

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX060420\
 Data File : VX016578.D
 Acq On : 04 Jun 2020 11:37
 Operator : JC/SP
 Sample : L2859-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-UST

Manual Integrations
 APPROVED

MMDadoda
 6/5/2020 10:12:07 AM

Quant Time: Jun 05 06:36:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	253330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	398772	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	393642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	212021	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	143329	45.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.12%	
35) Dibromofluoromethane	5.46	113	119307	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	
50) Toluene-d8	8.70	98	500095	52.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.66%	
62) 4-Bromofluorobenzene	11.12	95	204294	55.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.64%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.00	59	57344	71.081	ug/l #	72
16) Acetone	2.42	43	11890	8.626	ug/l	92
31) Cyclohexane	5.55	56	940734	215.135	ug/l	97
39) Methylcyclohexane	7.44	83	1232621	300.570	ug/l	98
40) Benzene	6.11	78	127943	11.379	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	38226m	8.683	ug/l	
52) Toluene	8.76	92	81844	11.543	ug/l	100
59) 2-Hexanone	9.47	43	42618	12.448	ug/l	99
67) Ethyl Benzene	10.26	91	64333	4.502	ug/l #	61
68) m/p-Xylenes	10.34	106	709820	133.986	ug/l	98
69) o-Xylene	10.68	106	264170	51.489	ug/l	98
73) Isopropylbenzene	11.00	105	29348	1.998	ug/l	99
78) n-propylbenzene	11.34	91	23685	1.443	ug/l #	52
80) 1,3,5-Trimethylbenzene	11.49	105	990341	80.736	ug/l	100
83) tert-Butylbenzene	11.76	119	16110	1.537	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	1300028	104.797	ug/l	99
85) sec-Butylbenzene	11.93	105	51788	3.939	ug/l	84
86) p-Isopropyltoluene	12.05	119	204398	16.596	ug/l	97
94) Hexachlorobutadiene	13.77	225	1462	0.867	ug/l	95
95) Naphthalene	13.82	128	45924	3.119	ug/l #	87

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

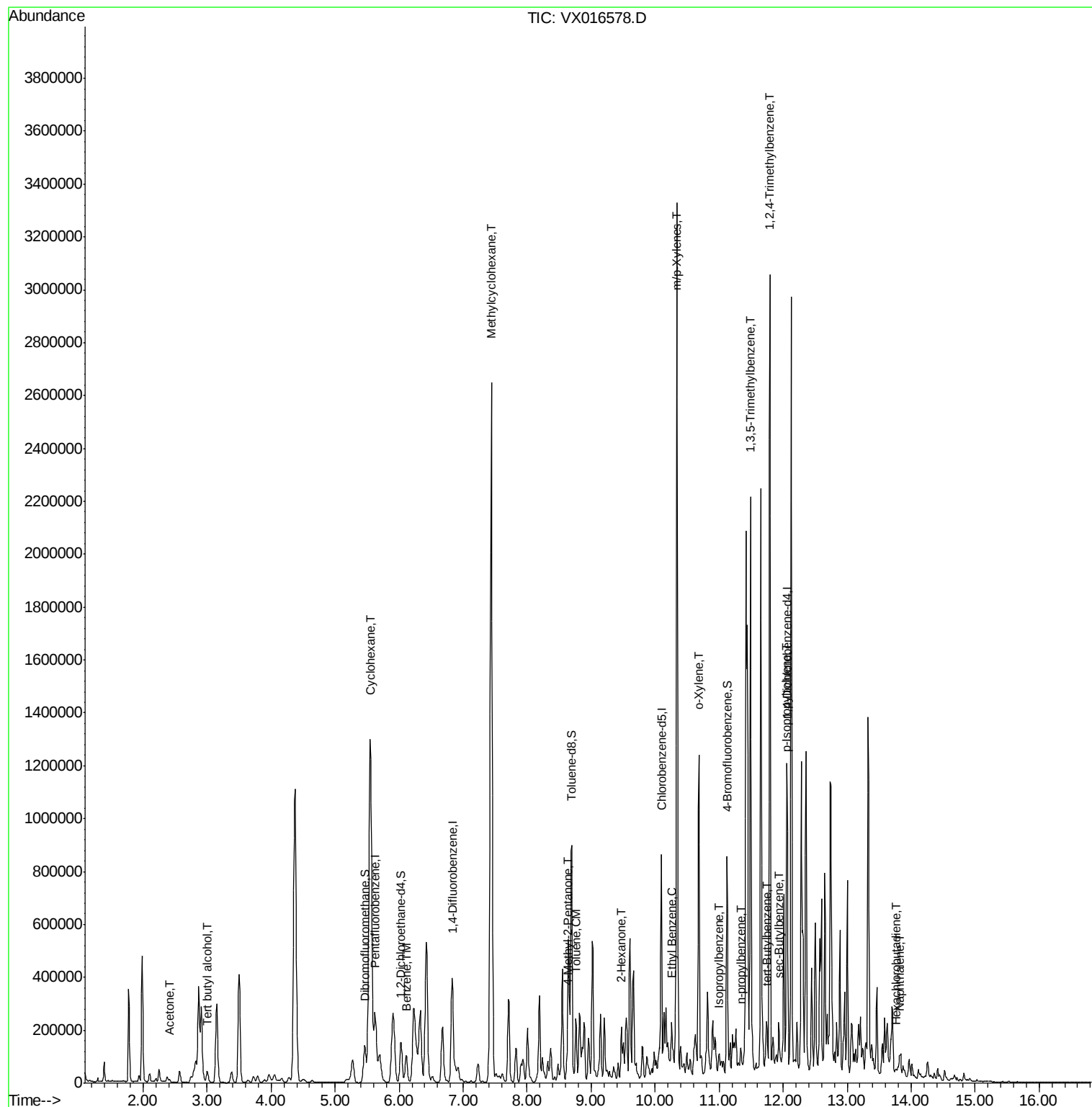
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060420\
Data File : VX016578.D
Acq On : 04 Jun 2020 11:37
Operator : JC/SP
Sample : L2859-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

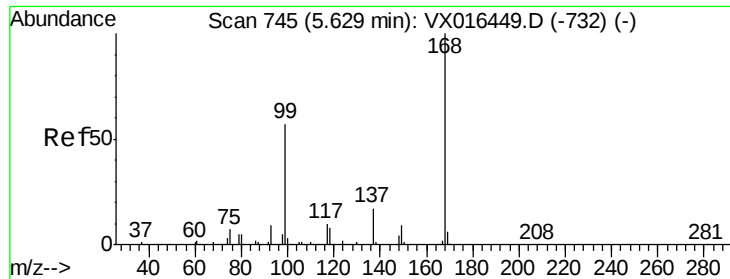
Instrument :
MSVOA_X
ClientSampleId :
SP-UST

Manual Integrations
APPROVED

MMDadoda
6/5/2020 10:12:07 AM

Quant Time: Jun 05 06:36:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

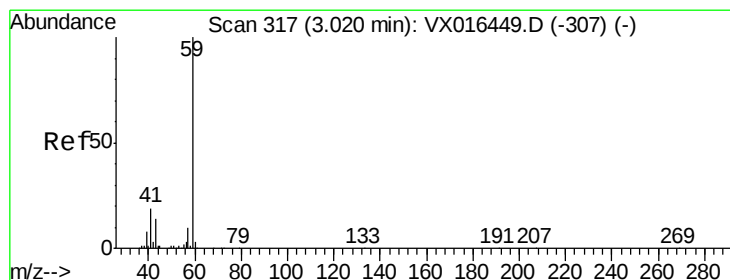
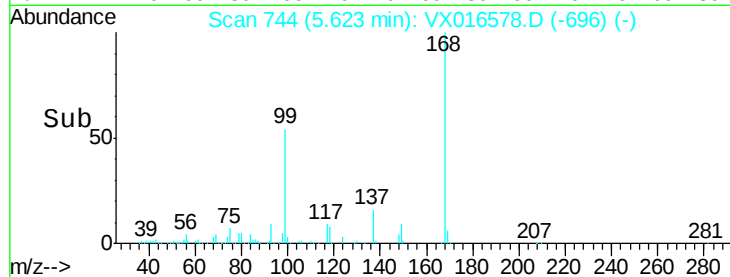
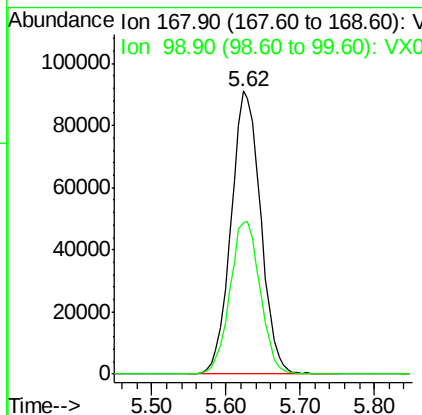
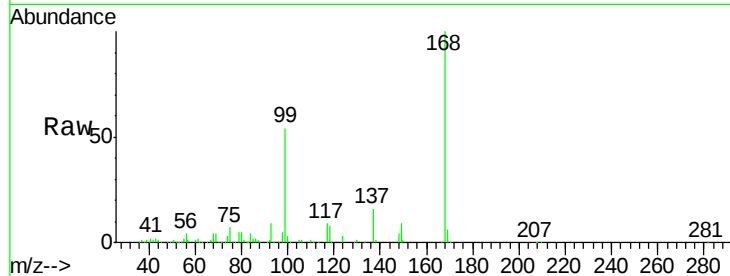
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: VX016578.D
 Acq: 04 Jun 2020 11:37

