

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071523\
 Data File : VX036558.D
 Acq On : 14 Jul 2023 15:37
 Operator : JC/MD
 Sample : 03642-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Quant Time: Jul 17 01:29:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/17/2023
 Supervised By :Semsettin Yesilyurt 07/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.897	128	28668	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	160710	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	145323	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	73047	30.700	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.333%			
60) 4-Bromofluorobenzene	11.079	95	73231	31.066	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.567%			
63) Toluene-d8	8.646	98	196711	29.416	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.067%			
Target Compounds						
					Qvalue	
15) Acetone	2.385	58	751854	2402.571	ug/l	95
16) Carbon Disulfide	2.513	76	1821	0.447	ug/l	96
18) Methylene Chloride	2.788	84	2265	1.121	ug/l	91
20) Diisopropyl ether	3.757	45	3531	0.582	ug/l #	76
25) Chloroform	5.092	83	19712	5.392	ug/l	91
41) Bromodichloromethane	7.823	83	1240m	0.466	ug/l	
58) 4-Methyl-2-Pentanone	8.573	43	6354	2.114	ug/l #	89
62) Toluene	8.714	91	2249	0.276	ug/l	97

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

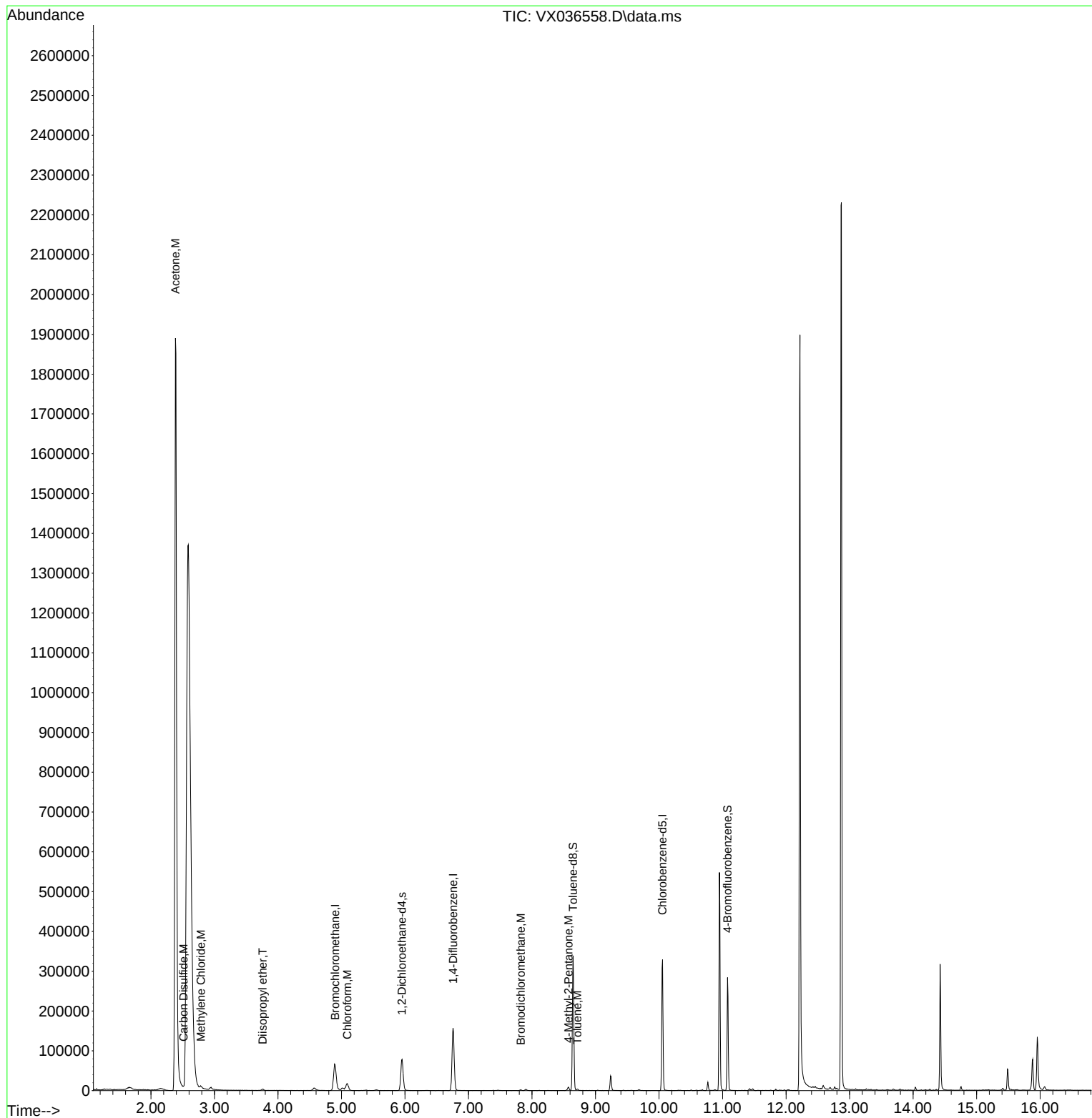
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071523\
Data File : VX036558.D
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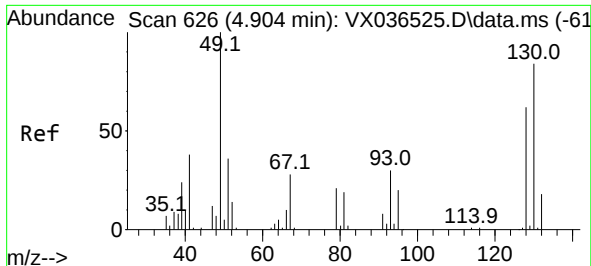
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Quant Time: Jul 17 01:29:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

