

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090920\
 Data File : VX018317.D
 Acq On : 09 Sep 2020 13:13
 Operator : JC/SP
 Sample : L3877-03DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1DL

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 4:03:22 PM

Quant Time: Sep 09 17:07:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	435126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	718663	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	669325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	359796	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	317469	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
35) Dibromofluoromethane	5.46	113	242869	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	8.70	98	862349	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.12	95	334367	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
Target Compounds						
					Qvalue	
16) Acetone	2.42	43	9969	4.235	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	8618	1.588	ug/l	92
40) Benzene	6.12	78	4798986	246.389	ug/l	97
43) Isopropyl Acetate	6.42	43	12109m	0.974	ug/l	
44) Trichloroethene	7.19	130	1433	0.260	ug/l	72
52) Toluene	8.77	92	22211	1.798	ug/l	98
67) Ethyl Benzene	10.24	91	1893874	83.308	ug/l	97
68) m/p-Xylenes	10.34	106	540243	63.669	ug/l	100
69) o-Xylene	10.68	106	144621	17.582	ug/l	94
73) Isopropylbenzene	11.00	105	58195	2.452	ug/l	100
78) n-propylbenzene	11.34	91	90259	3.349	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	238649	12.237	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	846910	42.475	ug/l	100
86) p-Isopropyltoluene	12.05	119	10736m	0.534	ug/l	
93) 1,2,4-Trichlorobenzene	13.63	180	1707	0.236	ug/l #	76
95) Naphthalene	13.82	128	14098221	592.531	ug/l #	87

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

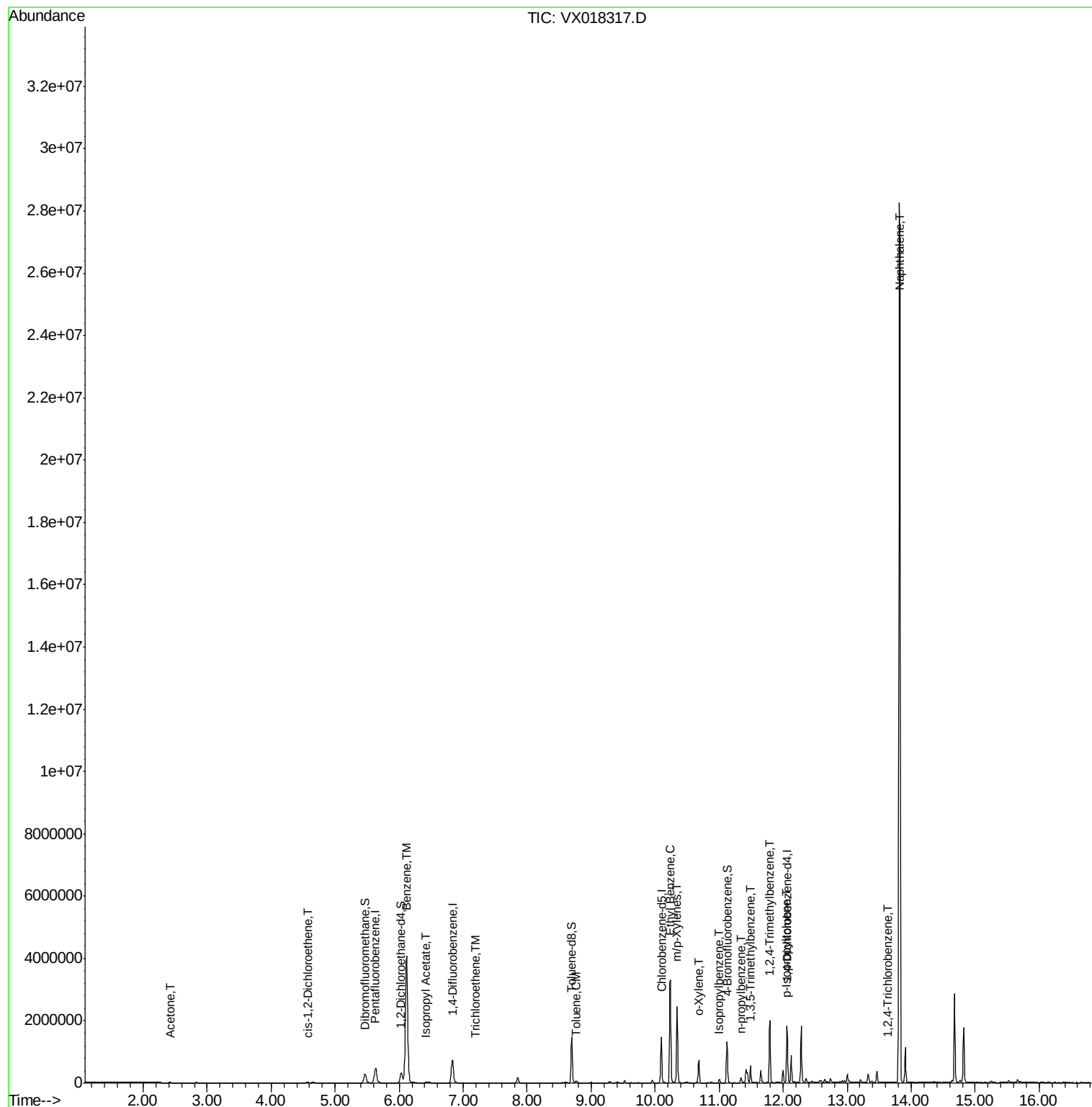
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090920\
Data File : VX018317.D
Acq On : 09 Sep 2020 13:13
Operator : JC/SP
Sample : L3877-03DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

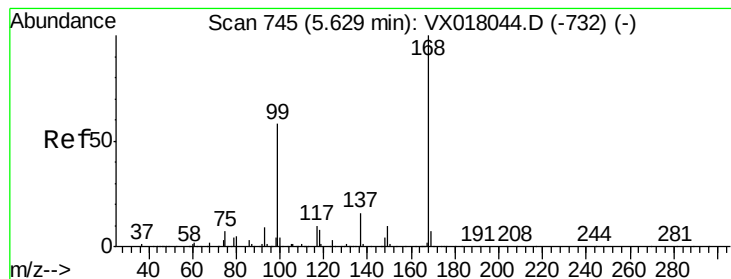
Instrument :
MSVOA_X
ClientSampleId :
TP-1DL

Manual Integrations
APPROVED

MMDadoda
9/10/2020 4:03:22 PM

Quant Time: Sep 09 17:07:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 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: VX018317.D

Acq: 09 Sep 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

TP-1DL

Tot Ion:168 Resp: 435126

Ion Ratio Lower Upper

168 100

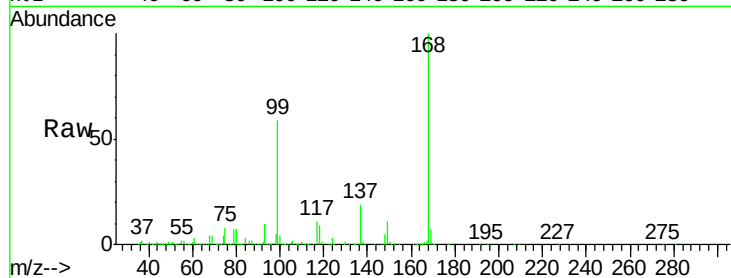
99 59.4 46.3 69.5

Manual Integrations

APPROVED

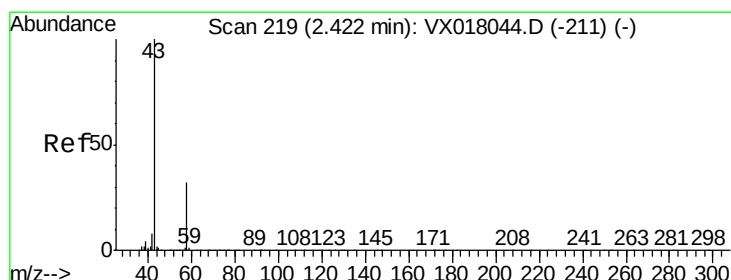
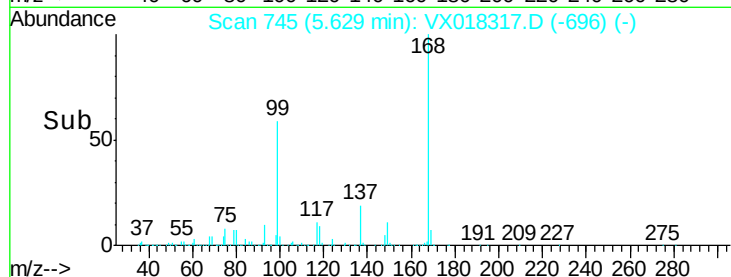
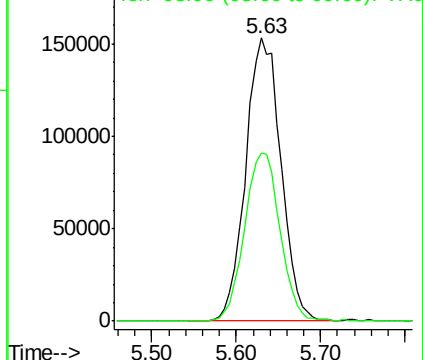
MMDadoda

