

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018359.D
 Acq On : 11 Sep 2020 14:02
 Operator : JC/SP
 Sample : L3977-01 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 12:09:53 PM

Quant Time: Sep 12 06:47:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	74396	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	407722	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	370131	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	187527	31.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.50%
60) 4-Bromofluorobenzene	11.12	95	197687	30.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.70%
63) Toluene-d8	8.70	98	466087	28.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.23%

Target Compounds

					Ovalue	
15) Acetone	2.42	58	628693	1035.898	ug/l	84
20) Diisopropyl ether	3.83	45	11720	0.885	ug/l #	88
25) Chloroform	5.18	83	13967	1.722	ug/l	99
30) 2-Butanone	4.64	43	95284	27.961	ug/l #	95
44) Isopropyl Acetate	6.42	43	32664m	2.991	ug/l	
58) 4-Methyl-2-Pentanone	8.62	43	6358	0.999	ug/l	93
59) 2-Hexanone	9.48	43	3272	0.679	ug/l #	85

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

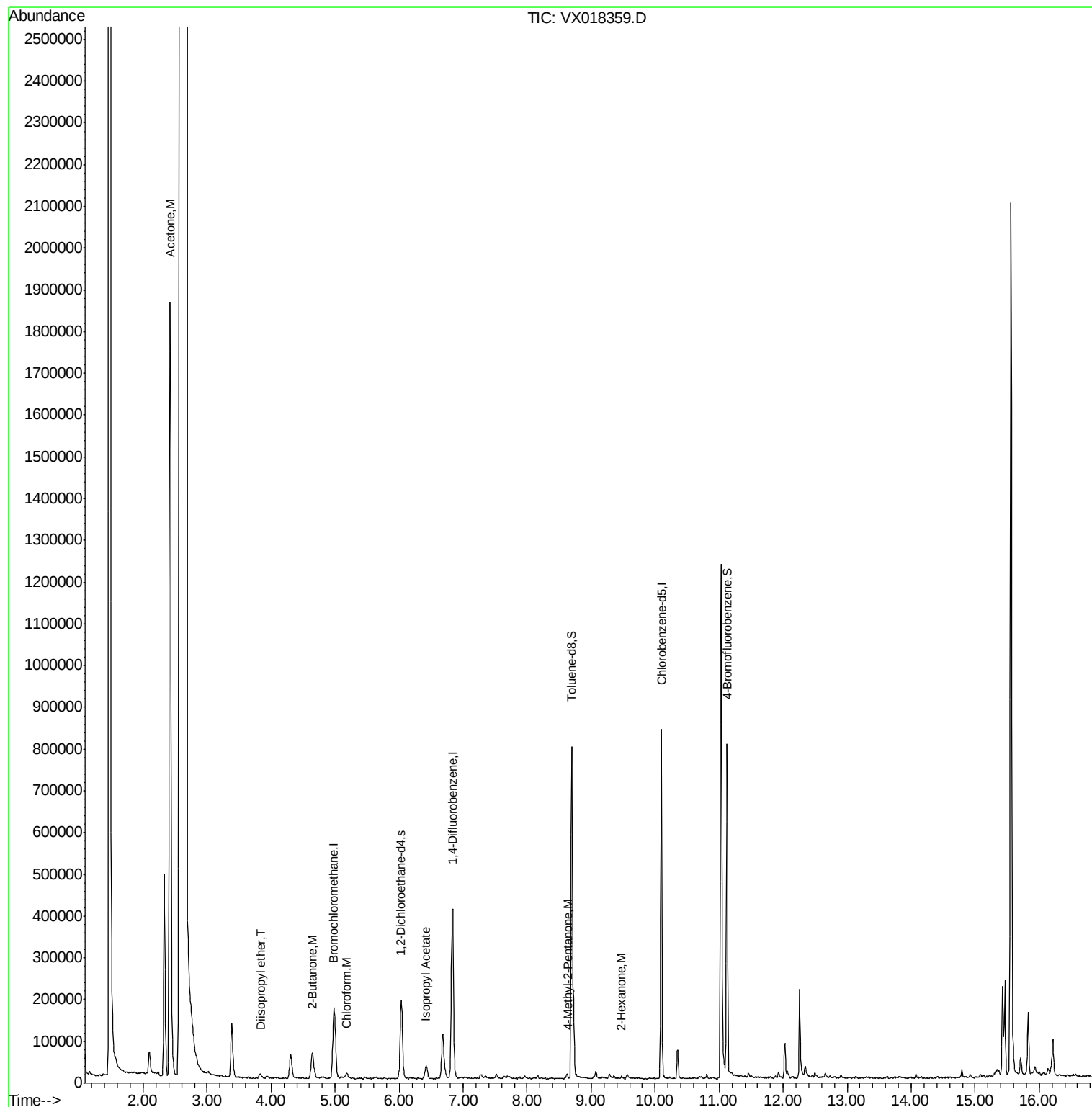
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091120\
Data File : VX018359.D
Acq On : 11 Sep 2020 14:02
Operator : JC/SP
Sample : L3977-01 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