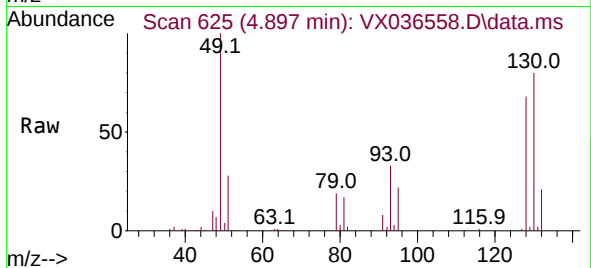
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX036558.D
Acq: 14 Jul 2023 15:37

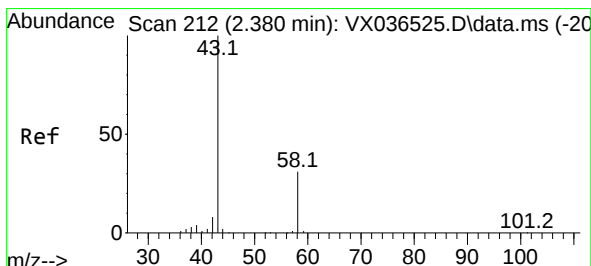
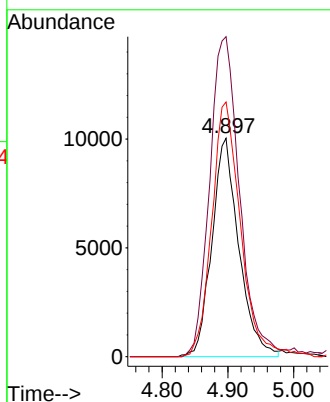
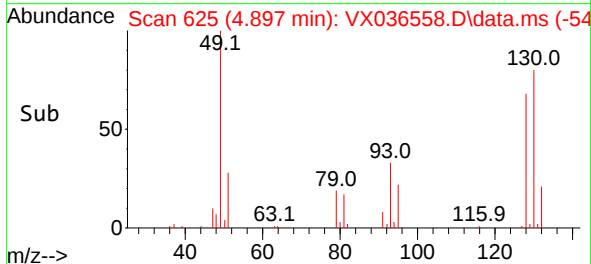
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW



Tgt Ion:128 Resp: 2866
Ion Ratio Lower Upper
128 100
49 162.7 0.0 406.3
130 123.3 0.0 328.0

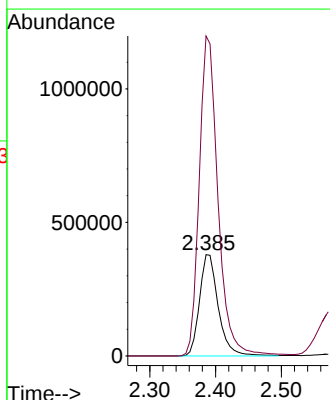
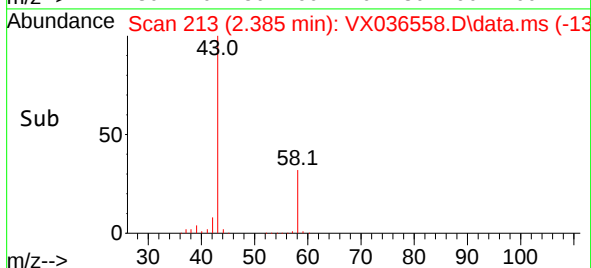
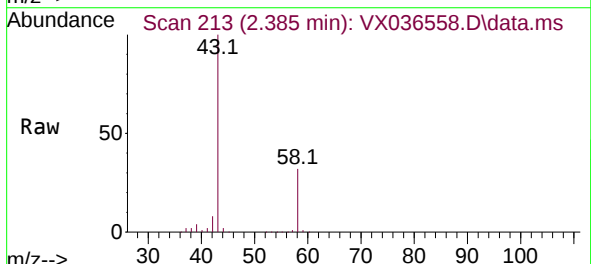
Manual Integrations
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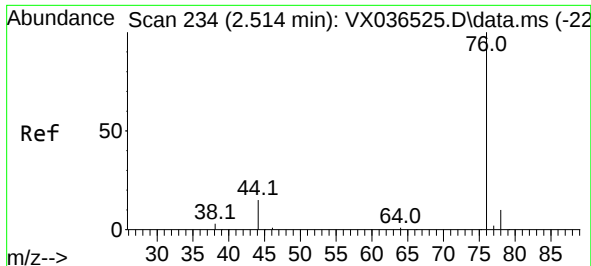
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#15
Acetone
Concen: 2402.571 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX036558.D
Acq: 14 Jul 2023 15:37