9/10/2020 4:03:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 4.235 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018317.D

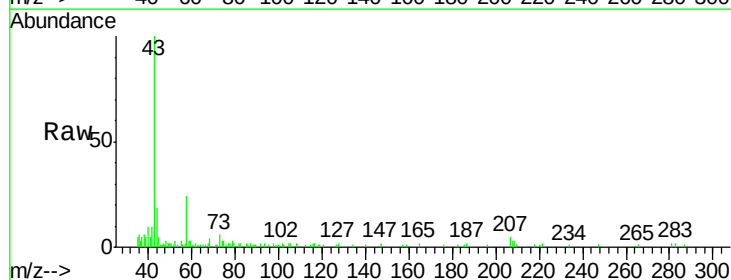
Acq: 09 Sep 2020 13:13

Tgt Ion: 43 Resp: 9969

Ion Ratio Lower Upper

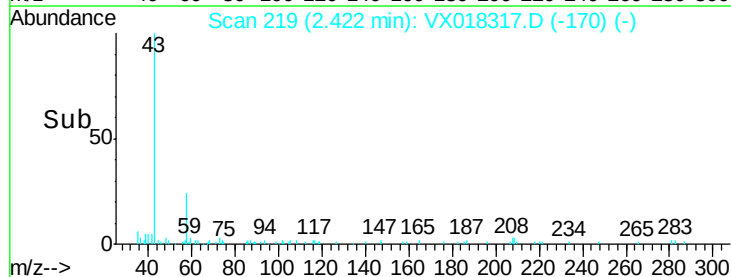
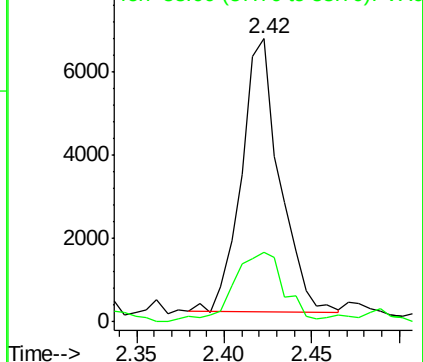
43 100

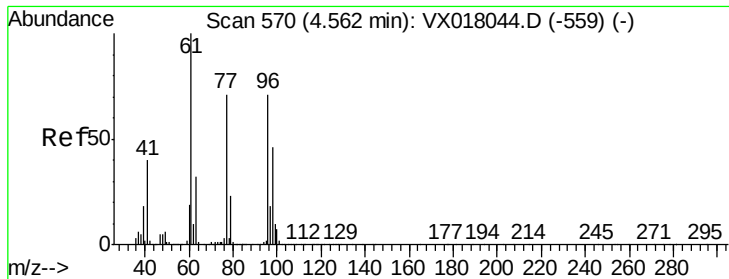
58 23.1 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#27

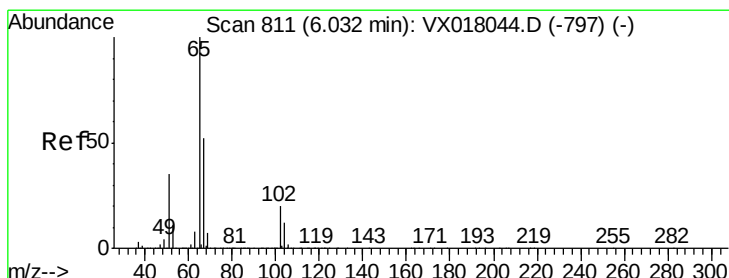
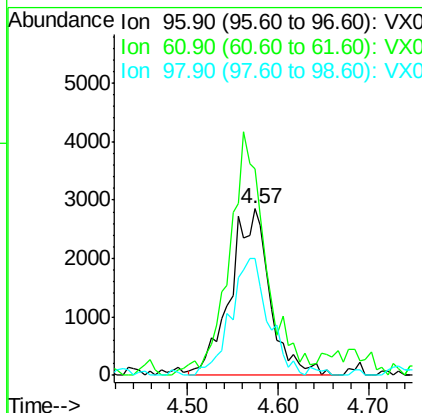
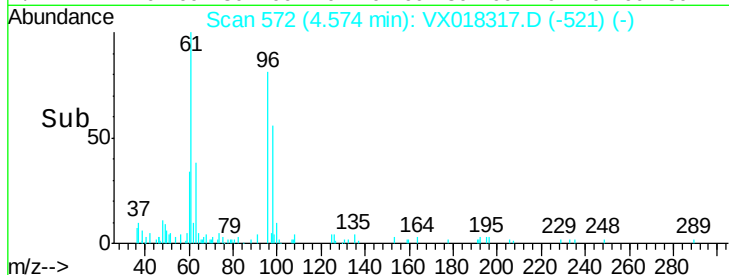
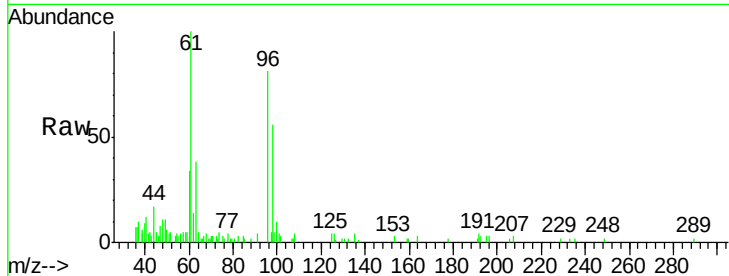
cis-1,2-Dichloroethene
Concen: 1.588 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX018317.D
Acq: 09 Sep 2020 13:13

Instrument :
MSVOA_X
ClientSampled :
TP-1DL

Tot Ion	Ratio	Resp	Lower	Upper
96	100	8618		
61	135.2		0.0	296.6
98	66.2		0.0	130.2

Manual Integrations
APPROVED

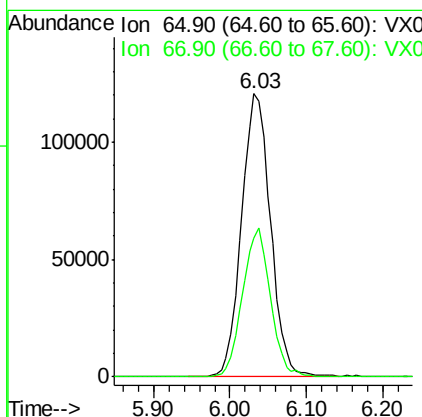
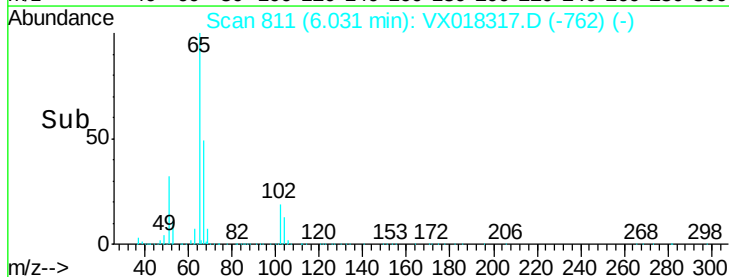
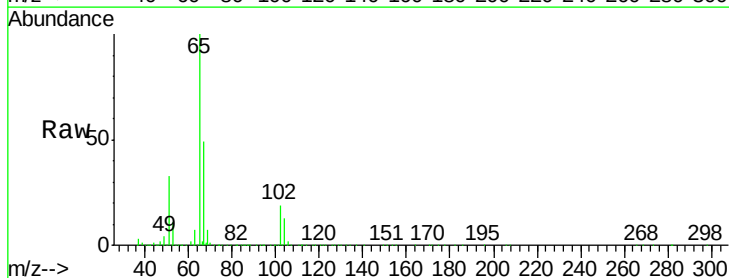
MMDadoda
9/10/2020 4:03:22 PM

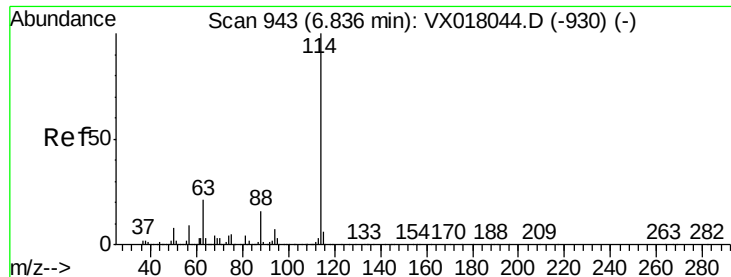


#33

1,2-Dichloroethane-d4
Concen: 52.555 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018317.D
Acq: 09 Sep 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	317469		
67	50.6		0.0	105.8