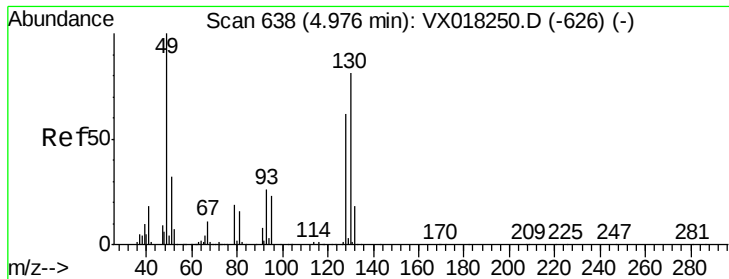
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Manual Integrations
APPROVED

MMDadoda
9/14/2020 12:09:53 PM

Quant Time: Sep 12 06:47:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 04 12:13:41 2020
Response via : Initial Calibration





#1

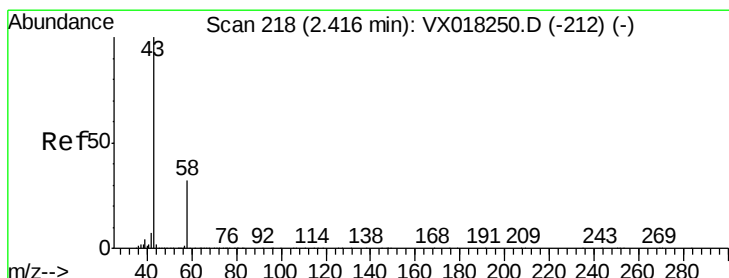
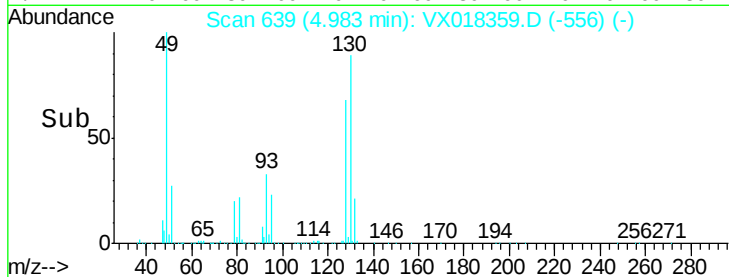
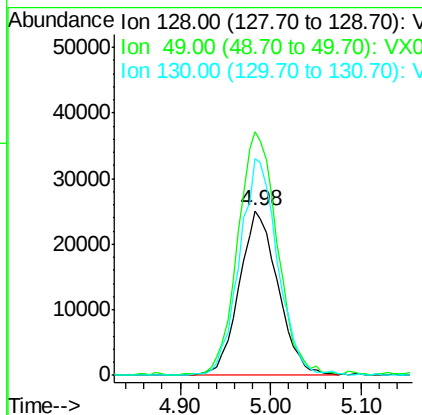
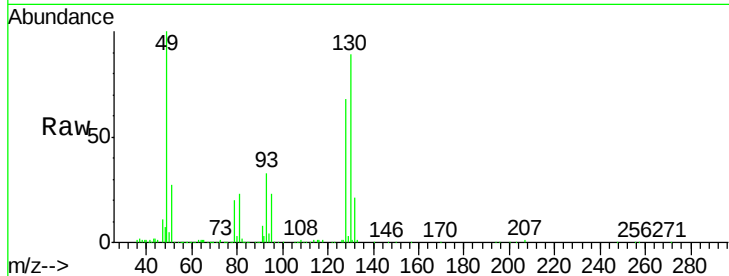
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. 0.01 min
 Lab File: VX018359.D
 Acq: 11 Sep 2020 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Tot Ion	Ratio	Resp	Lower	Upper
128	100	74396		
49	149.1	0.0	392.0	
130	129.1	0.0	320.2	

Manual Integrations
 APPROVED

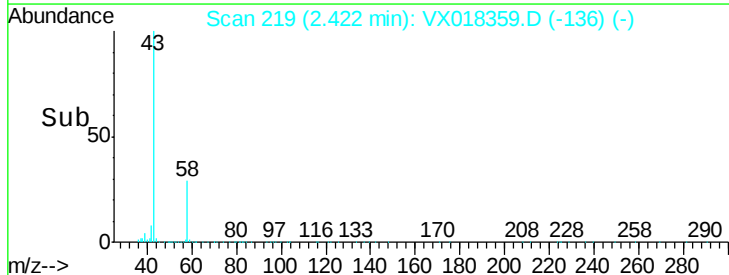
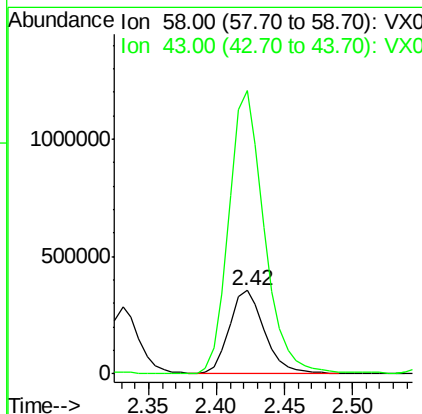
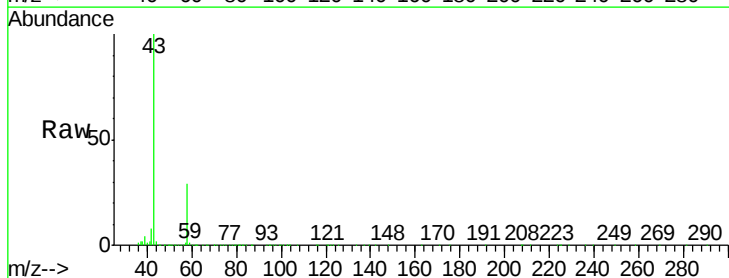
MMDadoda
 9/14/2020 12:09:53 PM