Instrument :
 MSVOA_X
 ClientSampled :
 SP-UST

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.6	45.2	67.8

Manual Integrations
 APPROVED

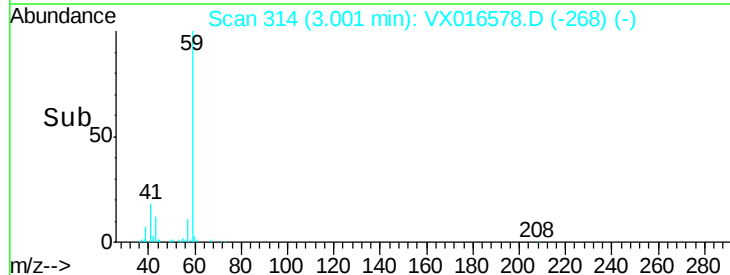
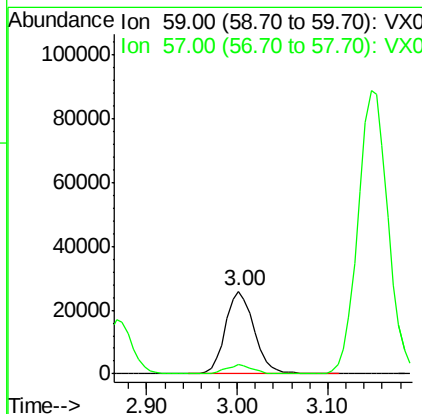
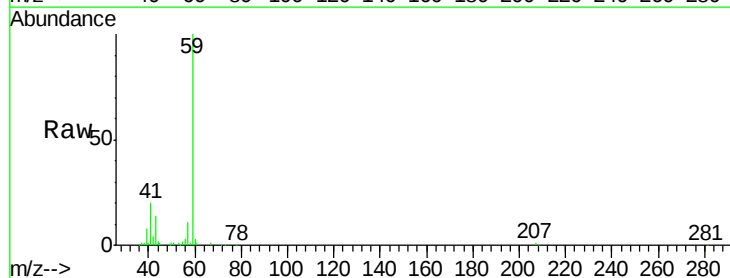
MMDadoda
 6/5/2020 10:12:07 AM

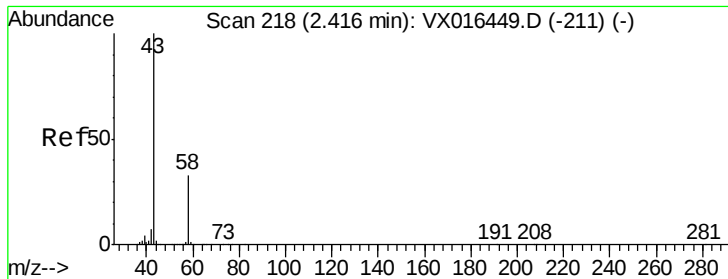


#11

Tert butyl alcohol
 Concen: 71.081 ug/l
 RT: 3.00 min Scan# 314
 Delta R.T. -0.02 min
 Lab File: VX016578.D
 Acq: 04 Jun 2020 11:37

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#





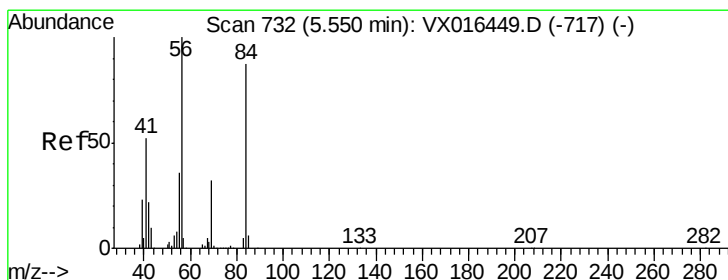
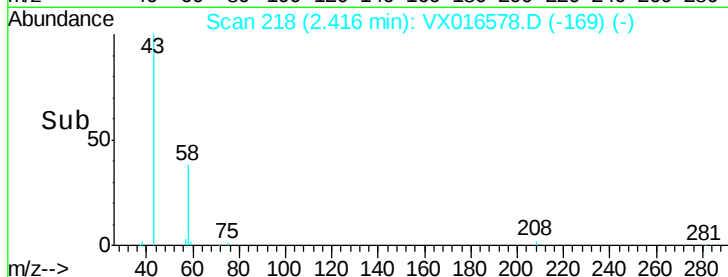
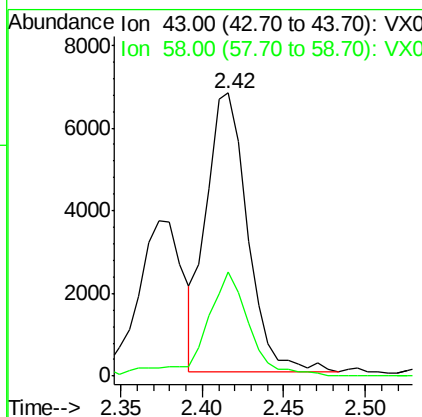
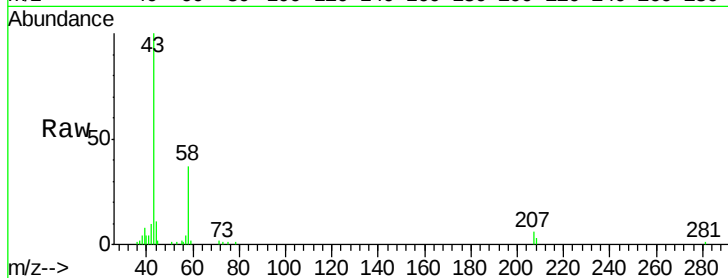
#16
Acetone
Concen: 8.626 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
SP-UST

Tot Ion	43	Resp	11890
Ion Ratio	43	100	
Lower	58	37.2	26.1
Upper			39.1

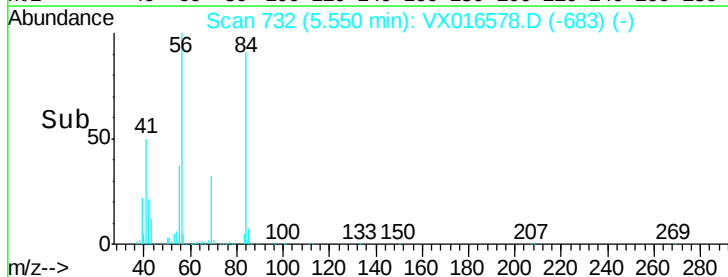
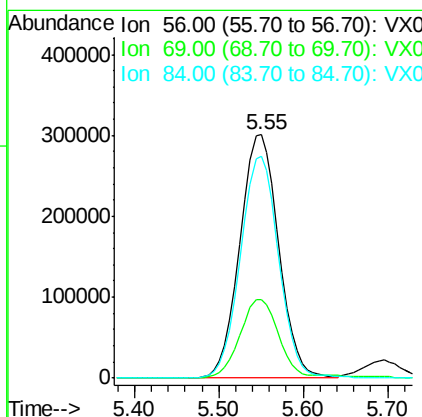
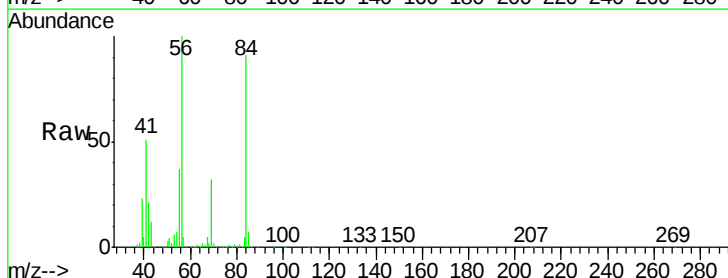
Manual Integrations
APPROVED

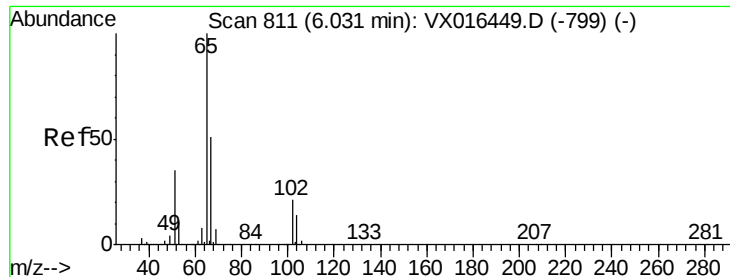
MMDadoda
6/5/2020 10:12:07 AM



#31
Cyclohexane
Concen: 215.135 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Tgt Ion	56	Resp	940734
Ion Ratio	56	100	
Lower	69	31.9	25.7
Upper	84	91.5	70.0
			105.0





#33

1,2-Dichloroethane-d4

Concen: 45.559 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016578.D

Acq: 04 Jun 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

SP-UST

Tot Ion: 65 Resp: 143329

Ion Ratio Lower Upper

65 100

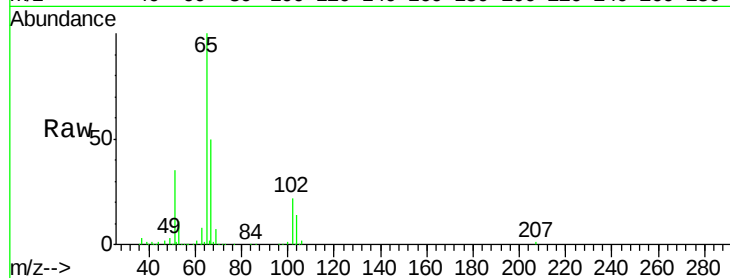
67 52.5 0.0 104.8

Manual Integrations

APPROVED

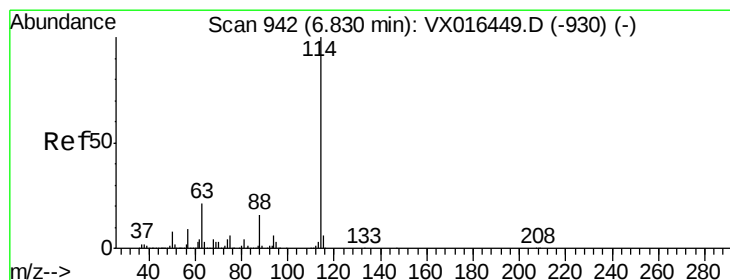
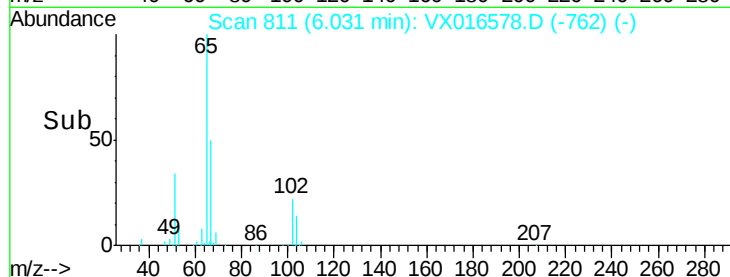
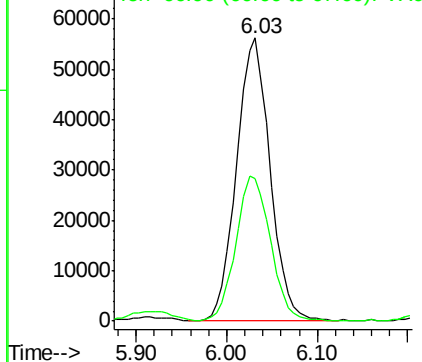
MMDadoda