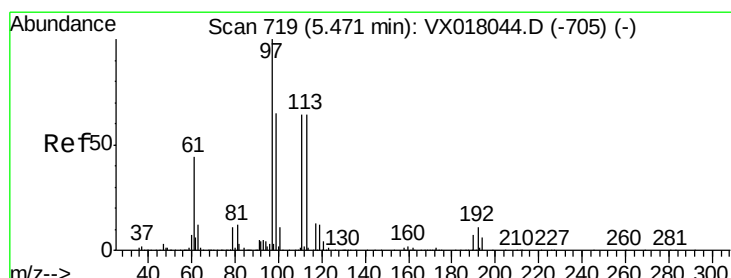
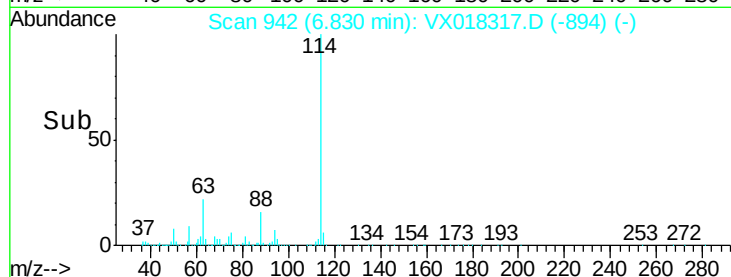
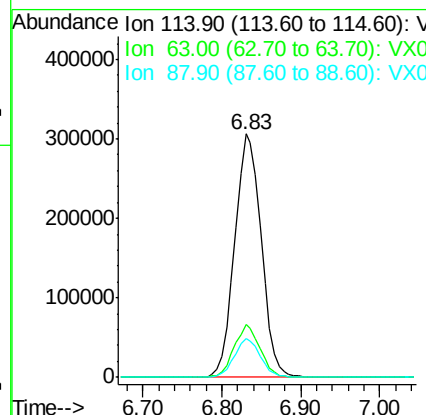
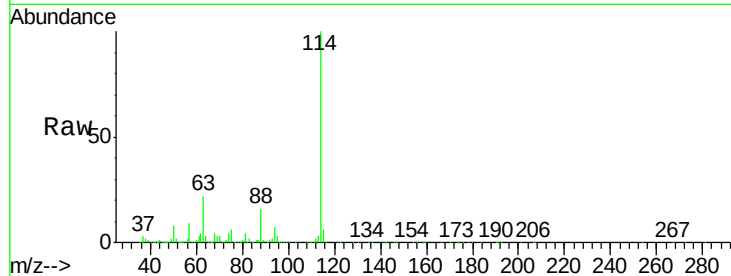
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018317.D
 Acq: 09 Sep 2020 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	718663		
63	21.6		0.0	42.6
88	16.0		0.0	31.8

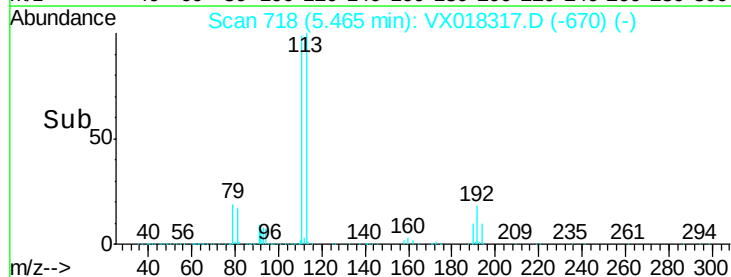
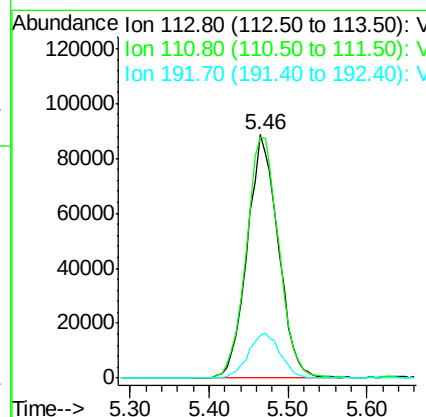
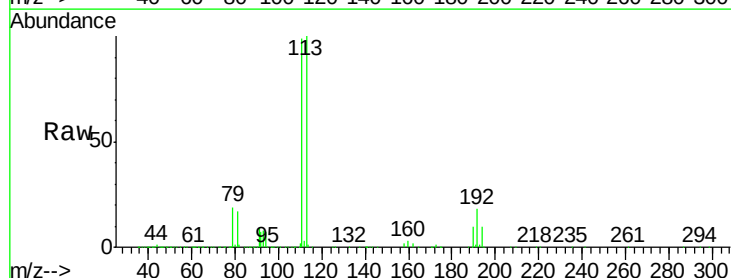
Manual Integrations
 APPROVED

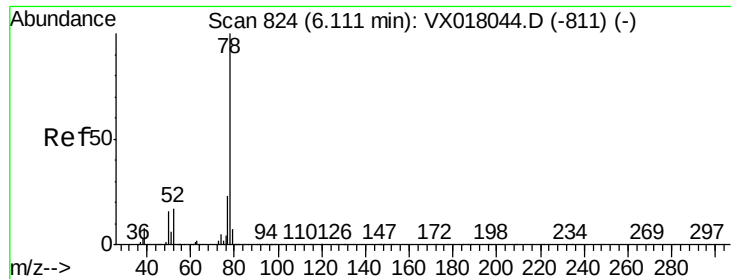
MMDadoda
 9/10/2020 4:03:22 PM



#35
 Dibromofluoromethane
 Concen: 49.621 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018317.D
 Acq: 09 Sep 2020 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	242869		
111	103.5		81.6	122.4
192	19.2		15.8	23.8





#40

Benzene

Concen: 246.389 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018317.D

Acq: 09 Sep 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

TP-1DL

Tot Ion: 78 Resp: 4798986

Ion Ratio Lower Upper

78 100

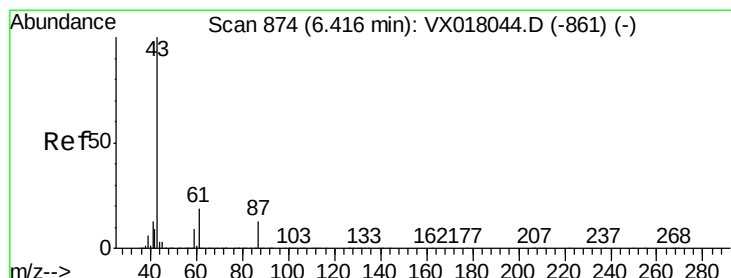
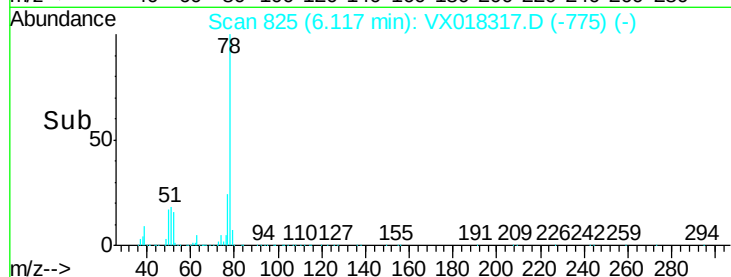
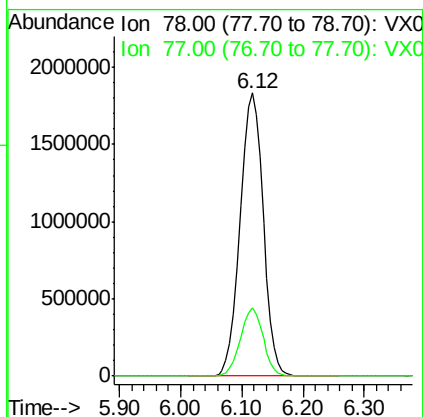
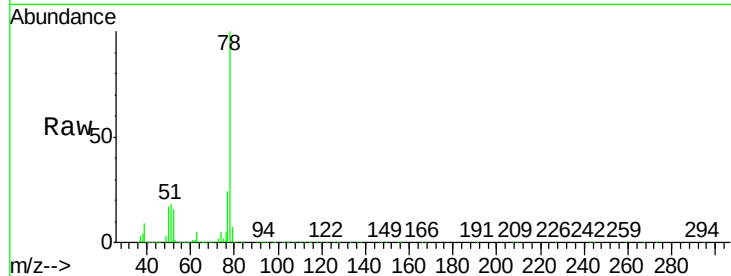
77 24.0 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

