

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072624\
 Data File : VX042561.D
 Acq On : 25 Jul 2024 12:21
 Operator : JC/MD
 Sample : P3355-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JUNE)

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/26/2024
 Supervised By :Mahesh Dadoda 07/26/2024

Quant Time: Jul 26 01:35:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	20714	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	114811	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	107365	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	44380	29.911	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.700%	
60) 4-Bromofluorobenzene	11.079	95	47010	28.141	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	93.800%	
63) Toluene-d8	8.647	98	136342	29.233	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	97.433%	
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.709	43	3919	1.974	ug/l	96
15) Acetone	2.392	58	35728	161.131	ug/l	99
16) Carbon Disulfide	2.502	76	3037	1.272	ug/l	97
18) Methylene Chloride	2.794	84	2092m	1.517	ug/l	
30) 2-Butanone	4.574	43	22155	22.165	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	6889	3.641	ug/l	97
62) Toluene	8.720	91	800977	149.221	ug/l	100
82) p-Isopropyltoluene	12.006	119	4222	0.779	ug/l	95
84) 1,4-Dichlorobenzene	12.042	146	4656	1.539	ug/l	99

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

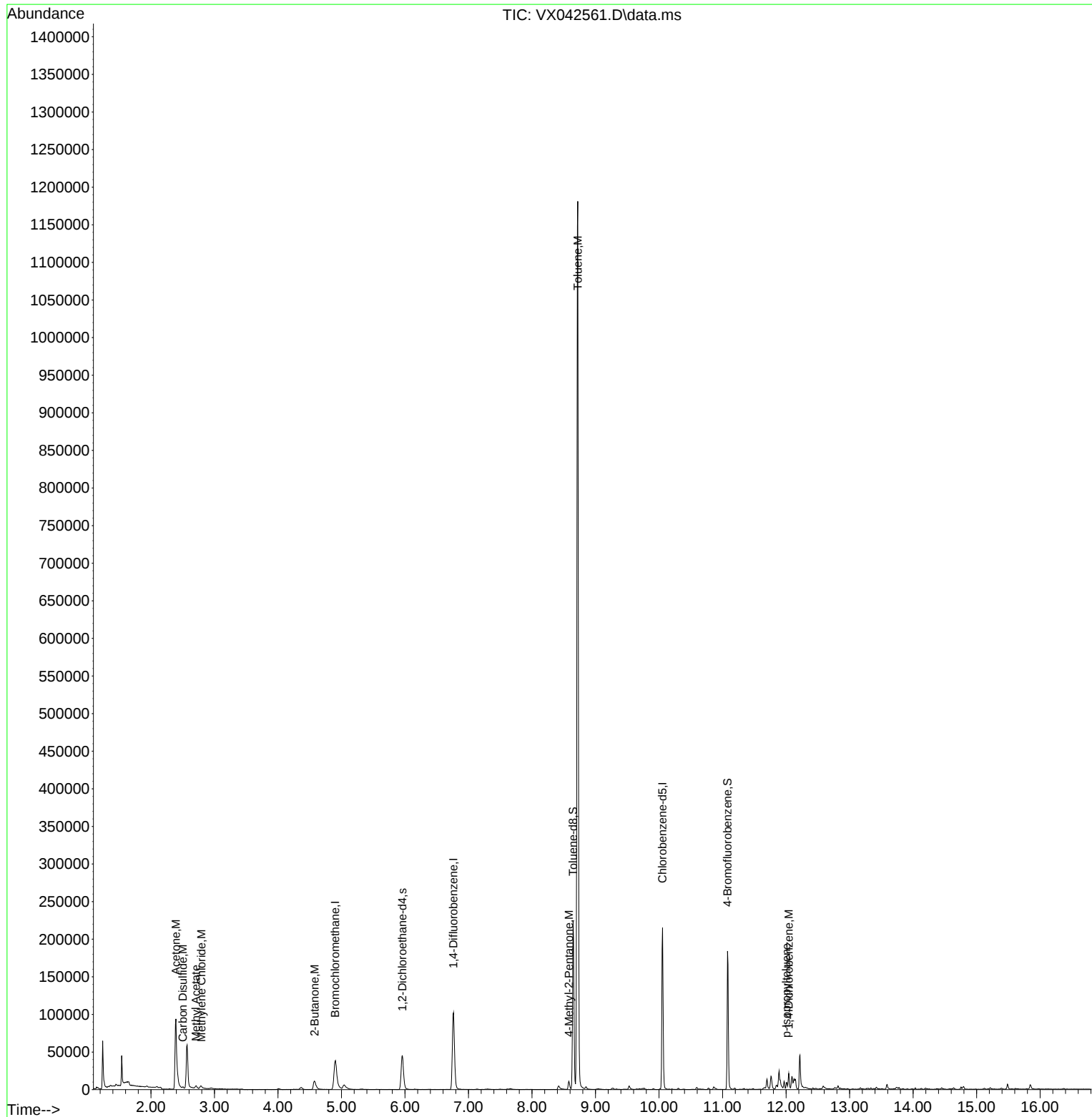
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072624\
Data File : VX042561.D
Acq On : 25 Jul 2024 12:21
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Sample : P3355-02
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ALS Vial : 8 Sample Multiplier: 1