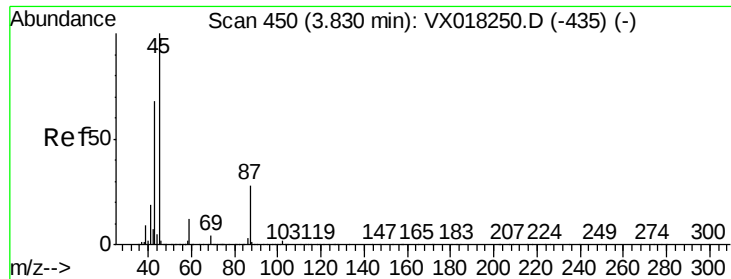


#15

Acetone
 Concen: 1035.898 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VX018359.D
 Acq: 11 Sep 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
58	100	628693		
43	342.8	248.2	372.2	





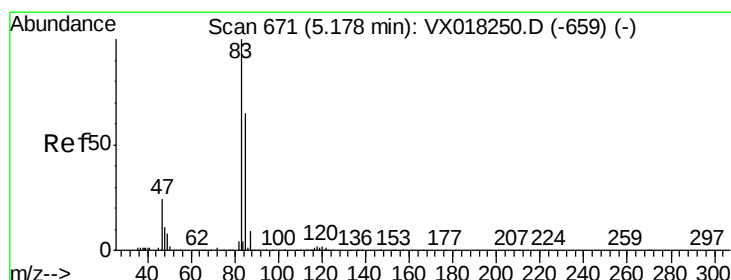
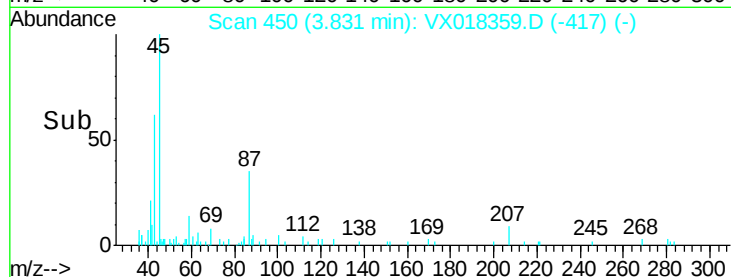
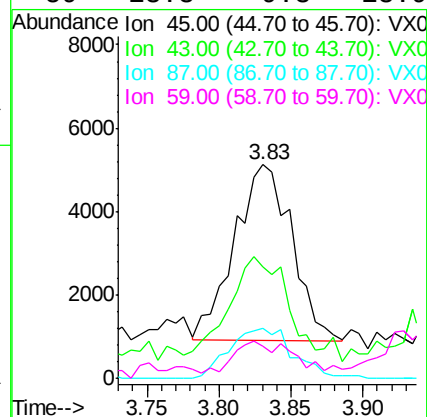
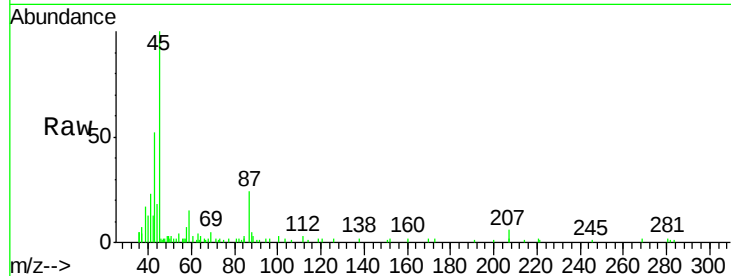
#20
Diisopropyl ether
Concen: 0.885 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ratio	Lower	Upper
45	100		
43	54.4	54.5	81.7#
87	28.7	22.2	33.2
59	13.3	9.3	13.9

