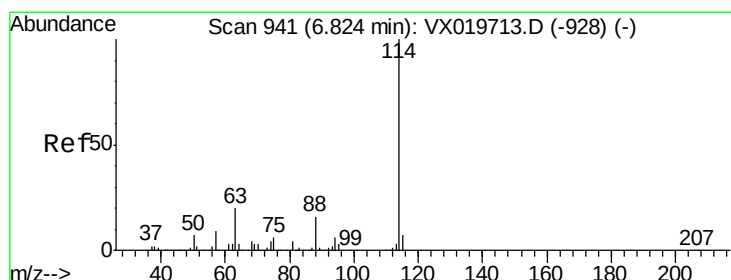
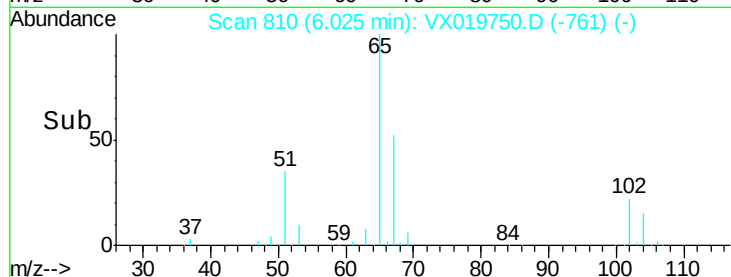
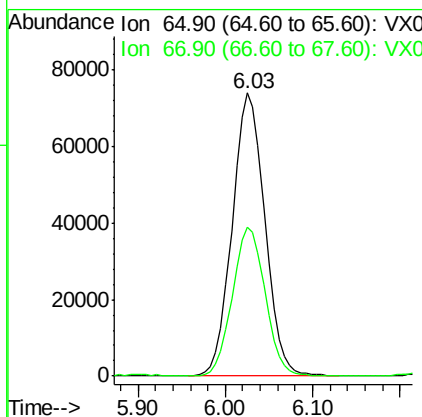
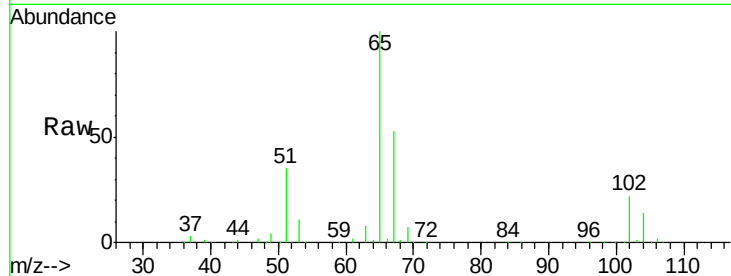
#33
 1,2-Dichloroethane-d4
 Concen: 45.296 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX019750.D
 Acq: 07 Dec 2020 14:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192169		
67	52.6	0.0	105.4	

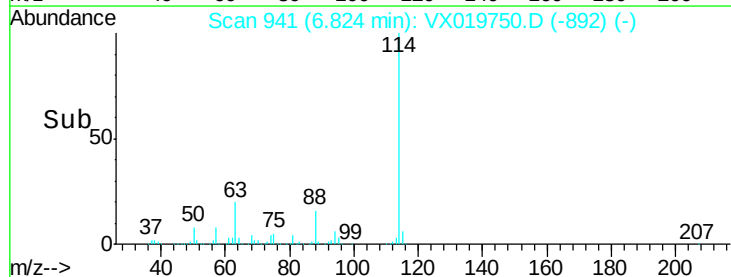
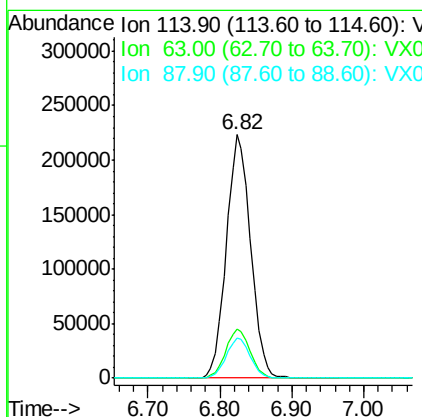
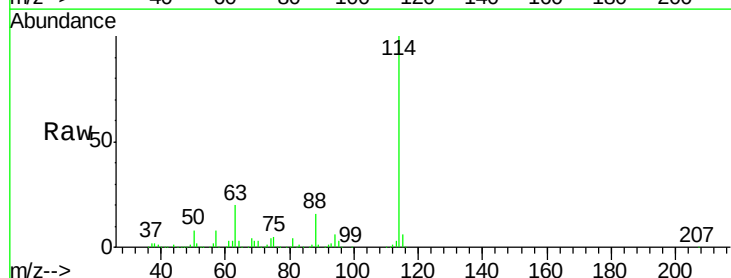
Manual Integrations
 APPROVED

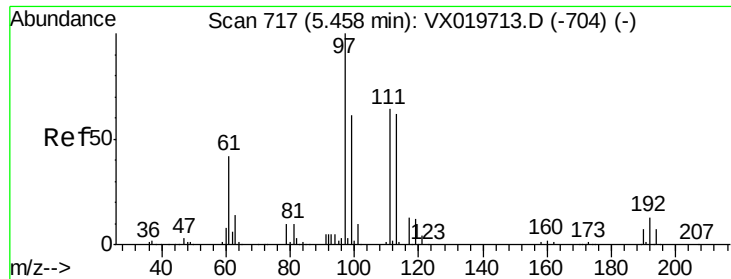
MMDadoda
 12/8/2020 5:05:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VX019750.D
 Acq: 07 Dec 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	523180		
63	20.3	0.0	40.8	
88	16.3	0.0	32.8	





#35

Dibromofluoromethane

Concen: 45.951 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX019750.D

Acq: 07 Dec 2020 14:22

Instrument :

