

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX061920\
 Data File : VX016909.D
 Acq On : 20 Jun 2020 05:30
 Operator : JC/SP
 Sample : L3063-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-12

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 12:22:19 PM

Quant Time: Jun 22 07:24:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	310675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	449434	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	541969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	287095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	169679	45.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.82%	
35) Dibromofluoromethane	5.47	113	159418	55.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.90%	
50) Toluene-d8	8.70	98	549902	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.12	95	295216	66.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	133.98%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	74158	117.404	ug/l	99
16) Acetone	2.42	43	19367	14.278	ug/l	97
17) Carbon Disulfide	2.55	76	3134	0.365	ug/l #	88
19) Methyl tert-butyl Ether	3.17	73	90648	9.581	ug/l #	67
25) 2-Butanone	4.64	43	5525	2.960	ug/l #	81
31) Cyclohexane	5.55	56	23629	5.114	ug/l	93
39) Methylcyclohexane	7.45	83	11558	2.395	ug/l	94
40) Benzene	6.11	78	266433	21.397	ug/l	98
52) Toluene	8.77	92	10011	1.212	ug/l	100
68) m/p-Xylenes	10.35	106	17561	2.437	ug/l	99
69) o-Xylene	10.68	106	1738	0.261	ug/l	98
73) Isopropylbenzene	11.00	105	265728	14.376	ug/l	99
78) n-propylbenzene	11.34	91	248322	12.037	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	7485	0.469	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	106567	6.487	ug/l	99
85) sec-Butylbenzene	11.93	105	14139	0.771	ug/l	92
89) n-Butylbenzene	12.37	91	6588m	0.458	ug/l	
95) Naphthalene	13.82	128	83028	4.737	ug/l	99

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

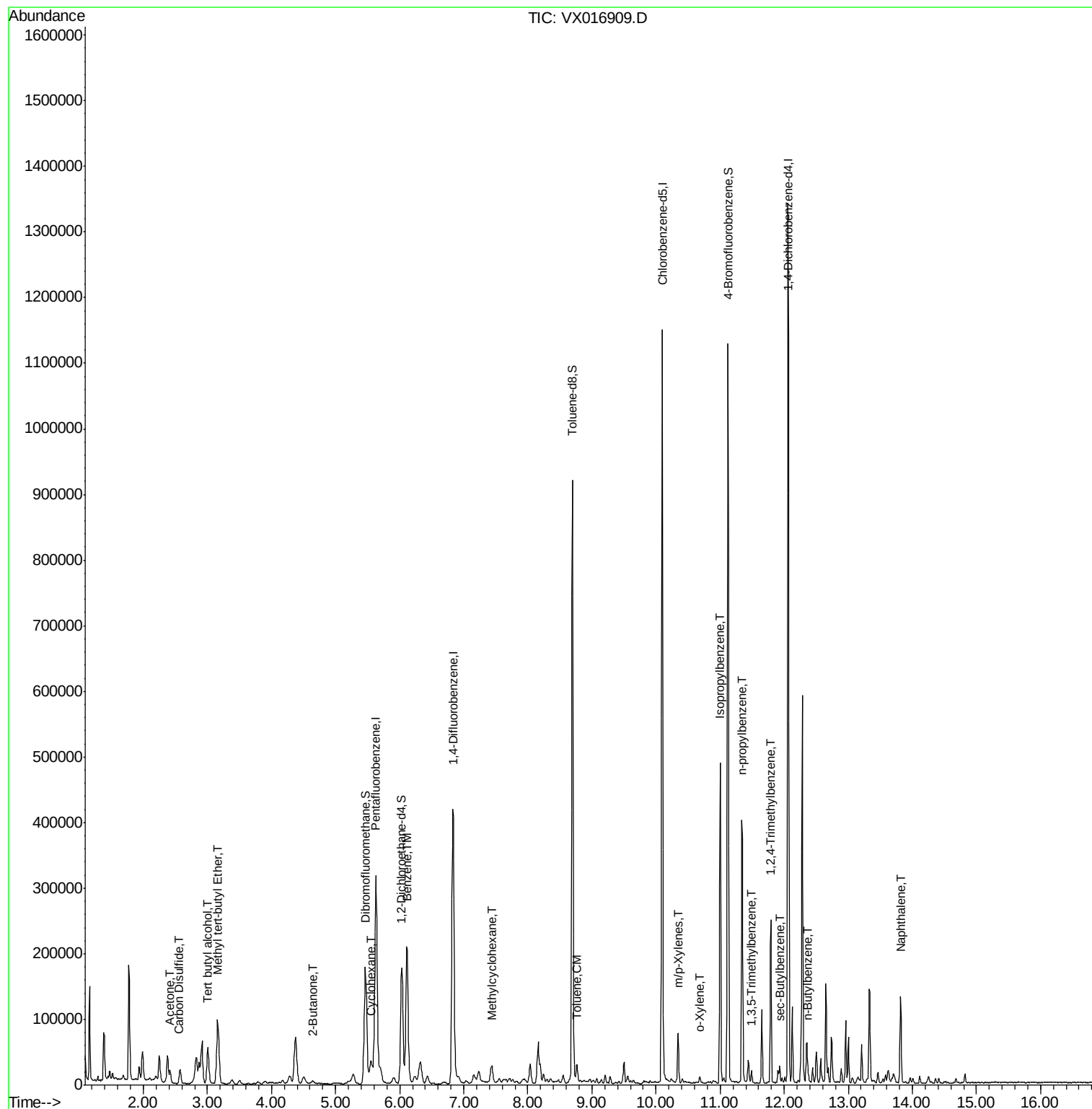
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061920\
Data File : VX016909.D
Acq On : 20 Jun 2020 05:30
Operator : JC/SP
Sample : L3063-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

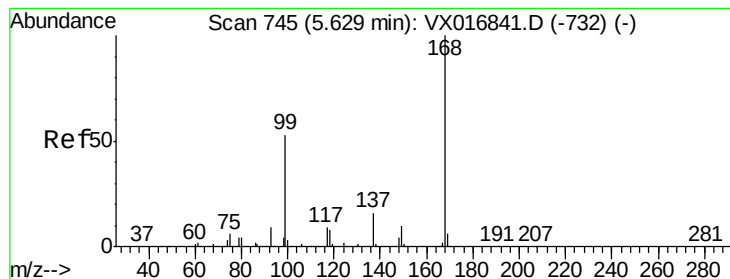
Instrument :
MSVOA_X
ClientSampled :
TW-12

Manual Integrations
APPROVED

MMDadoda
6/22/2020 12:22:19 PM

Quant Time: Jun 22 07:24:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 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: VX016909.D

Acq: 20 Jun 2020 05:30

Instrument :

MSVOA_X

ClientSampled :

TW-12

Tot Ion:168 Resp: 310675

Ion Ratio Lower Upper

168 100

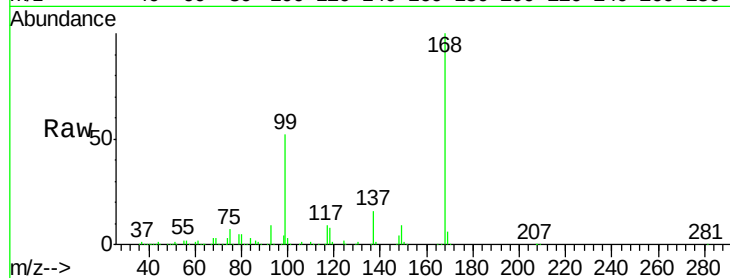
99 51.9 42.2 63.2

Manual Integrations

APPROVED

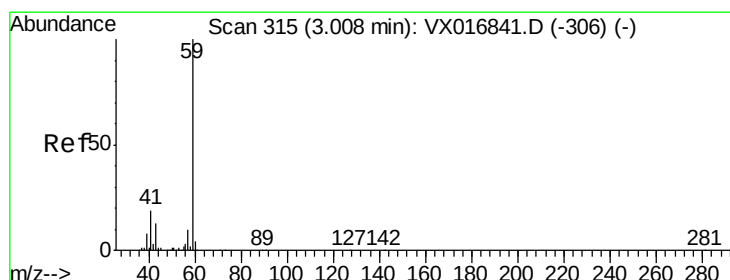
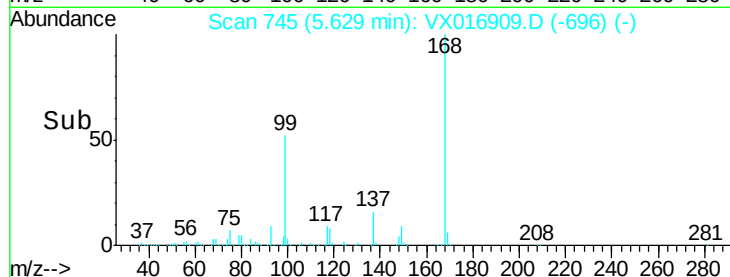
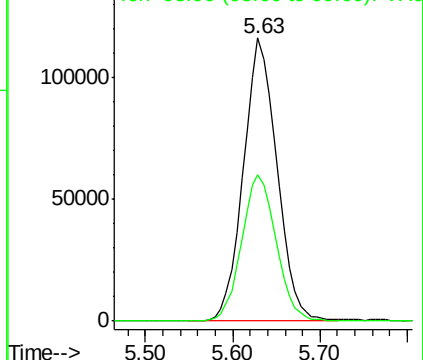
MMDadoda

6/22/2020 12:22:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 117.404 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.00 min