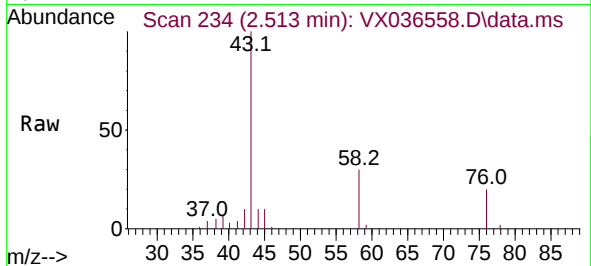
Tgt Ion: 58 Resp: 751854
Ion Ratio Lower Upper
58 100
43 315.7 261.0 391.4





#16
Carbon Disulfide
Concen: 0.447 ug/l
RT: 2.513 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036558.D
Acq: 14 Jul 2023 15:37

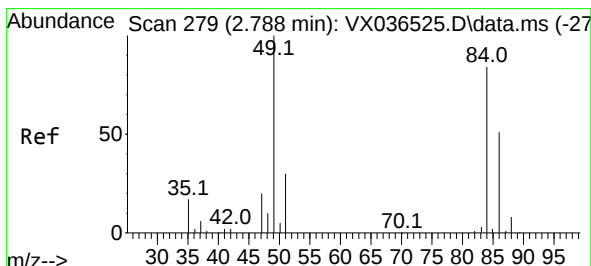
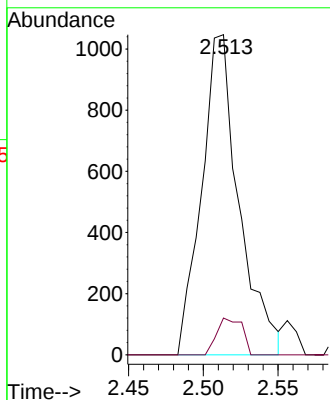
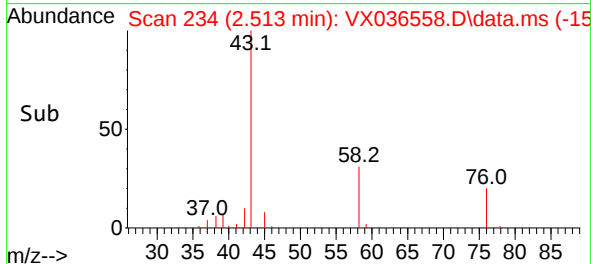
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW



Tgt Ion: 76 Resp: 182
Ion Ratio Lower Upper
76 100
78 11.5 8.0 12.0

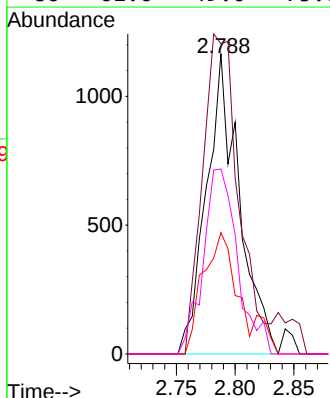
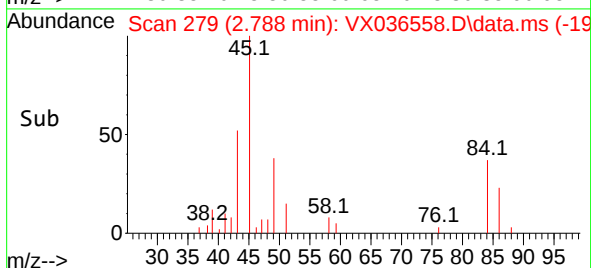
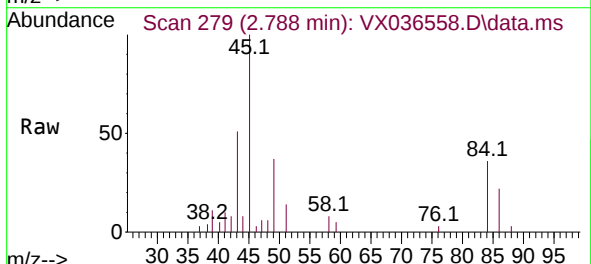
Manual Integrations
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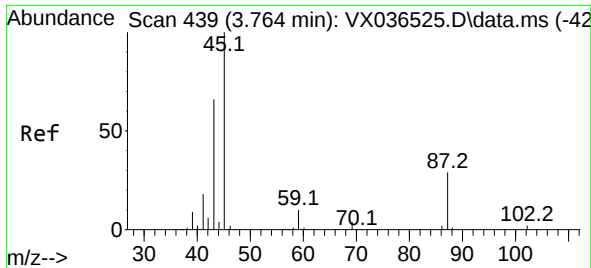
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#18
Methylene Chloride
Concen: 1.121 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036558.D
Acq: 14 Jul 2023 15:37

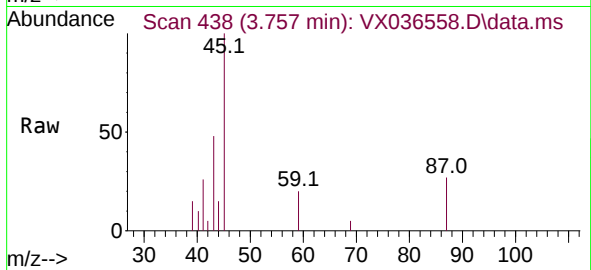
Tgt Ion: 84 Resp: 2265
Ion Ratio Lower Upper
84 100
49 103.3 95.4 143.0
51 40.4 28.3 42.5
86 61.6 49.0 73.6





#20
Diisopropyl ether
Concen: 0.582 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX036558.D
Acq: 14 Jul 2023 15:37

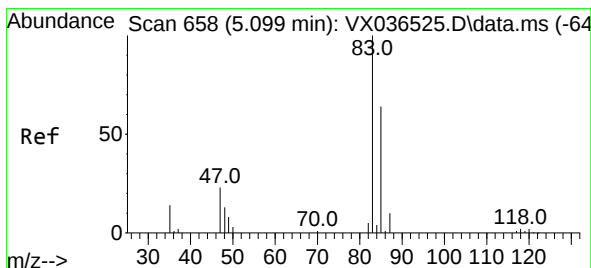
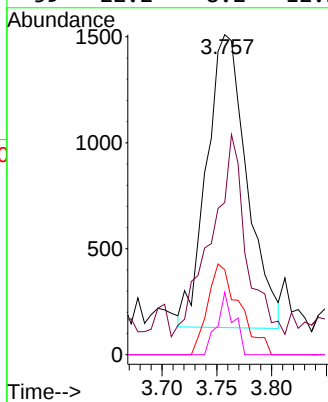
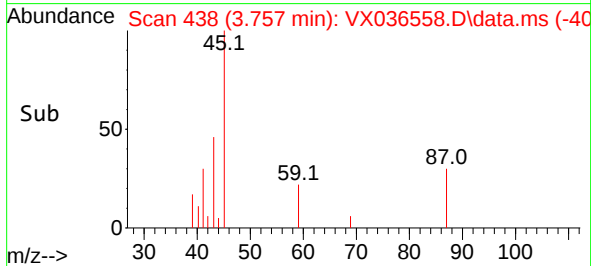
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW



Tgt Ion: 45 Resp: 353
Ion Ratio Lower Upper
45 100
43 43.7 55.8 83.6
87 30.2 23.0 34.4
59 22.2 8.2 12.2#