MSVOA_X

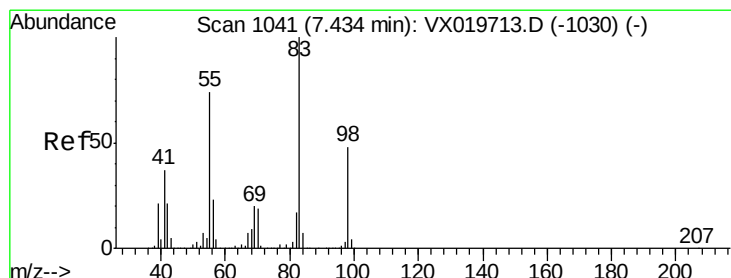
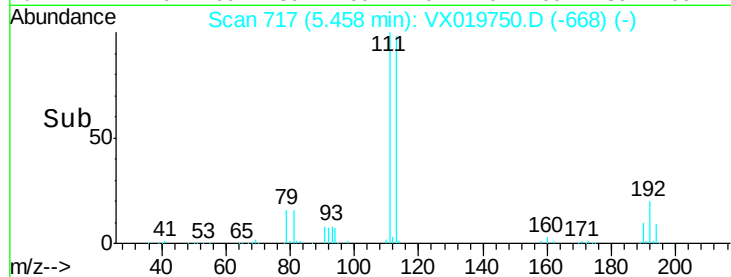
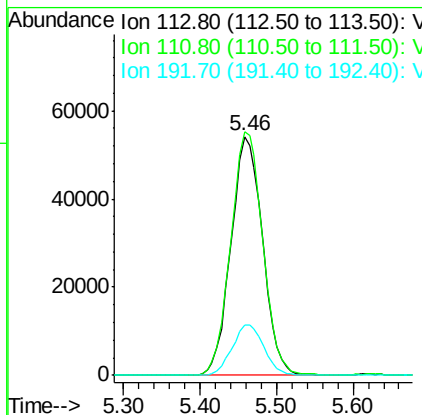
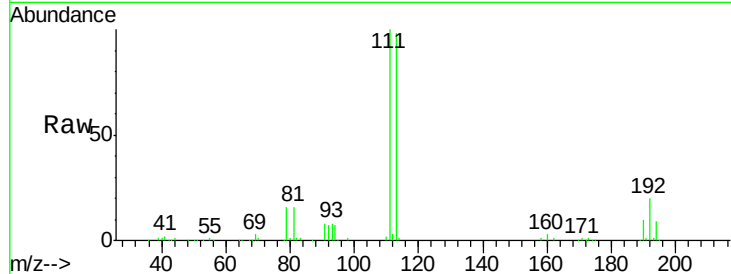
ClientSampleId :

MW-5DL

Tot Ion:	113	Resp:	155370
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.9	122.9
192	21.2	16.7	25.1

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:05:10 PM



#39

Methylcyclohexane

Concen: 11.274 ug/l

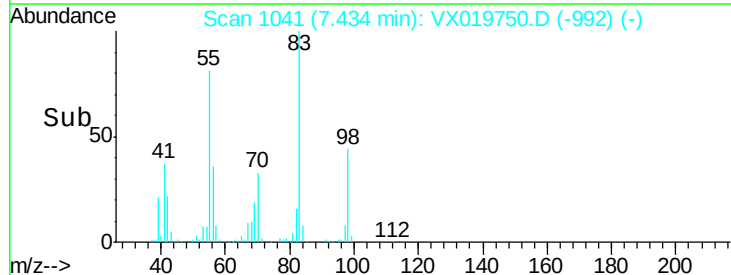
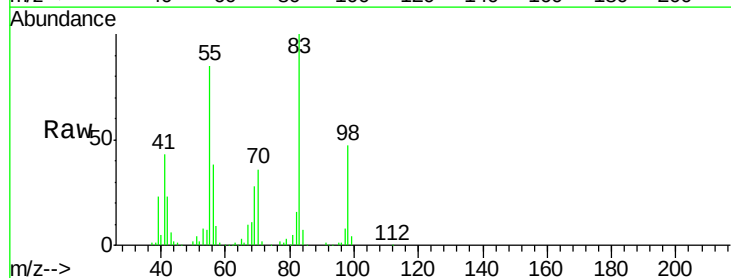
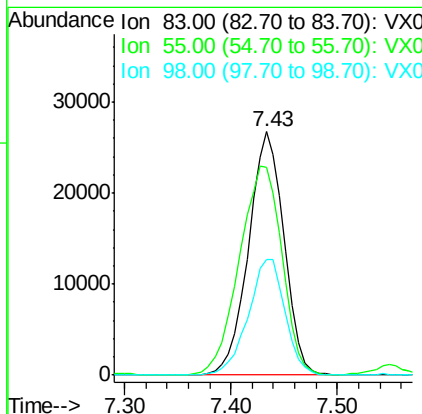
RT: 7.43 min Scan# 1041

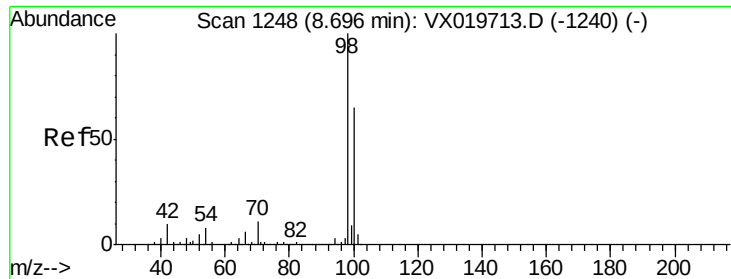
Delta R.T. -0.00 min

Lab File: VX019750.D

Acq: 07 Dec 2020 14:22

Tgt Ion:	83	Resp:	62618
Ion Ratio	Lower	Upper	
83	100		
55	85.2	58.9	88.3
98	47.5	38.1	57.1





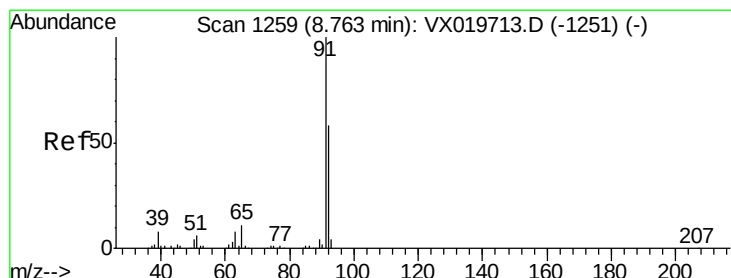
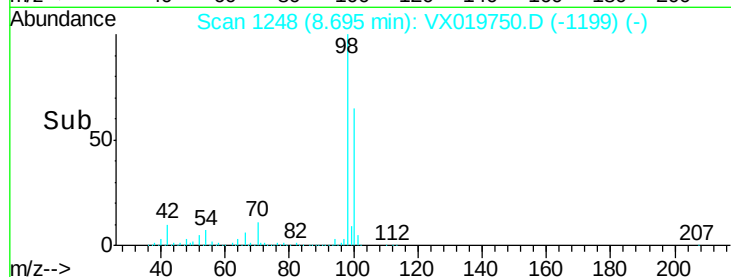
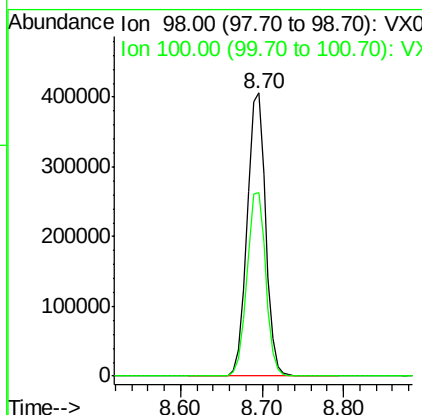
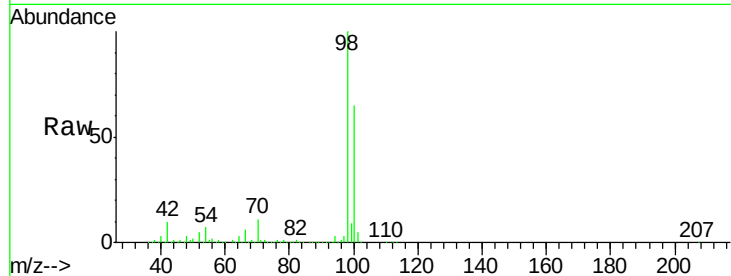
#50
Toluene-d8
Concen: 49.472 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019750.D
Acq: 07 Dec 2020 14:22