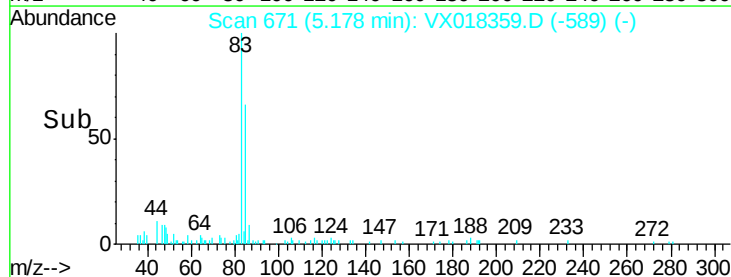
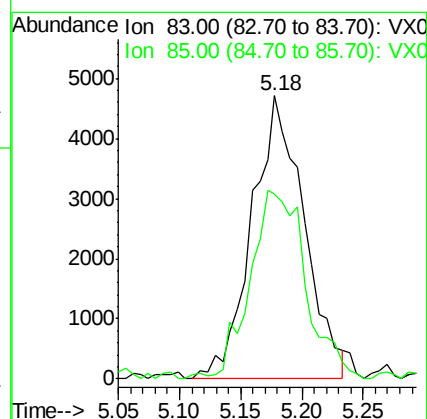
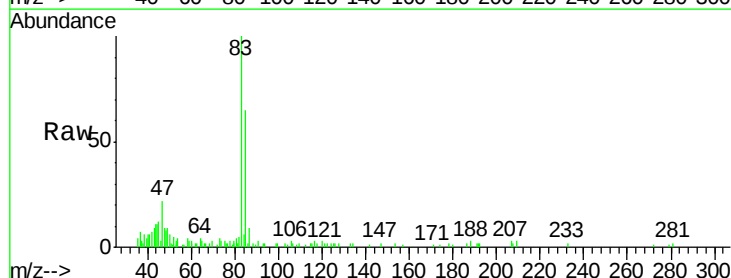
Manual Integrations
APPROVED

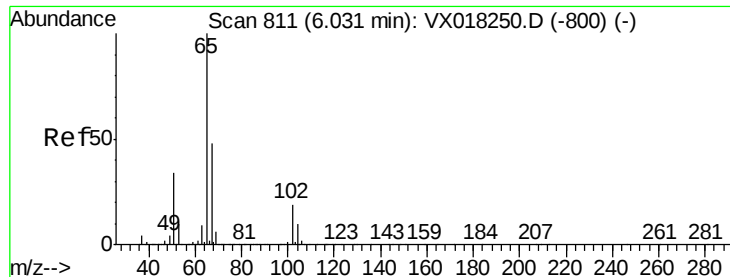
MMDadoda
9/14/2020 12:09:53 PM



#25
Chloroform
Concen: 1.722 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4





#27

1,2-Dichloroethane-d4

Concen: 31.950 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

Tot Ion: 65 Resp: 187527

Ion Ratio Lower Upper

65 100

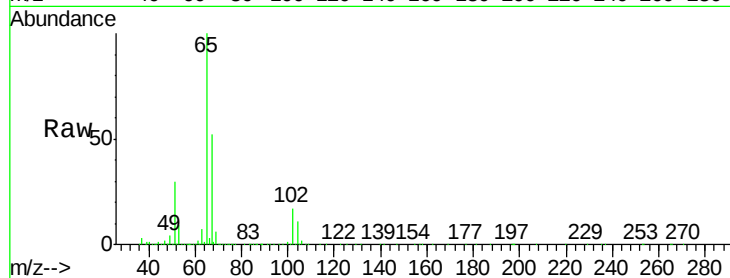
67 50.1 39.9 59.9

Manual Integrations

APPROVED

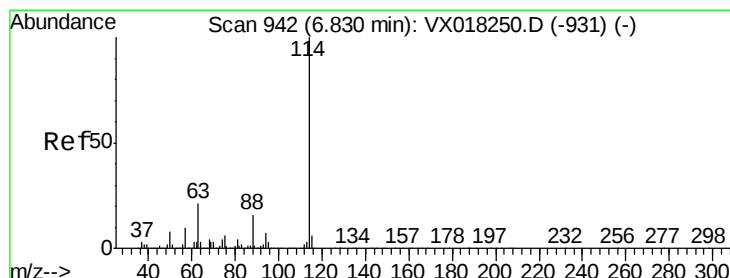
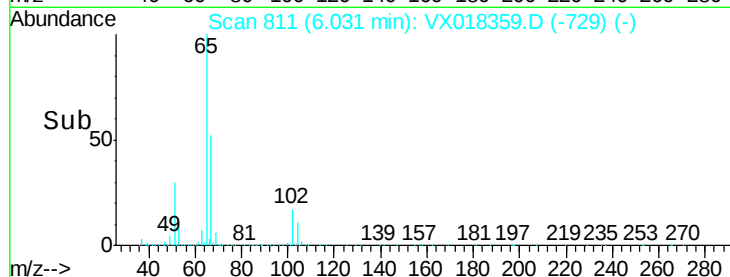
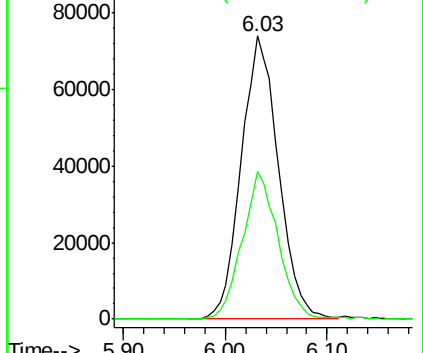
MMDadoda

