

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019036.D
 Acq On : 22 Oct 2020 18:37
 Operator : JC/SP
 Sample : L4417-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 11:45:12 AM

Quant Time: Oct 23 09:38:17 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	265350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	456943	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	437989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	237061	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	160749	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
35) Dibromofluoromethane	5.46	113	140730	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	8.70	98	570536	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	11.12	95	209665	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	621775	965.875	ug/l	100
16) Acetone	2.42	43	7609	7.028	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	6962227	851.010	ug/l	98
31) Cyclohexane	5.56	56	5179	1.391	ug/l #	90
39) Methylcyclohexane	7.44	83	2884	0.628	ug/l	94
40) Benzene	6.12	78	738512	61.158	ug/l	100
52) Toluene	8.77	92	15045	1.886	ug/l	99
67) Ethyl Benzene	10.23	91	50599	3.195	ug/l	97
68) m/p-Xylenes	10.34	106	4297	0.708	ug/l	90
73) Isopropylbenzene	11.00	105	67045	3.931	ug/l	98
78) n-propylbenzene	11.34	91	30228	1.564	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	19969	1.416	ug/l	99
85) sec-Butylbenzene	11.93	105	7765	0.463	ug/l	99
89) n-Butylbenzene	12.37	91	3807m	0.271	ug/l	
95) Naphthalene	13.82	128	17374	1.025	ug/l	97

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

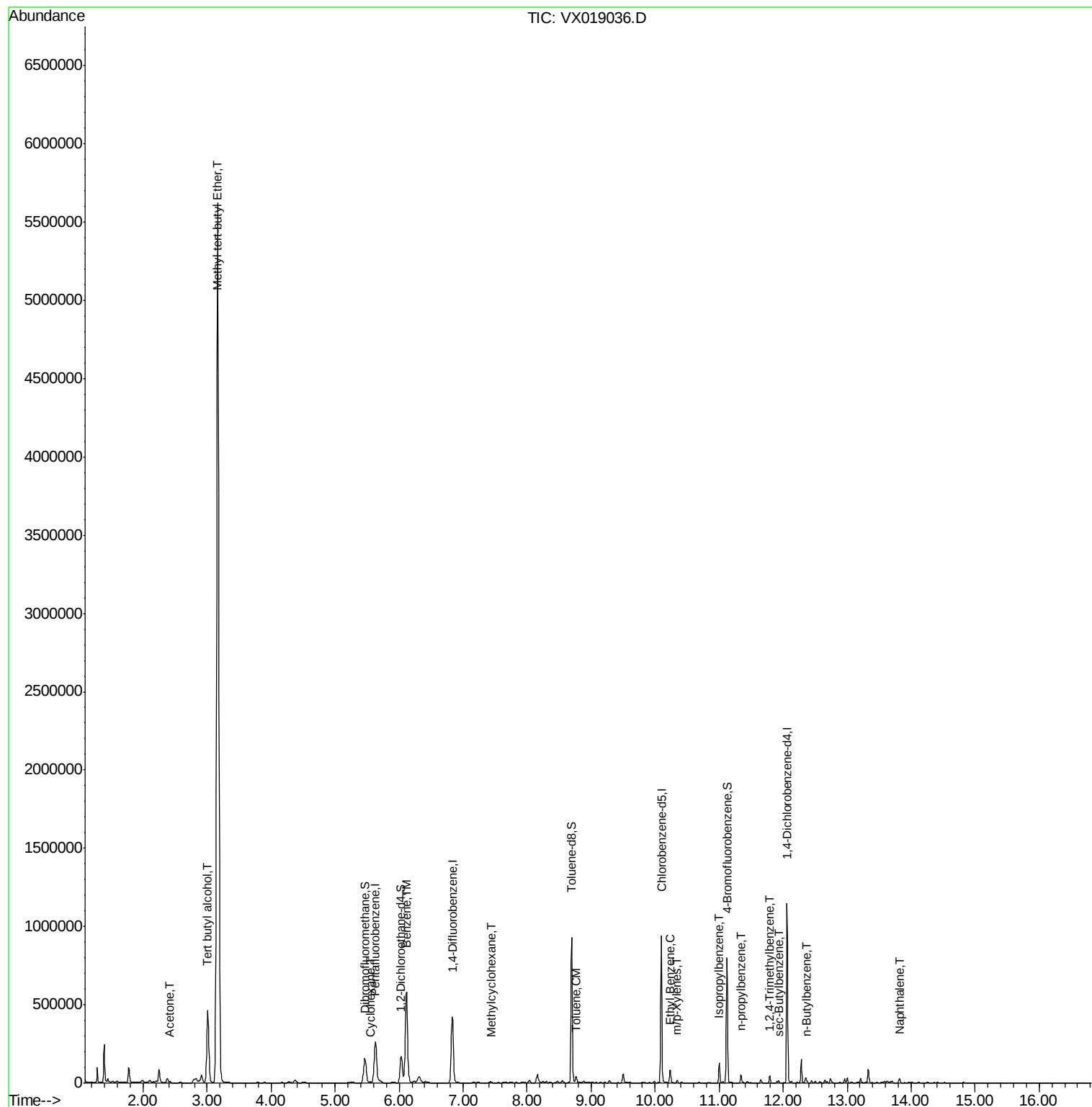
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019036.D
Acq On : 22 Oct 2020 18:37
Operator : JC/SP
Sample : L4417-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

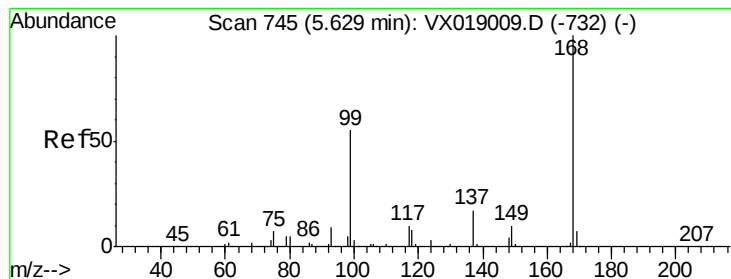
Instrument :
MSVOA_X
ClientSampleId :
MW-14

Manual Integrations
APPROVED

MMDadoda
10/23/2020 11:45:12 AM

Quant Time: Oct 23 09:38:17 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: VX019036.D

Acq: 22 Oct 2020 18:37

Instrument :

MSVOA_X

ClientSampleId :

MW-14

Tot Ion:168 Resp: 265350

Ion Ratio Lower Upper

168 100

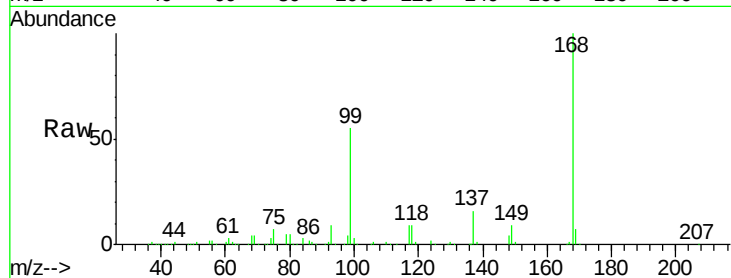
99 55.1 44.2 66.2

Manual Integrations

APPROVED

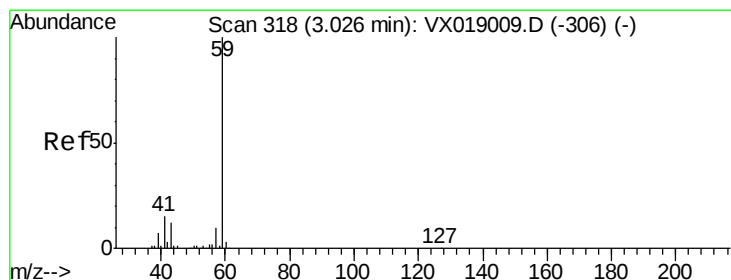
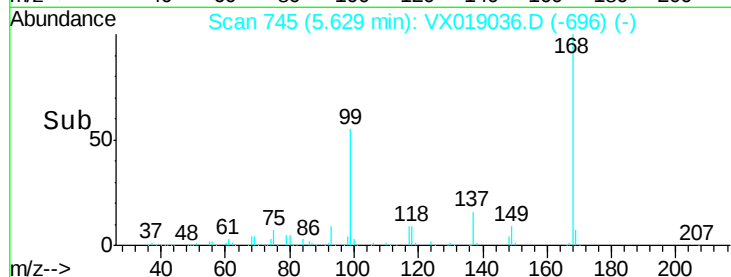
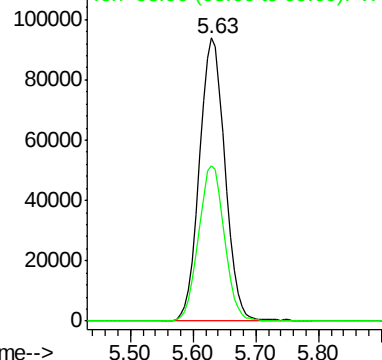
MMDadoda