6/5/2020 10:12:07 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016578.D

Acq: 04 Jun 2020 11:37

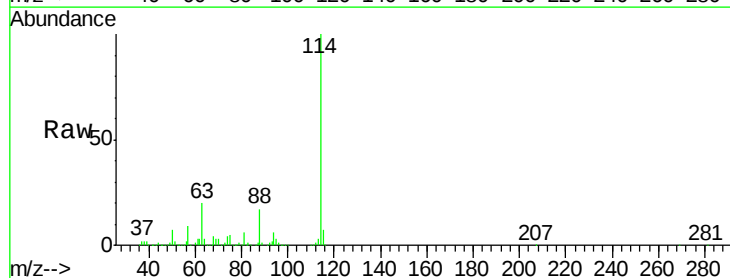
Tgt Ion: 114 Resp: 398772

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

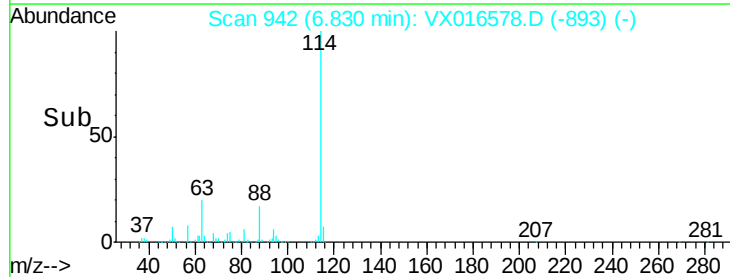
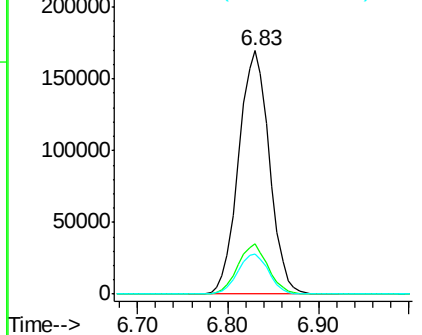
88 16.5 0.0 32.8

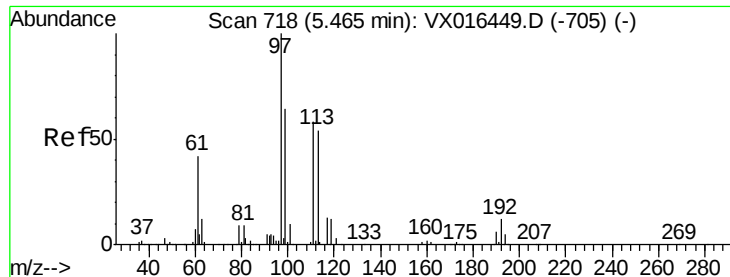


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.589 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016578.D

Acq: 04 Jun 2020 11:37

Instrument :

MSVOA_X

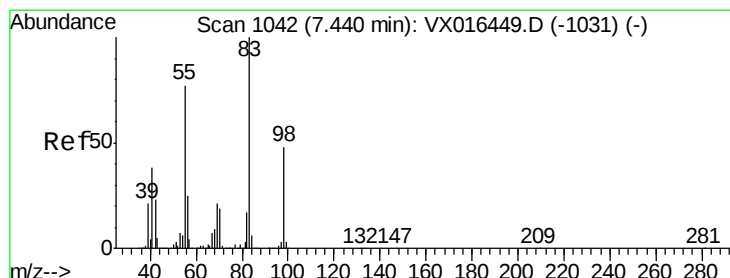
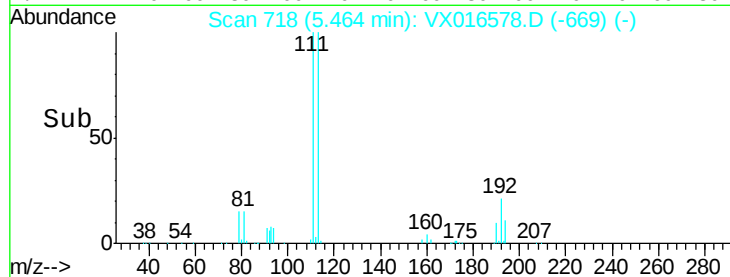
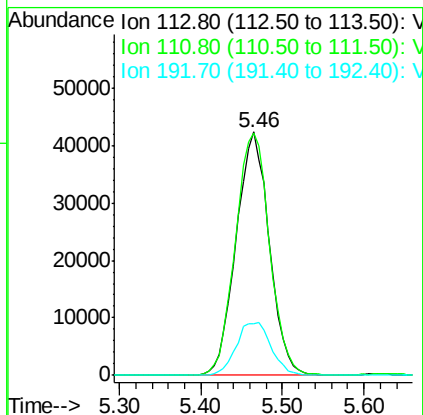
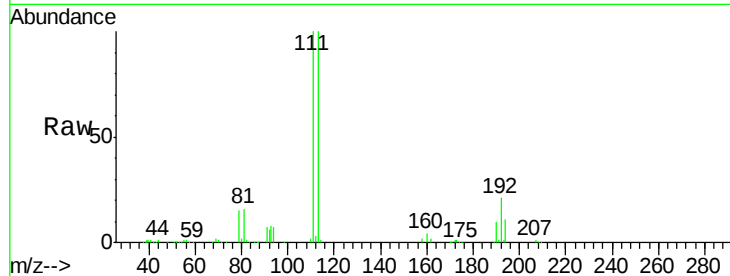
ClientSampled :

SP-UST

Tot Ion:	113	Resp:	119307
Ion Ratio	Lower	Upper	
113	100		
111	102.8	83.0	124.6
192	22.9	17.7	26.5

Manual Integrations
APPROVED

MMDadoda
6/5/2020 10:12:07 AM



#39

Methylcyclohexane

Concen: 300.570 ug/l

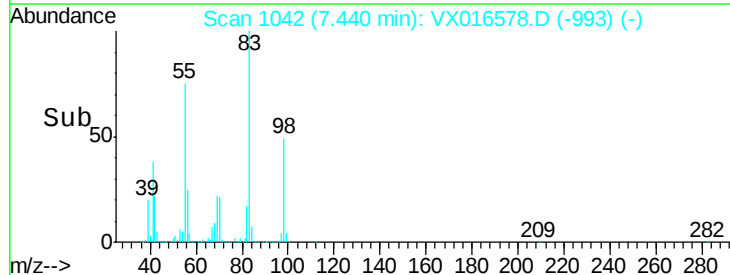
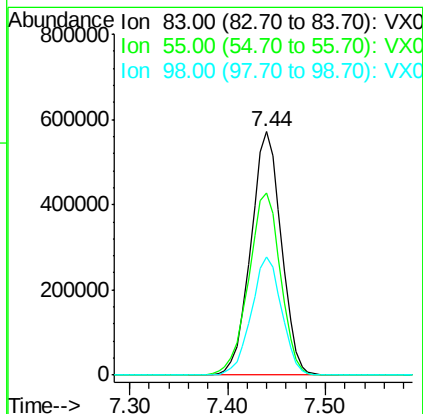
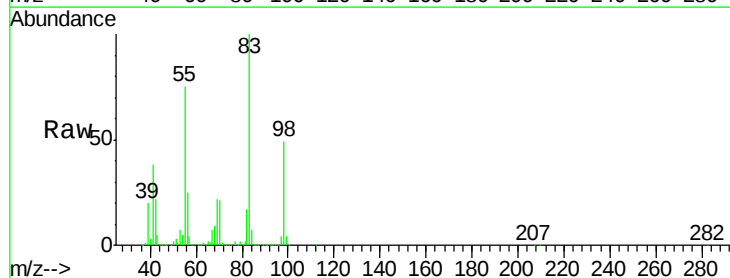
RT: 7.44 min Scan# 1042

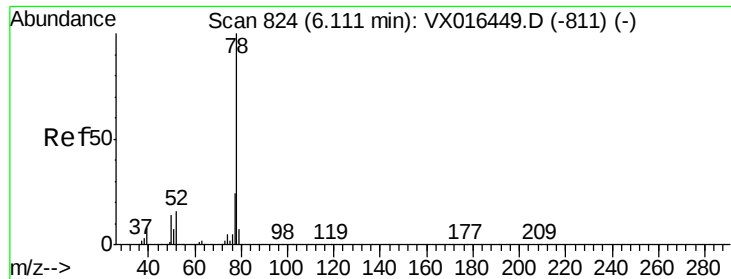
Delta R.T. -0.00 min

Lab File: VX016578.D

Acq: 04 Jun 2020 11:37

Tgt Ion:	83	Resp:	1232621
Ion Ratio	Lower	Upper	
83	100		
55	74.7	61.7	92.5
98	48.7	38.7	58.1





#40

Benzene

Concen: 11.379 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX016578.D

Acq: 04 Jun 2020 11:37

Instrument :

MSVOA_X

ClientSampled :