Lab File: VX016909.D

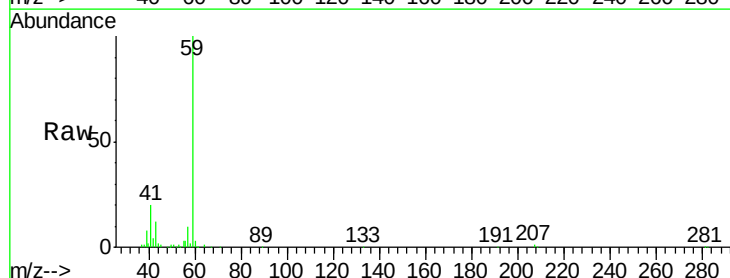
Acq: 20 Jun 2020 05:30

Tgt Ion: 59 Resp: 74158

Ion Ratio Lower Upper

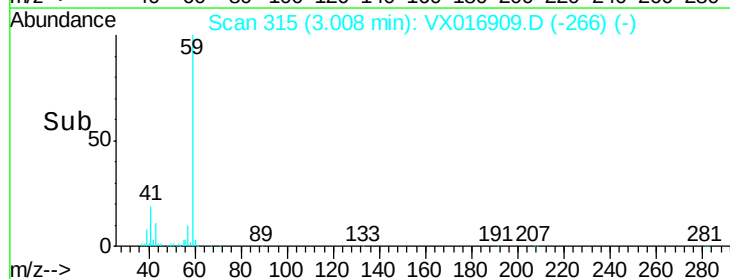
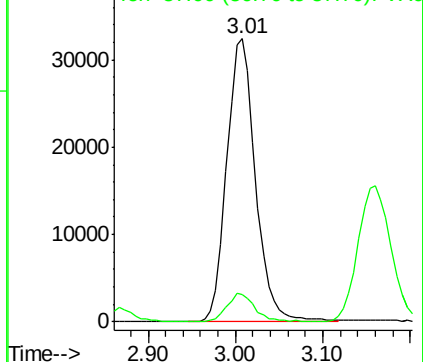
59 100

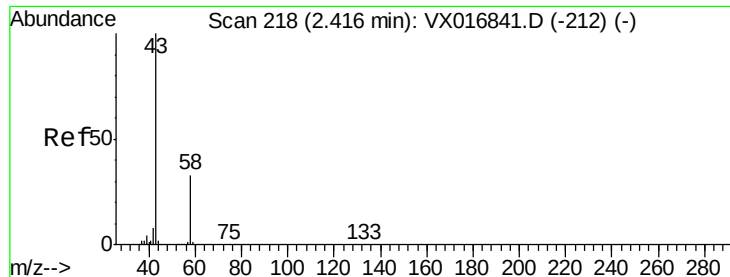
57 10.0 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





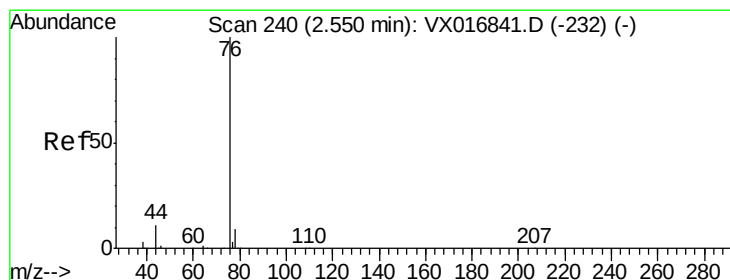
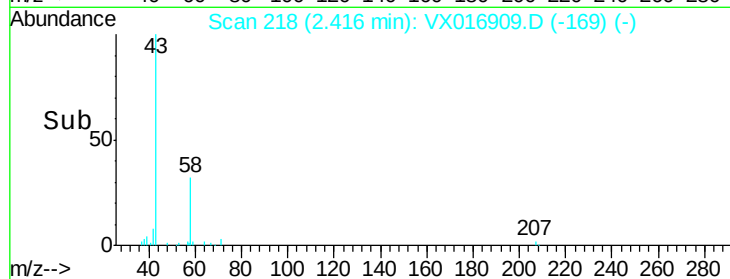
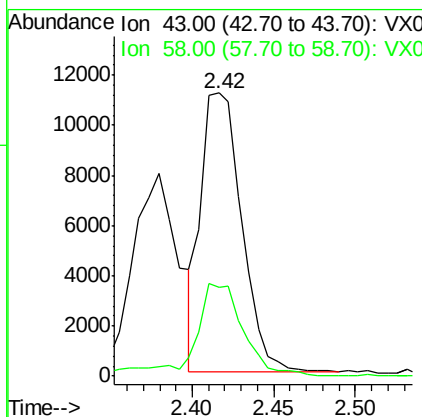
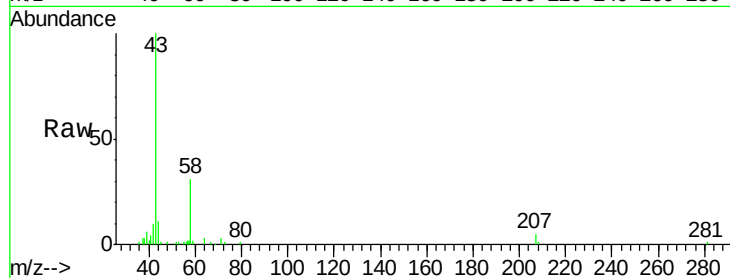
#16
Acetone
Concen: 14.278 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Instrument :
MSVOA_X
ClientSampled :
TW-12

Tot Ion: 43 Resp: 19367
Ion Ratio Lower Upper
43 100
58 31.7 26.6 39.8

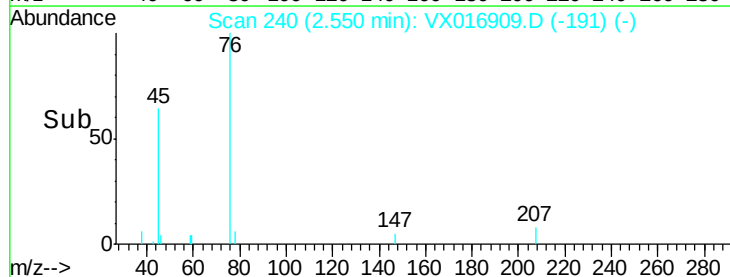
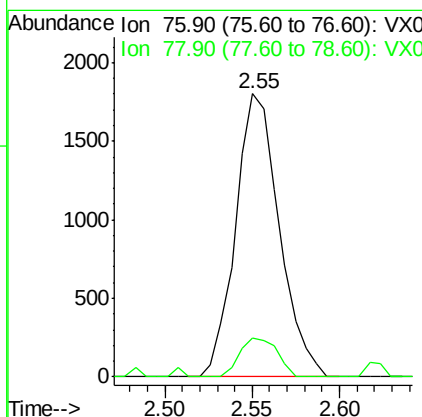
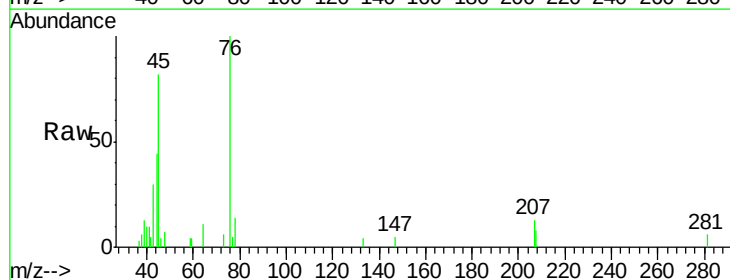
Manual Integrations
APPROVED

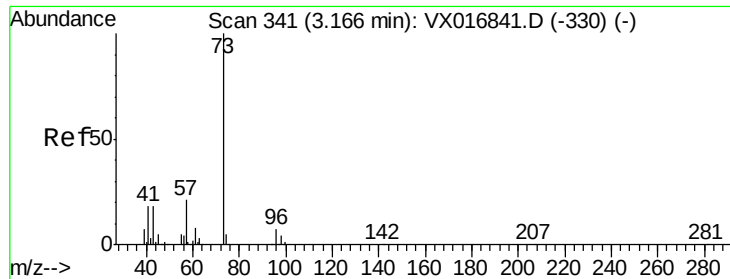
MMDadoda
6/22/2020 12:22:19 PM



#17
Carbon Disulfide
Concen: 0.365 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Tgt Ion: 76 Resp: 3134
Ion Ratio Lower Upper
76 100
78 13.7 7.5 11.3#





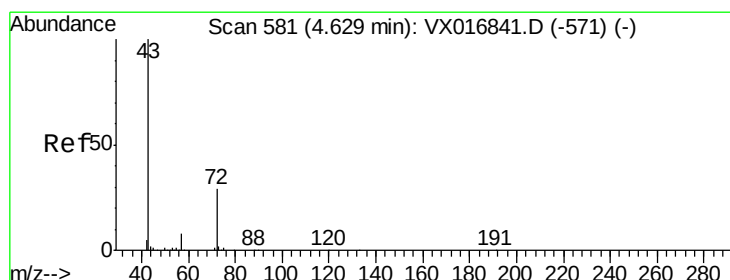
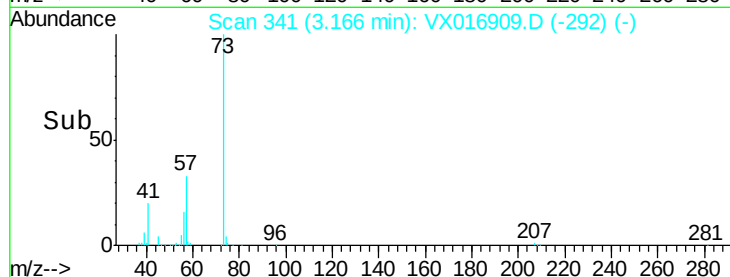
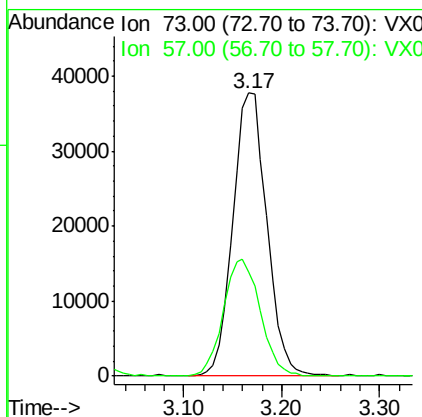
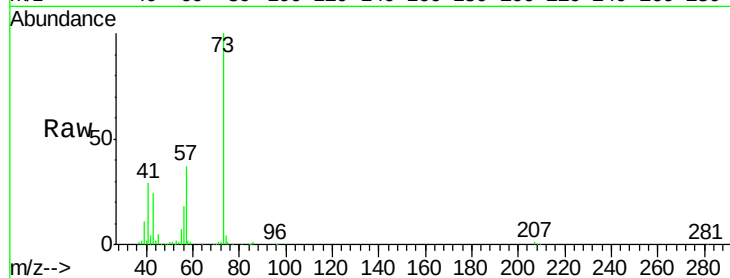
#19
Methyl tert-butyl Ether
Concen: 9.581 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Instrument :
MSVOA_X
ClientSampled :
TW-12