10/23/2020 11:45:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 965.875 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.02 min

Lab File: VX019036.D

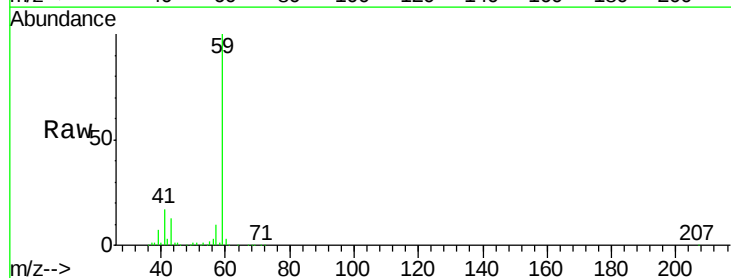
Acq: 22 Oct 2020 18:37

Tgt Ion: 59 Resp: 621775

Ion Ratio Lower Upper

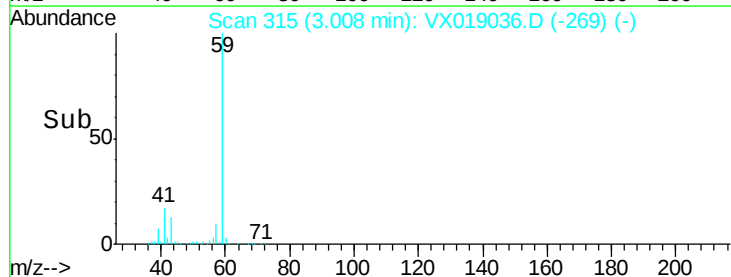
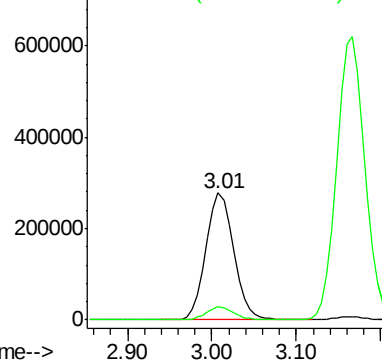
59 100

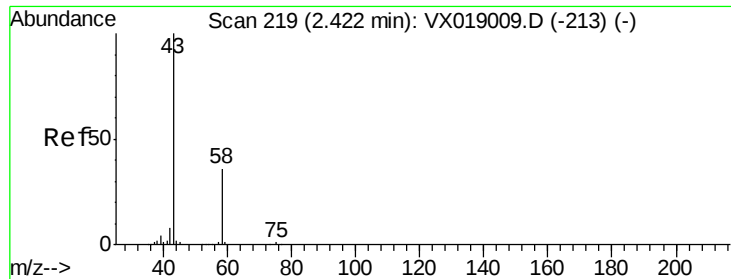
57 10.2 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





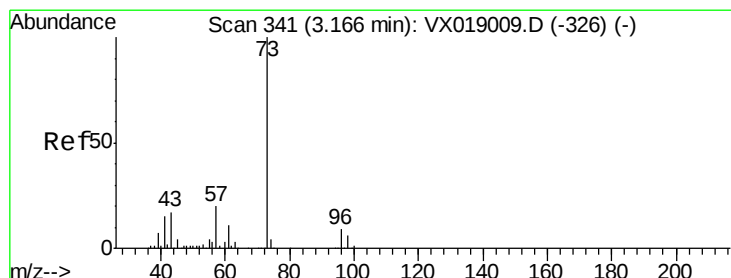
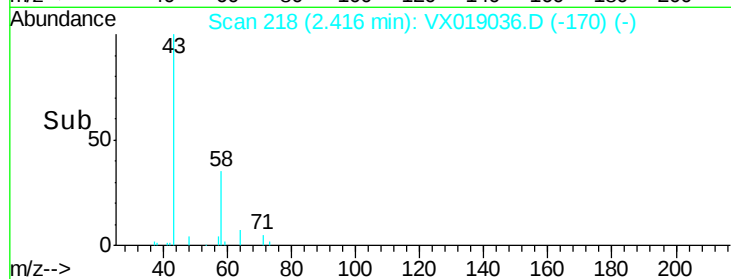
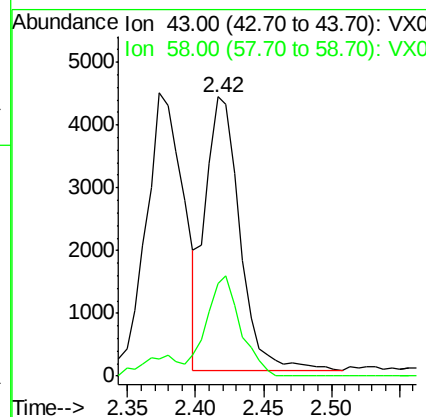
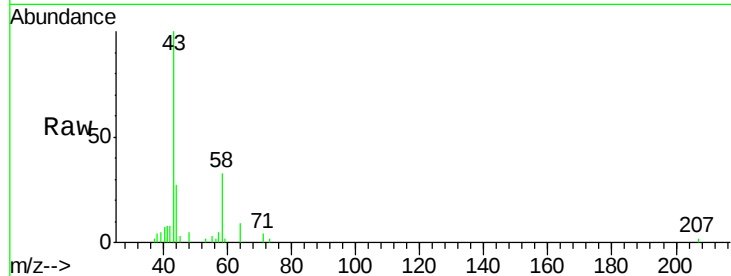
#16
Acetone
Concen: 7.028 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Instrument :
MSVOA_X
ClientSampled :
MW-14

Tot Ion: 43 Resp: 7609
Ion Ratio Lower Upper
43 100
58 33.8 28.6 42.8

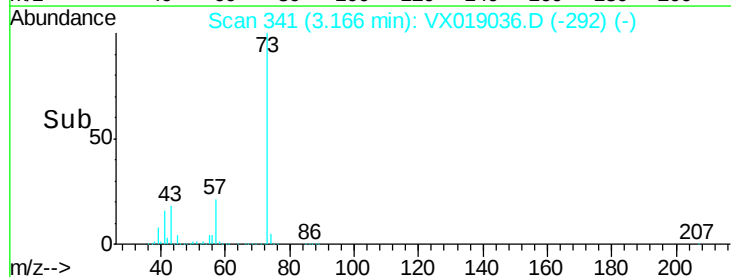
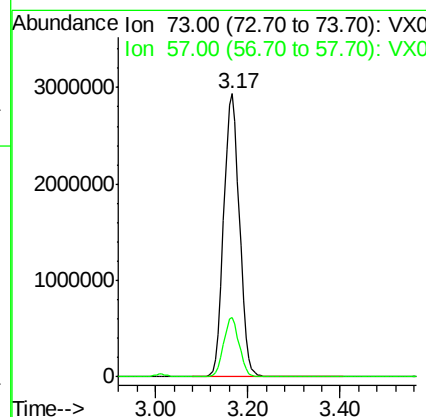
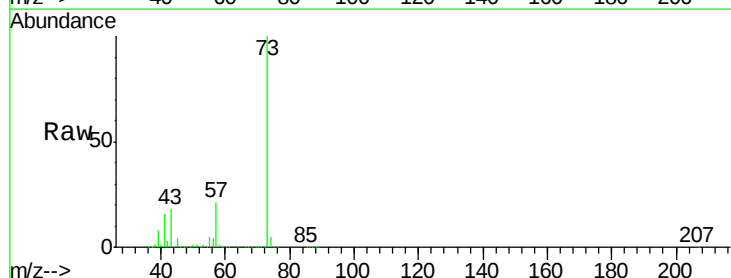
Manual Integrations
APPROVED

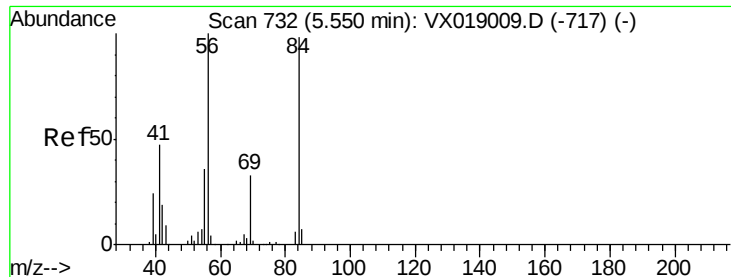
MMDadoda
10/23/2020 11:45:12 AM



#19
Methyl tert-butyl Ether
Concen: 851.010 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Tgt Ion: 73 Resp: 6962227
Ion Ratio Lower Upper
73 100
57 21.1 16.2 24.2