Instrument :
MSVOA_X
ClientSampleId :
MW-5DL

Tot Ion: 98 Resp: 638620
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9

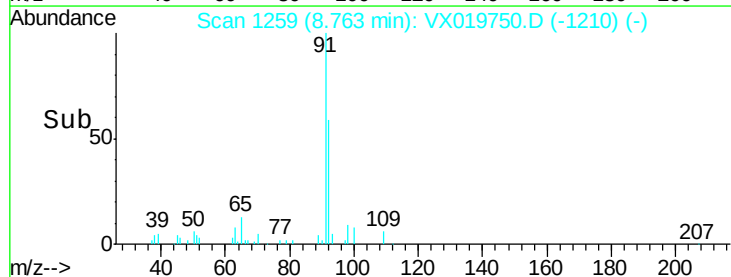
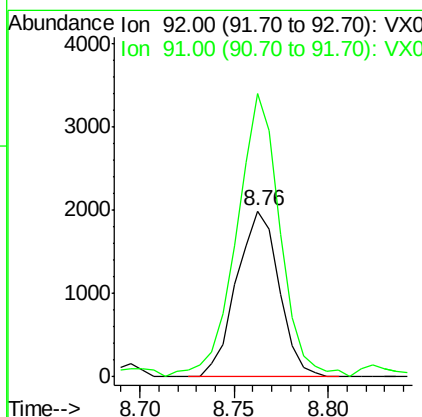
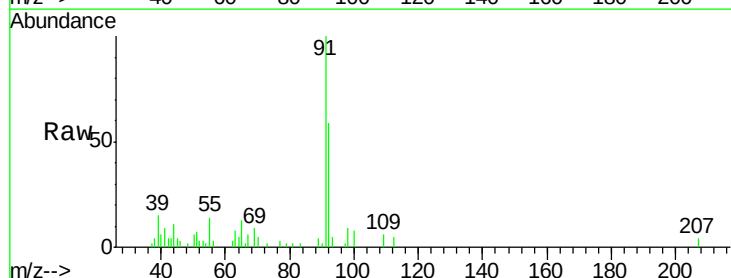
Manual Integrations
APPROVED

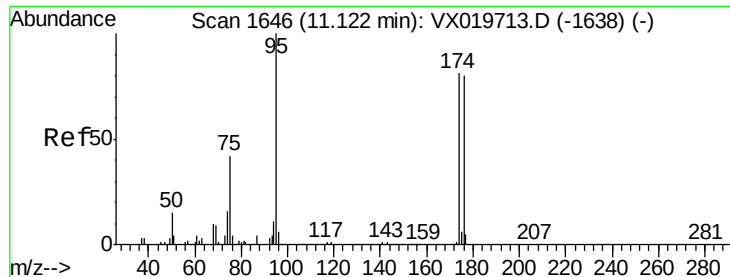
MMDadoda
12/8/2020 5:05:10 PM



#52
Toluene
Concen: 0.346 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX019750.D
Acq: 07 Dec 2020 14:22

Tgt Ion: 92 Resp: 3122
Ion Ratio Lower Upper
92 100
91 173.2 137.1 205.7





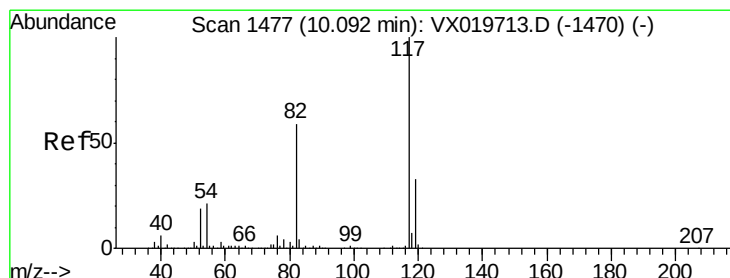
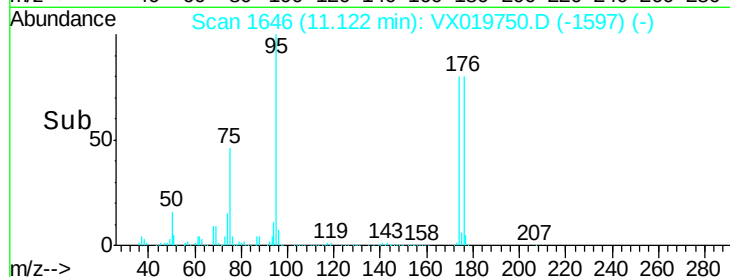
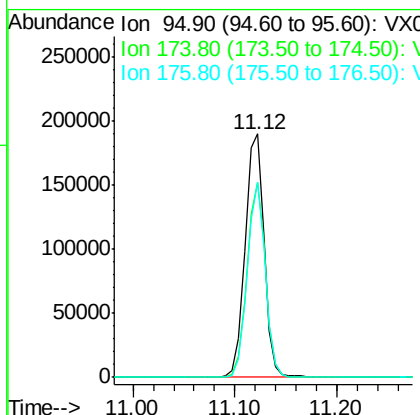
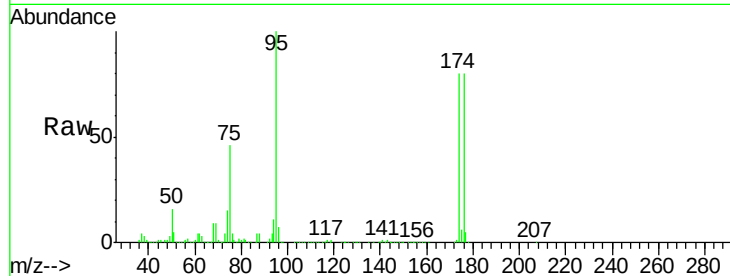
#62
4-Bromofluorobenzene
Concen: 49.440 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019750.D
Acq: 07 Dec 2020 14:22

Instrument :
MSVOA_X
ClientSampled :
MW-5DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	242911		
174	77.9	0.0	154.6	
176	76.1	0.0	155.8	