Tot Ion	Ratio	Lower	Upper
73	100		
57	36.8	16.9	25.3#

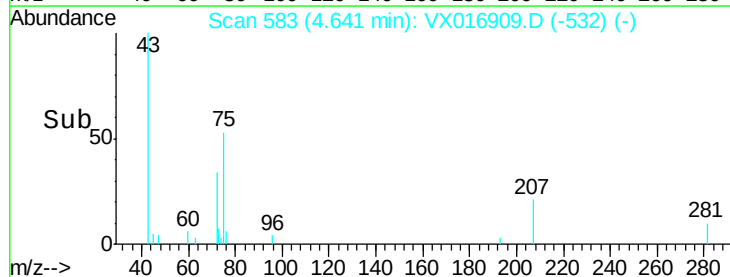
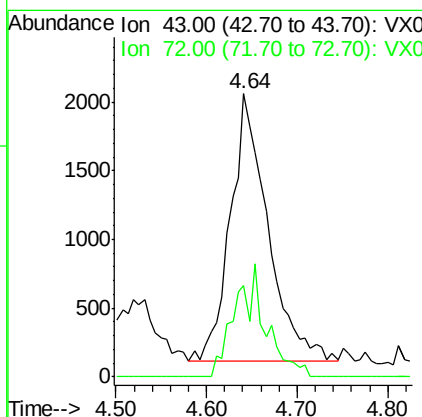
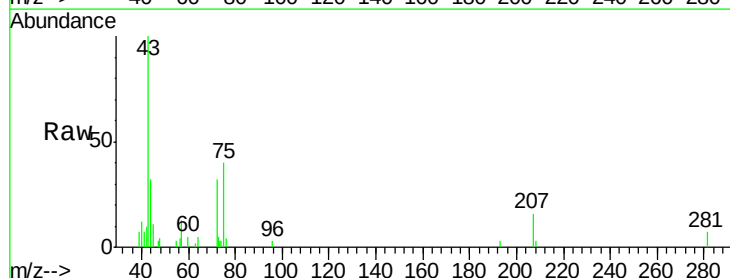
Manual Integrations
APPROVED

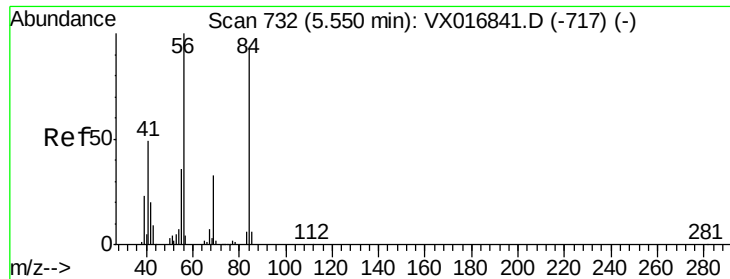
MMDadoda
6/22/2020 12:22:19 PM



#25
2-Butanone
Concen: 2.960 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	39.4	23.5	35.3#





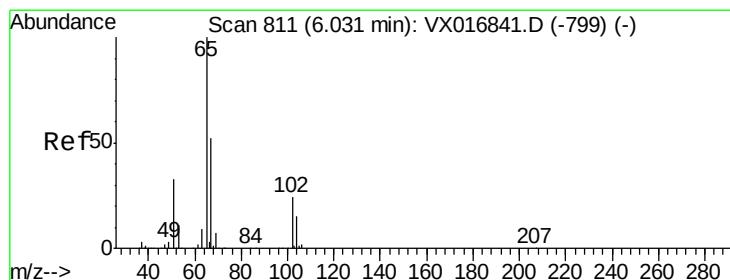
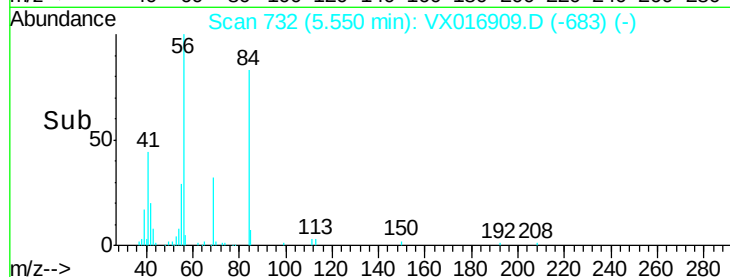
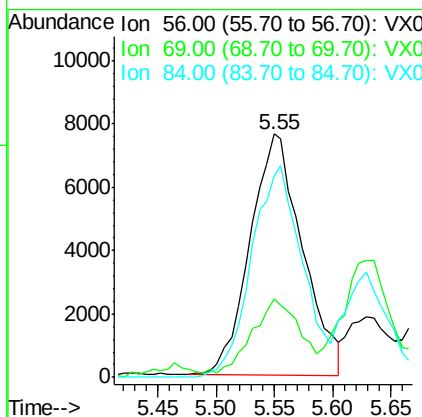
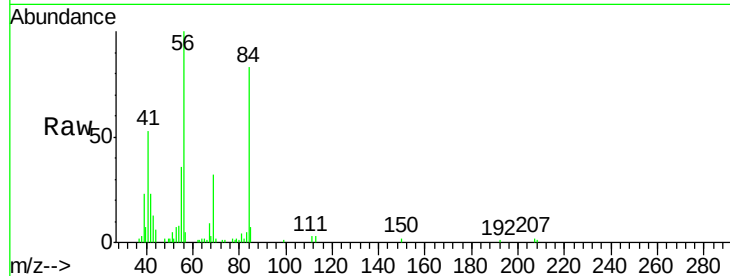
#31
Cyclohexane
Concen: 5.114 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Instrument :
MSVOA_X
ClientSampled :
TW-12

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	26.1	39.1
84	83.7	73.0	109.6

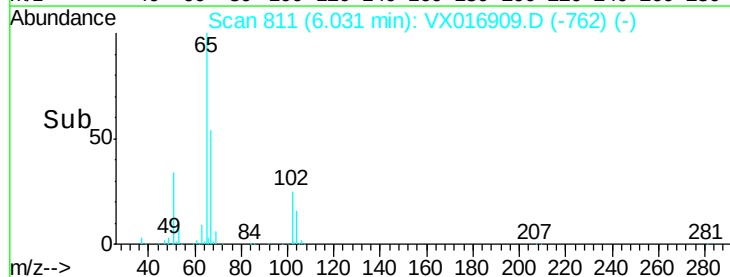
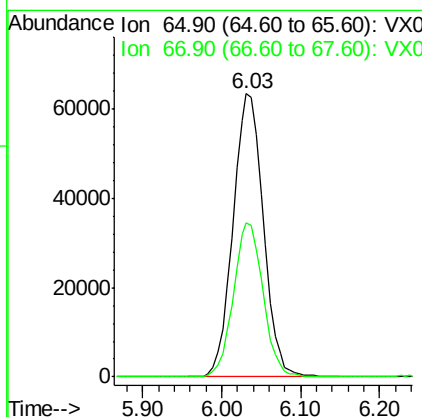
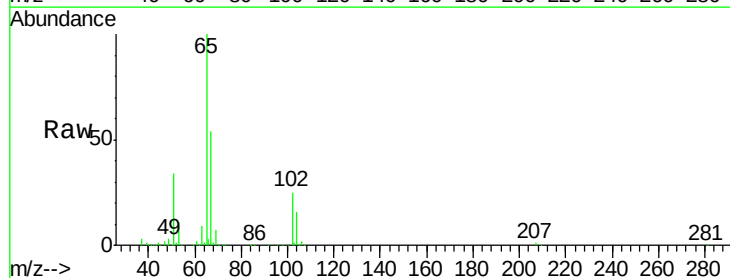
Manual Integrations
APPROVED

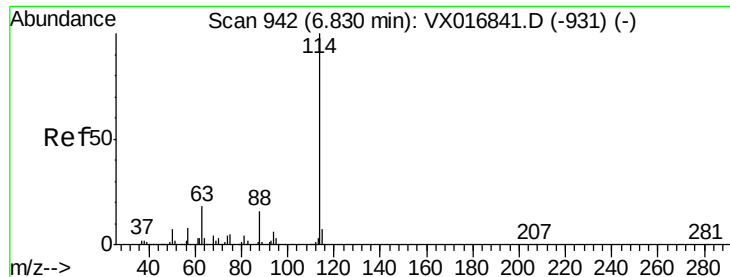
MMDadoda
6/22/2020 12:22:19 PM



#33
1,2-Dichloroethane-d4
Concen: 45.412 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016909.D

Acq: 20 Jun 2020 05:30

Instrument :