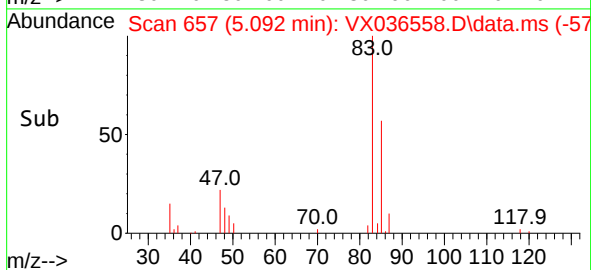
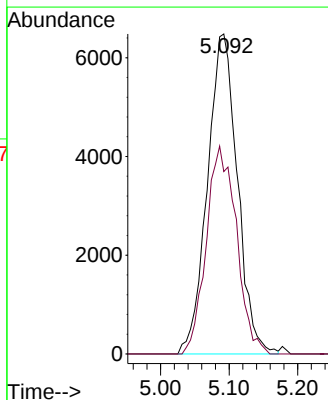
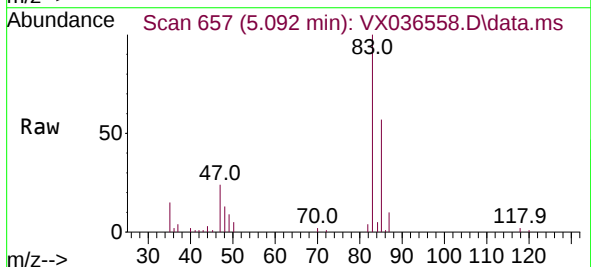
Manual Integrations
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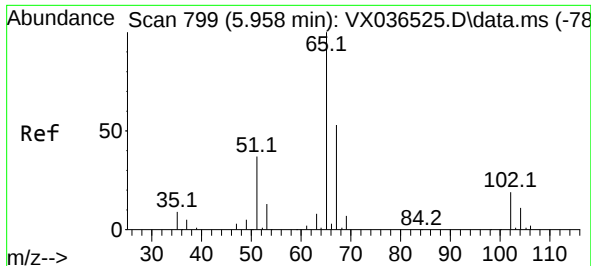
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#25
Chloroform
Concen: 5.392 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.006 min
Lab File: VX036558.D
Acq: 14 Jul 2023 15:37

Tgt Ion: 83 Resp: 19712
Ion Ratio Lower Upper
83 100
85 57.0 51.5 77.3





#27

1,2-Dichloroethane-d4

Concen: 30.700 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX036558.D

Acq: 14 Jul 2023 15:37

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

Tgt Ion: 65 Resp: 7304

Ion Ratio Lower Upper

65 100

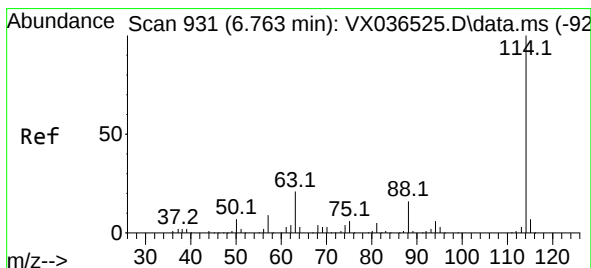
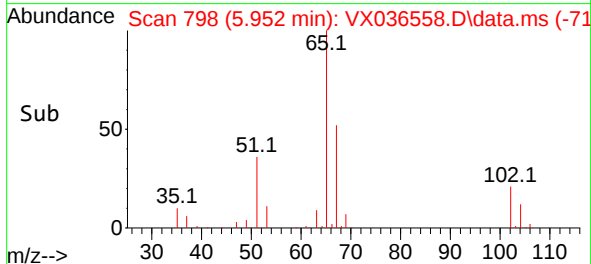
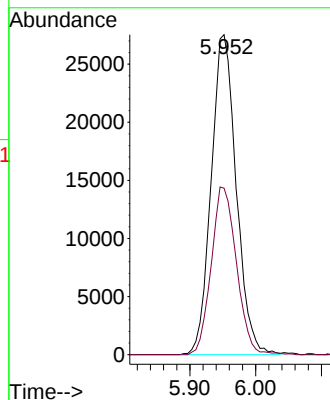
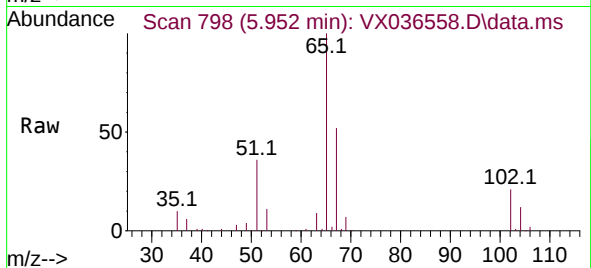
67 52.2 42.1 63.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX036558.D