SP-UST

Tot Ion: 78 Resp: 127943

Ion Ratio Lower Upper

78 100

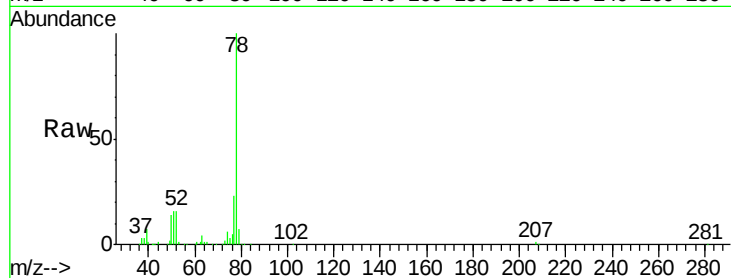
77 22.8 18.9 28.3

Manual Integrations

APPROVED

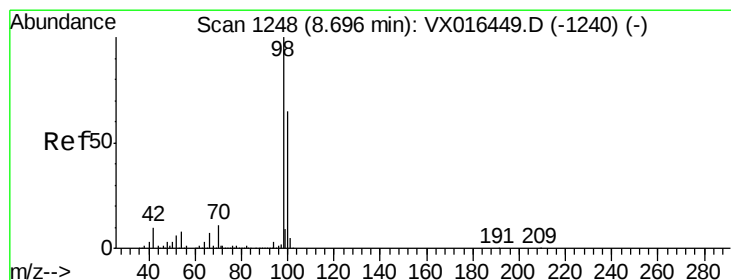
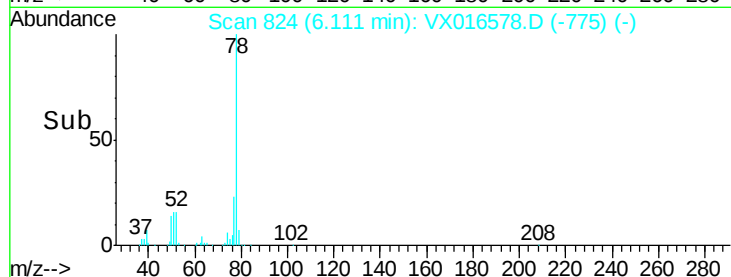
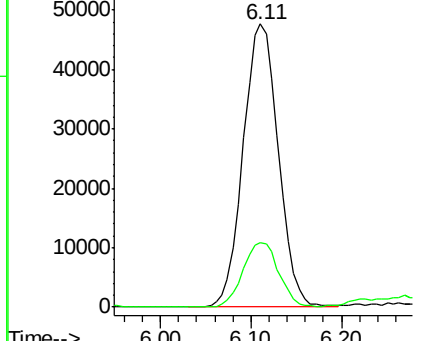
MMDadoda

6/5/2020 10:12:07 AM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 52.327 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016578.D

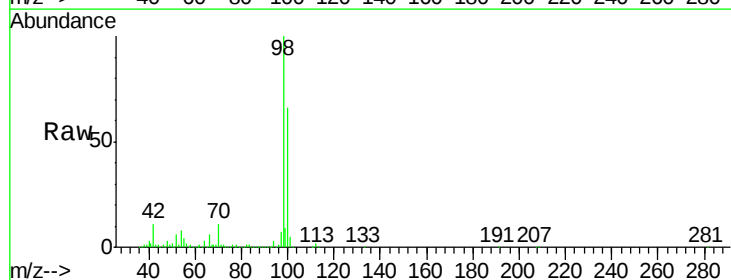
Acq: 04 Jun 2020 11:37

Tgt Ion: 98 Resp: 500095

Ion Ratio Lower Upper

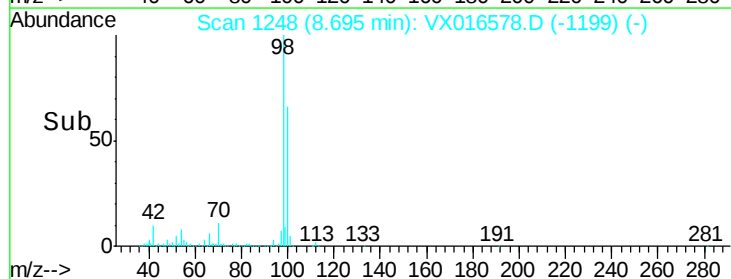
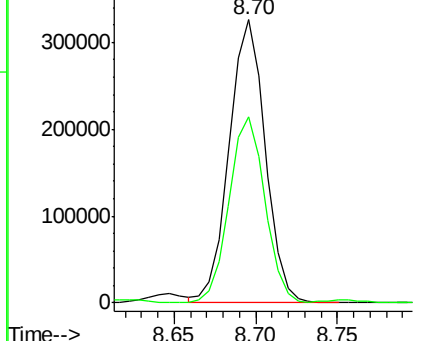
98 100

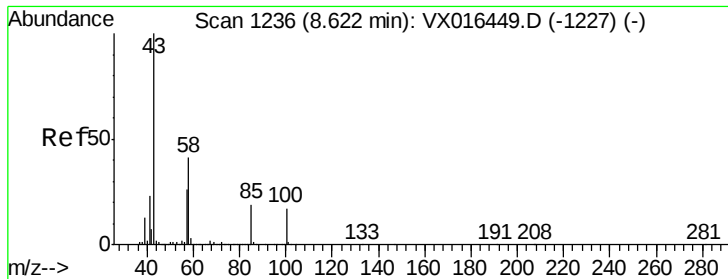
100 65.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 8.683 ug/l m

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016578.D

Acq: 04 Jun 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

SP-UST

Tot Ion: 43 Resp: 38226

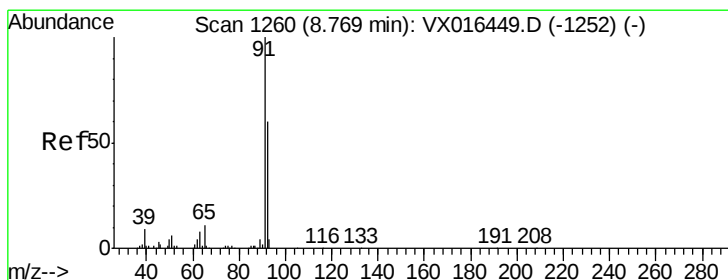
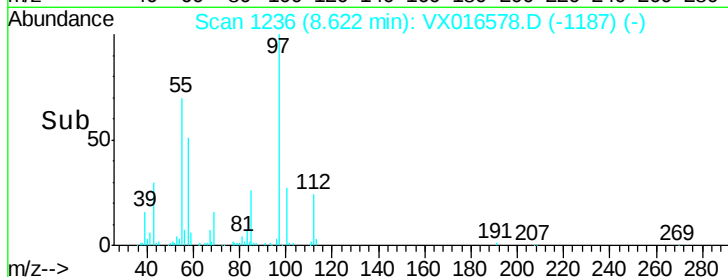
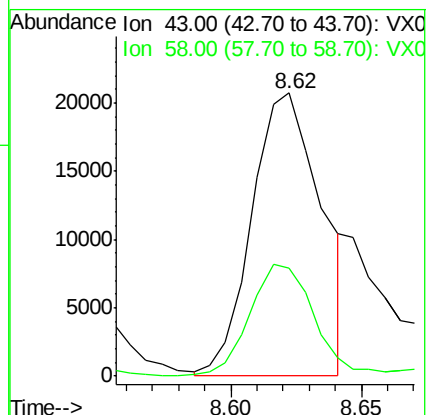
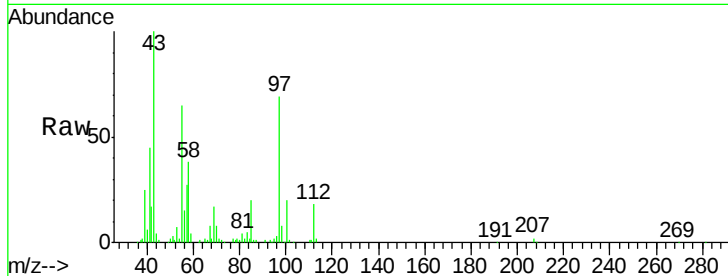
Ion Ratio Lower Upper

43 100

58 35.8 33.0 49.6

Manual Integrations
APPROVED

MMDadoda
6/5/2020 10:12:07 AM



#52

Toluene

Concen: 11.543 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016578.D

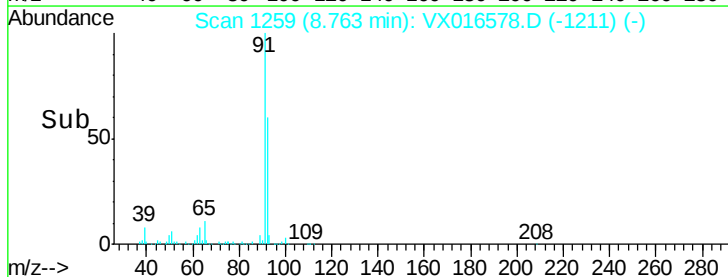
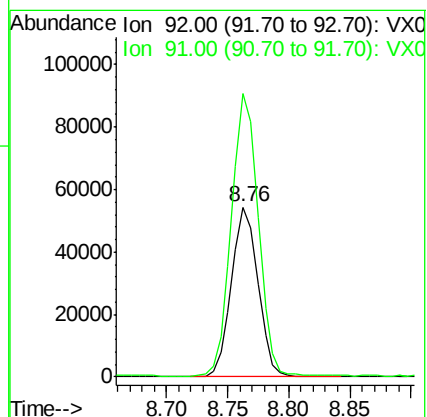
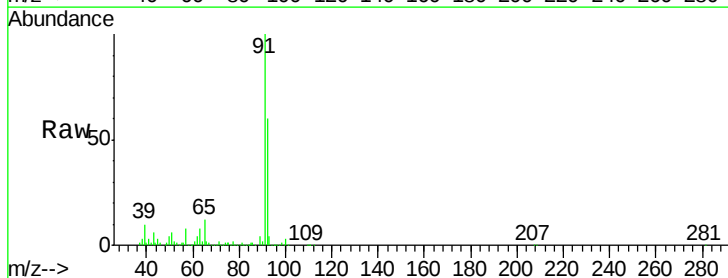
Acq: 04 Jun 2020 11:37