#31

Cyclohexane

Concen: 1.391 ug/l

RT: 5.56 min Scan# 733

Delta R.T. 0.01 min

Lab File: VX019036.D

Acq: 22 Oct 2020 18:37

Instrument :

MSVOA_X

ClientSampled :

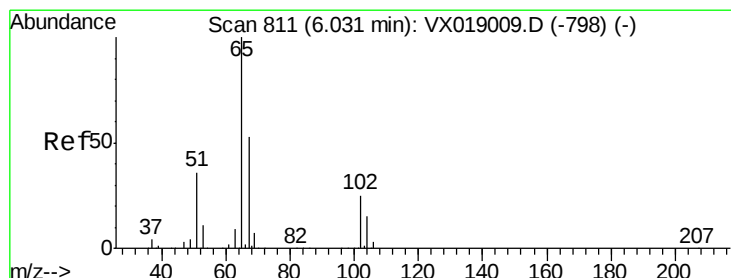
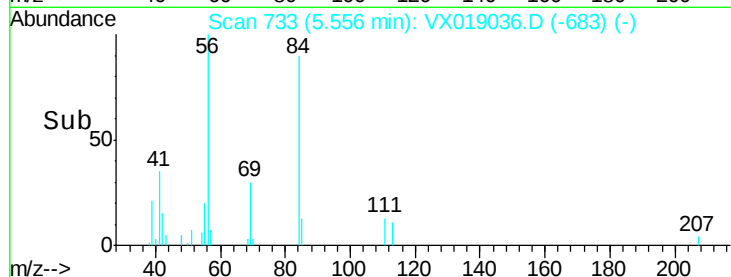
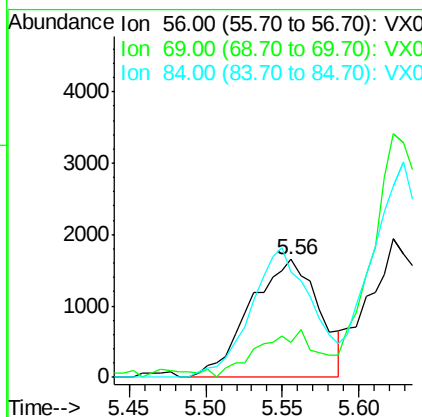
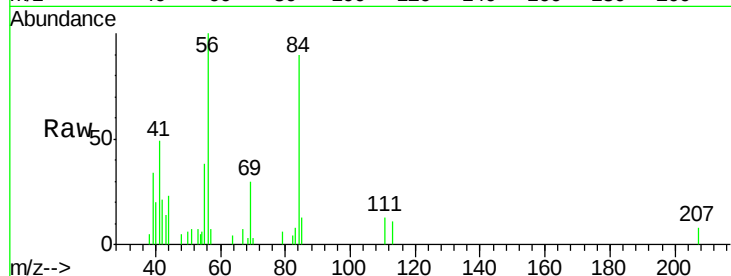
MW-14

Tot Ion: 56 Resp: 5179

Ion	Ratio	Lower	Upper
56	100		
69	24.7	26.2	39.2#
84	89.5	78.3	117.5

Manual Integrations
APPROVED

MMDadoda
10/23/2020 11:45:12 AM



#33

1,2-Dichloroethane-d4

Concen: 50.574 ug/l

RT: 6.03 min Scan# 811

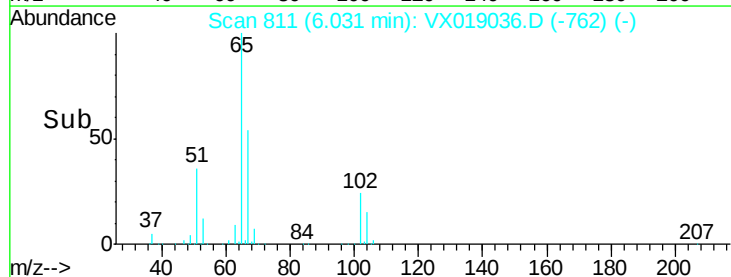
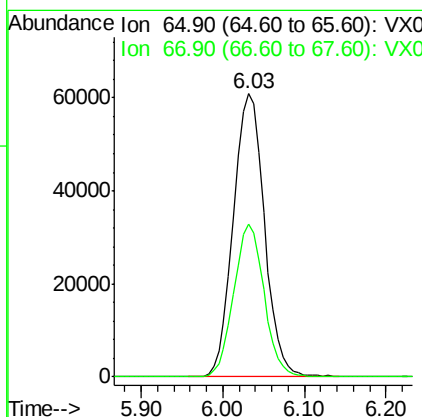
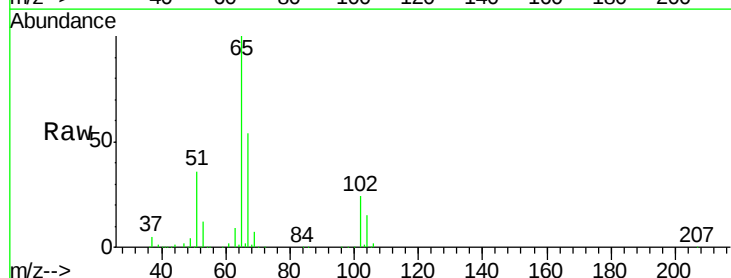
Delta R.T. -0.00 min

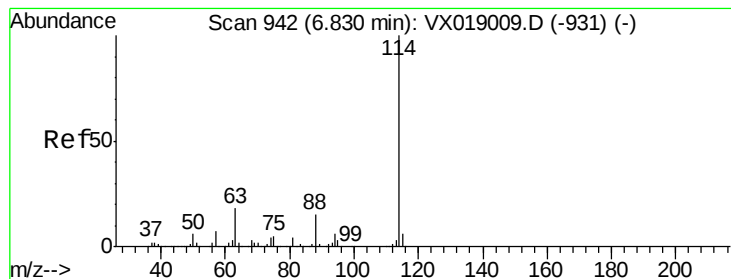
Lab File: VX019036.D

Acq: 22 Oct 2020 18:37

Tgt Ion: 65 Resp: 160749

Ion	Ratio	Lower	Upper
65	100		
67	52.5	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: VX019036.D

Acq: 22 Oct 2020 18:37

Instrument :

MSVOA_X

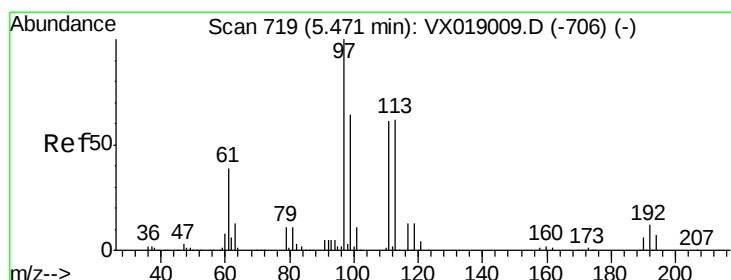
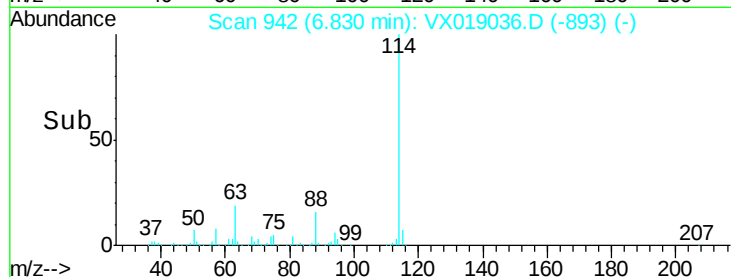
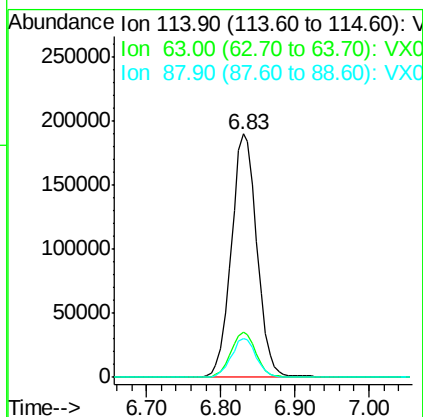
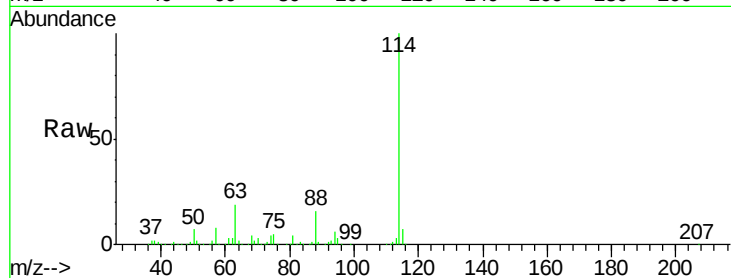
ClientSampled :