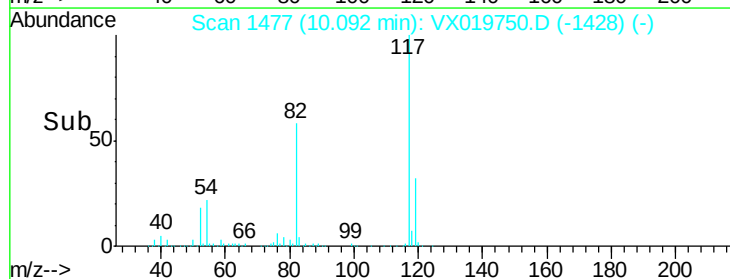
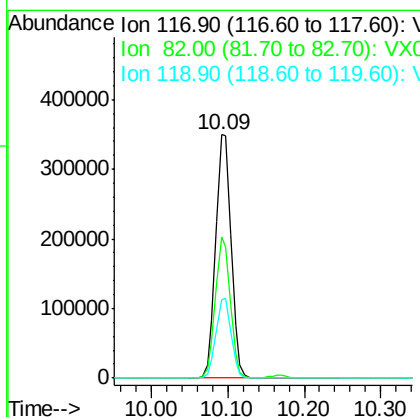
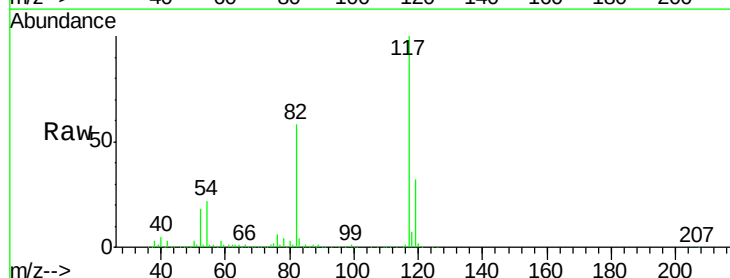
Manual Integrations
APPROVED

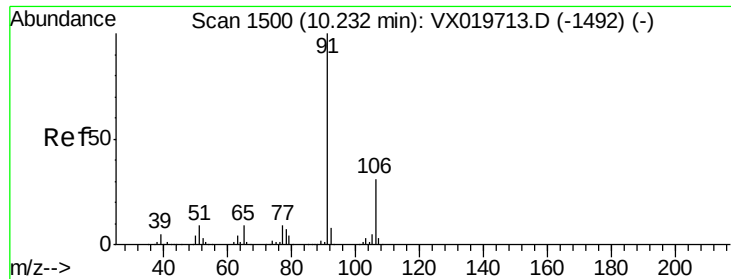
MMDadoda
12/8/2020 5:05:10 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019750.D
Acq: 07 Dec 2020 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	489415		
82	57.8	47.4	71.2	
119	32.4	26.6	39.8	





#67

Ethyl Benzene

Concen: 3.321 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019750.D

Acq: 07 Dec 2020 14:22

Instrument :

MSVOA_X

ClientSampled :

MW-5DL

Tot Ion: 91 Resp: 57476

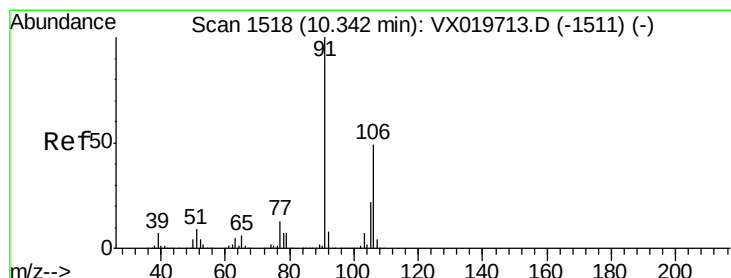
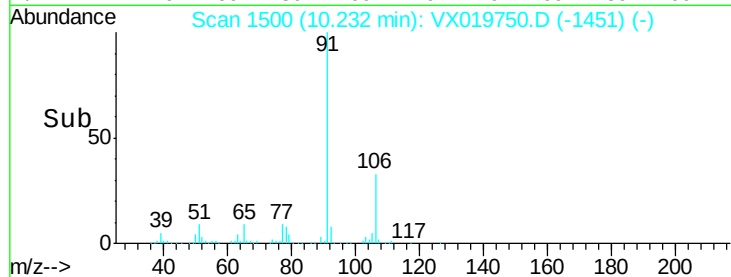
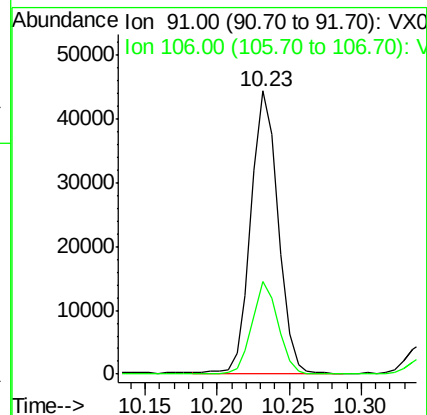
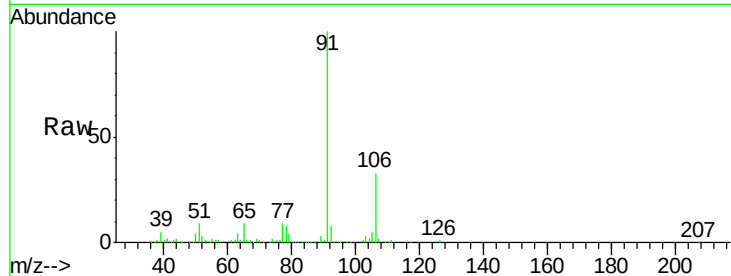
Ion Ratio Lower Upper

91 100

106 32.7 24.6 37.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:05:10 PM



#68

m/p-Xylenes

Concen: 0.486 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019750.D

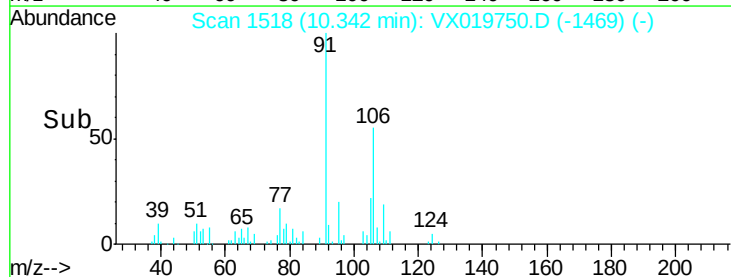
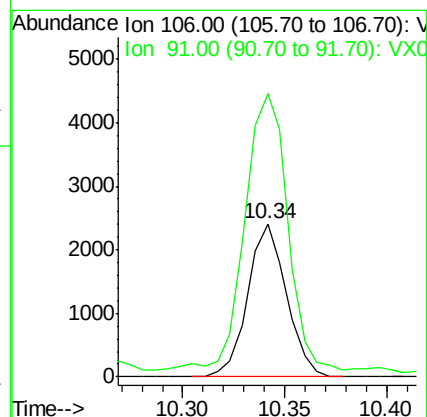
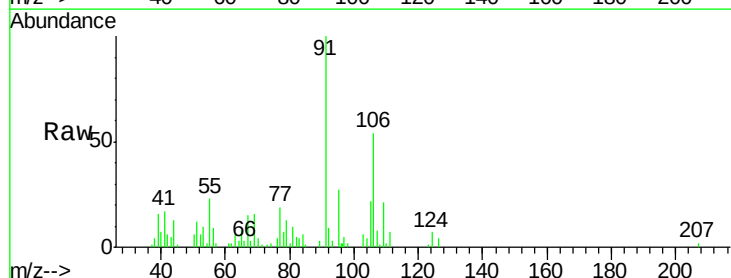
Acq: 07 Dec 2020 14:22