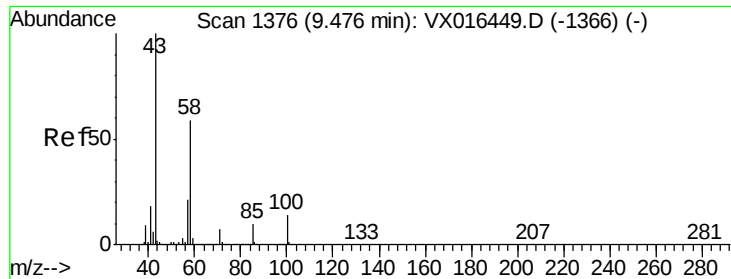
Tgt Ion: 92 Resp: 81844

Ion Ratio Lower Upper

92 100

91 168.0 135.0 202.4





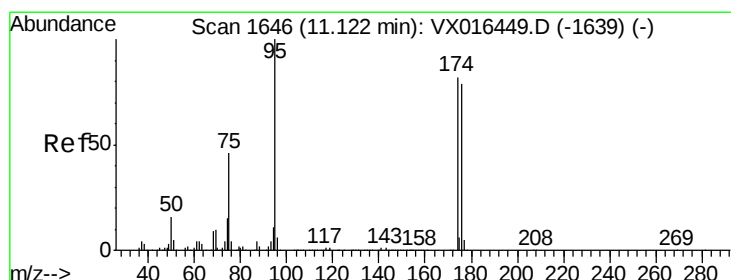
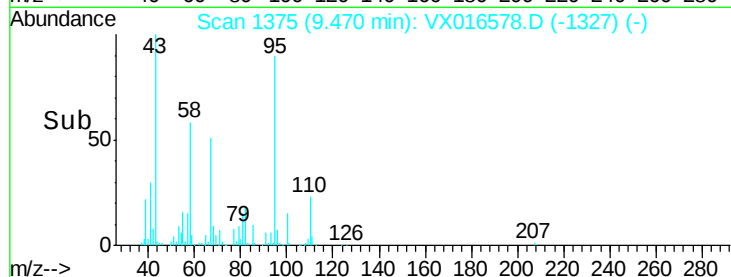
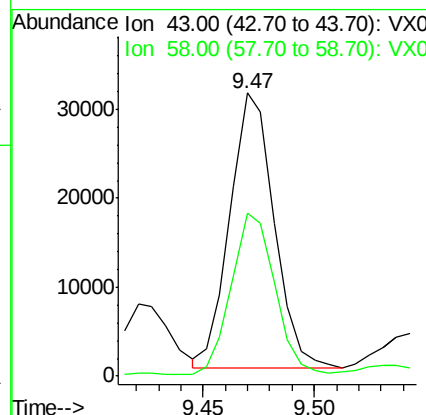
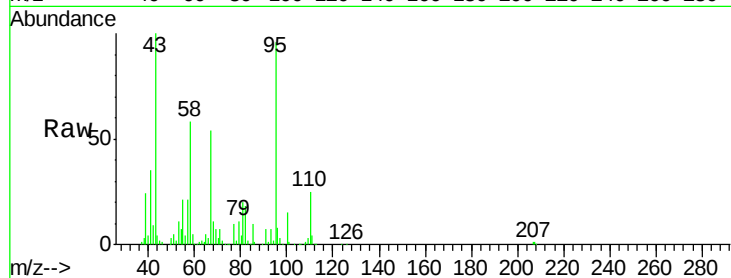
#59
2-Hexanone
Concen: 12.448 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
SP-UST

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.3	28.8	86.4

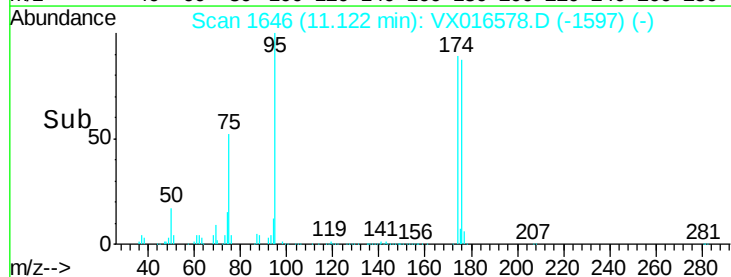
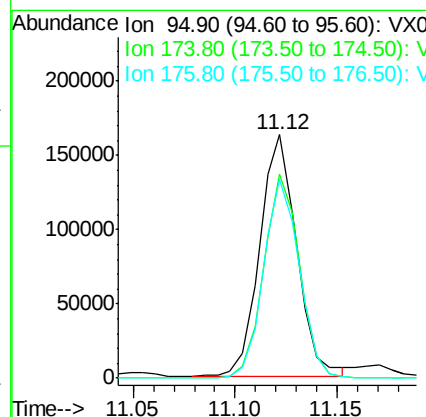
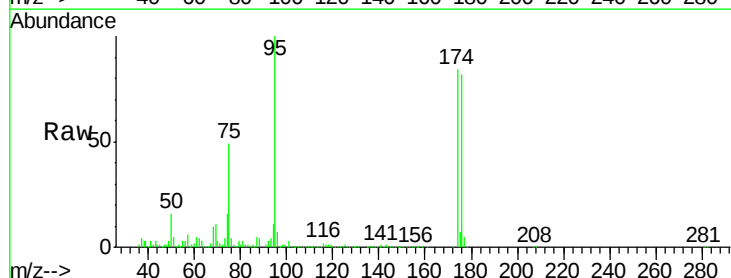
Manual Integrations
APPROVED

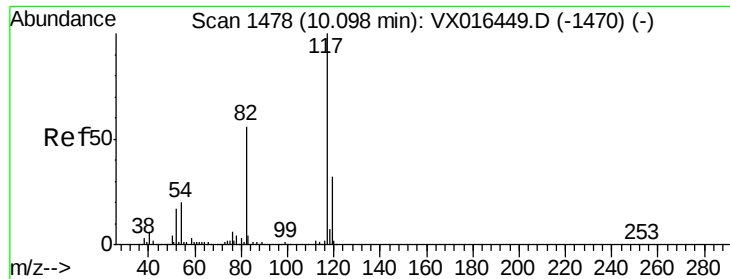
MMDadoda
6/5/2020 10:12:07 AM



#62
4-Bromofluorobenzene
Concen: 55.322 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	163.0
176	80.1	0.0	156.8





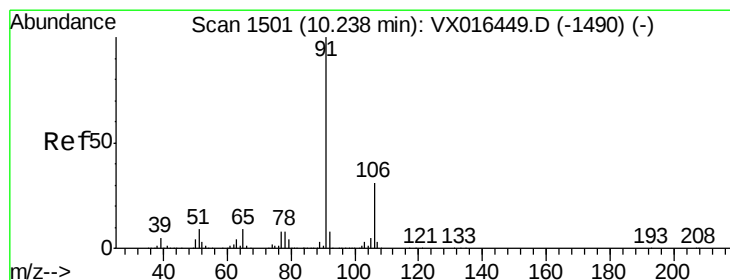
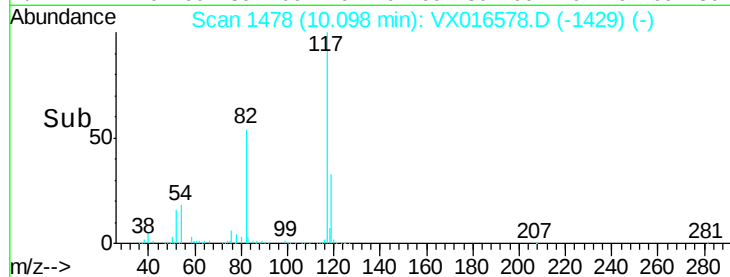
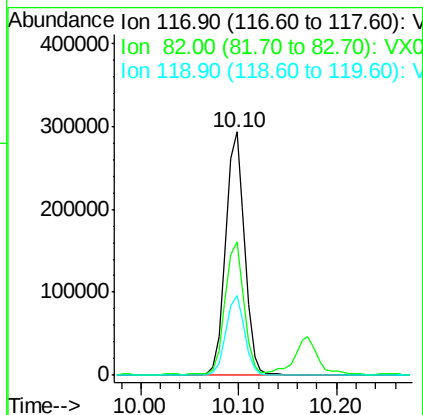
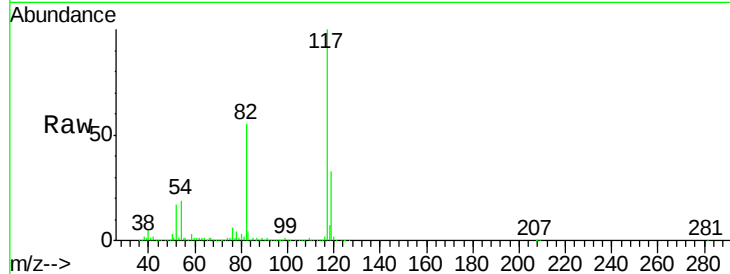
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
SP-UST

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	45.0	67.6
119	32.6	25.8	38.8

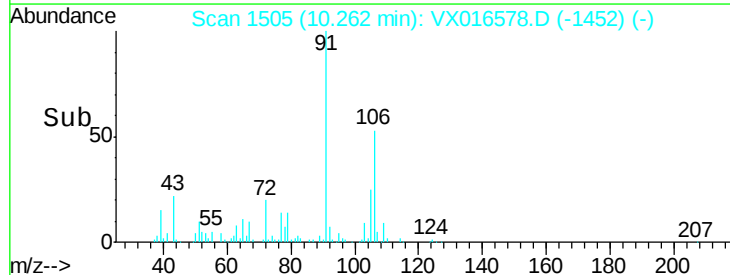
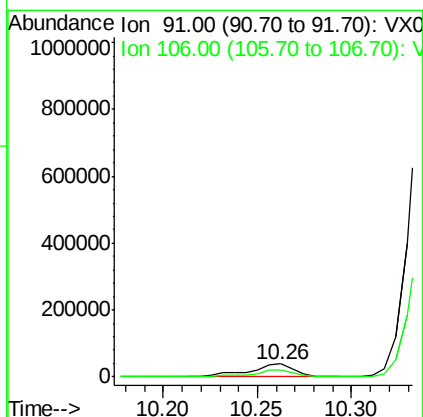
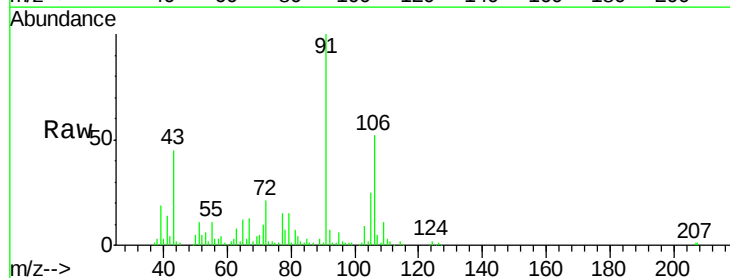
Manual Integrations
APPROVED

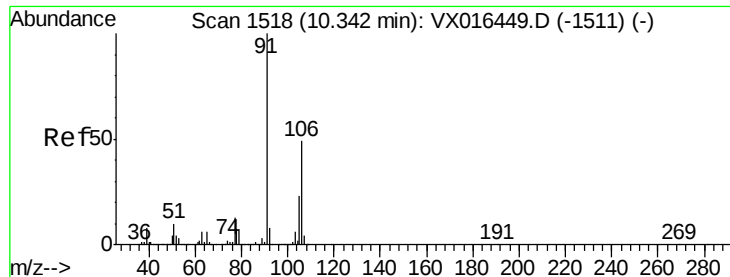
MMDadoda
6/5/2020 10:12:07 AM



#67
Ethyl Benzene
Concen: 4.502 ug/l
RT: 10.26 min Scan# 1505
Delta R.T. 0.02 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	52.8	25.0	37.4