9/14/2020 12:09:53 PM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

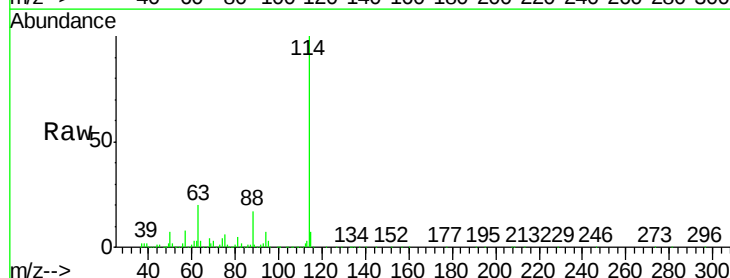
Tgt Ion: 114 Resp: 407722

Ion Ratio Lower Upper

114 100

63 20.8 16.7 25.1

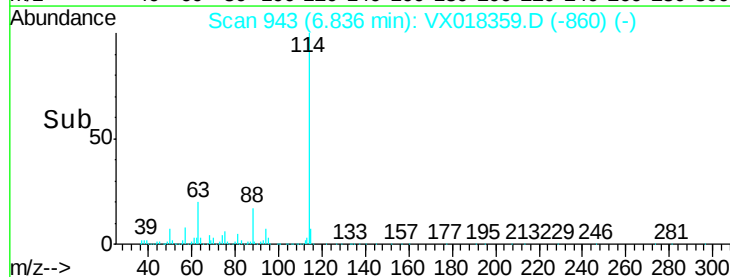
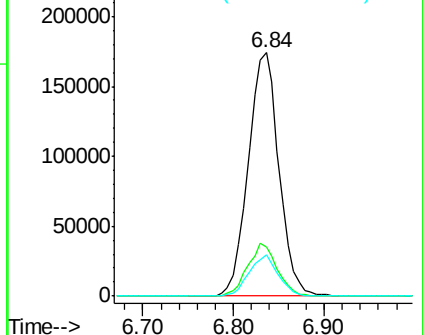
88 16.1 12.6 18.8

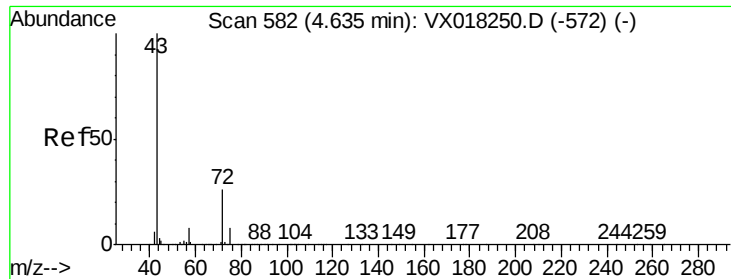


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





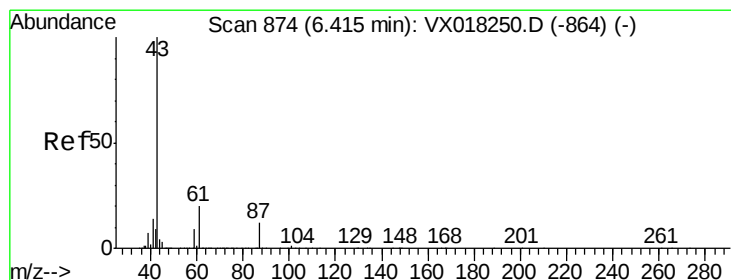
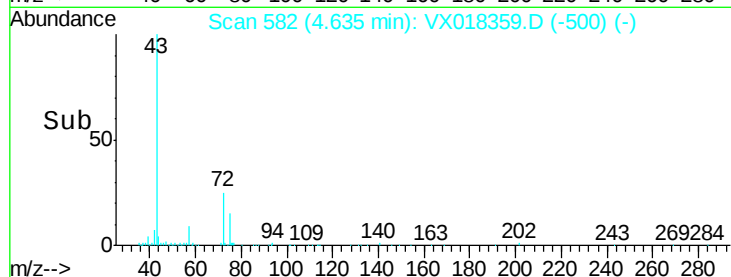
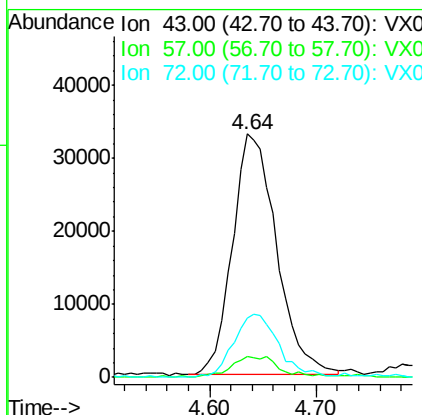
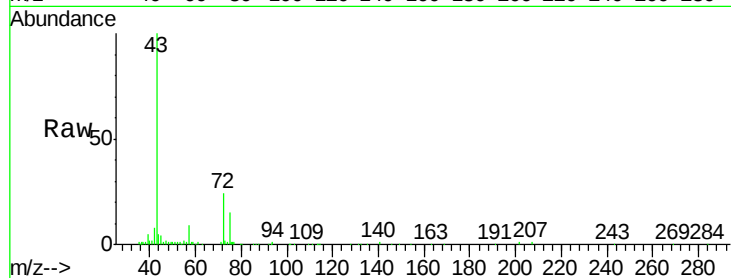
#30
2-Butanone
Concen: 27.961 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ratio	Lower	Upper
43	100		
57	5.3	6.7	10.1#
72	26.8	20.0	30.0