9/10/2020 4:03:22 PM



#43

Isopropyl Acetate

Concen: 0.974 ug/l m

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018317.D

Acq: 09 Sep 2020 13:13

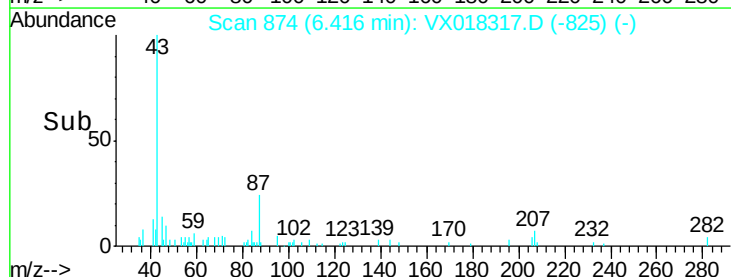
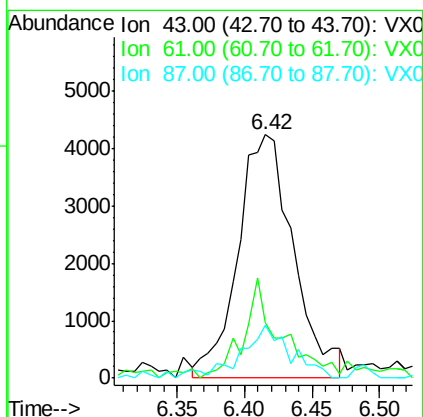
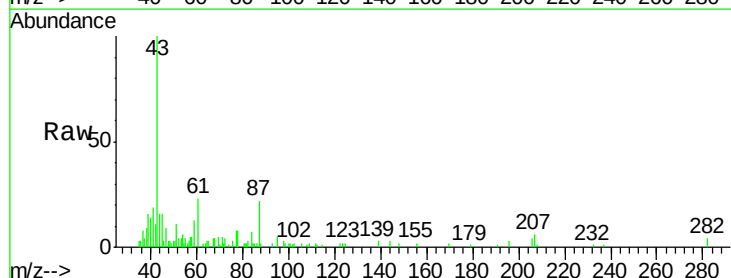
Tgt Ion: 43 Resp: 12109

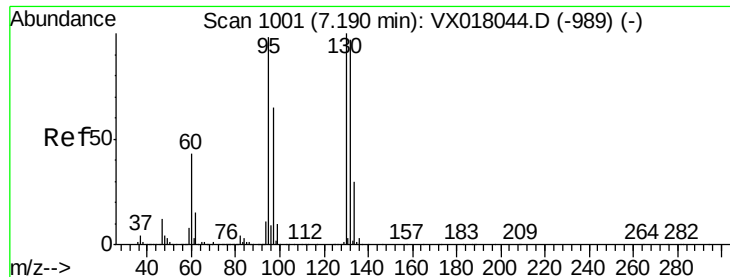
Ion Ratio Lower Upper

43 100

61 0.0 15.7 23.5#

87 0.0 10.3 15.5#





#44

Trichloroethene

Concen: 0.260 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018317.D

Acq: 09 Sep 2020 13:13

Instrument :

MSVOA_X

ClientSampled :

TP-1DL

Tot Ion:130 Resp: 1433

Ion Ratio Lower Upper

130 100

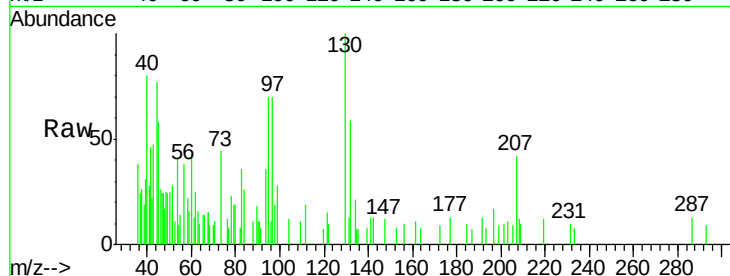
95 70.1 0.0 196.4

Manual Integrations

APPROVED

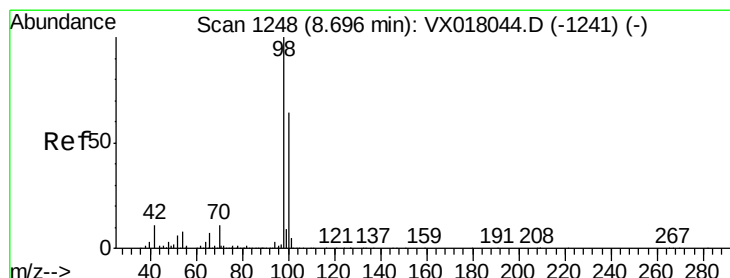
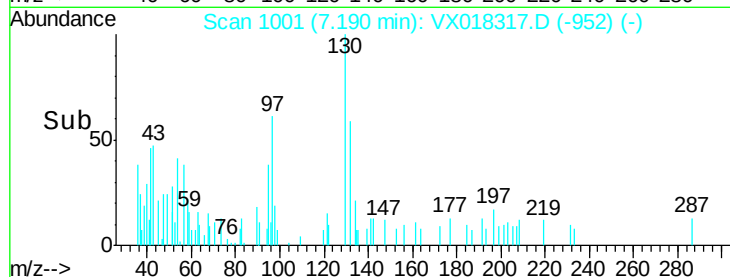
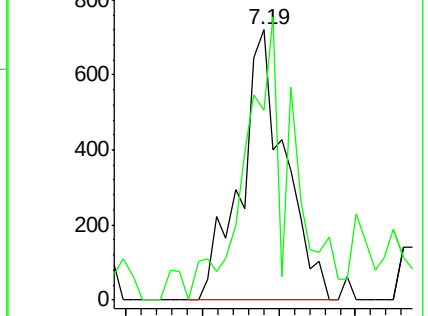
MMDadoda

9/10/2020 4:03:22 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 47.305 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018317.D

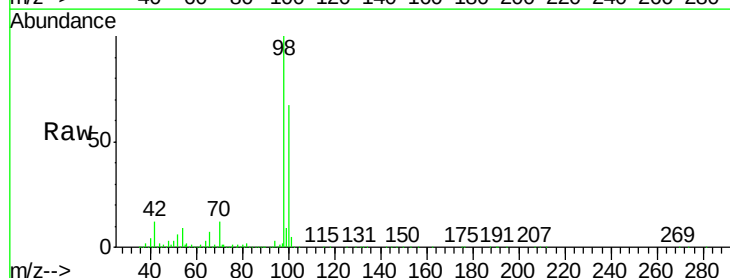
Acq: 09 Sep 2020 13:13

Tgt Ion: 98 Resp: 862349

Ion Ratio Lower Upper

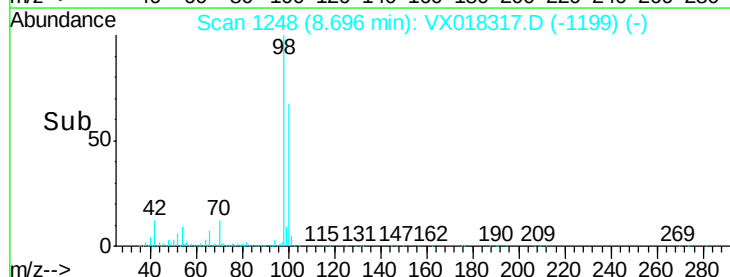
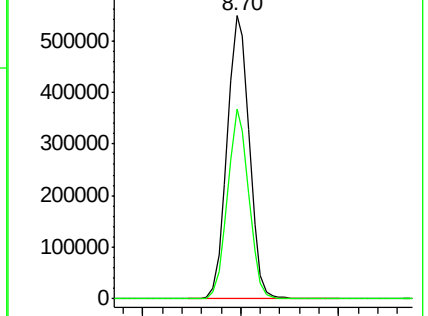
98 100

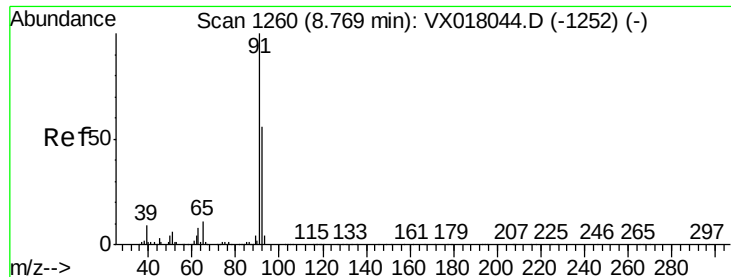
100 64.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 1.798 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018317.D

Acq: 09 Sep 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

TP-1DL

Tot Ion: 92 Resp: 22211

Ion Ratio Lower Upper

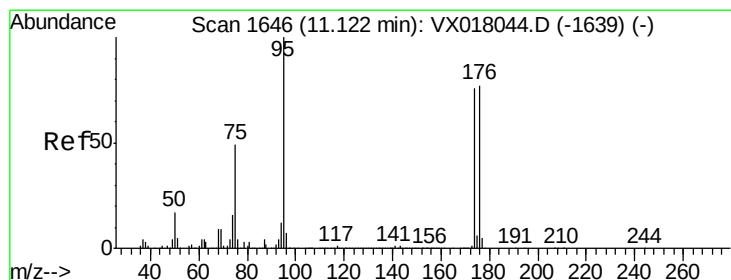
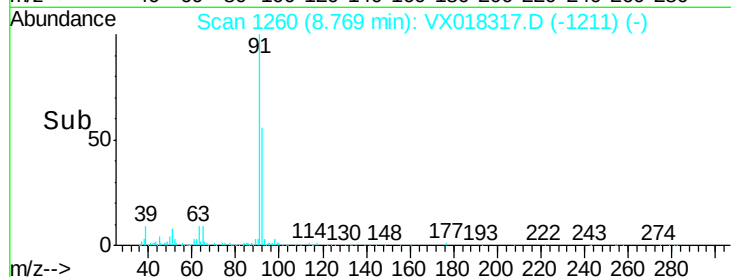
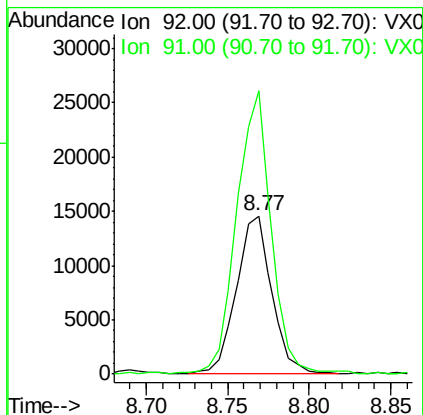
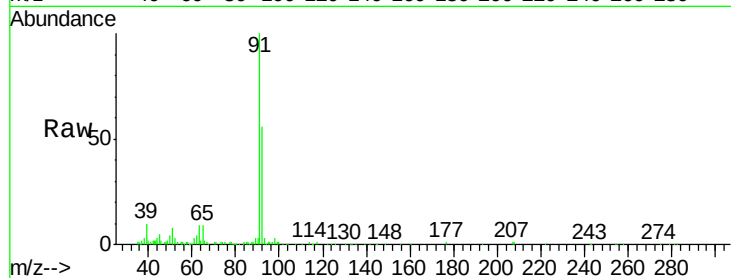
92 100