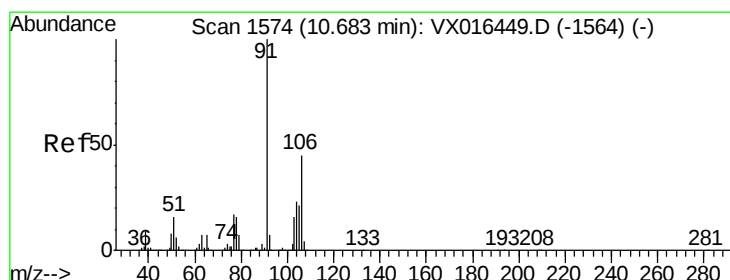
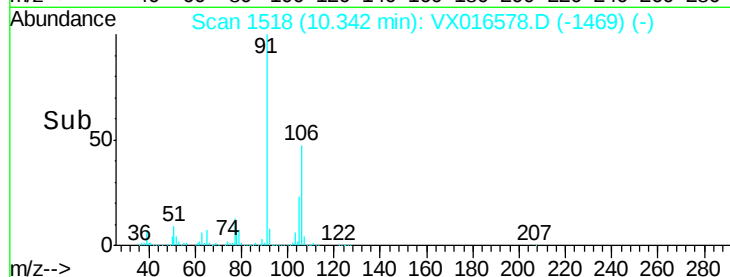
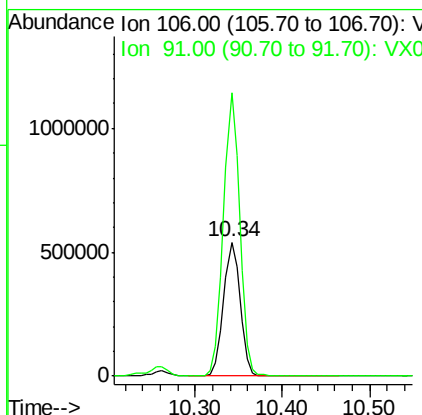
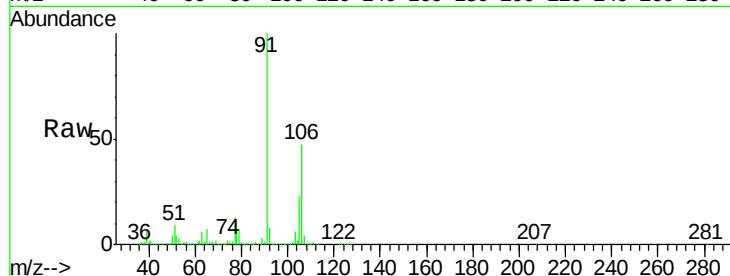
#68
m/p-Xylenes
Concen: 133.986 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
SP-UST

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	207.3	163.8	245.8		

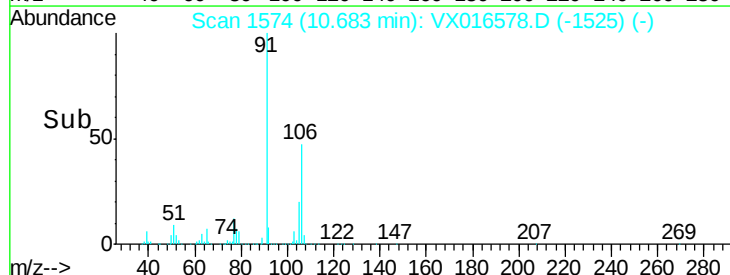
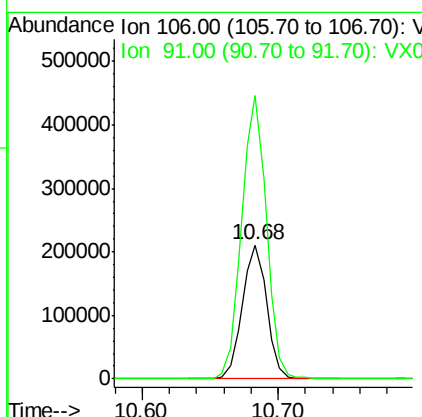
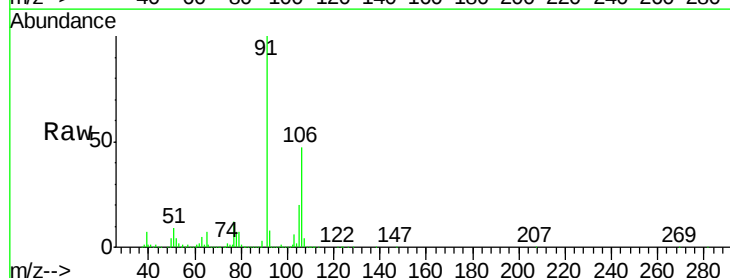
Manual Integrations
APPROVED

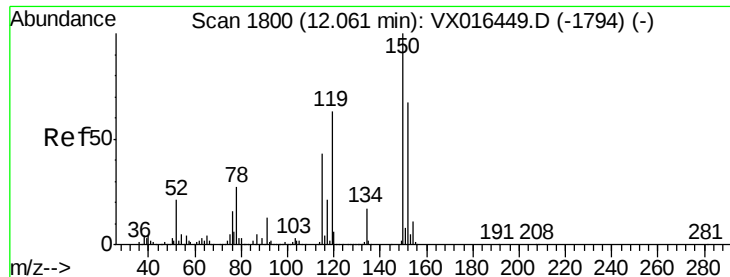
MMDadoda
6/5/2020 10:12:07 AM



#69
o-Xylene
Concen: 51.489 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	215.4	109.6	328.8		





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016578.D

Acq: 04 Jun 2020 11:37

Instrument :

MSVOA_X

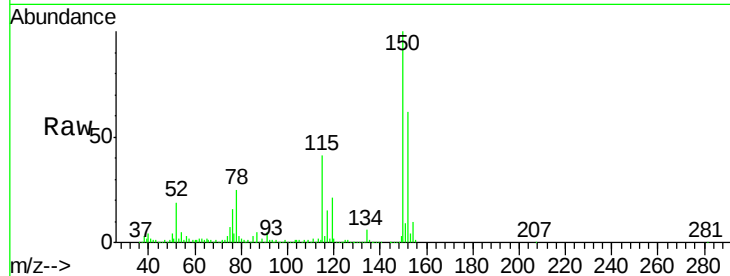
ClientSampleId :

SP-UST

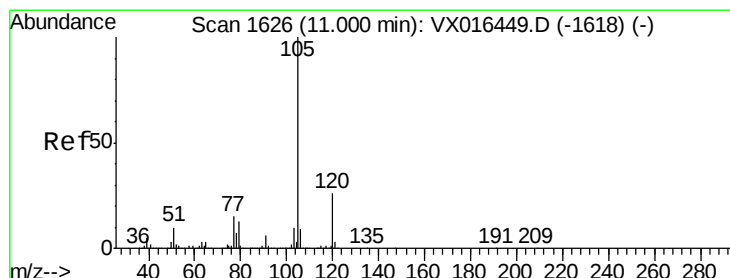
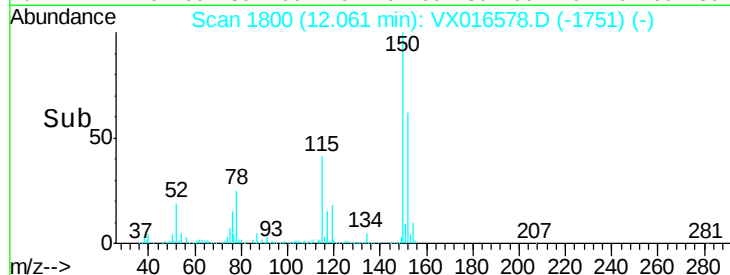
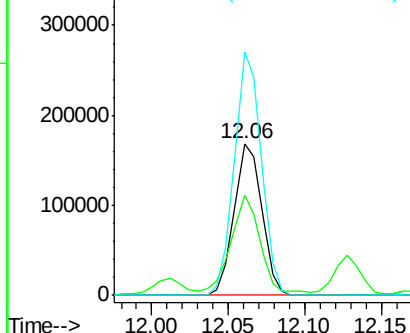
Tot Ion:	152	Resp:	212021
Ion Ratio	Lower	Upper	
152	100		
115	69.9	39.9	119.6
150	157.2	0.0	341.0

Manual Integrations
APPROVED

MMDadoda
6/5/2020 10:12:07 AM



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: 1.998 ug/l

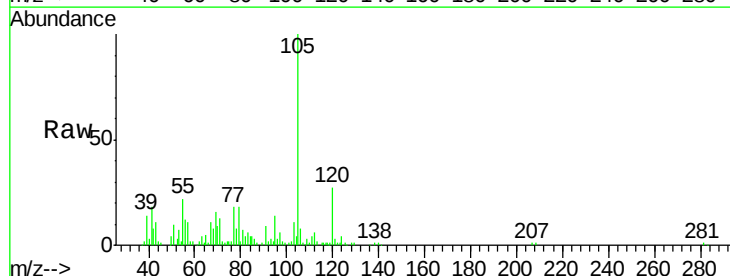
RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

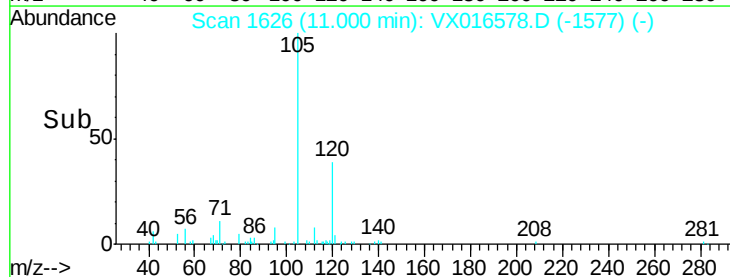
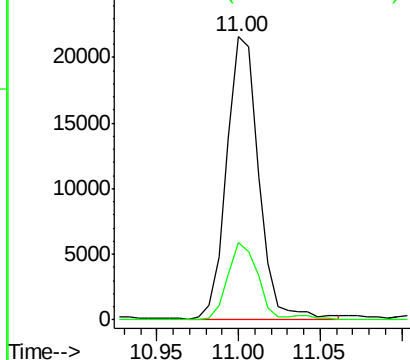
Lab File: VX016578.D