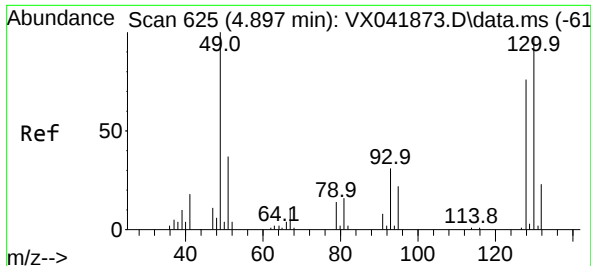
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

Manual Integrations
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Reviewed By : John Carlone 07/26/2024
Supervised By : Mahesh Dadoda 07/26/2024

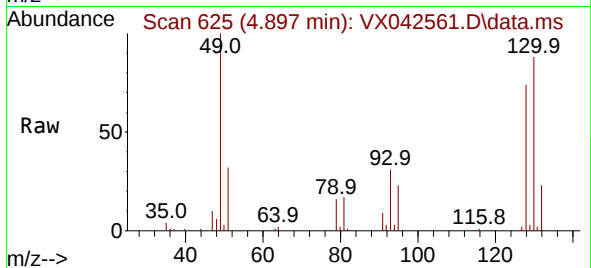
Quant Time: Jul 26 01:35:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 11:30:14 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21

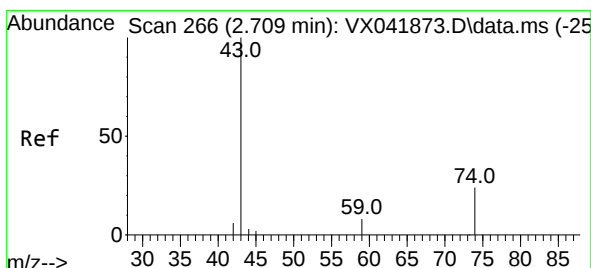
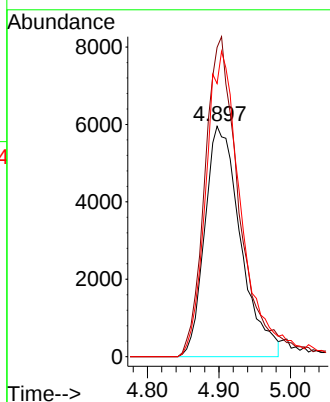
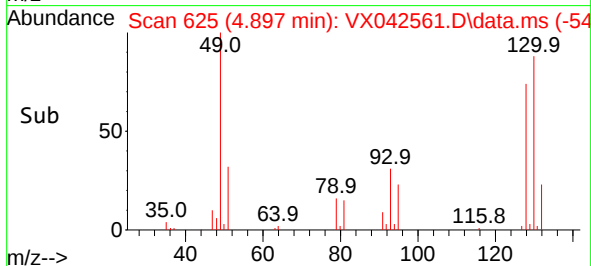
Instrument :
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ClientSampleId :
002-35TH-AVE(JUNE)