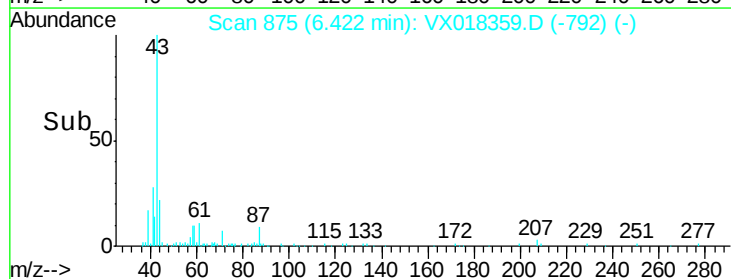
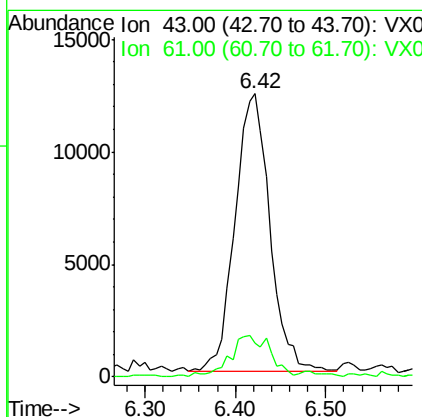
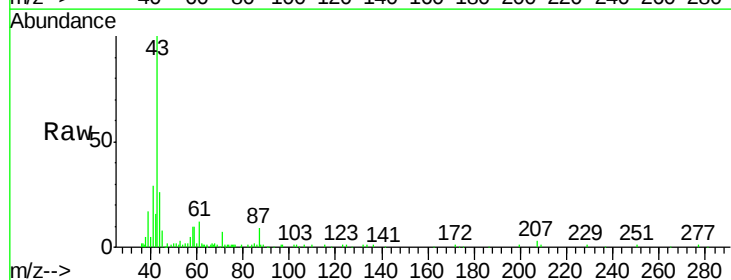
Manual Integrations
APPROVED

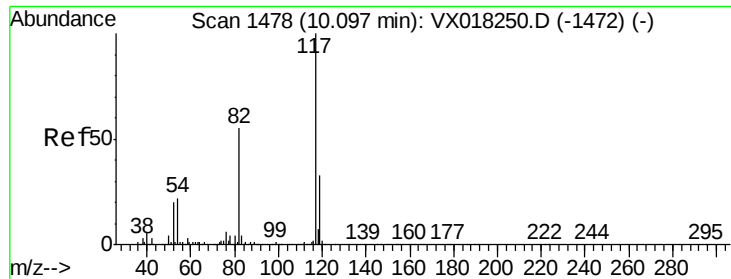
MMDadoda
9/14/2020 12:09:53 PM



#44
Isopropyl Acetate
Concen: 2.991 ug/l m
RT: 6.42 min Scan# 875
Delta R.T. 0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.2	14.6	22.0#





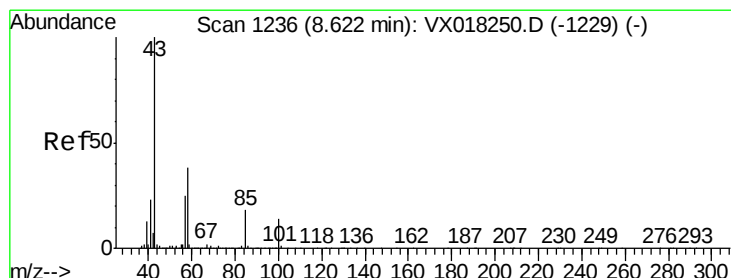
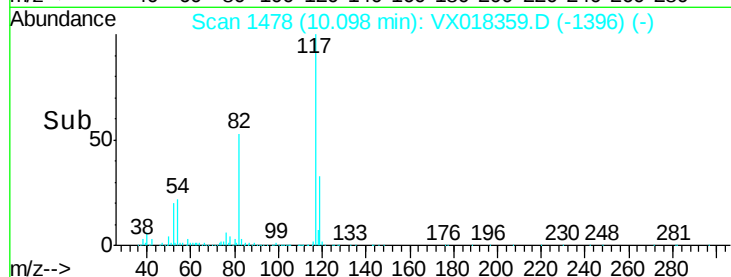
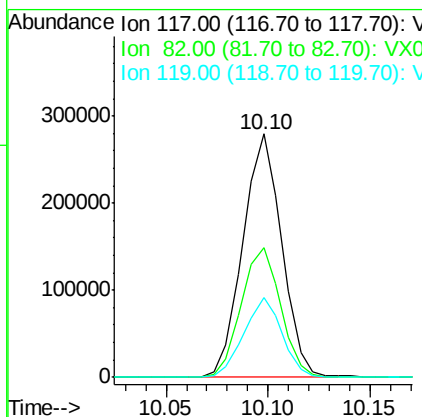
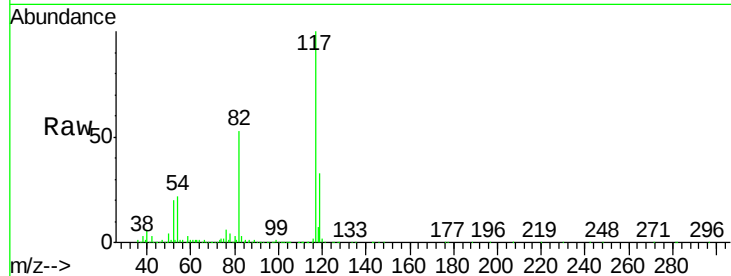
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ratio	Resp	Lower	Upper
117	100	370131		
82	54.2		44.2	66.4
119	32.4		26.1	39.1