Acq: 14 Jul 2023 15:37

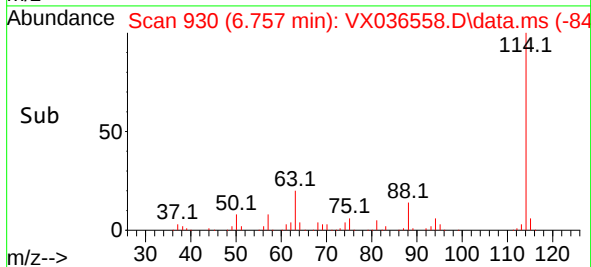
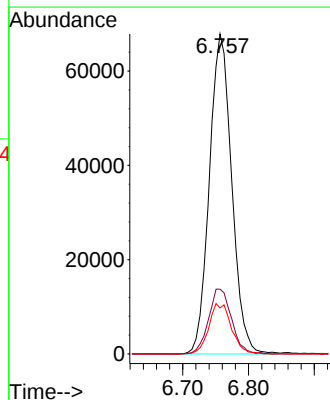
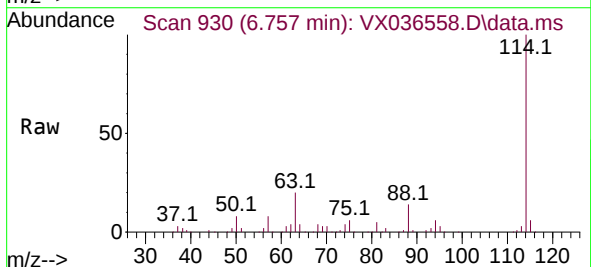
Tgt Ion:114 Resp: 160710

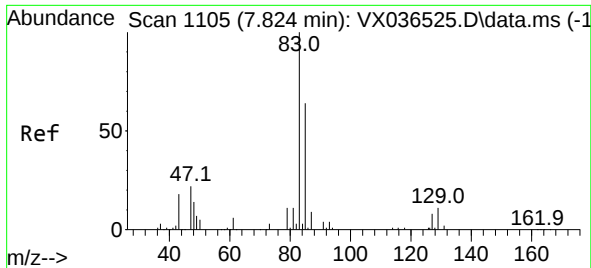
Ion Ratio Lower Upper

114 100

63 20.7 16.6 24.8

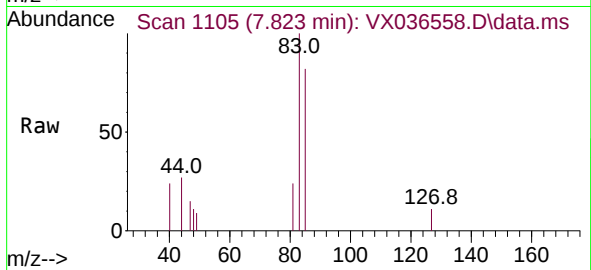
88 15.9 12.9 19.3





#41
Bromodichloromethane
Concen: 0.466 ug/l m
RT: 7.823 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX036558.D
Acq: 14 Jul 2023 15:37

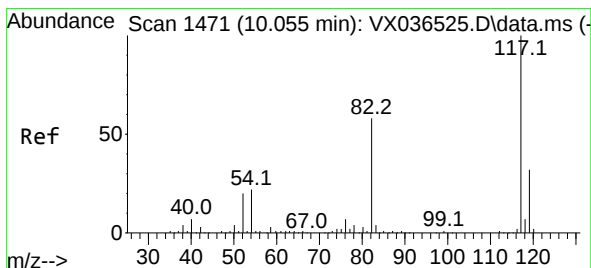
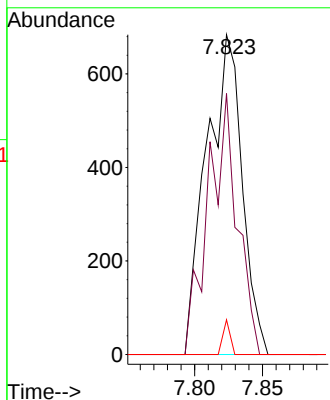
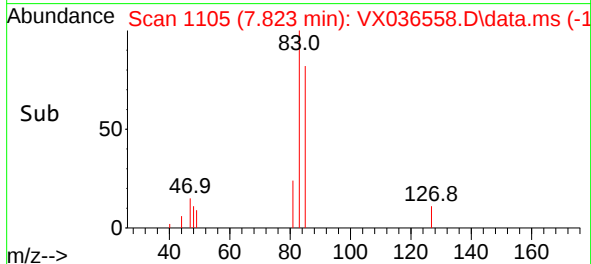
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW



Tgt Ion: 83 Resp: 1240
Ion Ratio Lower Upper
83 100
85 81.6 51.5 77.3
127 10.8 6.4 9.6