MSVOA_X

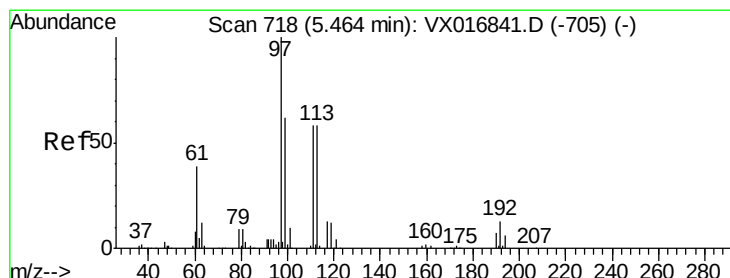
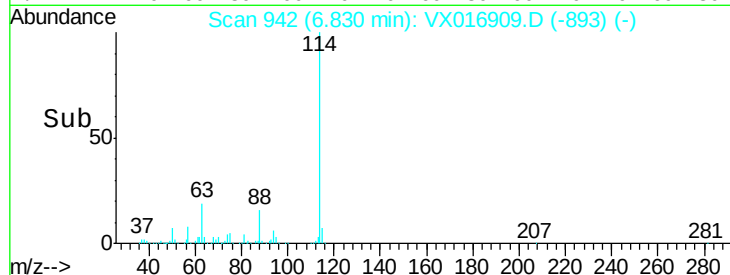
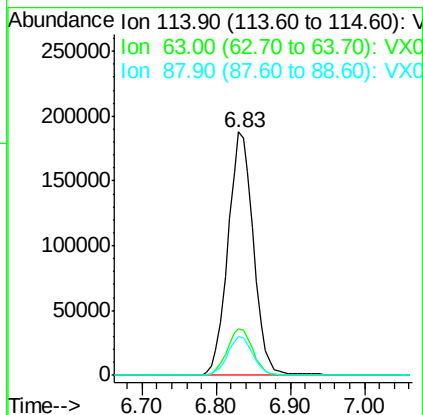
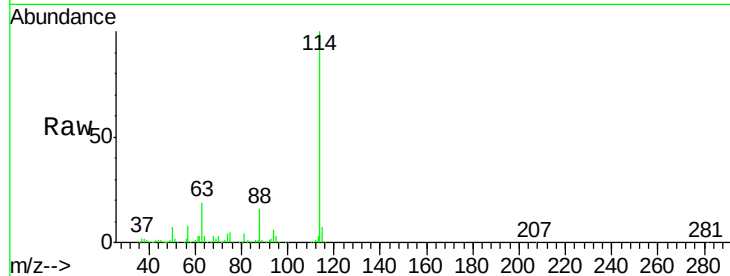
ClientSampled :

TW-12

Tot Ion:	114	Resp:	449434
Ion Ratio		Lower	Upper
114	100		
63	19.1	0.0	37.0
88	15.7	0.0	32.0

Manual Integrations
APPROVED

MMDadoda
6/22/2020 12:22:19 PM



#35

Dibromofluoromethane

Concen: 55.449 ug/l

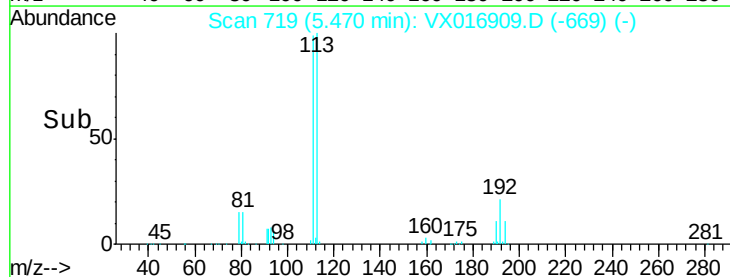
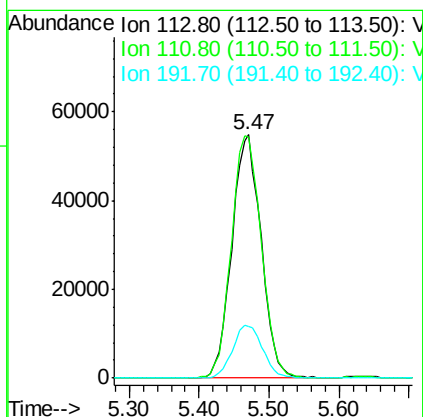
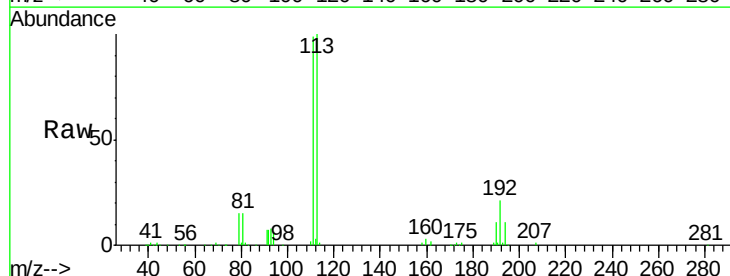
RT: 5.47 min Scan# 719

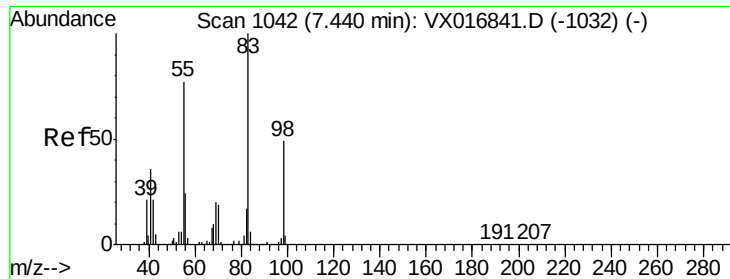
Delta R.T. 0.01 min

Lab File: VX016909.D

Acq: 20 Jun 2020 05:30

Tgt Ion:	113	Resp:	159418
Ion Ratio		Lower	Upper
113	100		
111	102.0	81.0	121.4
192	22.2	18.5	27.7





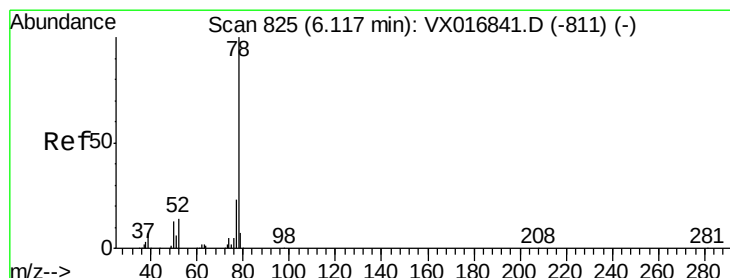
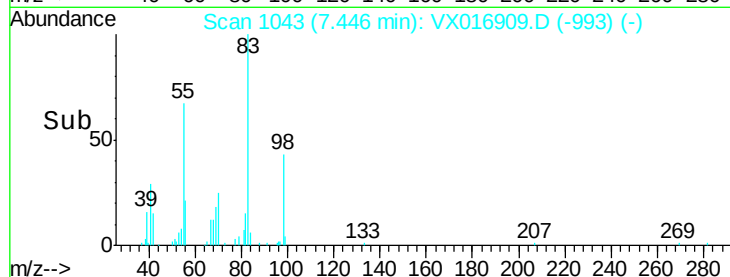
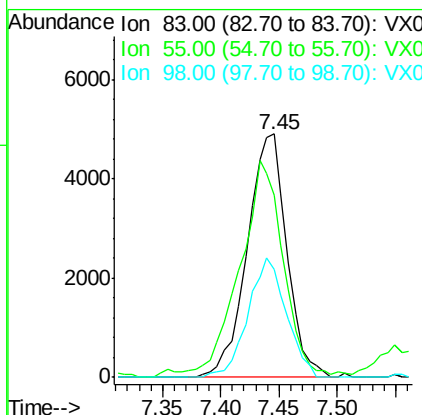
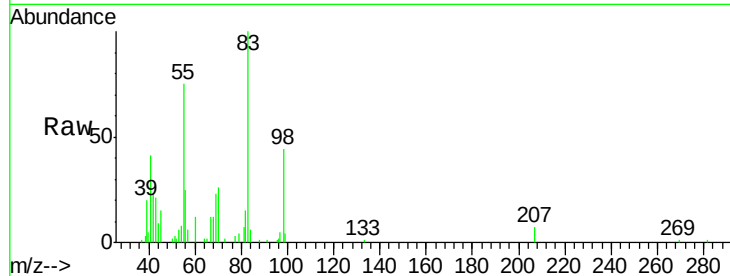
#39
Methylvlcyclohexane
Concen: 2.395 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Instrument :
MSVOA_X
ClientSampled :
TW-12

Tot Ion	83	Resp	11558
Ion Ratio	Lower	Upper	
83	100		
55	72.7	61.7	92.5
98	44.2	39.0	58.6

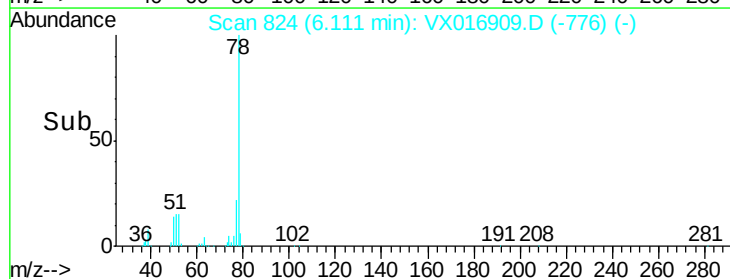
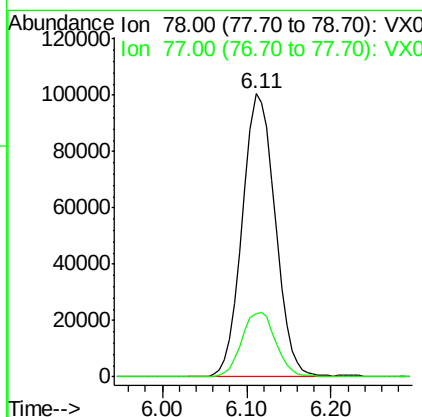
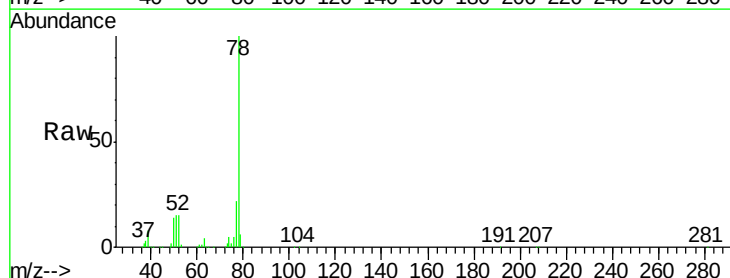
Manual Integrations
APPROVED