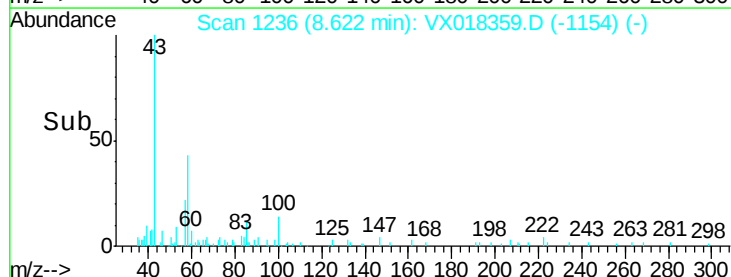
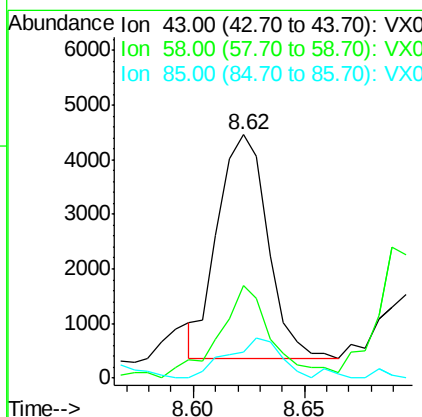
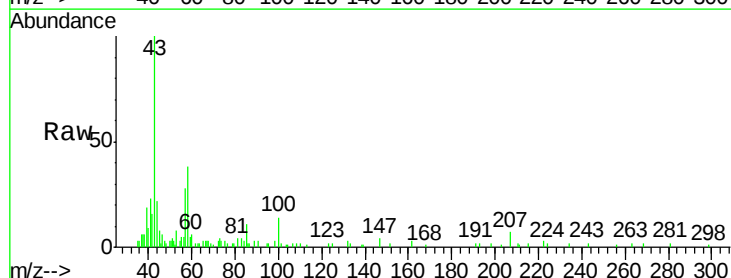
Manual Integrations
APPROVED

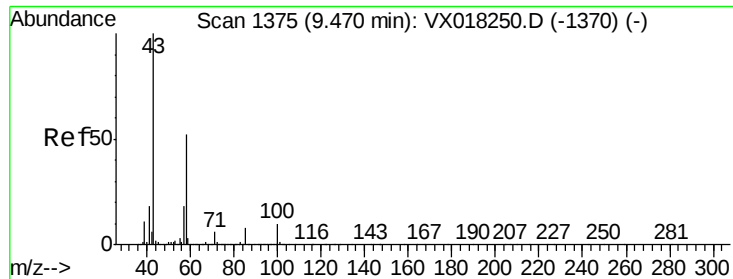
MMDadoda
9/14/2020 12:09:53 PM



#58
4-Methyl-2-Pentanone
Concen: 0.999 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	6358		
58	42.7		30.0	45.0
85	19.0		14.2	21.4