MW-14

Tot Ion:	114	Resp:	456943
Ion Ratio	Lower	Upper	
114	100		
63	18.8	0.0	36.8
88	15.7	0.0	30.2

Manual Integrations
APPROVED

MMDadoda
10/23/2020 11:45:12 AM



#35

Dibromofluoromethane

Concen: 48.644 ug/l

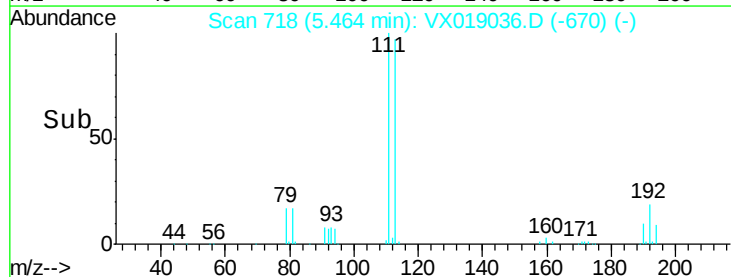
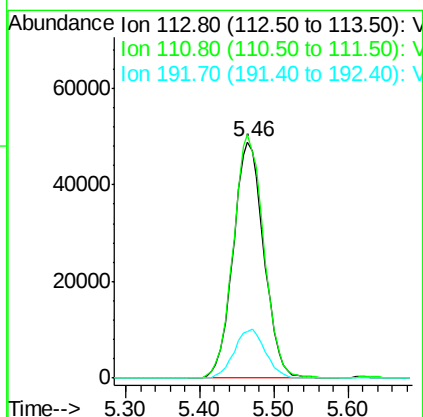
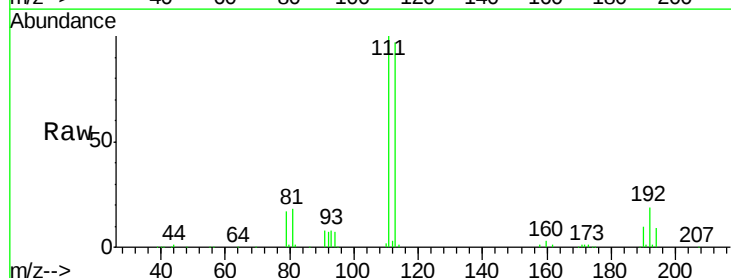
RT: 5.46 min Scan# 718

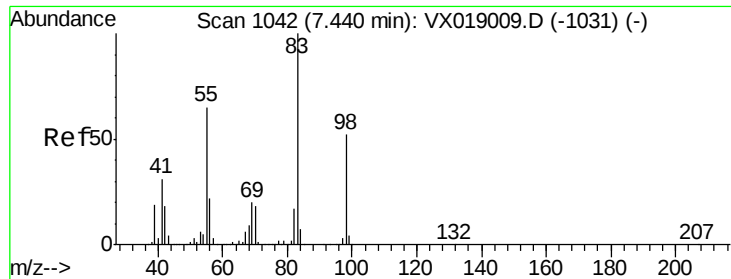
Delta R.T. -0.01 min

Lab File: VX019036.D

Acq: 22 Oct 2020 18:37

Tgt Ion:	113	Resp:	140730
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.5	122.3
192	21.0	16.3	24.5





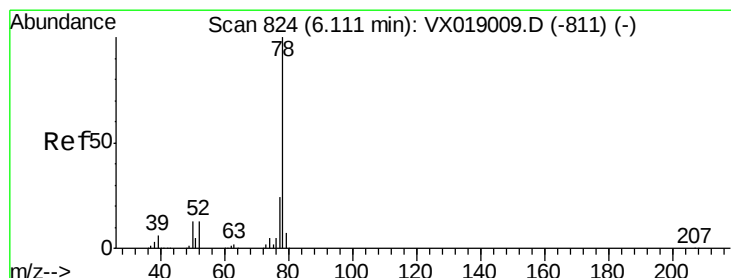
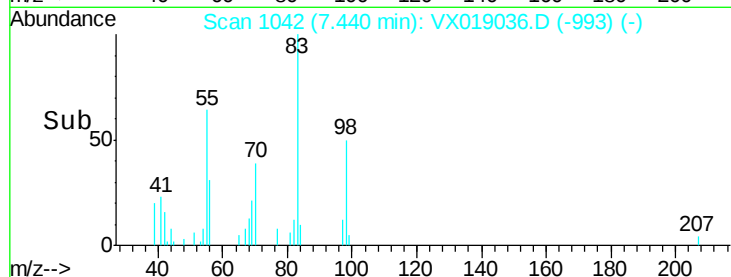
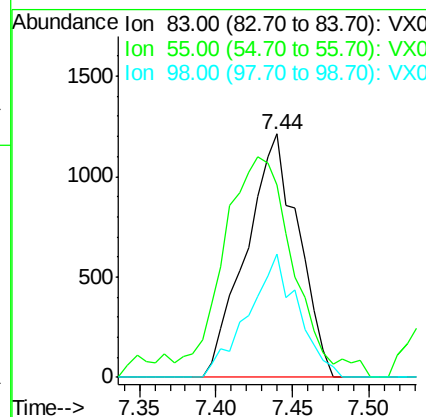
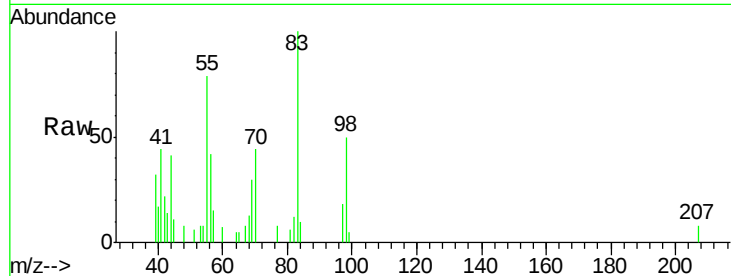
#39
Methvlcvclohexane
Concen: 0.628 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	51.8	77.6
98	50.5	41.4	62.2

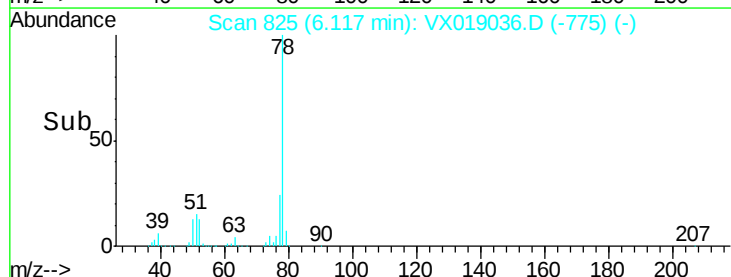
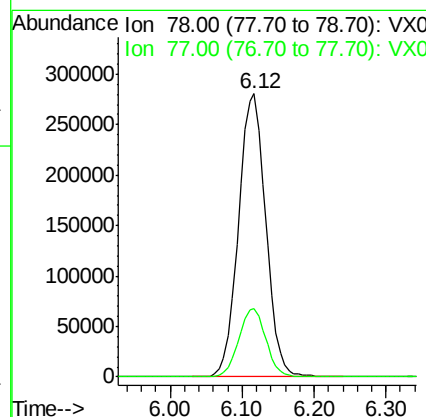
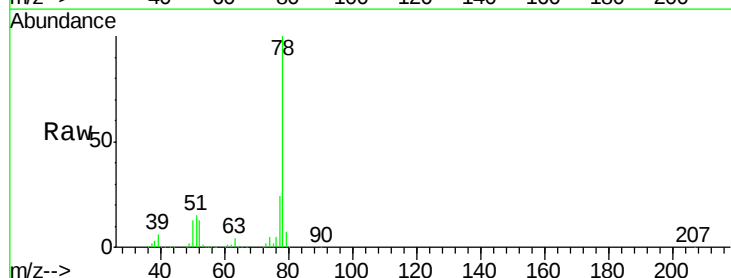
Manual Integrations
APPROVED