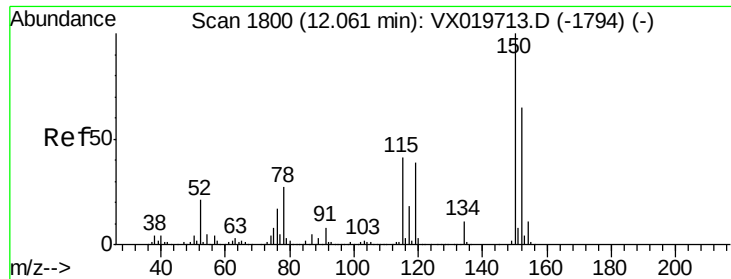
Tgt Ion: 106 Resp: 3168

Ion Ratio Lower Upper

106 100

91 197.8 162.8 244.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019750.D

Acq: 07 Dec 2020 14:22

Instrument :

MSVOA_X

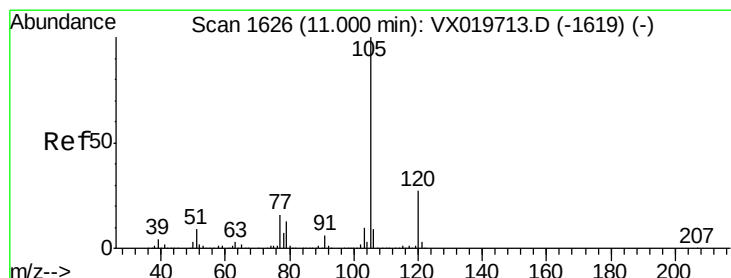
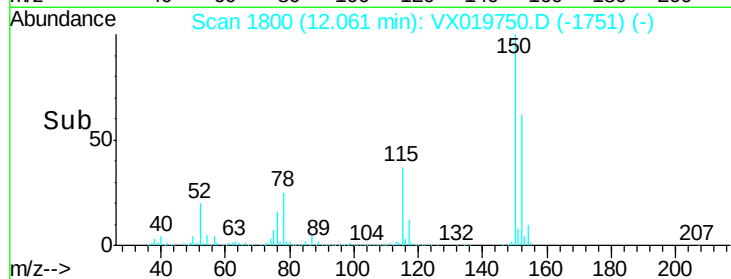
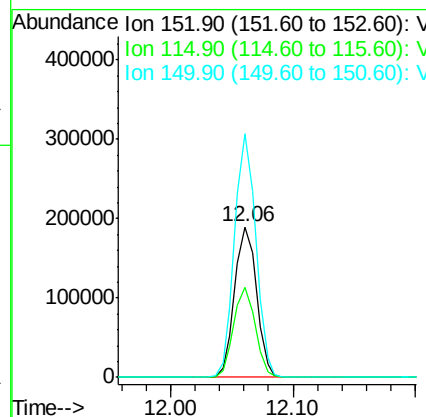
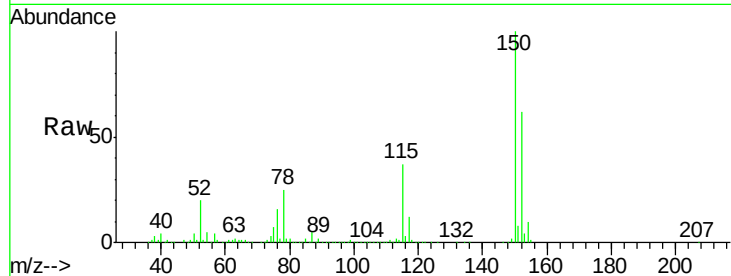
ClientSampled :

MW-5DL

Tot Ion:	152	Resp:	233801
Ion Ratio	Lower	Upper	
152	100		
115	59.2	41.1	123.3
150	158.0	0.0	349.0

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:05:10 PM



#73

Isopropylbenzene

Concen: 11.308 ug/l

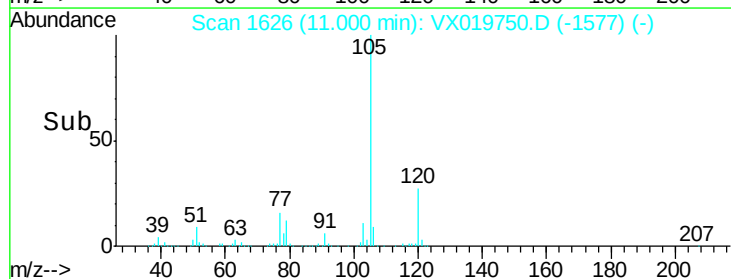
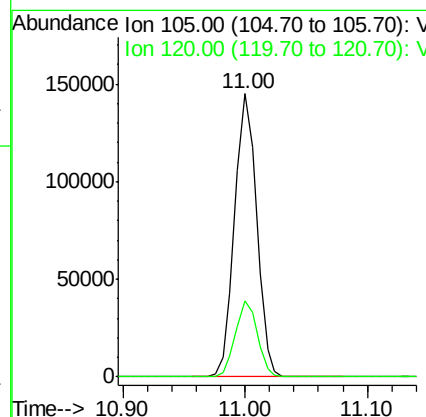
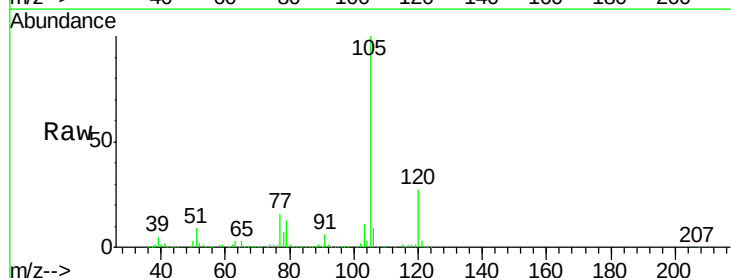
RT: 11.00 min Scan# 1626

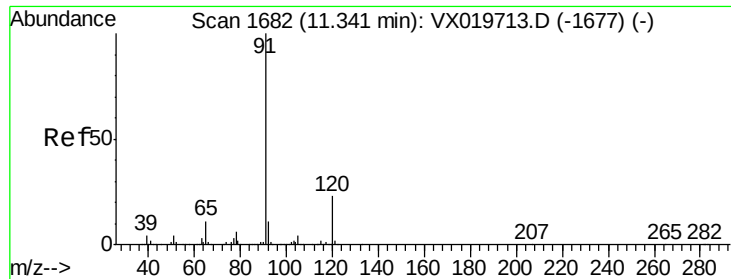
Delta R.T. -0.00 min

Lab File: VX019750.D

Acq: 07 Dec 2020 14:22

Tgt Ion:	105	Resp:	180620
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.2	39.6