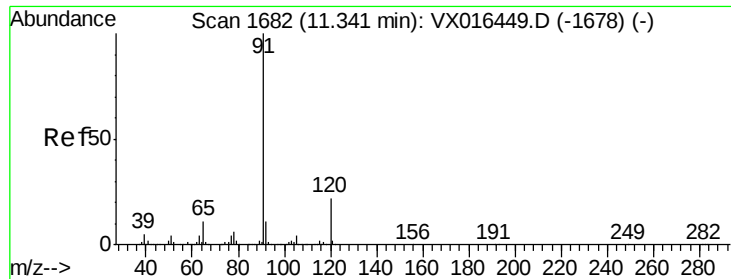
Acq: 04 Jun 2020 11:37

Tgt Ion:	105	Resp:	29348
Ion Ratio	Lower	Upper	
105	100		
120	25.5	13.1	39.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.443 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016578.D

Acq: 04 Jun 2020 11:37

Instrument :

MSVOA_X

ClientSampleId :

SP-UST

Tot Ion: 91 Resp: 23685

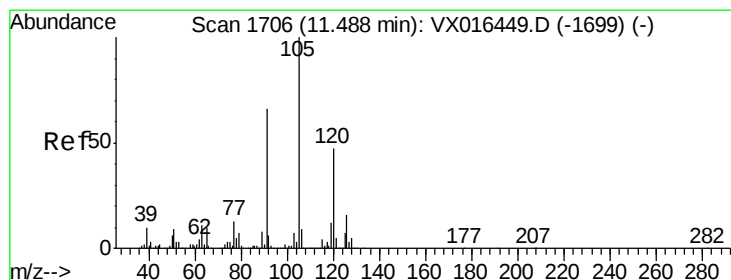
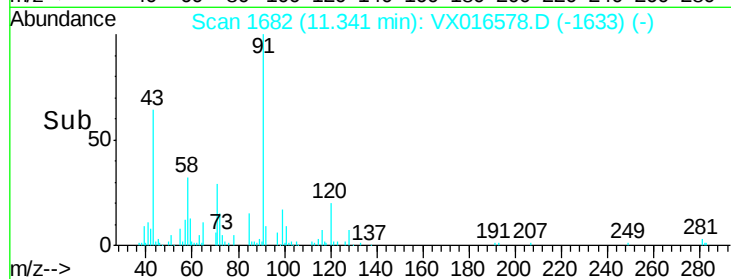
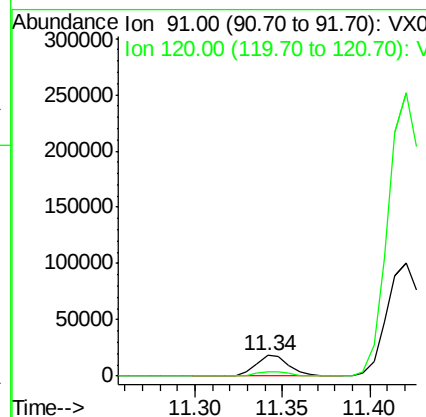
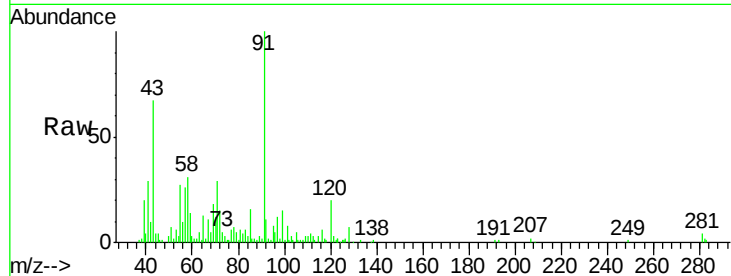
Ion Ratio Lower Upper

91 100

120 0.0 11.6 34.7#

Manual Integrations
APPROVED

MMDadoda
6/5/2020 10:12:07 AM



#80

1,3,5-Trimethylbenzene

Concen: 80.736 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016578.D

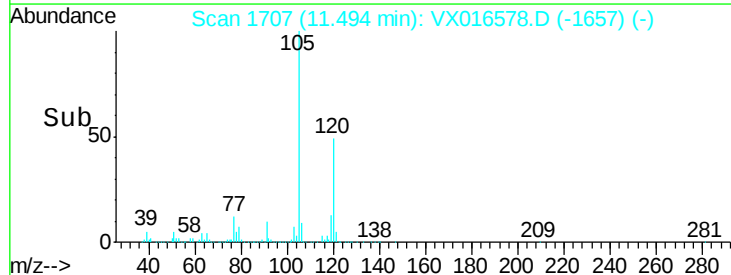
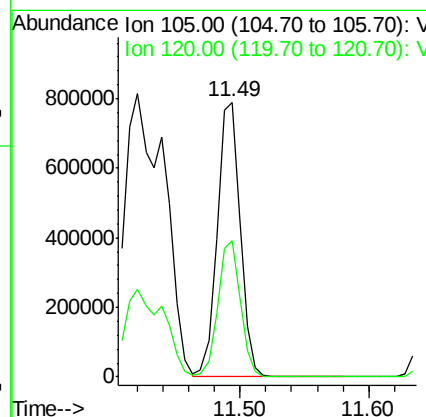
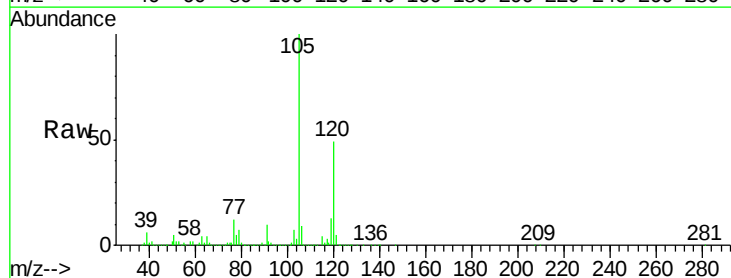
Acq: 04 Jun 2020 11:37

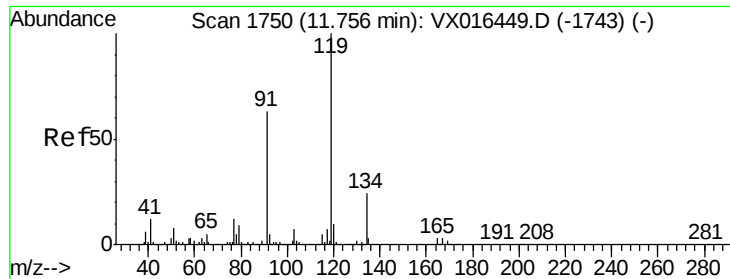
Tgt Ion: 105 Resp: 990341

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





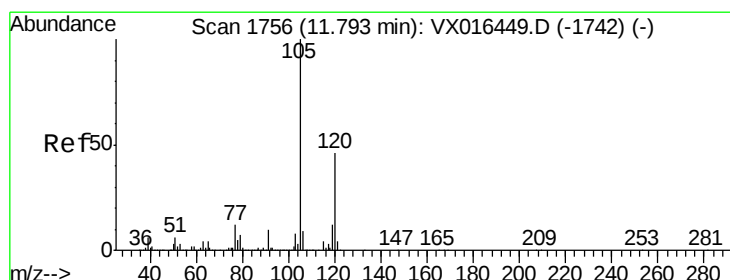
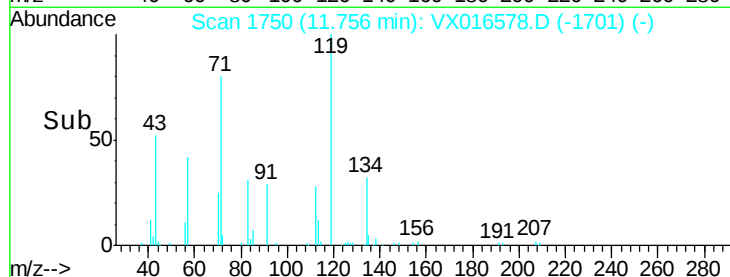
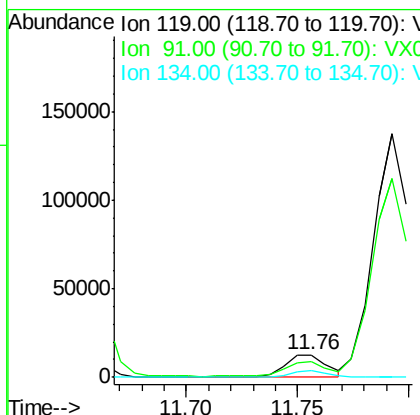
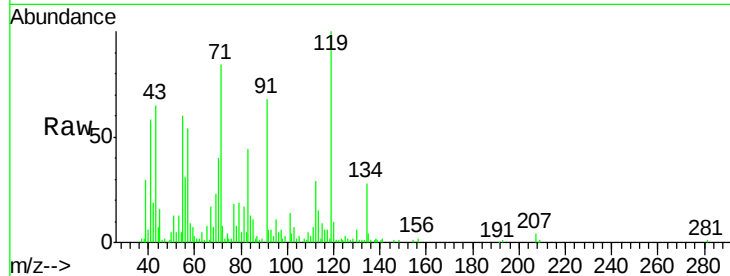
#83
tert-Butylbenzene
Concen: 1.537 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
SP-UST

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	31.3	93.8
134	28.1	12.0	36.0

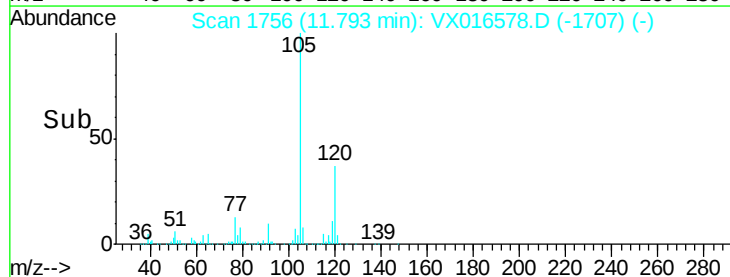
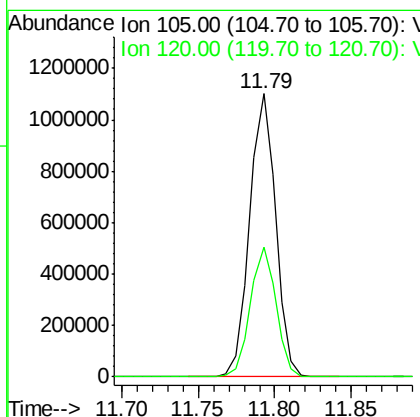
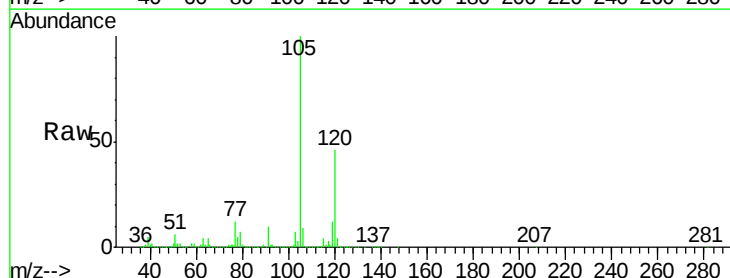
Manual Integrations
APPROVED