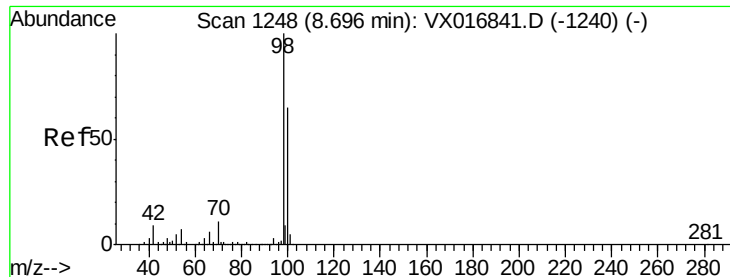
MMDadoda
6/22/2020 12:22:19 PM



#40
Benzene
Concen: 21.397 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Tgt Ion	78	Resp	266433
Ion Ratio	Lower	Upper	
78	100		
77	22.2	18.6	27.8





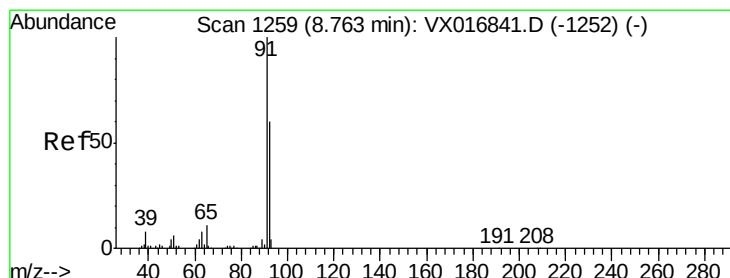
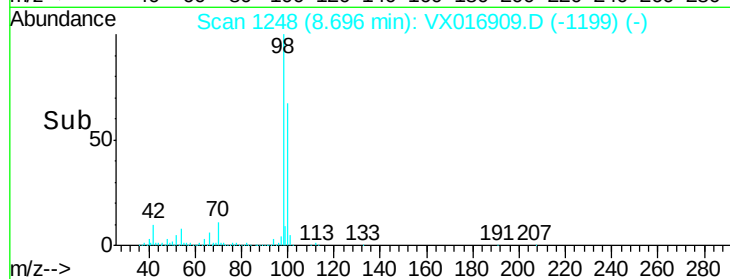
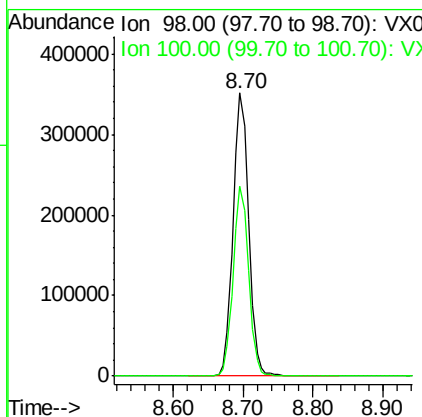
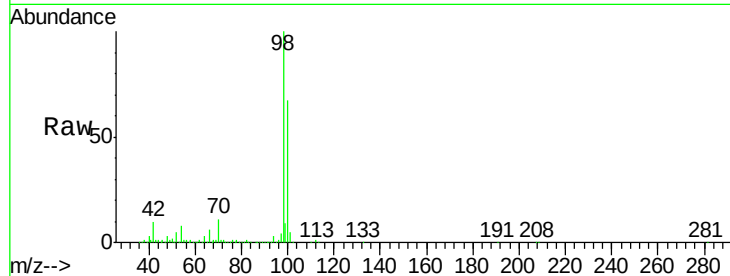
#50
Toluene-d8
Concen: 47.807 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Instrument :
MSVOA_X
ClientSampled :
TW-12

Tot Ion	98	Resp	549902
Ion Ratio	100	Lower	Upper
98	100		
100	66.4	54.0	81.0

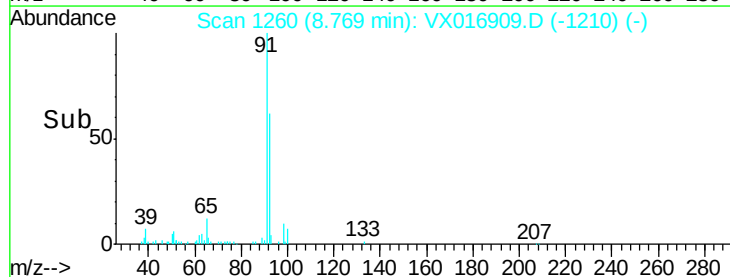
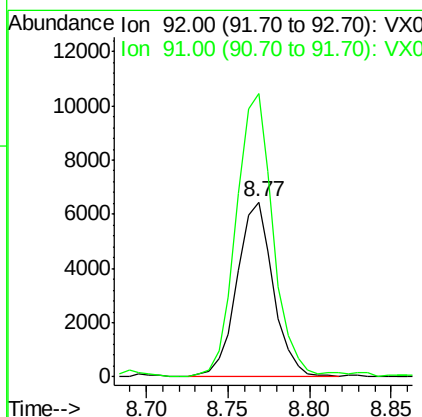
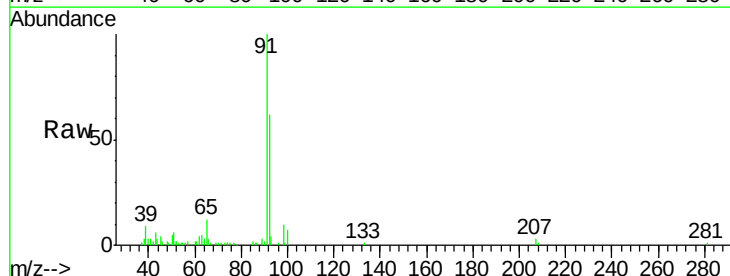
Manual Integrations
APPROVED

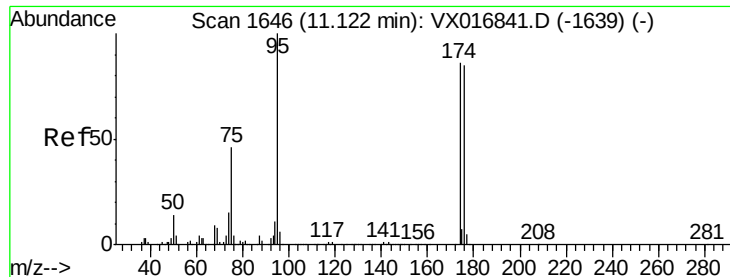
MMDadoda
6/22/2020 12:22:19 PM



#52
Toluene
Concen: 1.212 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Tgt Ion	92	Resp	10011
Ion Ratio	100	Lower	Upper
92	100		
91	167.0	134.2	201.2





#62

4-Bromofluorobenzene

Concen: 66.986 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016909.D

Acq: 20 Jun 2020 05:30

Instrument :

MSVOA_X

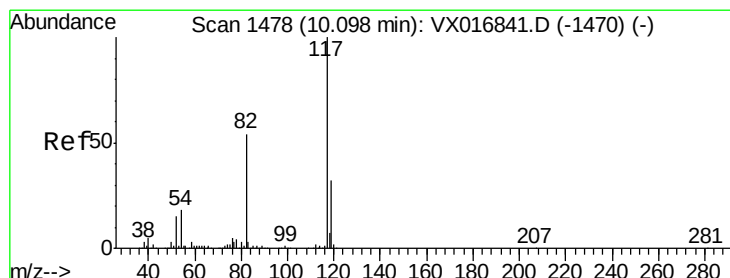
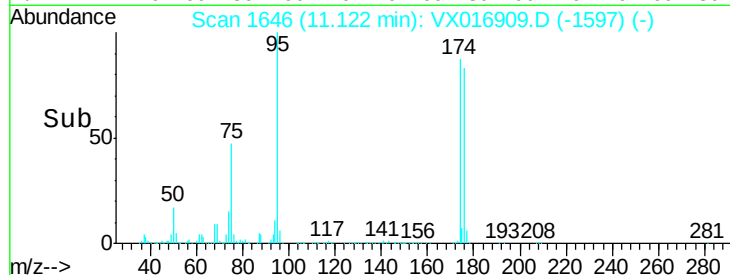
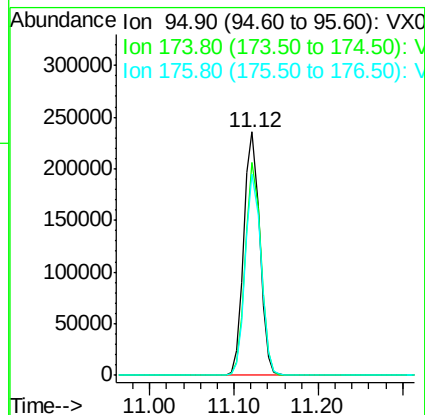
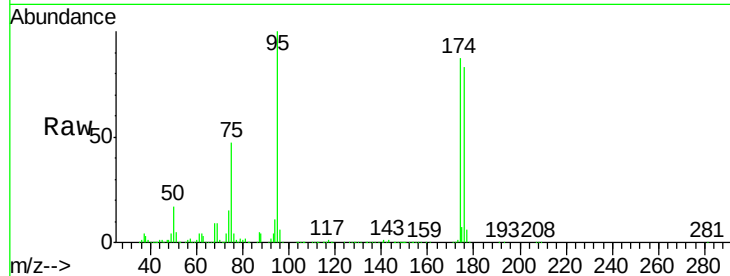
ClientSampled :