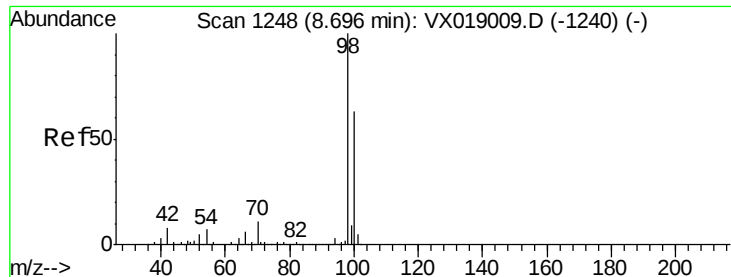
MMDadoda
10/23/2020 11:45:12 AM



#40
Benzene
Concen: 61.158 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





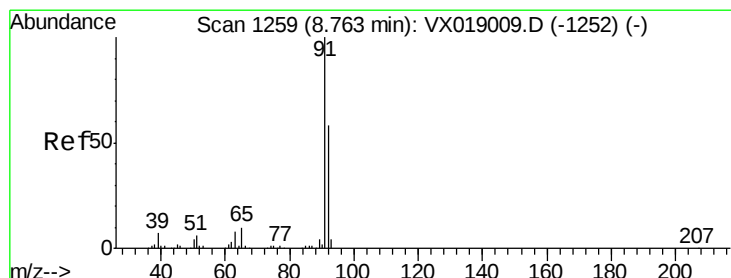
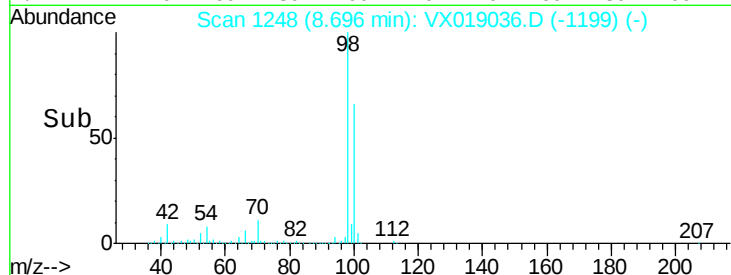
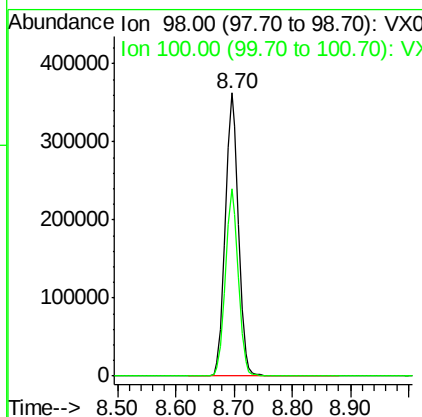
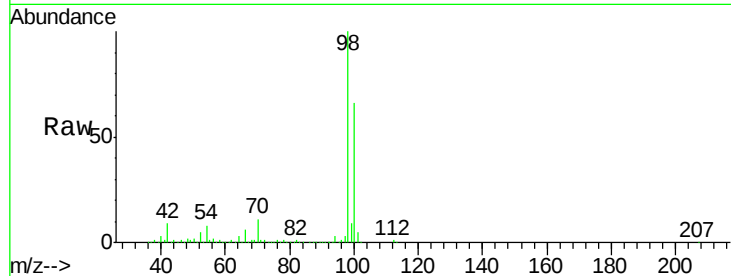
#50
Toluene-d8
Concen: 51.679 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Instrument :
MSVOA_X
ClientSampled :
MW-14

Tot Ion: 98 Resp: 570536
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

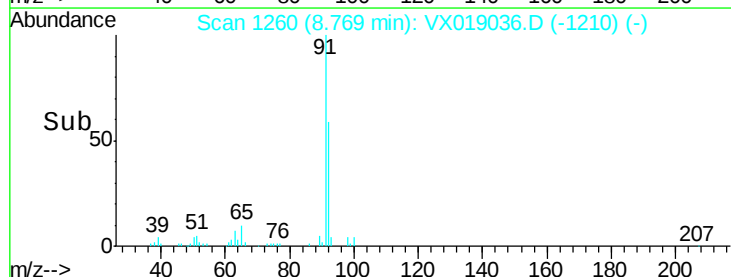
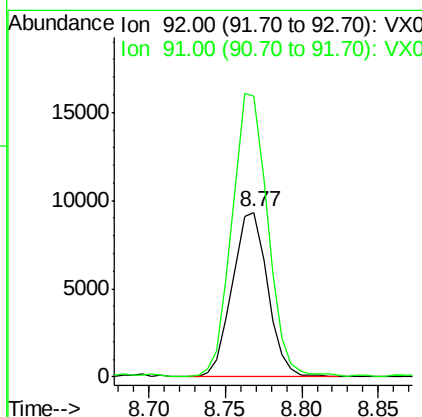
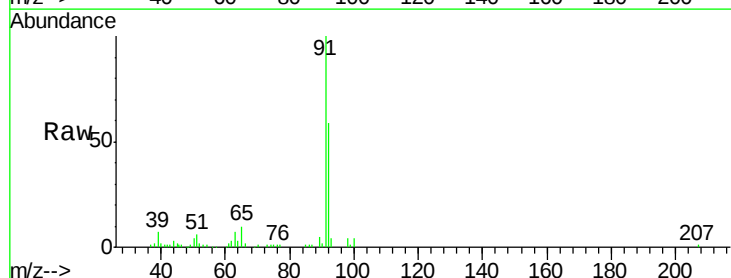
Manual Integrations
APPROVED

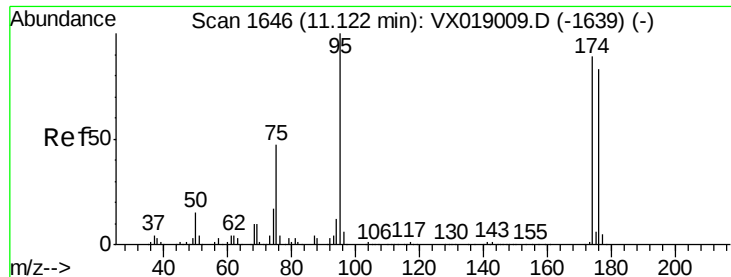
MMDadoda
10/23/2020 11:45:12 AM



#52
Toluene
Concen: 1.886 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Tgt Ion: 92 Resp: 15045
Ion Ratio Lower Upper
92 100
91 174.3 138.6 208.0





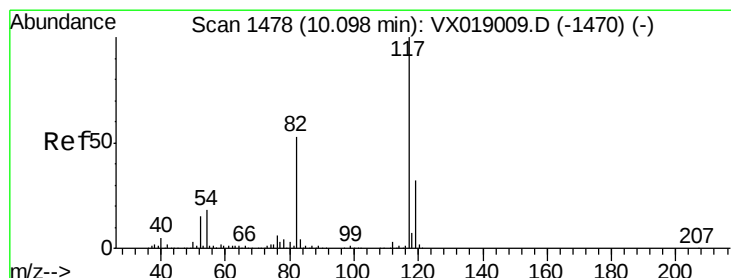
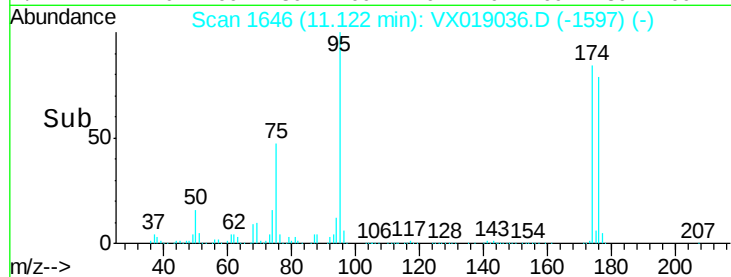
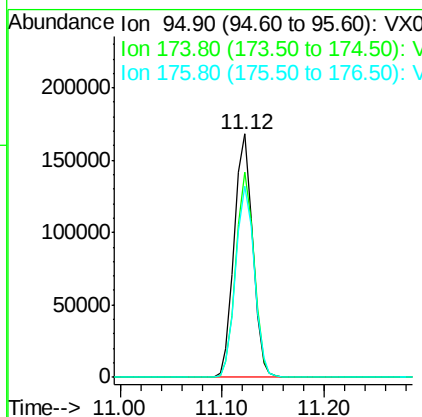
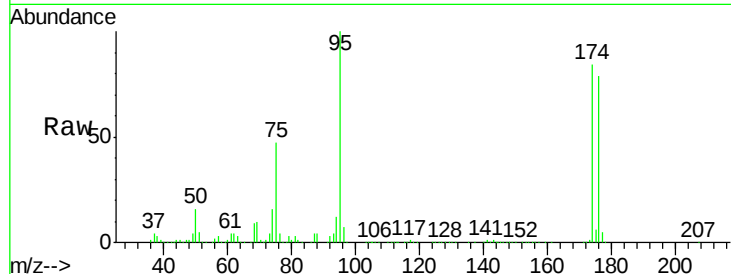
#62
4-Bromofluorobenzene
Concen: 53.391 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Instrument :
MSVOA_X
ClientSampled :
MW-14