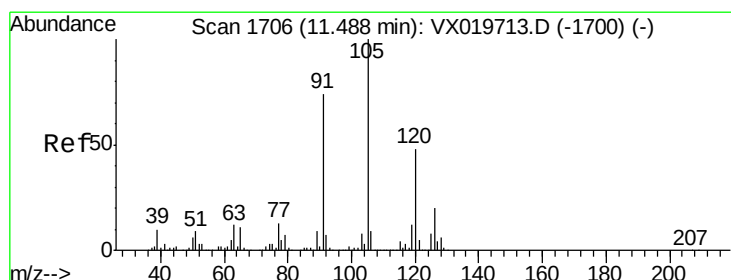
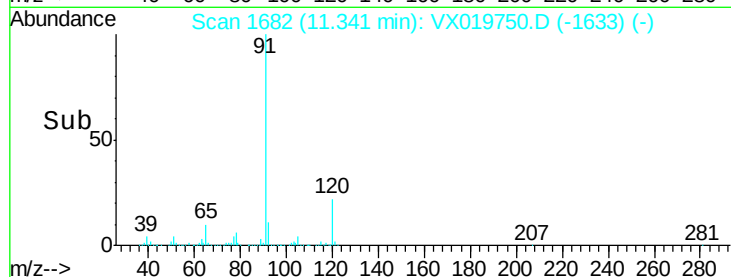
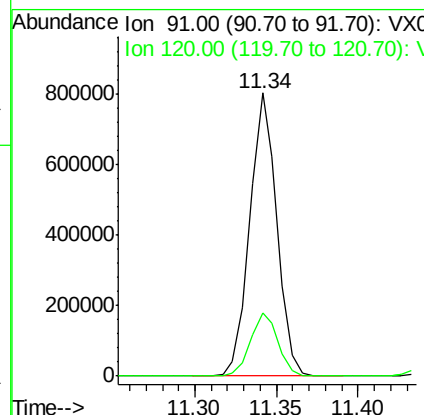
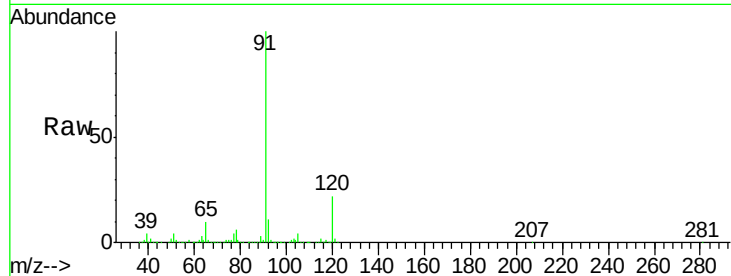
#78
n-propylbenzene
Concen: 50.874 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX019750.D
Acq: 07 Dec 2020 14:22

Instrument :
MSVOA_X
ClientSampleId :
MW-5DL

Tot Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.5	34.5

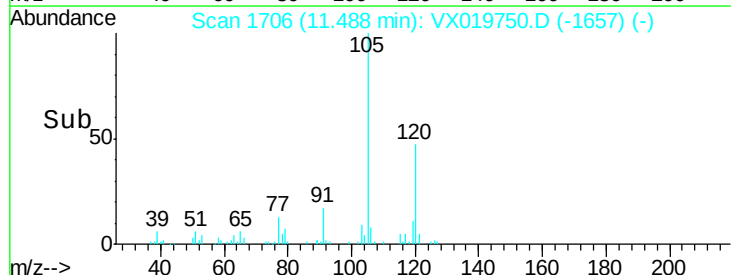
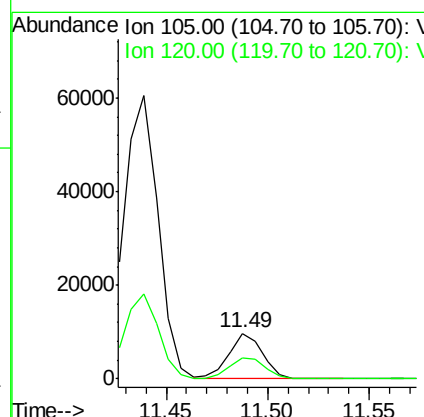
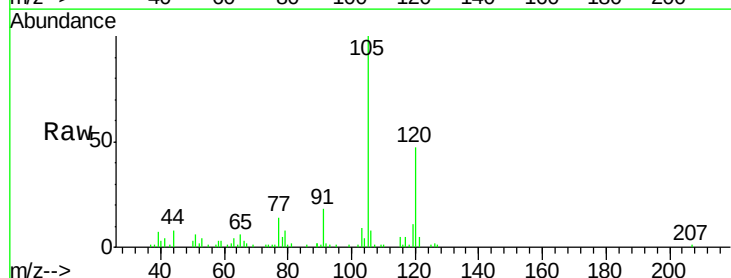
Manual Integrations
APPROVED

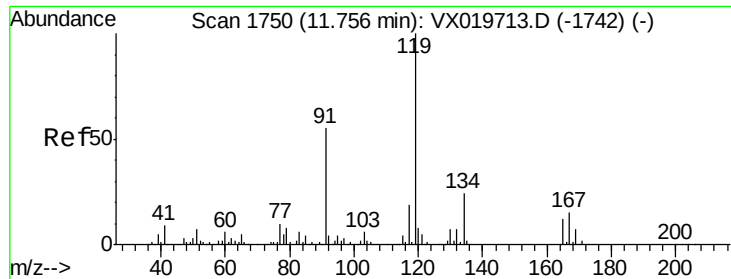
MMDadoda
12/8/2020 5:05:10 PM



#80
1,3,5-Trimethylbenzene
Concen: 0.854 ug/l m
RT: 11.49 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VX019750.D
Acq: 07 Dec 2020 14:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	190.3	23.8	71.5#