Tgt Ion:128 Resp: 20714
Ion Ratio Lower Upper
128 100
49 133.5 0.0 338.5
130 131.8 0.0 324.5

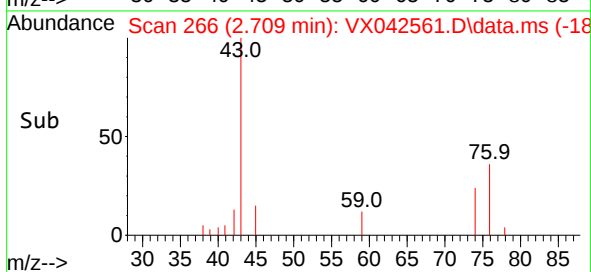
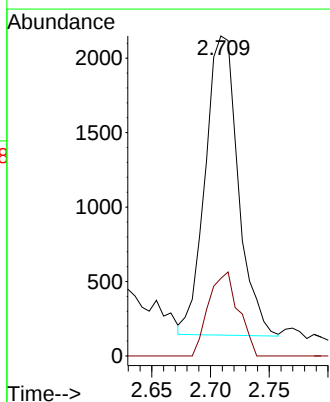
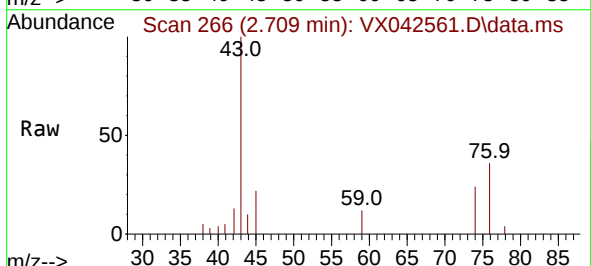
Manual Integrations
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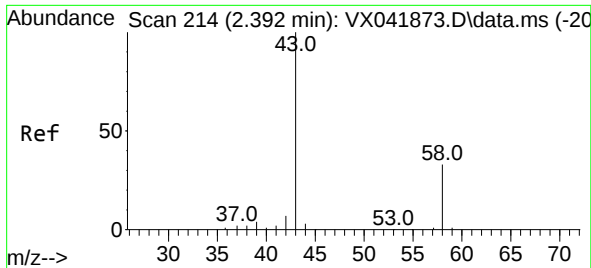
Reviewed By :John Carlone 07/26/2024
Supervised By :Mahesh Dadoda 07/26/2024



#12
Methyl Acetate
Concen: 1.974 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21

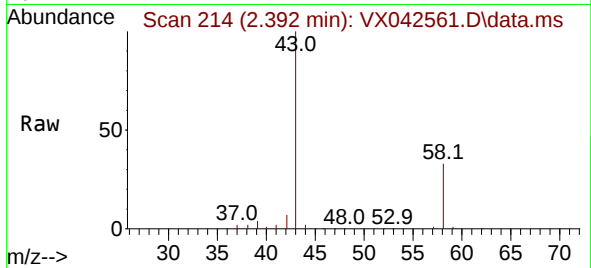
Tgt Ion: 43 Resp: 3919
Ion Ratio Lower Upper
43 100
74 26.4 19.4 29.2





#15
Acetone
Concen: 161.131 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21