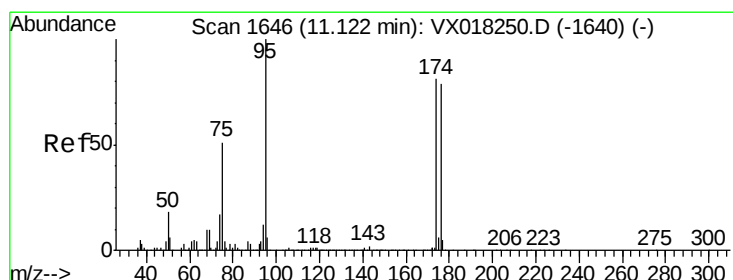
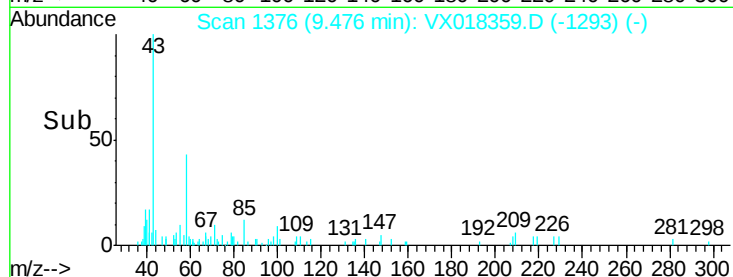
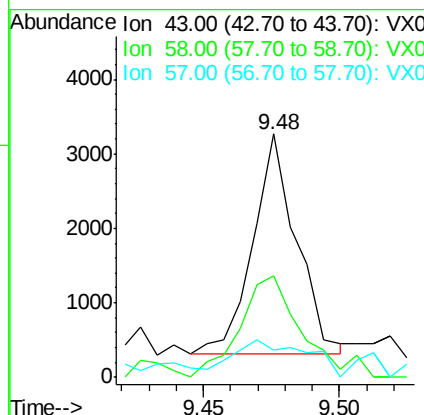
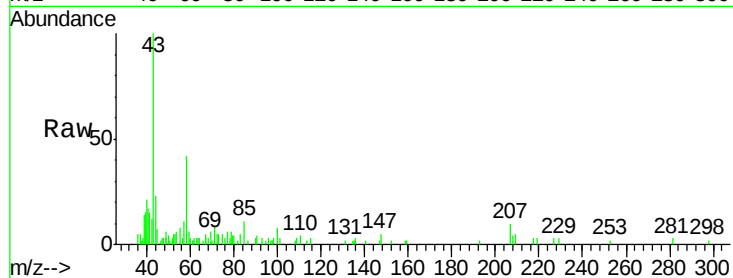
#59
2-Hexanone
Concen: 0.679 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tot Ion	Ratio	Lower	Upper
43	100		
58	62.2	42.5	63.7
57	28.5	14.8	22.2

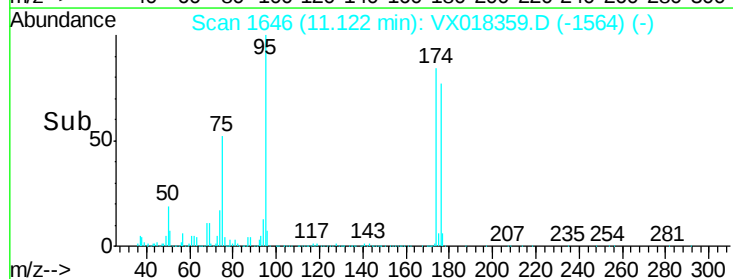
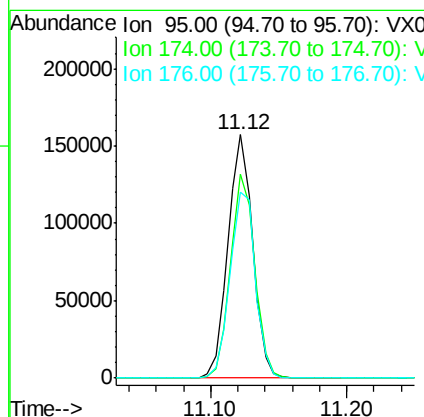
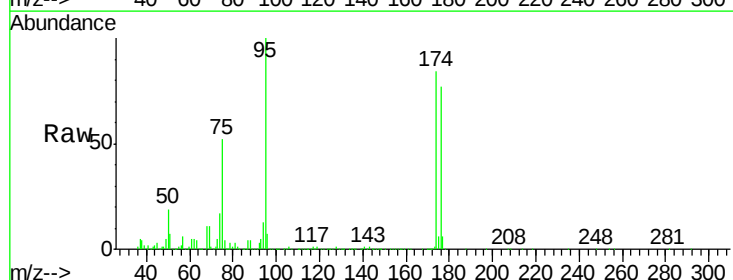
Manual Integrations
APPROVED

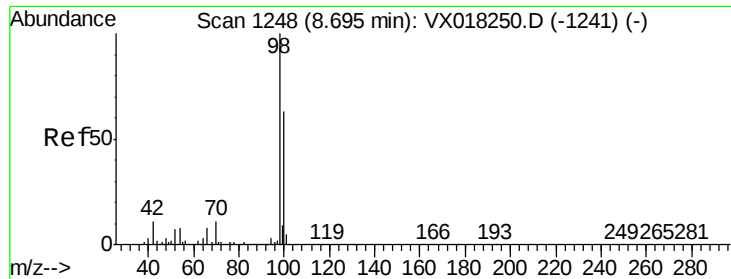
MMDadoda
9/14/2020 12:09:53 PM



#60
4-Bromofluorobenzene
Concen: 30.815 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018359.D
Acq: 11 Sep 2020 14:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.7	64.2	96.4
176	79.0	62.2	93.4





#63

Toluene-d8

Concen: 28.570 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018359.D

Acq: 11 Sep 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

Tot Ion: 98 Resp: 466087

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.0

Manual Integrations

APPROVED

MMDadoda

9/14/2020 12:09:53 PM