TW-12

Tot Ion:	95	Resp:	295216
Ion Ratio	Lower	Upper	
95	100		
174	85.5	0.0	174.2
176	81.6	0.0	170.0

Manual Integrations
APPROVED

MMDadoda
6/22/2020 12:22:19 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

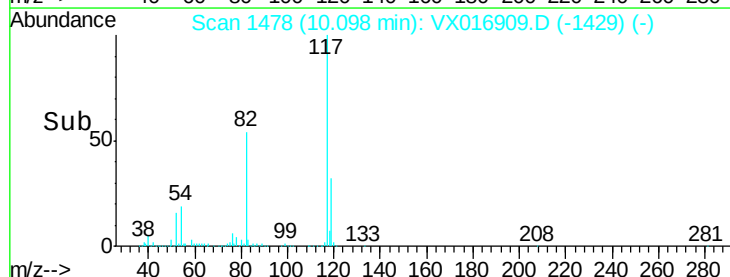
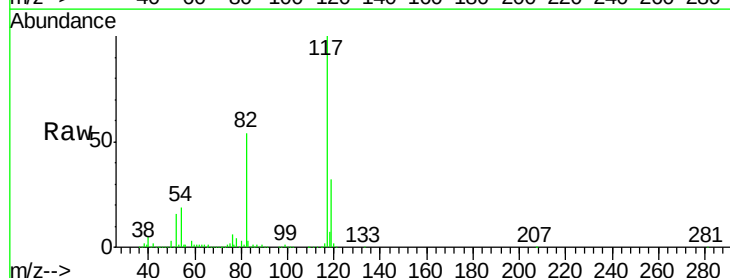
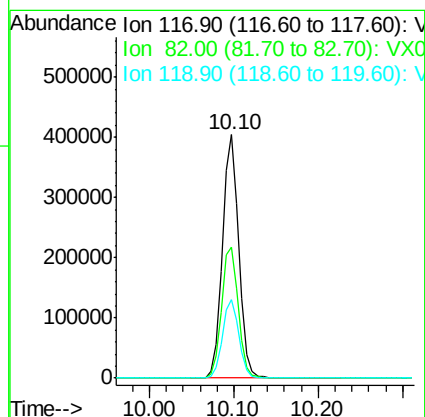
RT: 10.10 min Scan# 1478

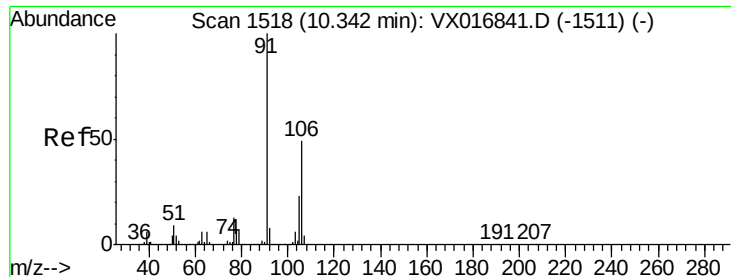
Delta R.T. -0.00 min

Lab File: VX016909.D

Acq: 20 Jun 2020 05:30

Tgt Ion:	117	Resp:	541969
Ion Ratio	Lower	Upper	
117	100		
82	53.7	43.4	65.0
119	32.2	25.7	38.5





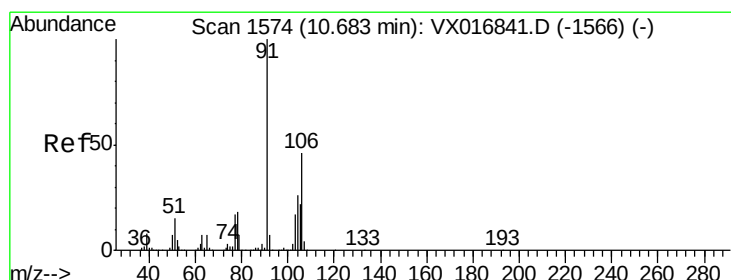
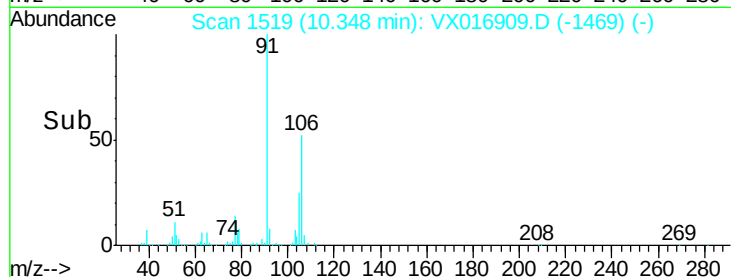
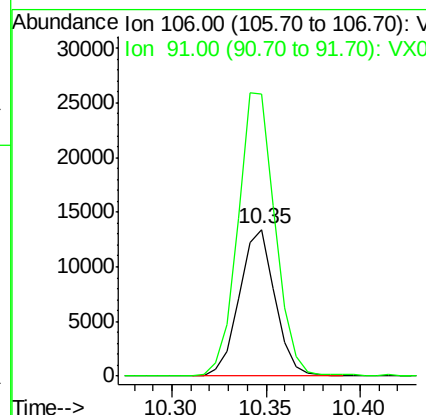
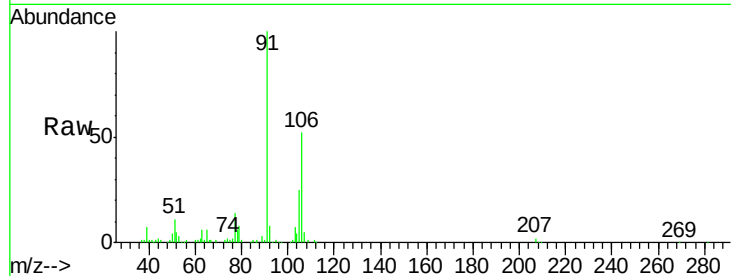
#68
m/p-Xylenes
Concen: 2.437 ug/l
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Instrument :
MSVOA_X
ClientSampled :
TW-12

Tot Ion:106 Resp: 17561
Ion Ratio Lower Upper
106 100
91 203.1 161.5 242.3

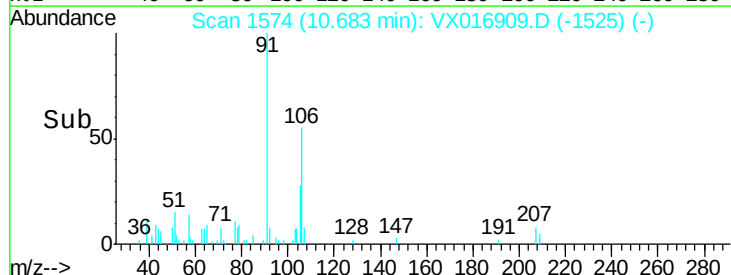
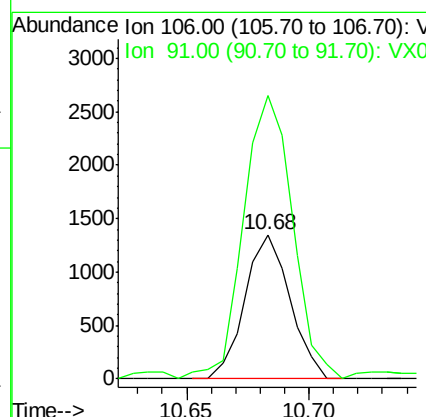
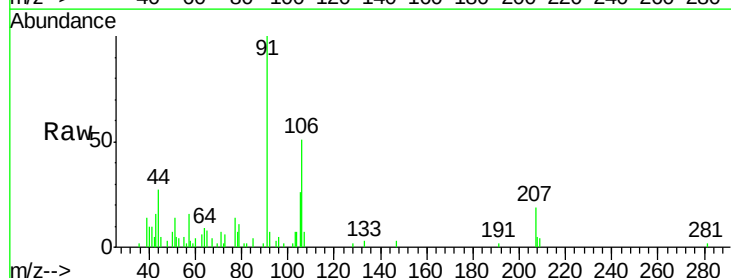
Manual Integrations
APPROVED

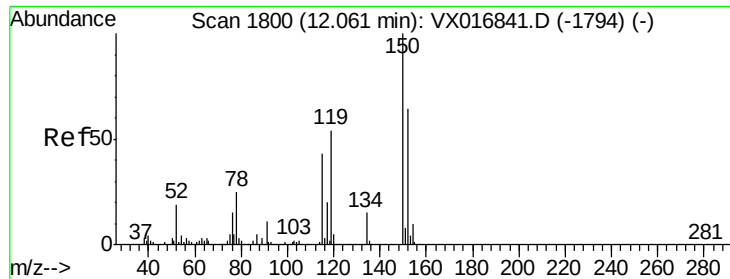
MMDadoda
6/22/2020 12:22:19 PM



#69
o-Xylene
Concen: 0.261 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Tgt Ion:106 Resp: 1738
Ion Ratio Lower Upper
106 100
91 212.9 107.9 323.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016909.D

Acq: 20 Jun 2020 05:30

Instrument :

MSVOA_X

ClientSampled :