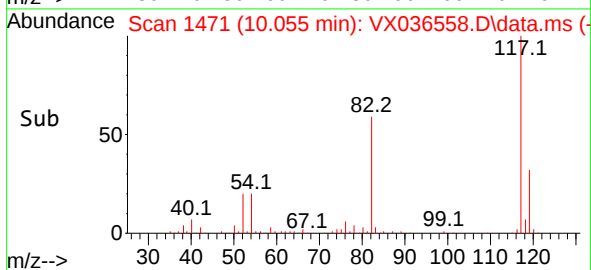
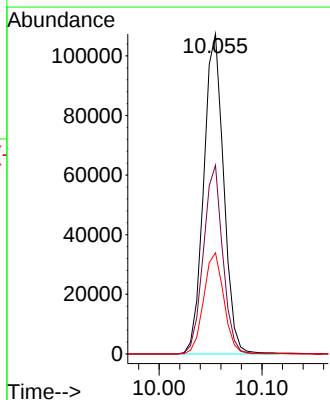
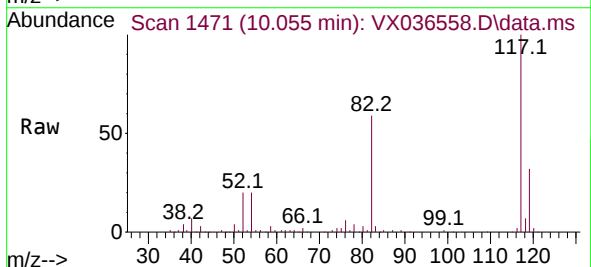
Manual Integrations
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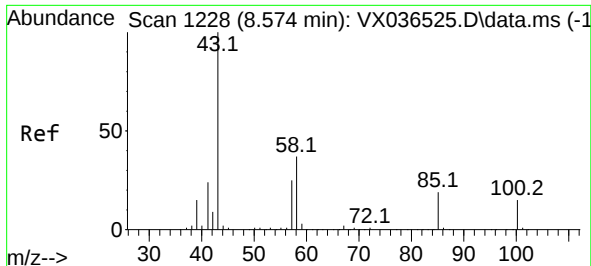
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036558.D
Acq: 14 Jul 2023 15:37

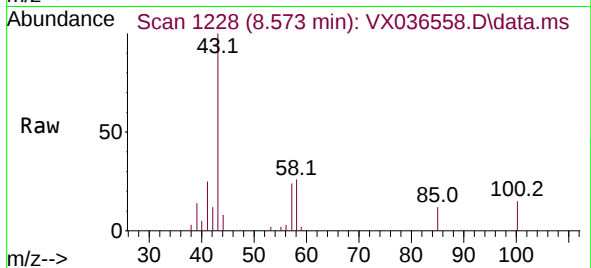
Tgt Ion:117 Resp: 145323
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 31.9 25.6 38.4





#58
4-Methyl-2-Pentanone
Concen: 2.114 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX036558.D
Acq: 14 Jul 2023 15:37

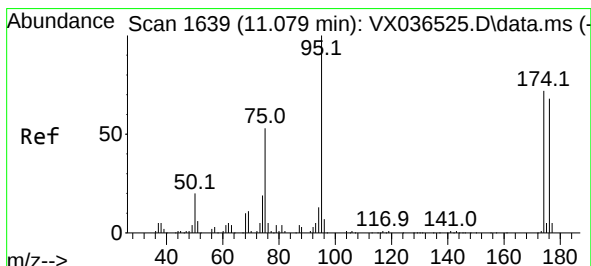
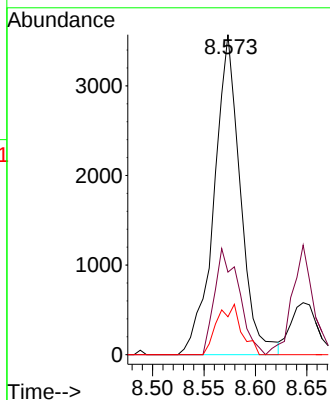
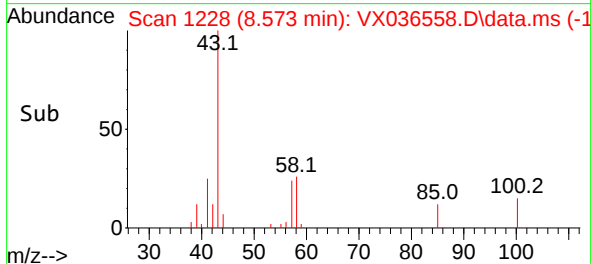
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW



Tgt Ion: 43 Resp: 6354
Ion Ratio Lower Upper
43 100
58 30.8 30.9 46.3
85 14.4 14.4 21.6