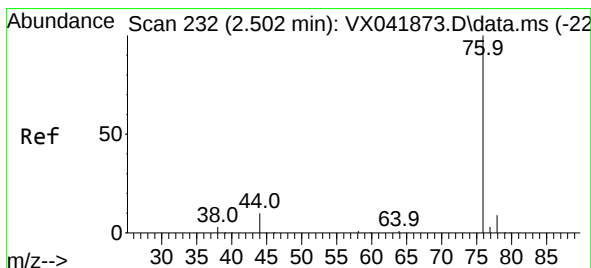
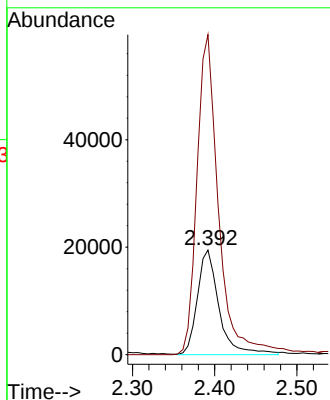
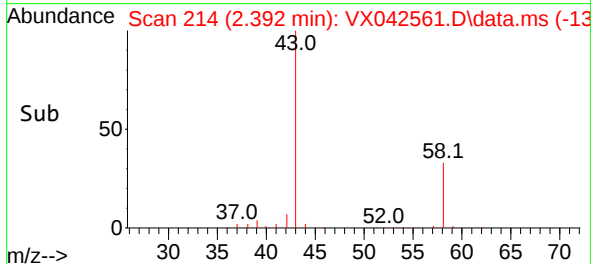
Instrument :
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002-35TH-AVE(JUNE)



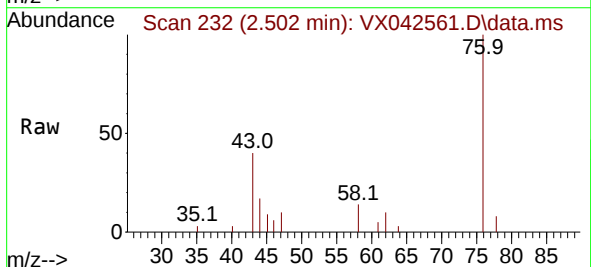
Tgt Ion: 58 Resp: 35728
Ion Ratio Lower Upper
58 100
43 306.1 243.4 365.2

Manual Integrations
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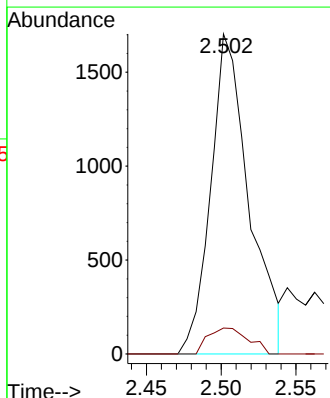
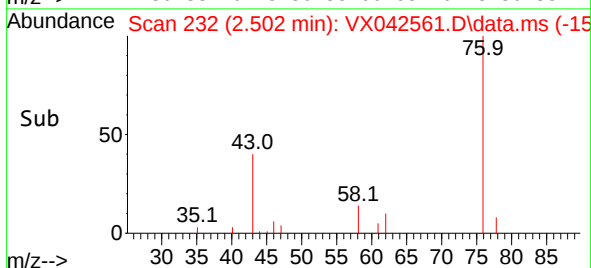
Reviewed By :John Carlone 07/26/2024
Supervised By :Mahesh Dadoda 07/26/2024

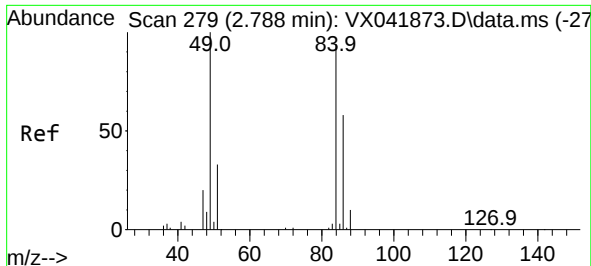


#16
Carbon Disulfide
Concen: 1.272 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21