Tot Ion	Ratio	Resp	Lower	Upper
95	100	209665		
174	82.7	0.0	167.6	
176	79.5	0.0	165.2	

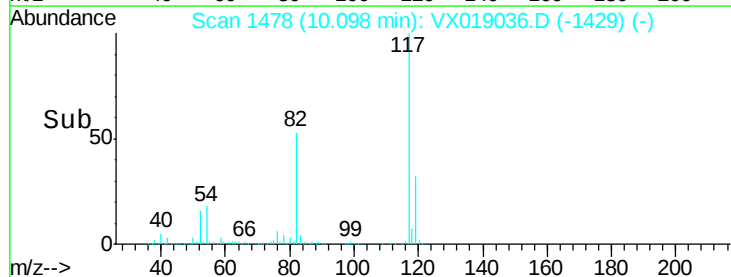
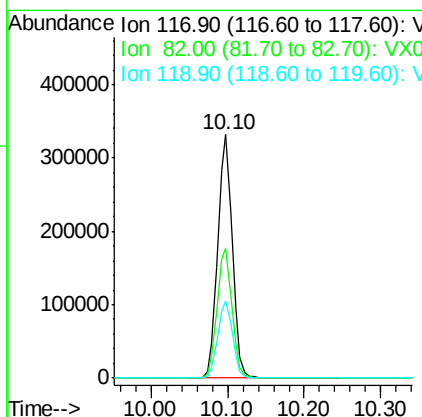
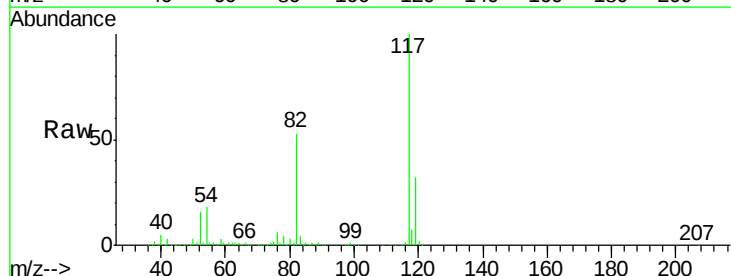
Manual Integrations
APPROVED

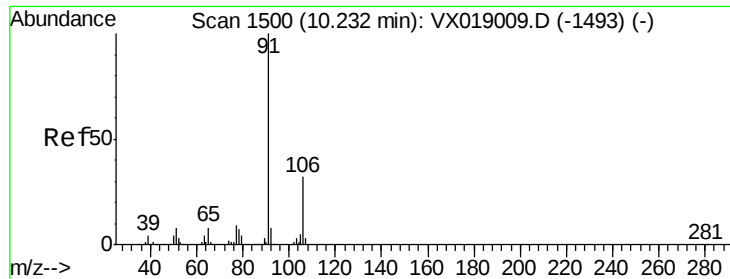
MMDadoda
10/23/2020 11:45:12 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	437989		
82	53.4	42.4	63.6	
119	31.8	25.6	38.4	





#67

Ethyl Benzene

Concen: 3.195 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019036.D

Acq: 22 Oct 2020 18:37

Instrument :

MSVOA_X

ClientSampled :

MW-14

Tot Ion: 91 Resp: 50599

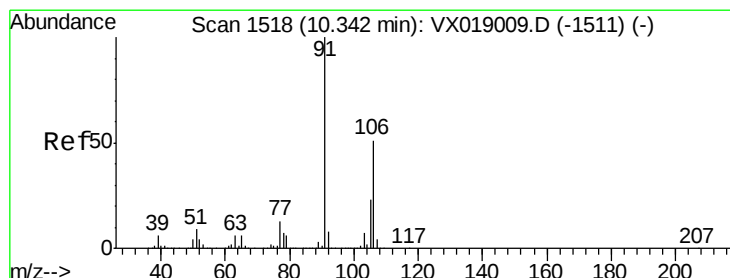
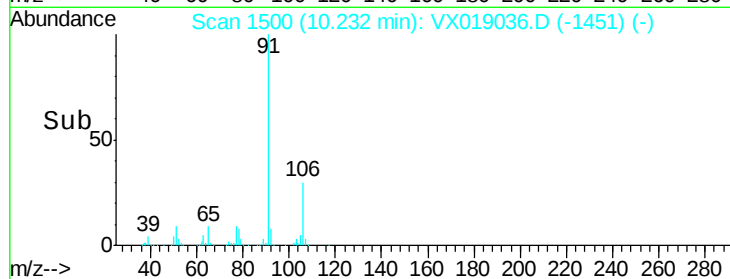
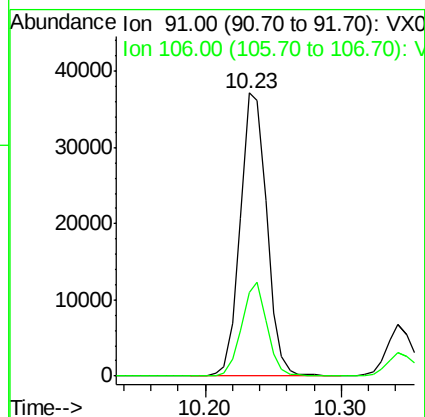
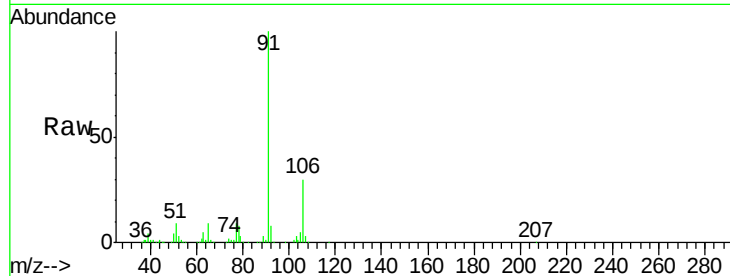
Ion Ratio Lower Upper

91 100

106 29.8 25.3 37.9

Manual Integrations
APPROVED

MMDadoda
10/23/2020 11:45:12 AM



#68

m/p-Xylenes

Concen: 0.708 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019036.D

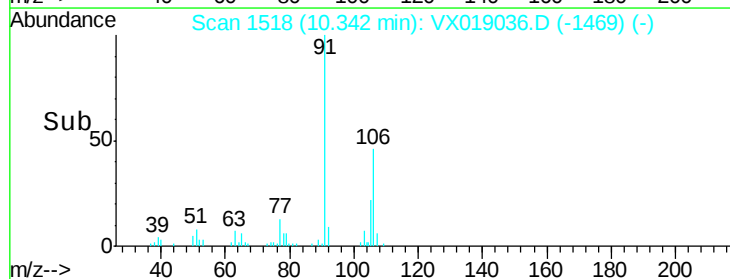
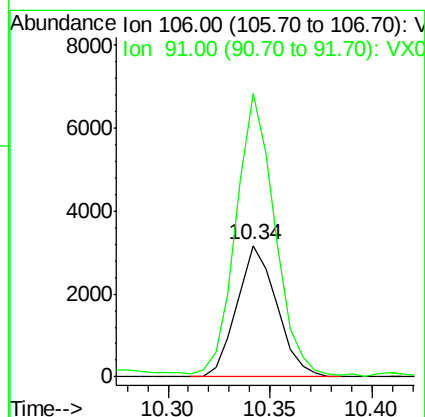
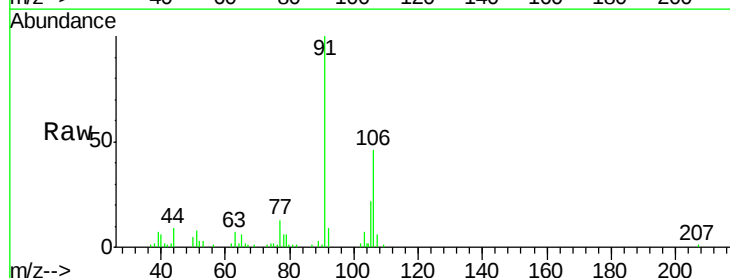
Acq: 22 Oct 2020 18:37

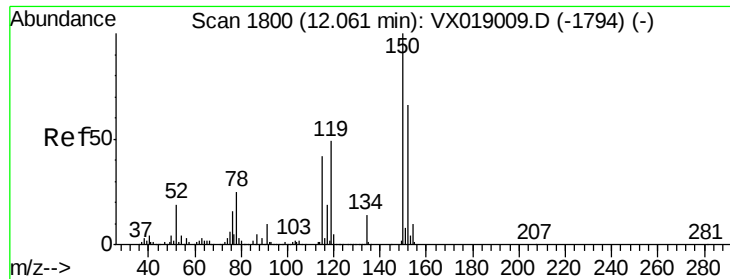
Tgt Ion: 106 Resp: 4297

Ion Ratio Lower Upper

106 100

91 211.6 156.9 235.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019036.D

Acq: 22 Oct 2020 18:37

Instrument :