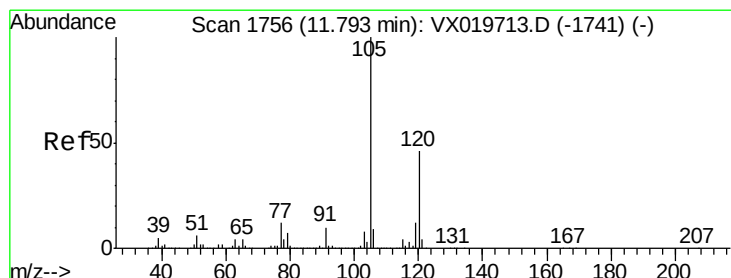
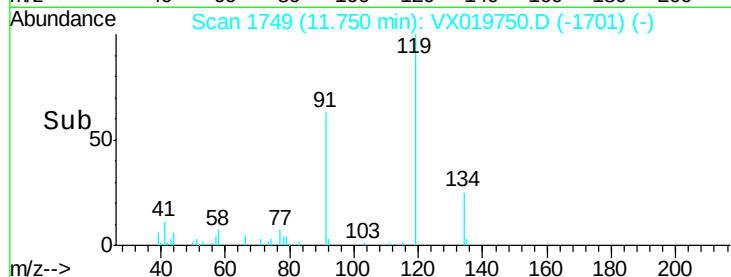
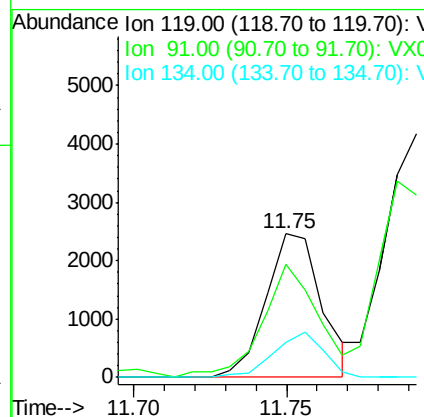
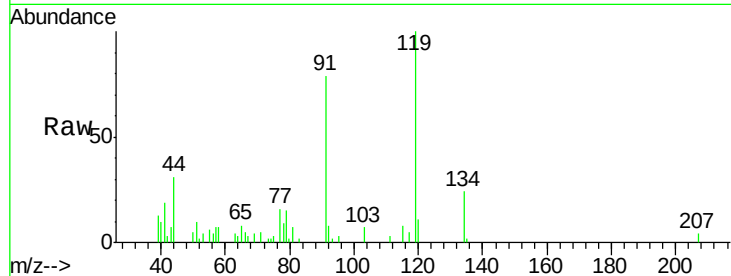
#83
tert-Butylbenzene
Concen: 0.236 ug/l
RT: 11.75 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VX019750.D
Acq: 07 Dec 2020 14:22

Instrument :
MSVOA_X
ClientSampled :
MW-5DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	27.9	83.7#
134	28.5	11.3	33.9

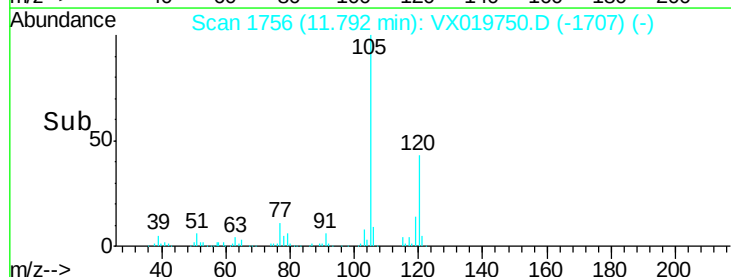
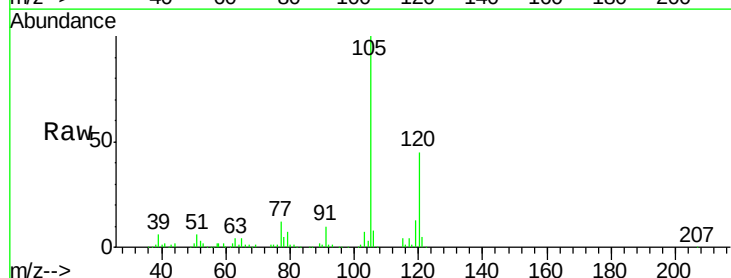
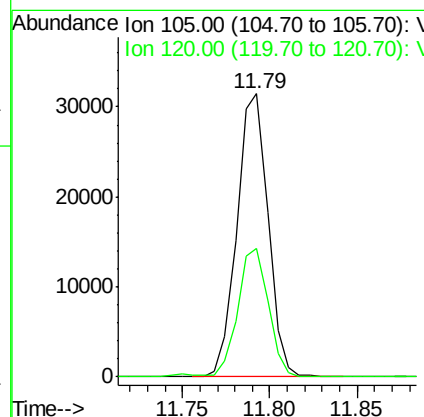
Manual Integrations
APPROVED

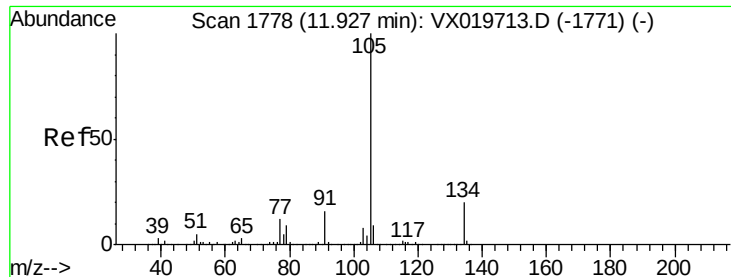
MMDadoda
12/8/2020 5:05:10 PM



#84
1,2,4-Trimethylbenzene
Concen: 2.876 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019750.D
Acq: 07 Dec 2020 14:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3





#85

sec-Butylbenzene

Concen: 7.529 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX019750.D

Acq: 07 Dec 2020 14:22

Instrument :

MSVOA_X

ClientSampled :

MW-5DL

Tot Ion:105 Resp: 113654

Ion Ratio Lower Upper

105 100

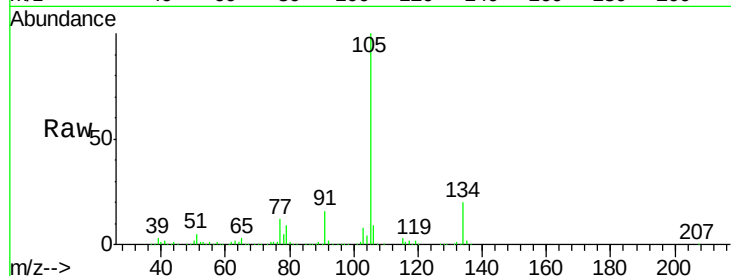
134 18.5 10.0 29.8

Manual Integrations

APPROVED

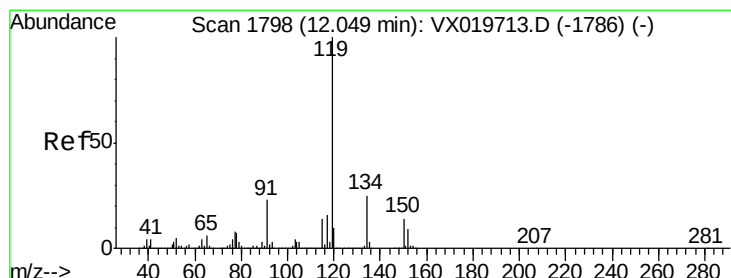
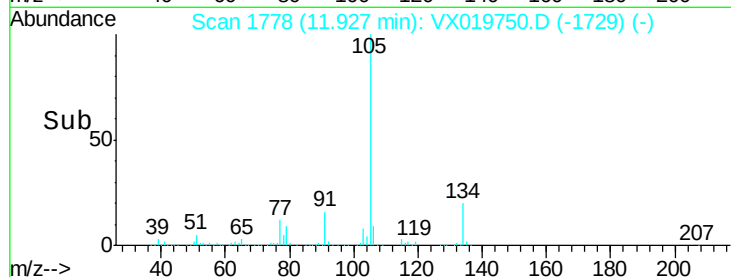
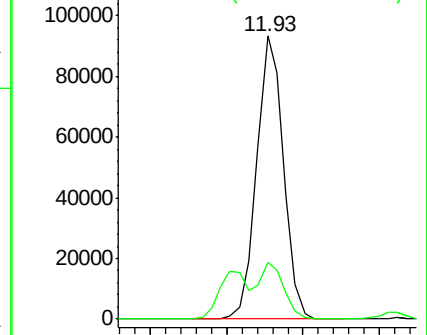
MMDadoda