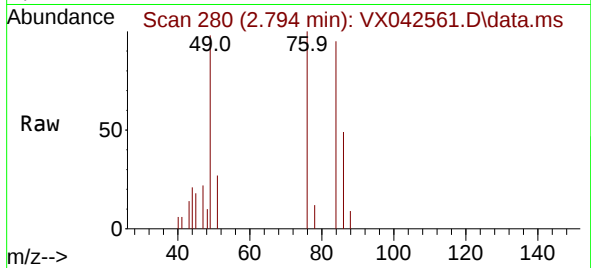
Tgt Ion: 76 Resp: 3037
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9





#18
Methylene Chloride
Concen: 1.517 ug/l m
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21

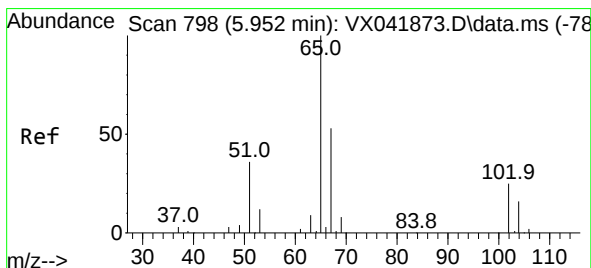
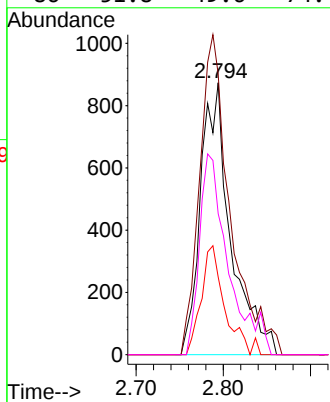
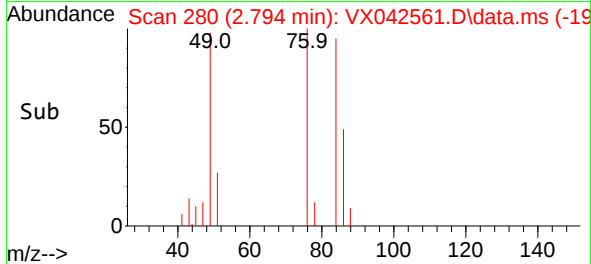
Instrument :
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Tgt Ion:	84	Resp:	209
Ion	Ratio	Lower	Upper
84	100		
49	103.1	85.3	127.9
51	28.5	28.5	42.7
86	51.8	49.6	74.4

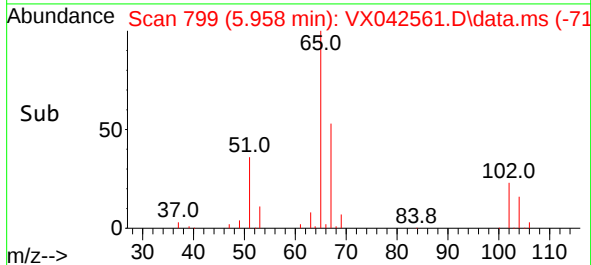
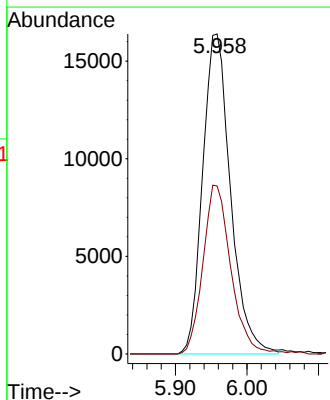
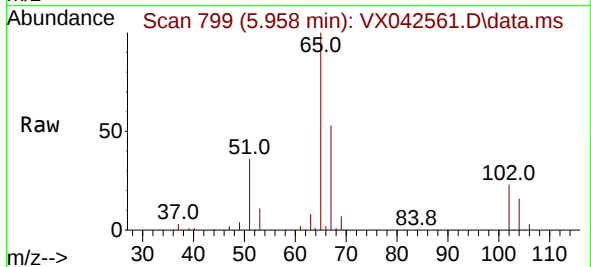
Manual Integrations
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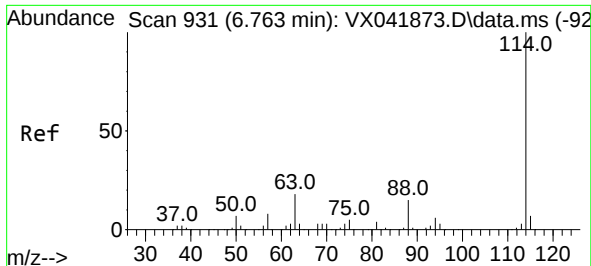
Reviewed By :John Carlone 07/26/2024
Supervised By :Mahesh Dadoda 07/26/2024