91 173.1 140.3 210.5

Manual Integrations
APPROVED

MMDadoda

9/10/2020 4:03:22 PM



#62

4-Bromofluorobenzene

Concen: 46.619 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018317.D

Acq: 09 Sep 2020 13:13

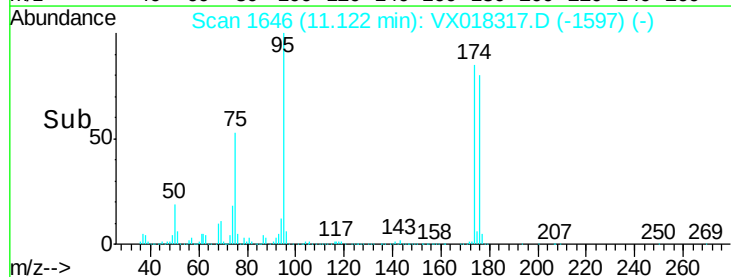
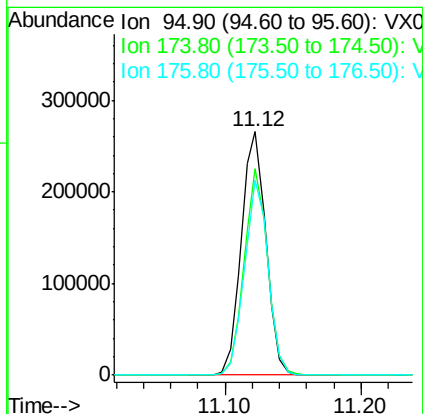
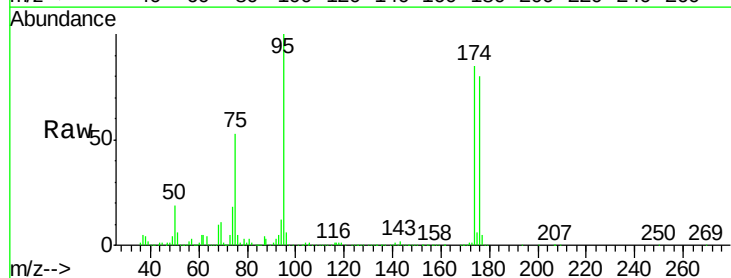
Tgt Ion: 95 Resp: 334367

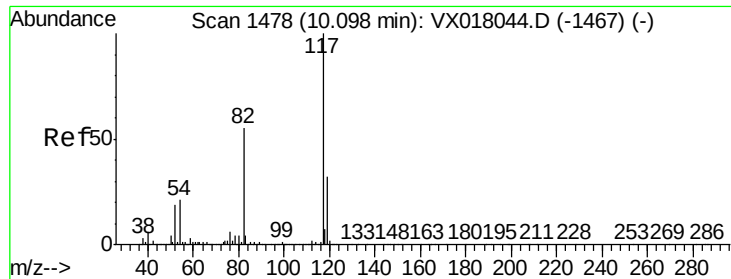
Ion Ratio Lower Upper

95 100

174 80.9 0.0 160.2

176 77.4 0.0 155.8





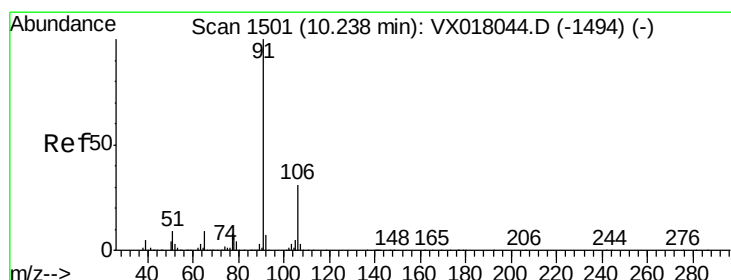
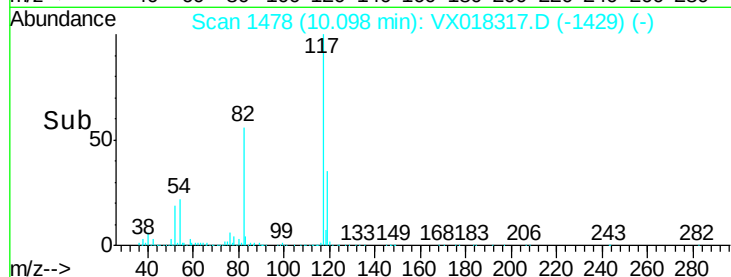
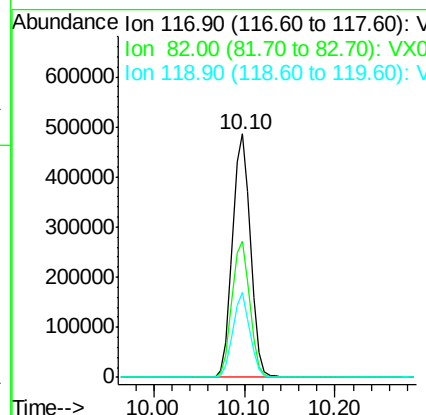
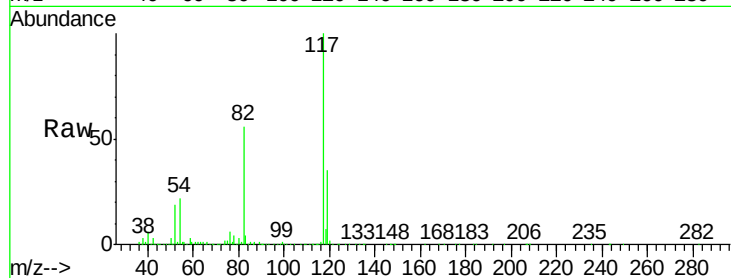
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018317.D
Acq: 09 Sep 2020 13:13

Instrument :
MSVOA_X
ClientSampleId :
TP-1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.2	66.2
119	34.9	25.7	38.5

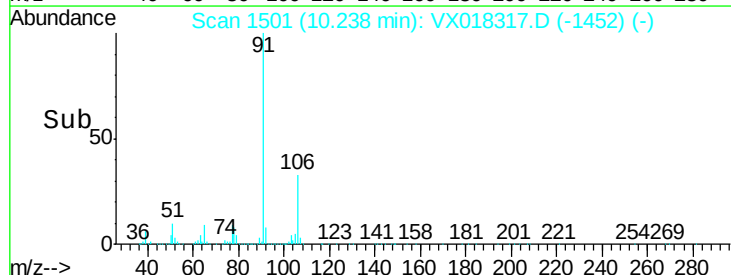
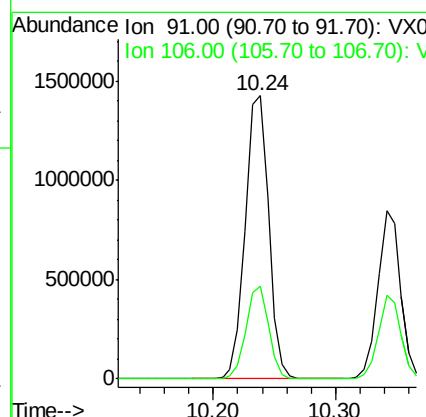
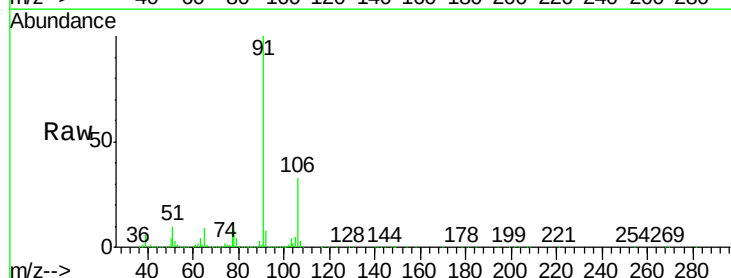
Manual Integrations
APPROVED