MSVOA_X

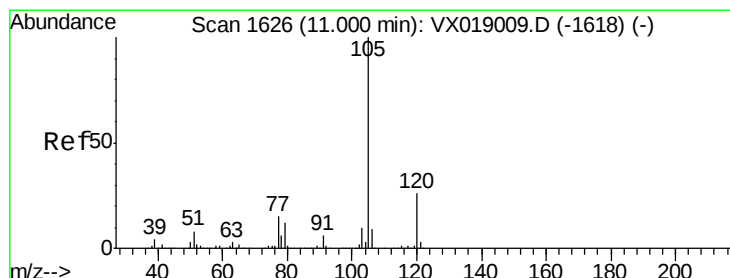
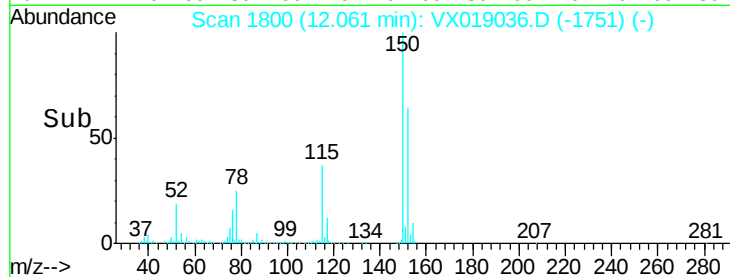
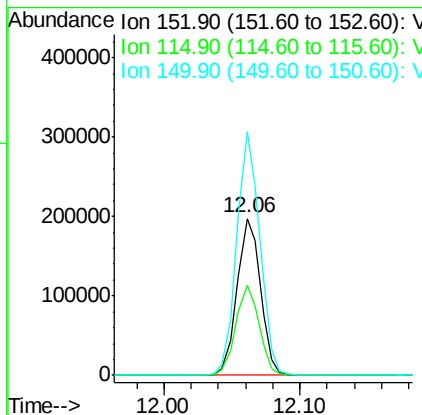
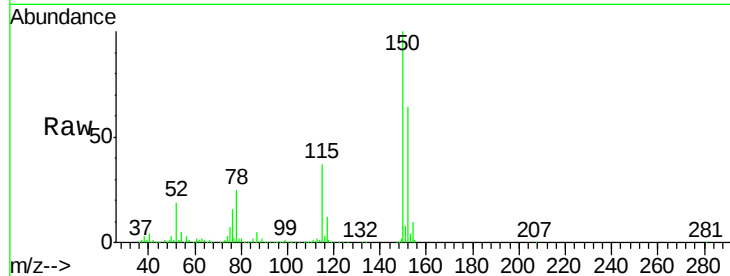
ClientSampled :

MW-14

Tot Ion	Ratio	Resp	Lower	Upper
152	100	237061		
115	56.9	40.8	122.5	
150	153.2	0.0	345.6	

Manual Integrations
APPROVED

MMDadoda
10/23/2020 11:45:12 AM



#73

Isopropylbenzene

Concen: 3.931 ug/l

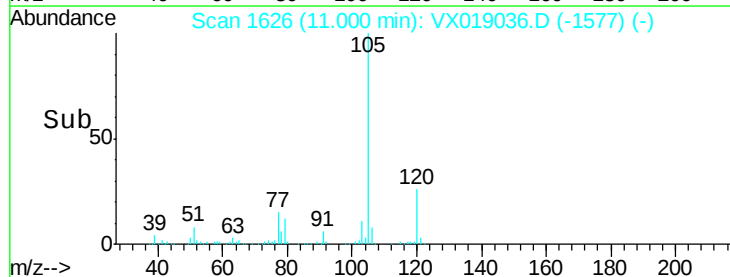
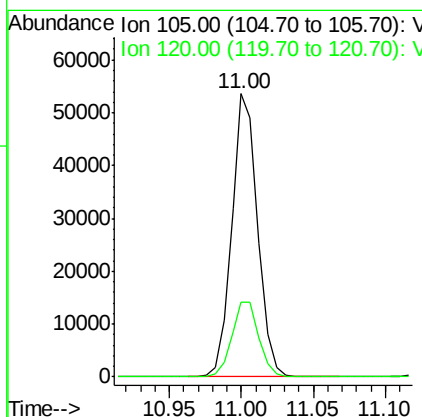
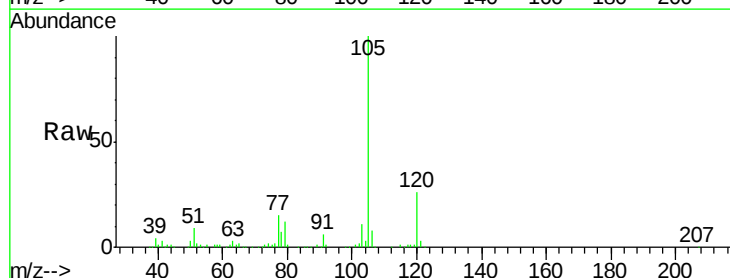
RT: 11.00 min Scan# 1626

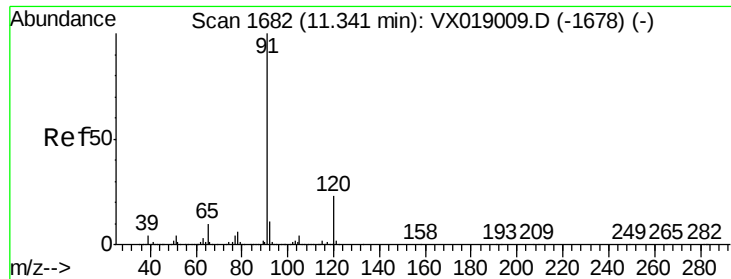
Delta R.T. -0.00 min

Lab File: VX019036.D

Acq: 22 Oct 2020 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	67045		
120	27.7	13.4	40.1	





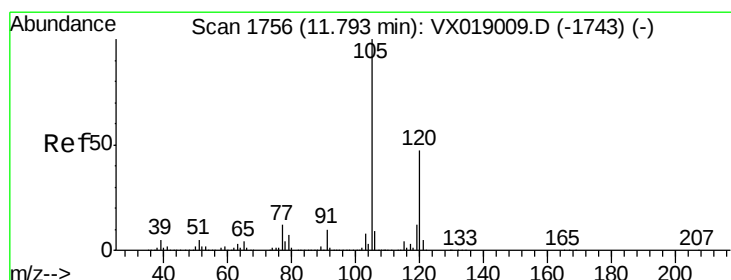
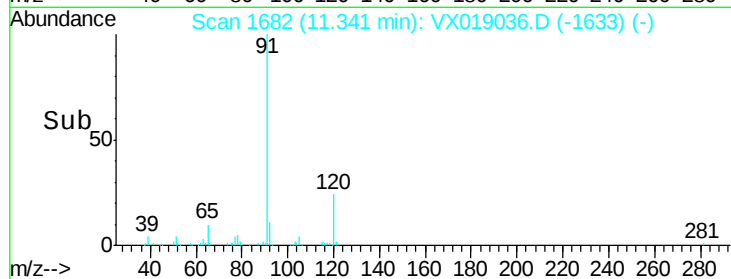
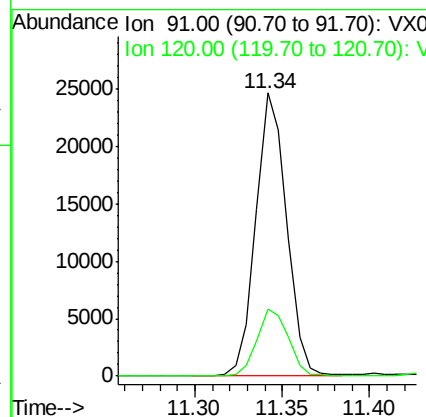
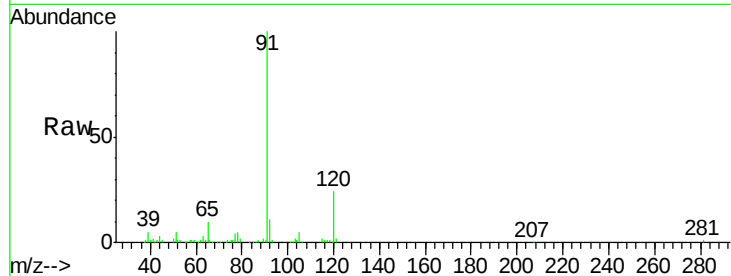
#78
n-propylbenzene
Concen: 1.564 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Instrument :
MSVOA_X
ClientSampled :
MW-14