12/8/2020 5:05:10 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.471 ug/l m

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019750.D

Acq: 07 Dec 2020 14:22

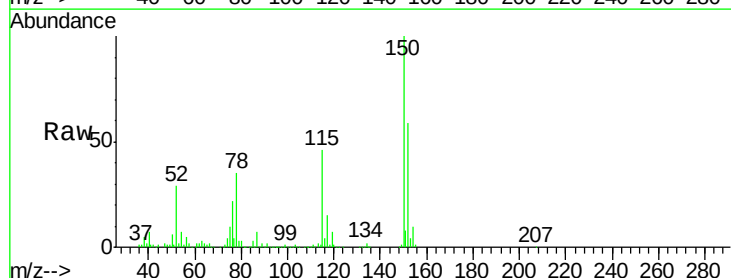
Tgt Ion:119 Resp: 6515

Ion Ratio Lower Upper

119 100

134 54.9 12.9 38.7#

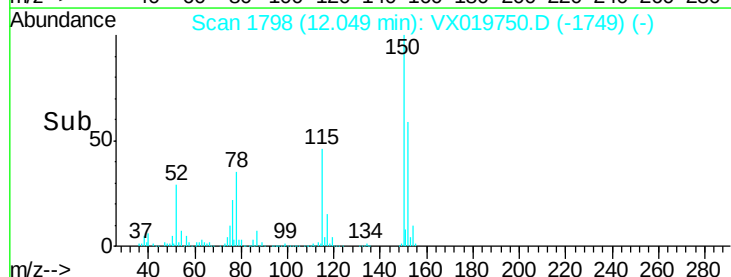
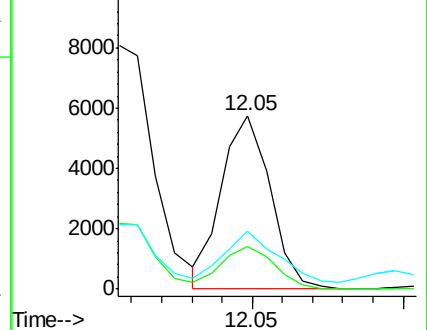
91 52.4 11.7 35.0#

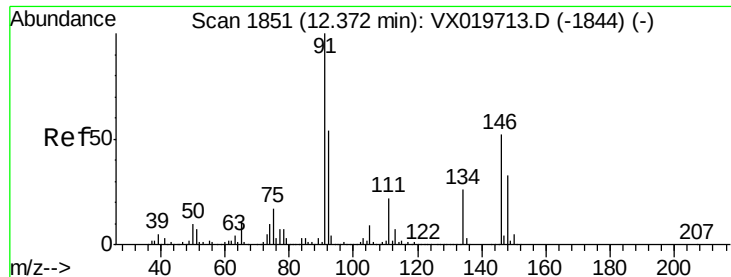


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





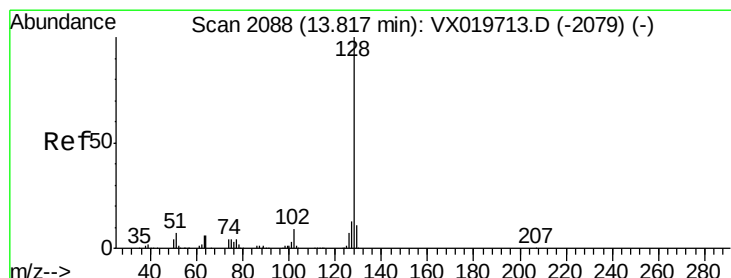
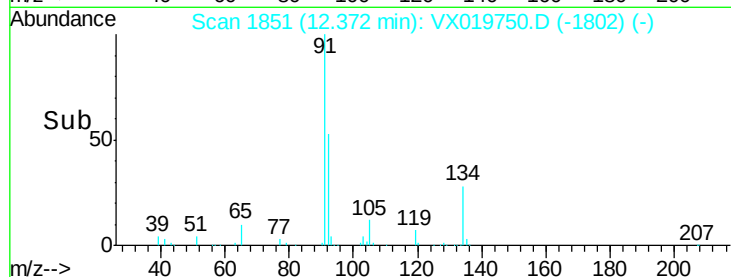
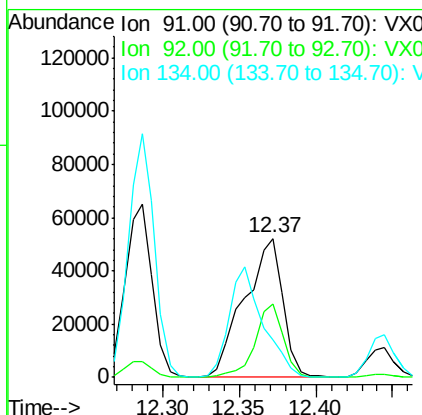
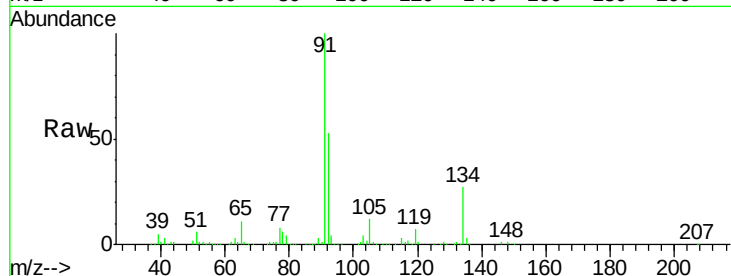
#89
n-Butylbenzene
Concen: 7.422 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019750.D
Acq: 07 Dec 2020 14:22

Instrument :
MSVOA_X
ClientSampled :
MW-5DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	38.9	27.4	82.0
134	70.1	13.2	39.5#

Manual Integrations
APPROVED

MMDadoda
12/8/2020 5:05:10 PM



#95
Naphthalene
Concen: 3.341 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019750.D
Acq: 07 Dec 2020 14:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.3	15.5
129	15.6	8.8	13.2#