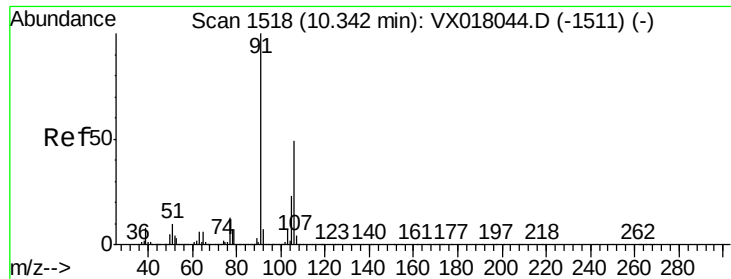
MMDadoda
9/10/2020 4:03:22 PM



#67
Ethyl Benzene
Concen: 83.308 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX018317.D
Acq: 09 Sep 2020 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.9	24.9	37.3





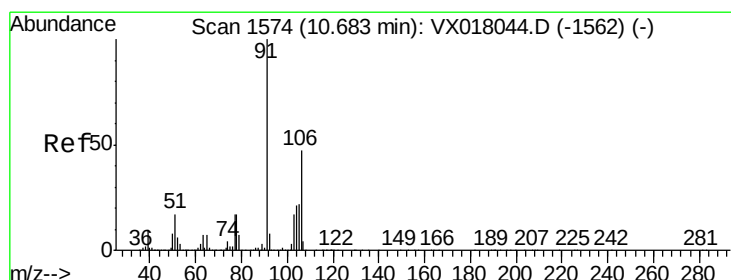
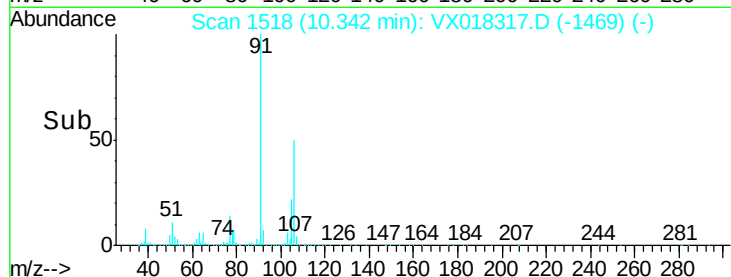
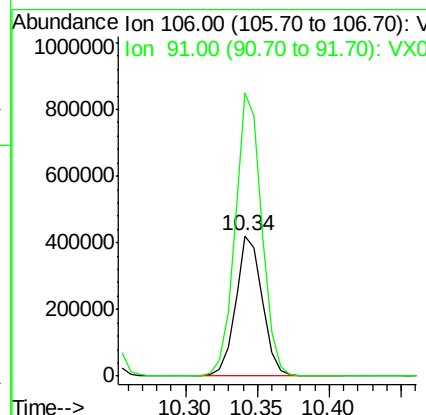
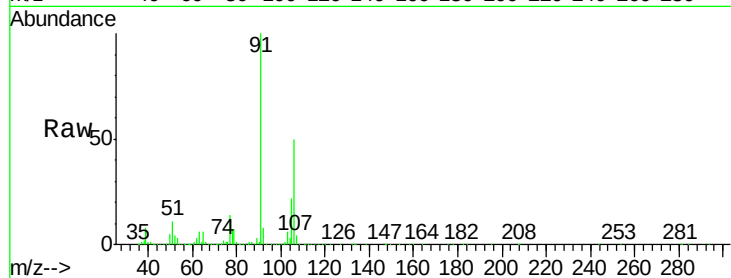
#68
m/p-Xylenes
Concen: 63.669 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018317.D
Acq: 09 Sep 2020 13:13

Instrument :
MSVOA_X
ClientSampled :
TP-1DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.1	162.2	243.2

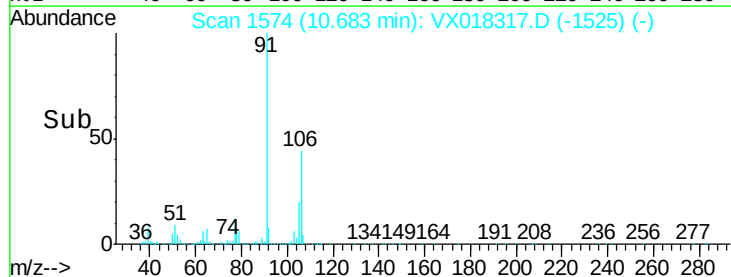
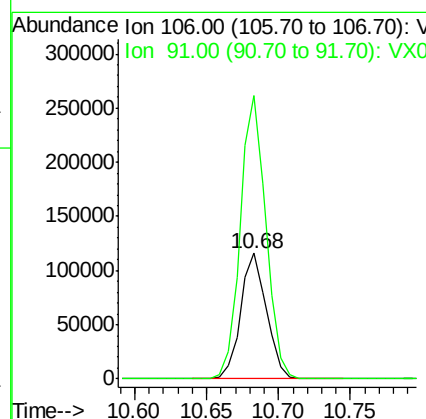
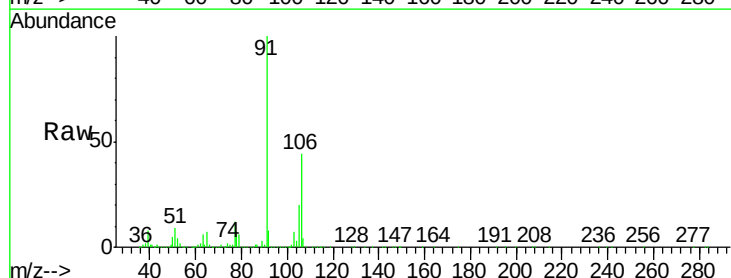
Manual Integrations
APPROVED

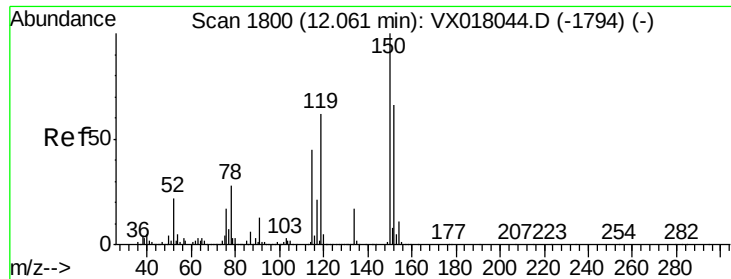
MMDadoda
9/10/2020 4:03:22 PM



#69
o-Xylene
Concen: 17.582 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018317.D
Acq: 09 Sep 2020 13:13

Tgt Ion	Ratio	Lower	Upper
106	100		
91	223.5	107.1	321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018317.D

Acq: 09 Sep 2020 13:13

Instrument :

MSVOA_X

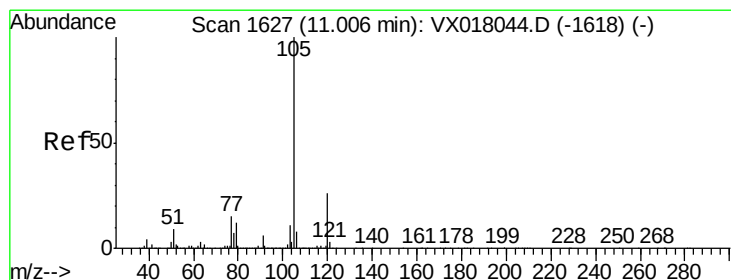
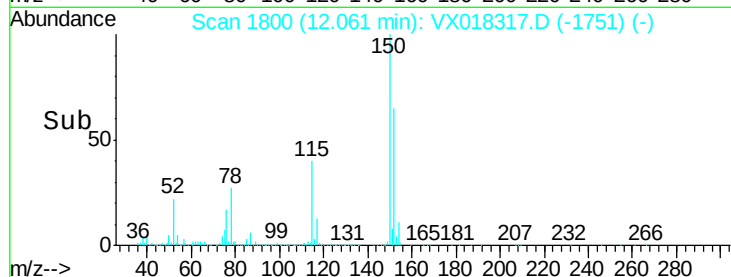
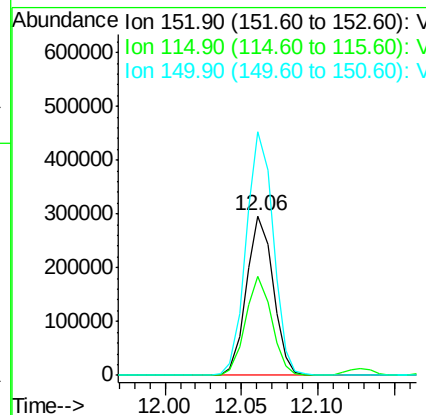
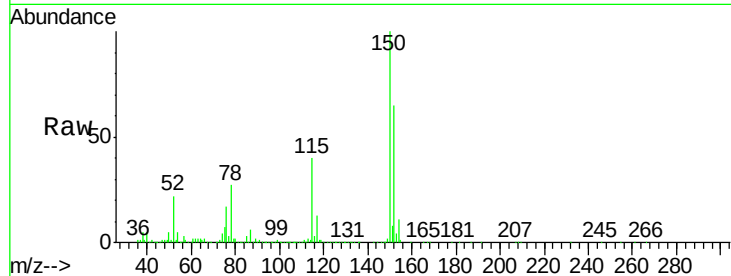
ClientSampleId :