#27
1,2-Dichloroethane-d4
Concen: 29.911 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21

Tgt Ion:	65	Resp:	44380
Ion	Ratio	Lower	Upper
65	100		
67	52.8	43.4	65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX042561.D

Acq: 25 Jul 2024 12:21

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)

Tgt Ion:114 Resp: 11481

Ion Ratio Lower Upper

114 100

63 17.7 14.6 21.8

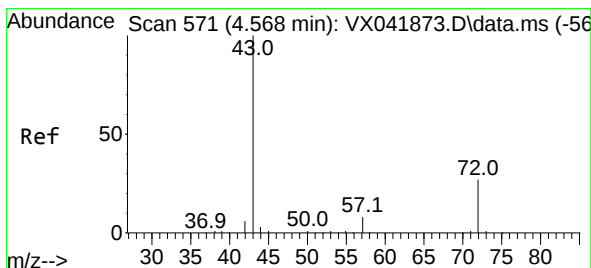
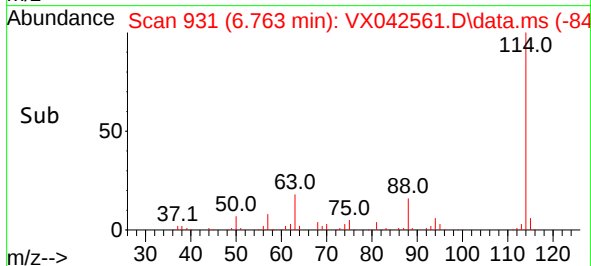
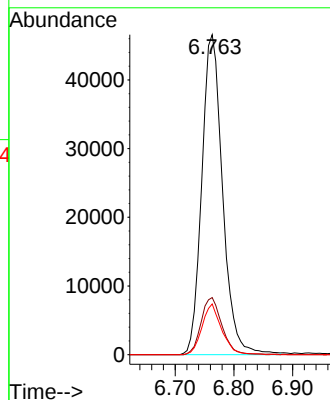
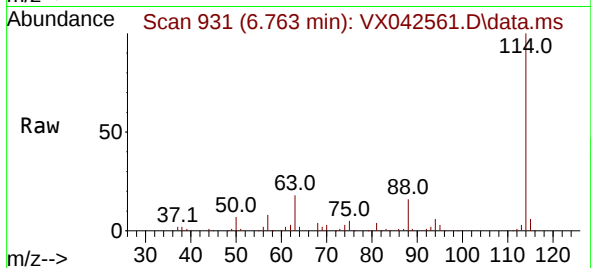
88 14.9 11.8 17.8

Manual Integrations

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Reviewed By :John Carlone 07/26/2024