TW-12

Tot Ion:152 Resp: 287095

Ion Ratio Lower Upper

152 100

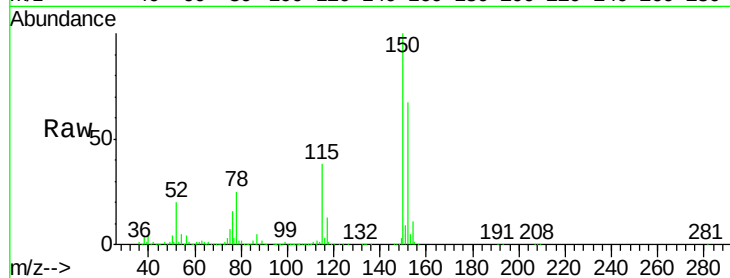
115 56.1 40.9 122.8

150 153.1 0.0 344.2

Manual Integrations
APPROVED

MMDadoda

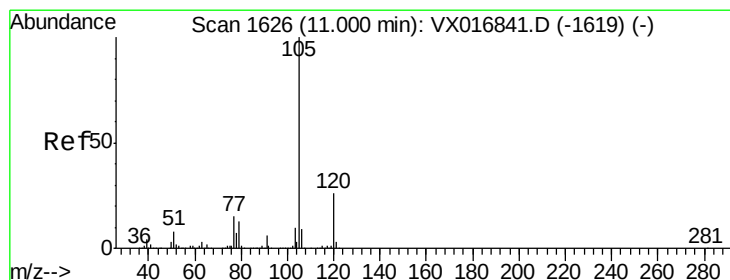
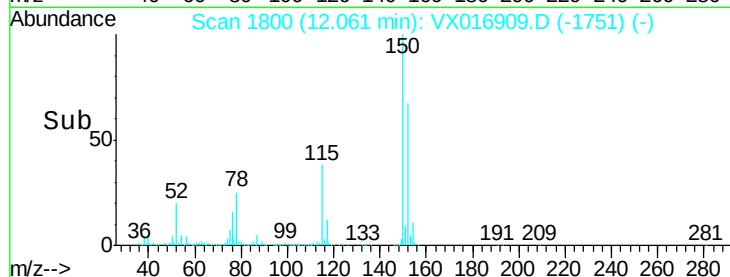
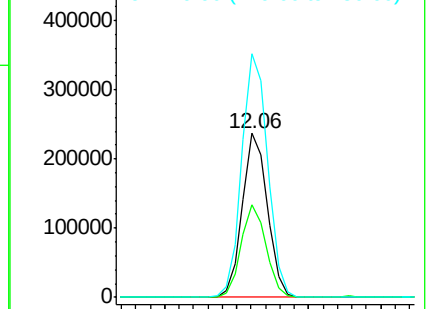
6/22/2020 12:22:19 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 14.376 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016909.D

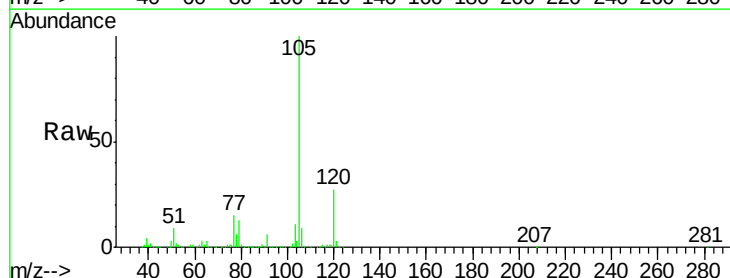
Acq: 20 Jun 2020 05:30

Tgt Ion:105 Resp: 265728

Ion Ratio Lower Upper

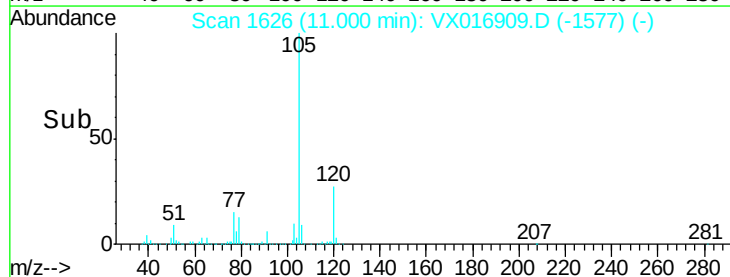
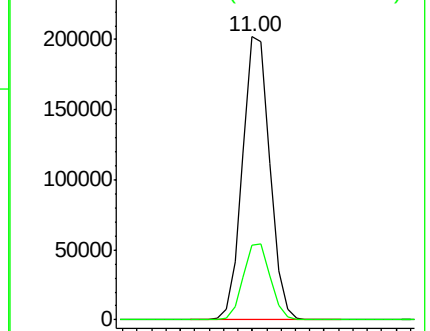
105 100

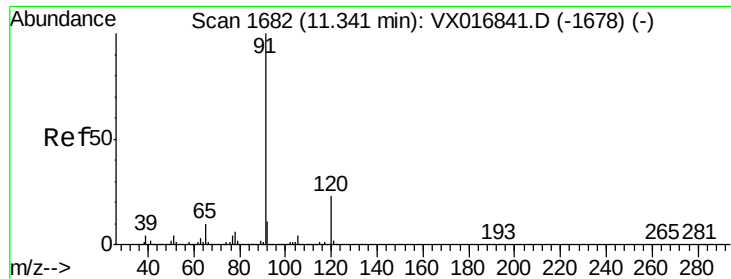
120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 12.037 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016909.D

Acq: 20 Jun 2020 05:30

Instrument :

MSVOA_X

ClientSampled :

TW-12

Tot Ion: 91 Resp: 248322

Ion Ratio Lower Upper

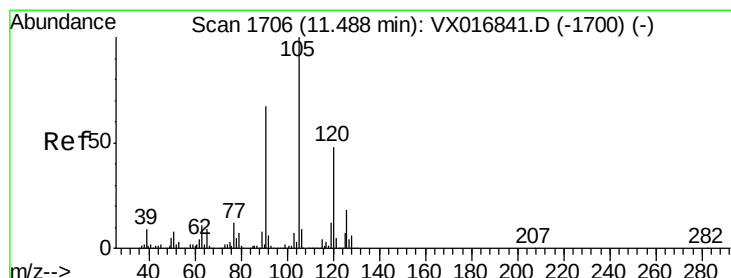
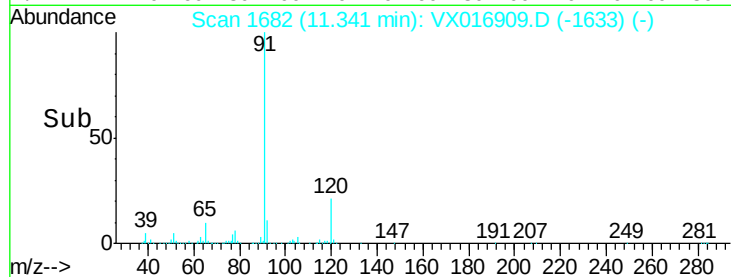
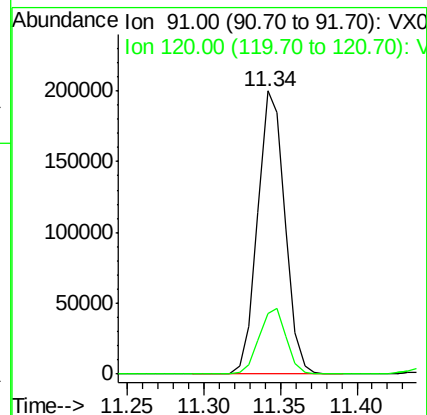
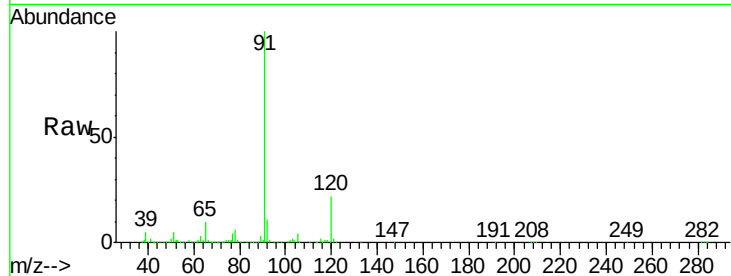
91 100

120 23.2 11.9 35.5

Manual Integrations
APPROVED

MMDadoda

6/22/2020 12:22:19 PM



#80

1,3,5-Trimethylbenzene

Concen: 0.469 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016909.D

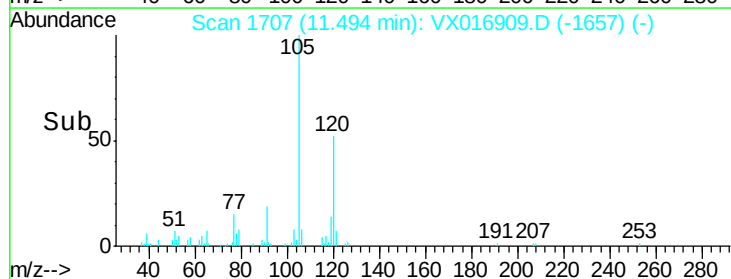
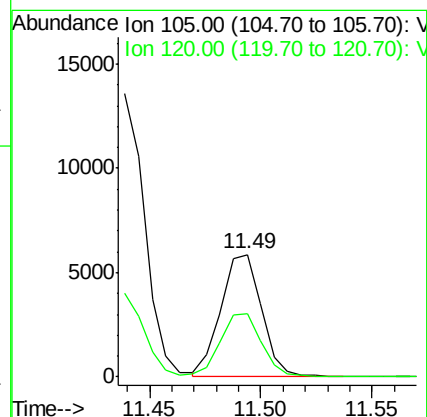
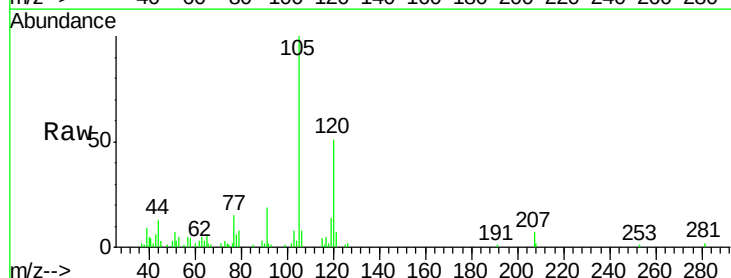
Acq: 20 Jun 2020 05:30