TP-1DL

Tot Ion:	152	Resp:	359796
Ion Ratio	Lower	Upper	
152	100		
115	60.6	41.5	124.5
150	155.0	0.0	343.8

Manual Integrations
APPROVED

MMDadoda
9/10/2020 4:03:22 PM



#73

Isopropylbenzene

Concen: 2.452 ug/l

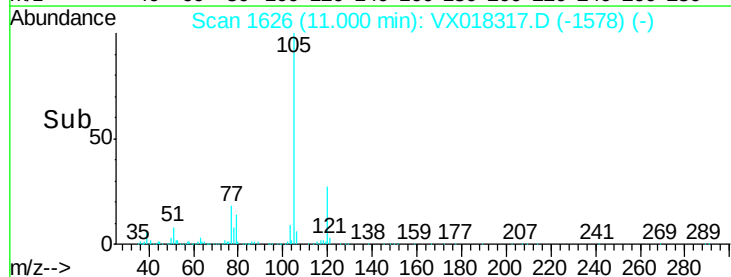
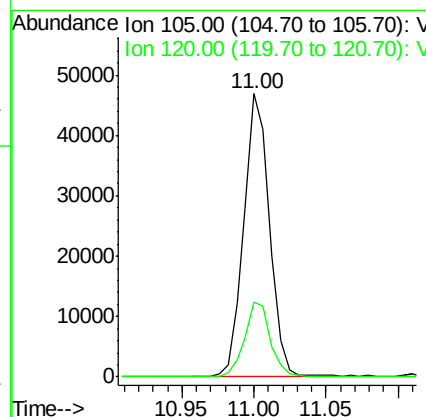
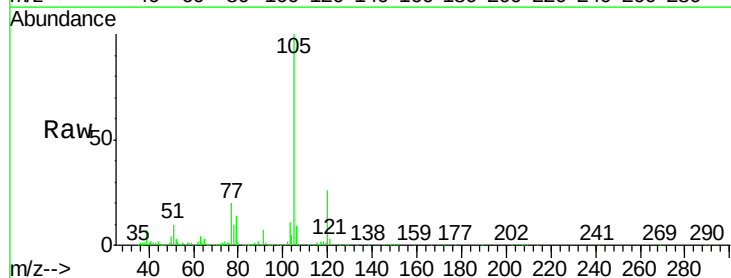
RT: 11.00 min Scan# 1626

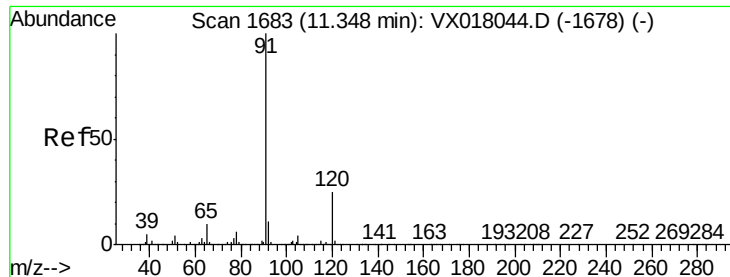
Delta R.T. -0.01 min

Lab File: VX018317.D

Acq: 09 Sep 2020 13:13

Tgt Ion:	105	Resp:	58195
Ion Ratio	Lower	Upper	
105	100		
120	26.5	13.2	39.5





#78

n-propylbenzene

Concen: 3.349 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX018317.D

Acq: 09 Sep 2020 13:13

Instrument :

MSVOA_X

ClientSampleId :

TP-1DL

Tot Ion: 91 Resp: 90259

Ion Ratio Lower Upper

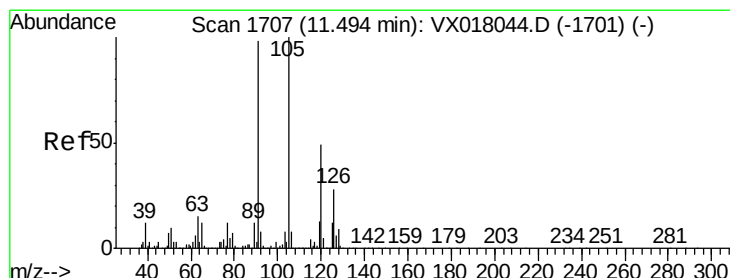
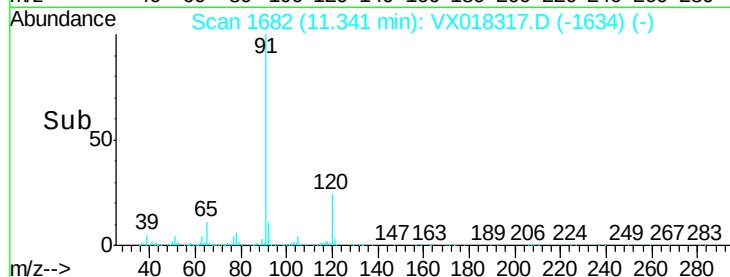
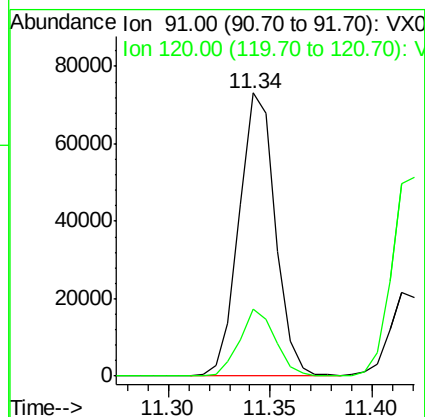
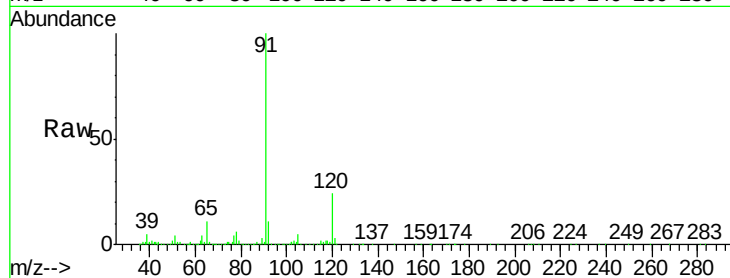
91 100

120 23.2 11.9 35.9

Manual Integrations
APPROVED

MMDadoda

9/10/2020 4:03:22 PM



#80

1,3,5-Trimethylbenzene

Concen: 12.237 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018317.D

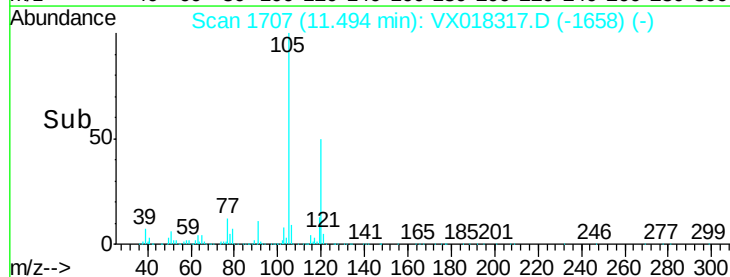
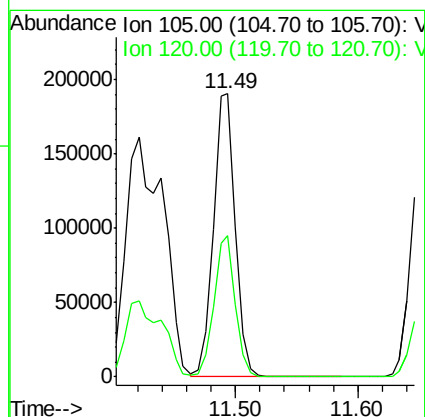
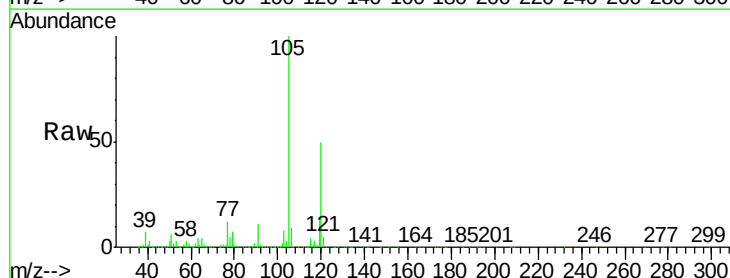
Acq: 09 Sep 2020 13:13