Tot Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.1	36.3

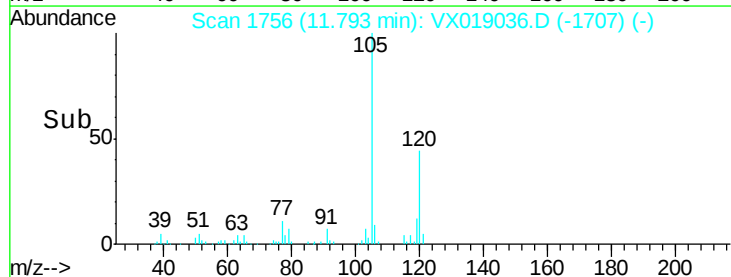
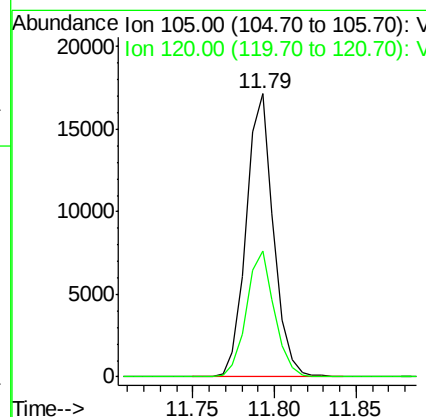
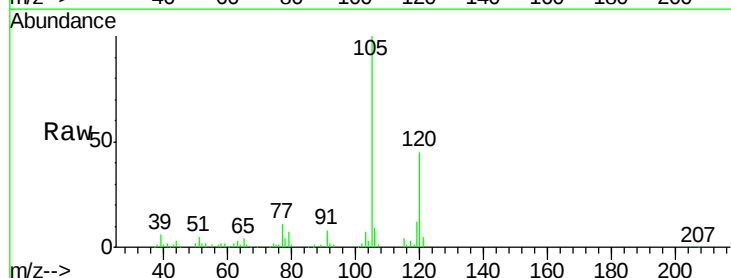
Manual Integrations
APPROVED

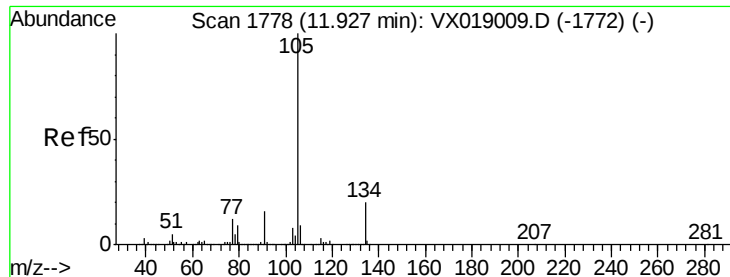
MMDadoda
10/23/2020 11:45:12 AM



#84
1,2,4-Trimethylbenzene
Concen: 1.416 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.8





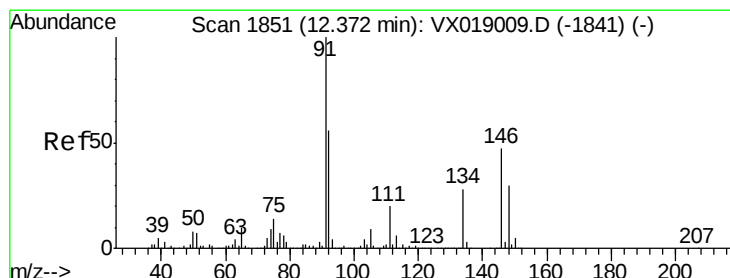
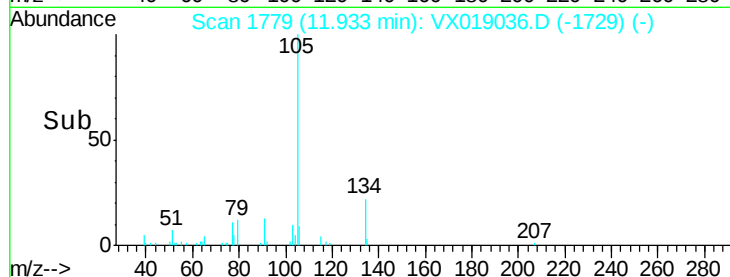
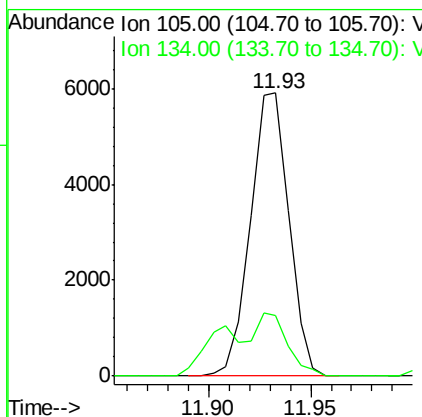
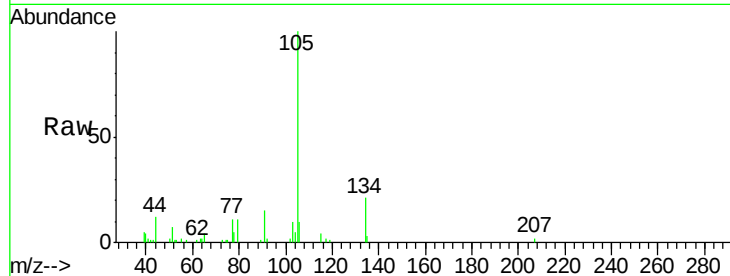
#85
 sec-Butylbenzene
 Concen: 0.463 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX019036.D
 Acq: 22 Oct 2020 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-14

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.4	31.1

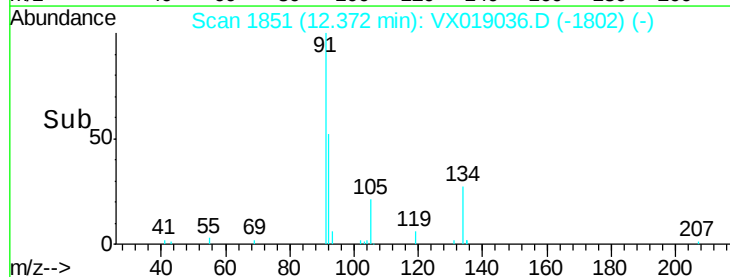
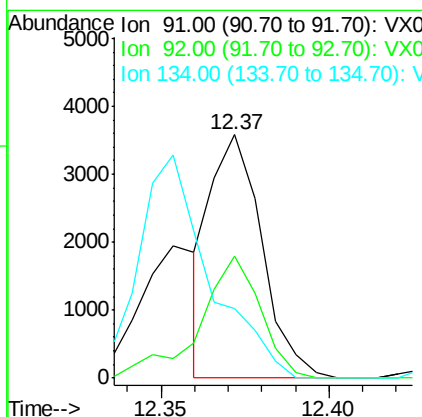
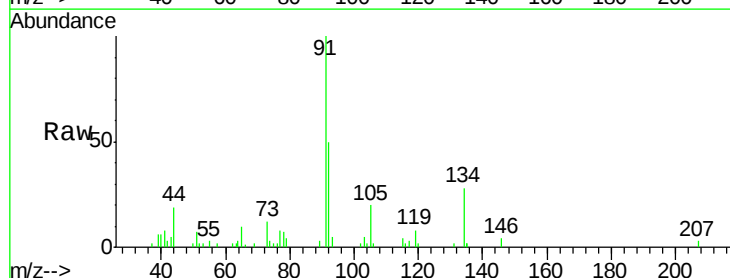
Manual Integrations
 APPROVED

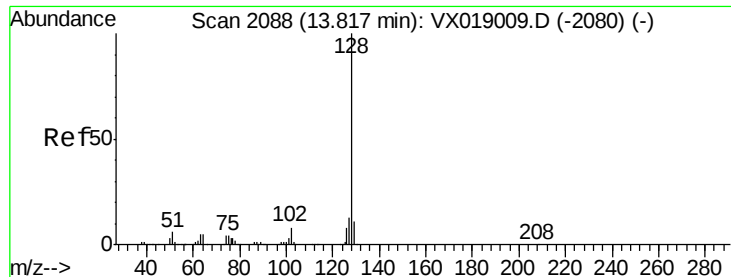
MMDadoda
 10/23/2020 11:45:12 AM



#89
 n-Butylbenzene
 Concen: 0.271 ug/l m
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019036.D
 Acq: 22 Oct 2020 18:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.7	27.3	81.9
134	127.2	13.6	40.7#





#95
Naphthalene
Concen: 1.025 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019036.D
Acq: 22 Oct 2020 18:37

Instrument :
MSVOA_X
ClientSampleId :
MW-14

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	12.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 11:45:12 AM