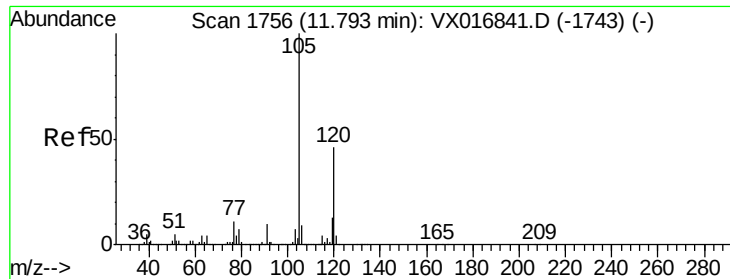
Tgt Ion: 105 Resp: 7485

Ion Ratio Lower Upper

105 100

120 52.4 24.6 74.0





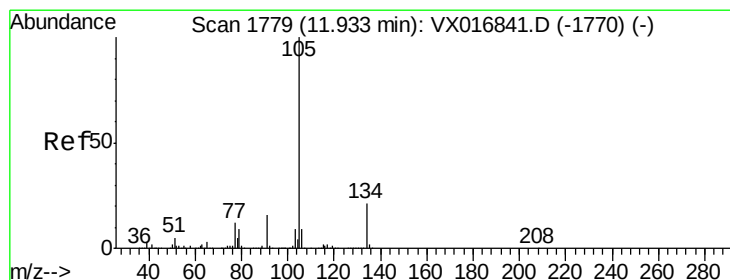
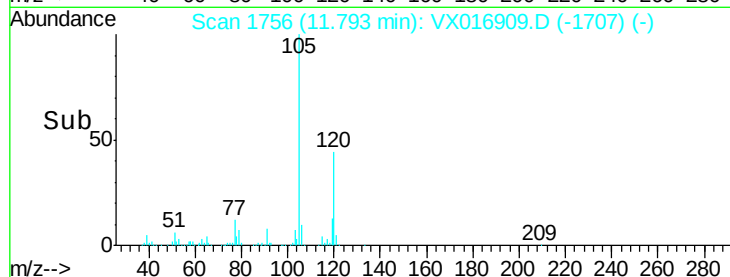
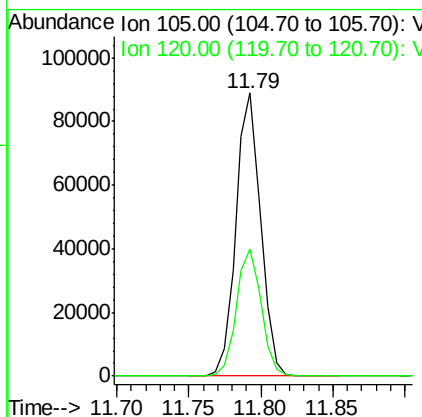
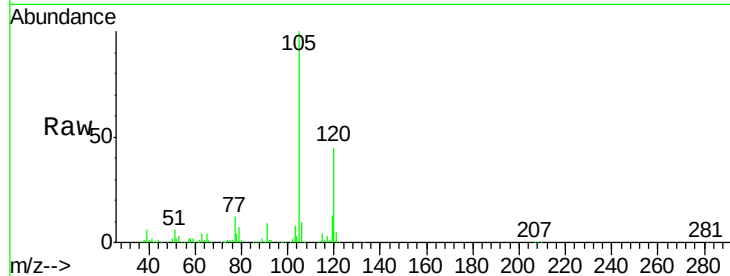
#84
 1,2,4-Trimethylbenzene
 Concen: 6.487 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016909.D
 Acq: 20 Jun 2020 05:30

Instrument :
 MSVOA_X
 ClientSampled :
 TW-12

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9

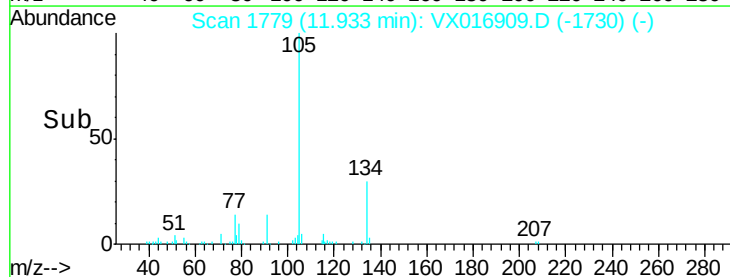
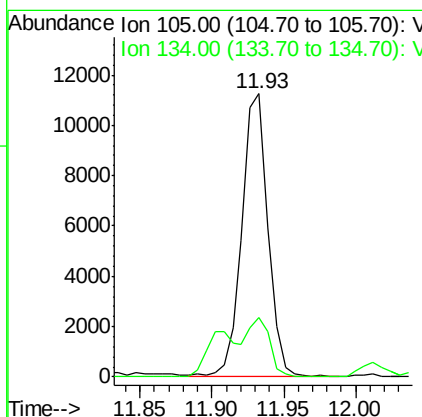
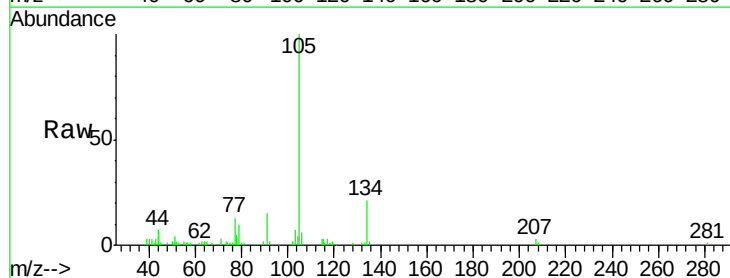
Manual Integrations
 APPROVED

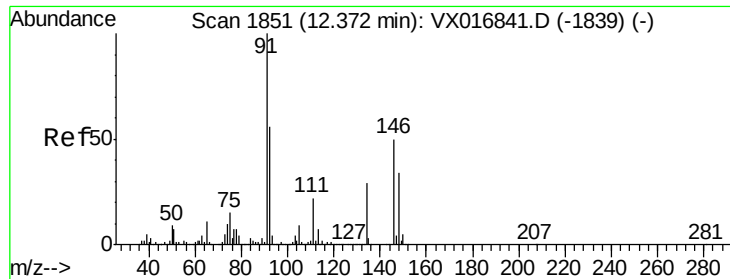
MMDadoda
 6/22/2020 12:22:19 PM



#85
 sec-Butylbenzene
 Concen: 0.771 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016909.D
 Acq: 20 Jun 2020 05:30

Tgt Ion	Ratio	Lower	Upper
105	100		
134	16.9	10.4	31.2





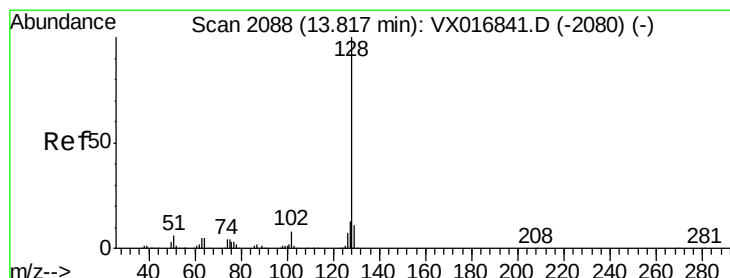
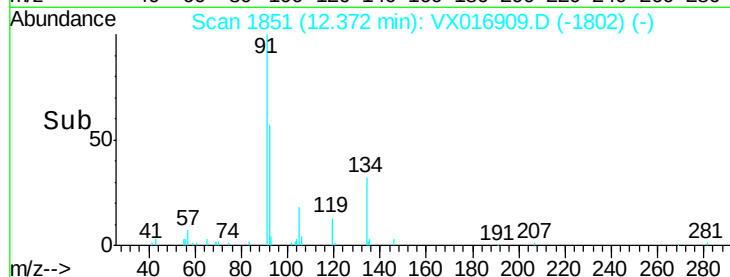
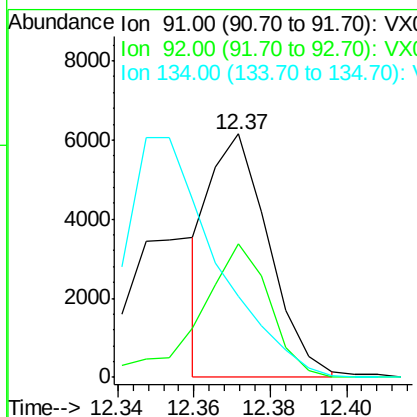
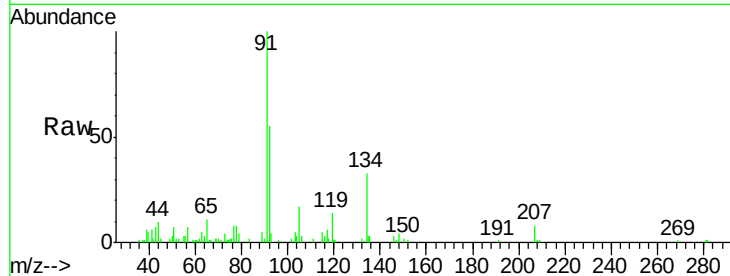
#89
n-Butylbenzene
Concen: 0.458 ug/l m
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Instrument :
MSVOA_X
ClientSampled :
TW-12

Tot Ion	Ratio	Lower	Upper
91	100		
92	65.7	27.4	82.2
134	152.7	13.9	41.6#

Manual Integrations
APPROVED

MMDadoda
6/22/2020 12:22:19 PM



#95
Naphthalene
Concen: 4.737 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016909.D
Acq: 20 Jun 2020 05:30

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.9	8.6	13.0