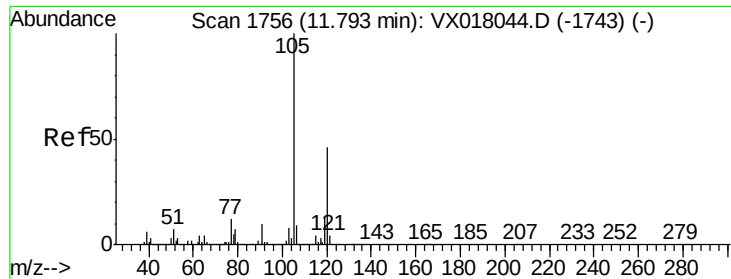
Tgt Ion: 105 Resp: 238649

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.2





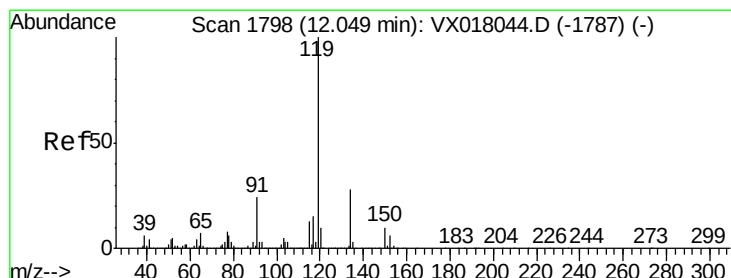
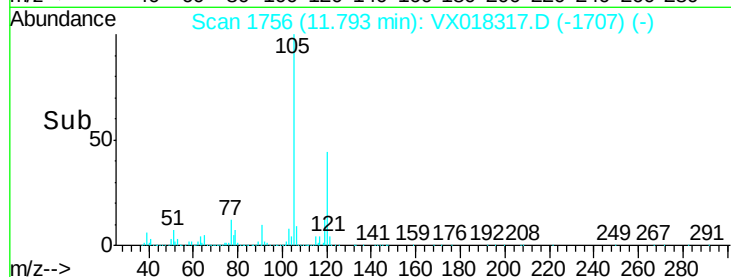
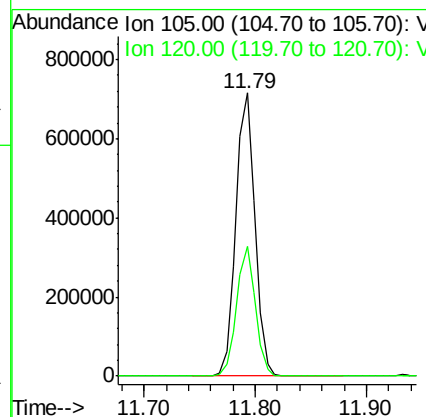
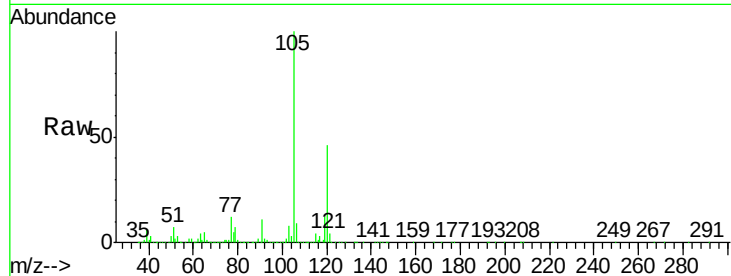
#84
 1,2,4-Trimethylbenzene
 Concen: 42.475 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX018317.D
 Acq: 09 Sep 2020 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.9

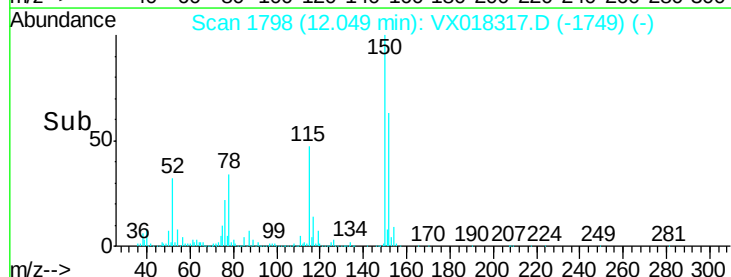
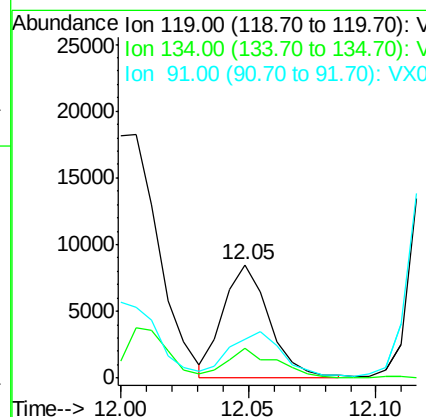
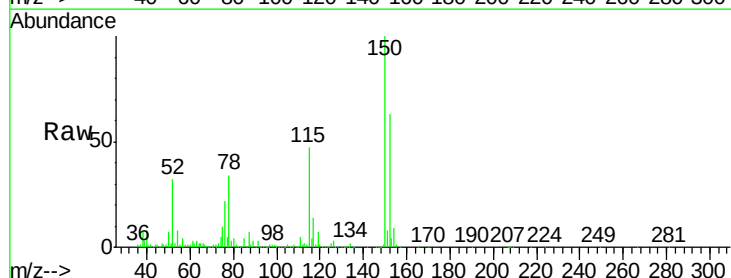
Manual Integrations
 APPROVED

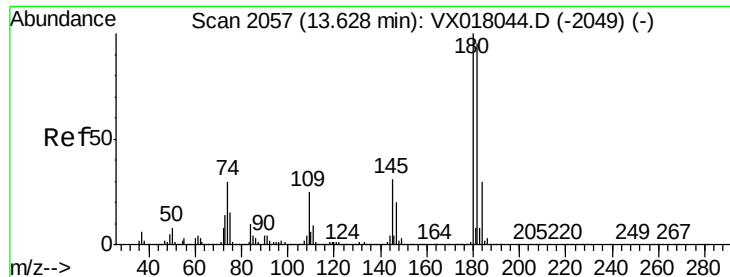
MMDadoda
 9/10/2020 4:03:22 PM



#86
 p-Isopropyltoluene
 Concen: 0.534 ug/l m
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX018317.D
 Acq: 09 Sep 2020 13:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	43.3	13.2	39.5#
91	83.5	11.8	35.4#





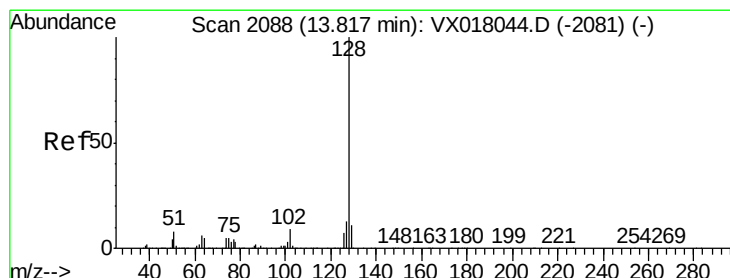
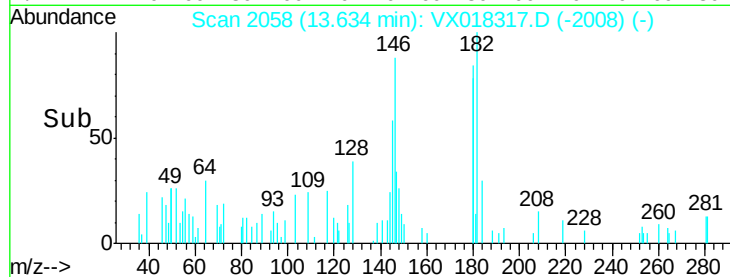
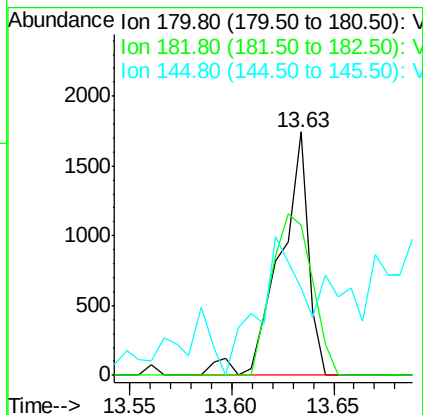
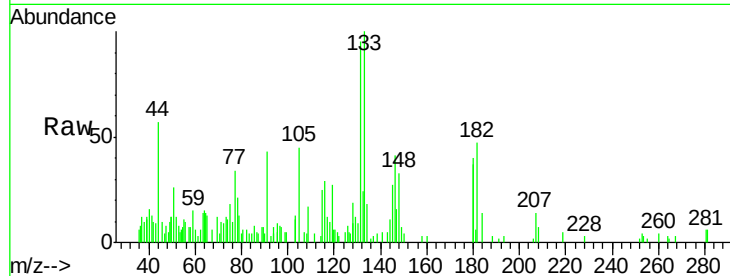
#93
 1,2,4-Trichlorobenzene
 Concen: 0.236 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX018317.D
 Acq: 09 Sep 2020 13:13

Instrument :
 MSVOA_X
 ClientSampled :
 TP-1DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	85.6	15.7	47.1#

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 4:03:22 PM



#95
 Naphthalene
 Concen: 592.531 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VX018317.D
 Acq: 09 Sep 2020 13:13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.9	10.2	15.2#
129	15.4	8.7	13.1#