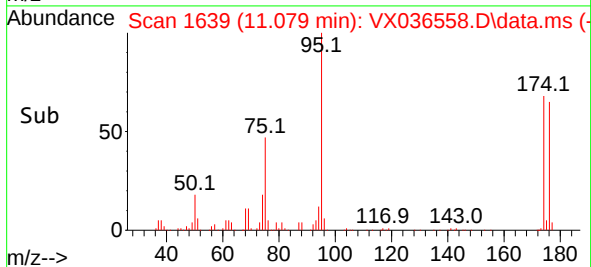
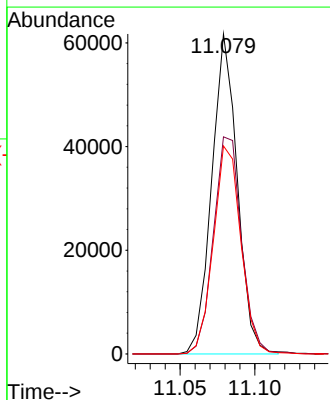
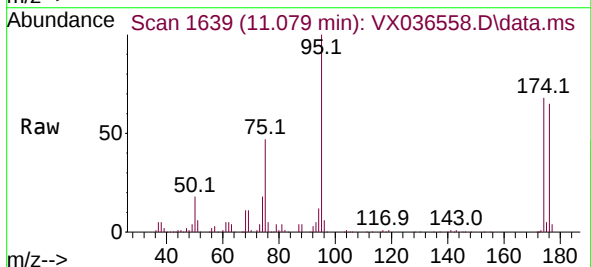
Manual Integrations
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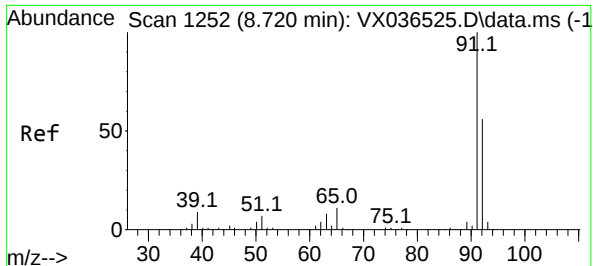
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#60
4-Bromofluorobenzene
Concen: 31.066 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036558.D
Acq: 14 Jul 2023 15:37

Tgt Ion: 95 Resp: 73231
Ion Ratio Lower Upper
95 100
174 74.4 60.5 90.7
176 70.2 58.2 87.4





#62

Toluene

Concen: 0.276 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX036558.D

Acq: 14 Jul 2023 15:37

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

Tgt Ion: 91 Resp: 2249

Ion Ratio Lower Upper

91 100

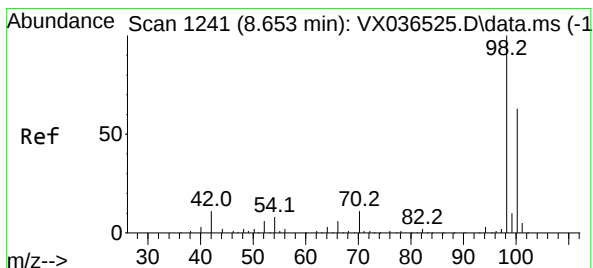
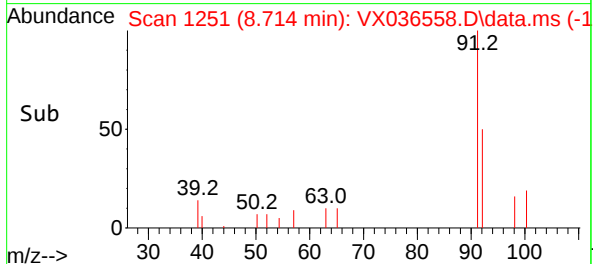
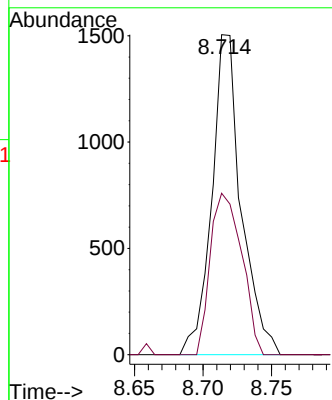
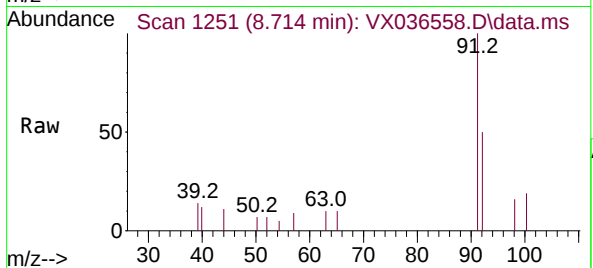
92 53.9 44.9 67.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#63

Toluene-d8

Concen: 29.416 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX036558.D

Acq: 14 Jul 2023 15:37

Tgt Ion: 98 Resp: 196711

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4