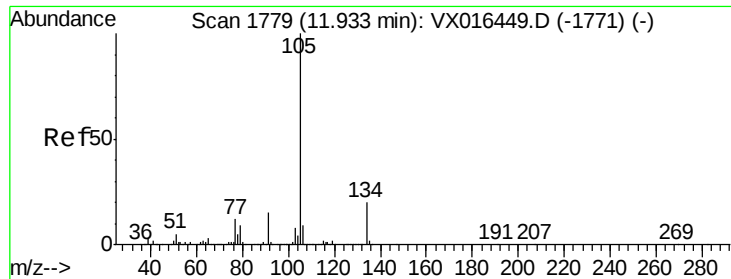
MMDadoda
6/5/2020 10:12:07 AM



#84
1,2,4-Trimethylbenzene
Concen: 104.797 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.7





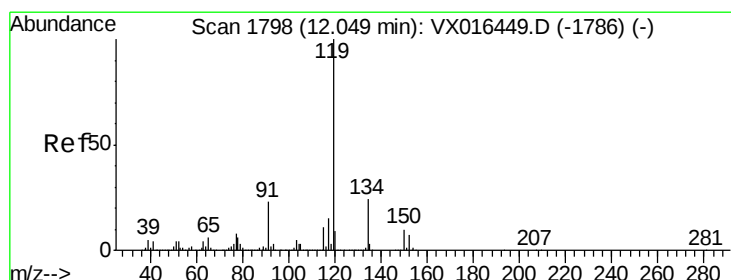
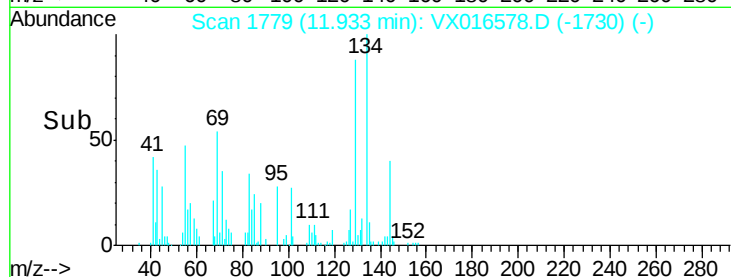
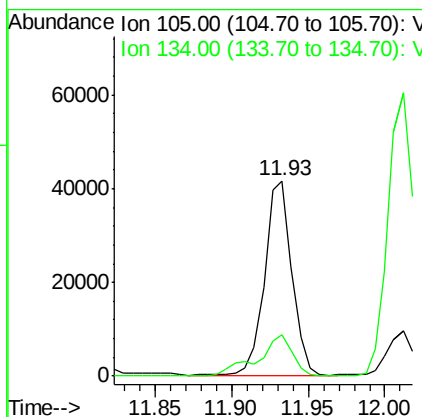
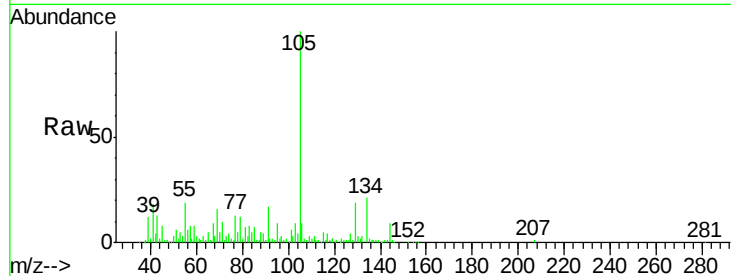
#85
 sec-Butylbenzene
 Concen: 3.939 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016578.D
 Acq: 04 Jun 2020 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-UST

Tot Ion	Ratio	Lower	Upper
105	100		
134	27.5	10.1	30.3

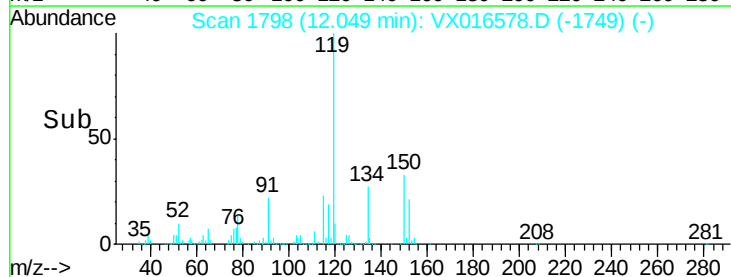
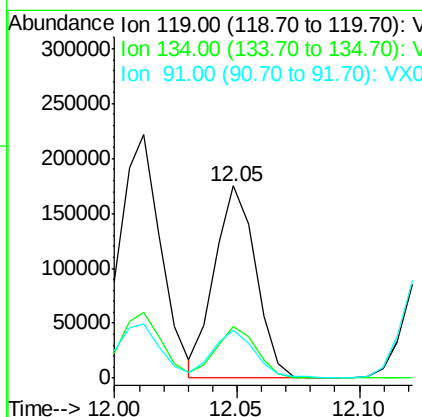
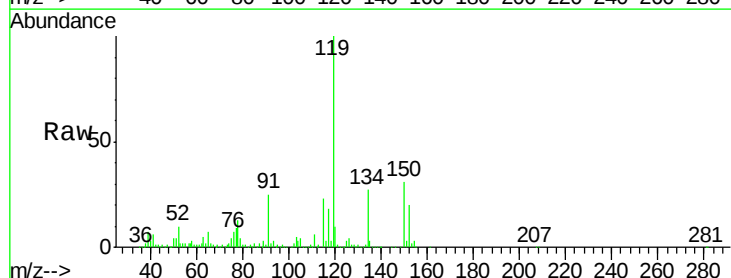
Manual Integrations
 APPROVED

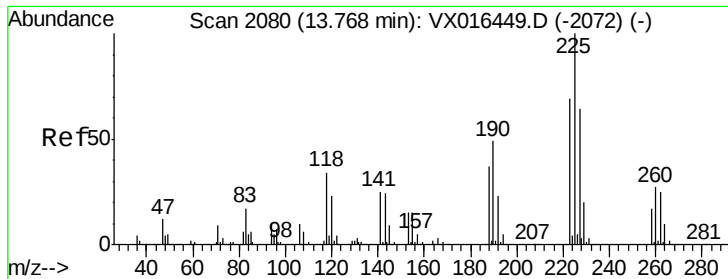
MMDadoda
 6/5/2020 10:12:07 AM



#86
 p-Isopropyltoluene
 Concen: 16.596 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016578.D
 Acq: 04 Jun 2020 11:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	12.7	38.0
91	24.5	11.7	35.0





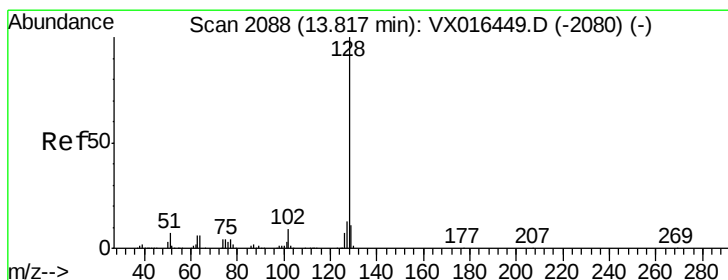
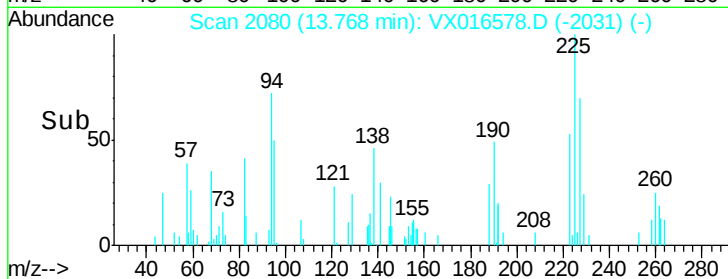
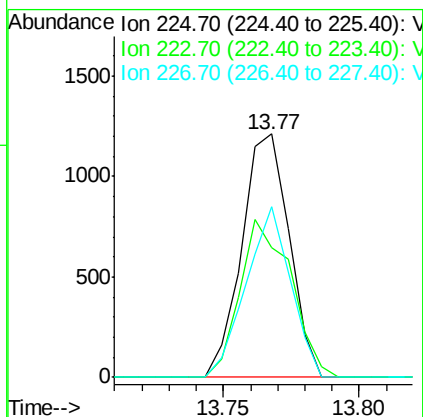
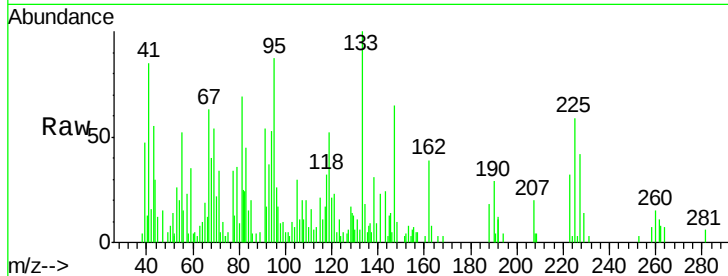
#94
Hexachlorobutadiene
Concen: 0.867 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Instrument :
MSVOA_X
ClientSampleId :
SP-UST

Tot Ion:	225	Resp:	1462
Ion Ratio	Lower	Upper	
225	100		
223	69.6	32.3	96.8
227	65.7	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
6/5/2020 10:12:07 AM



#95
Naphthalene
Concen: 3.119 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016578.D
Acq: 04 Jun 2020 11:37

Tgt Ion:	128	Resp:	45924
Ion Ratio	Lower	Upper	
128	100		
127	16.0	10.6	15.8#
129	18.6	8.6	13.0#