Supervised By :Mahesh Dadoda 07/26/2024



#30

2-Butanone

Concen: 22.165 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX042561.D

Acq: 25 Jul 2024 12:21

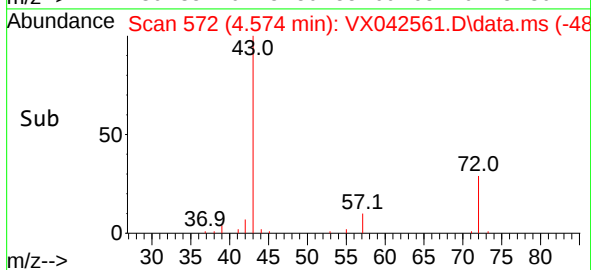
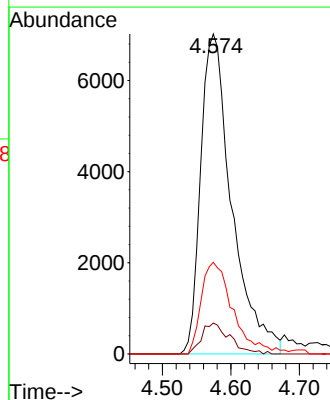
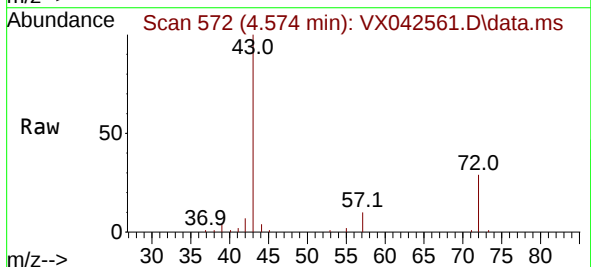
Tgt Ion: 43 Resp: 22155

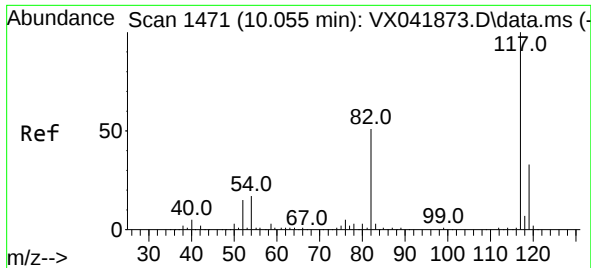
Ion Ratio Lower Upper

43 100

57 8.5 6.5 9.7

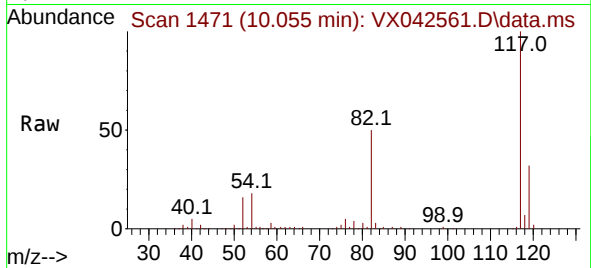
72 28.7 22.0 33.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21

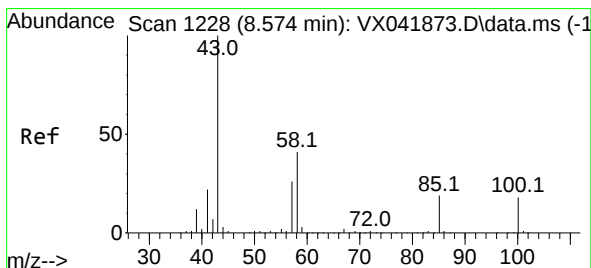
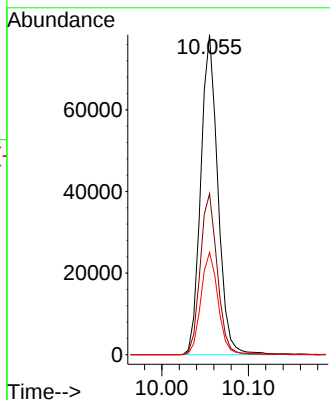
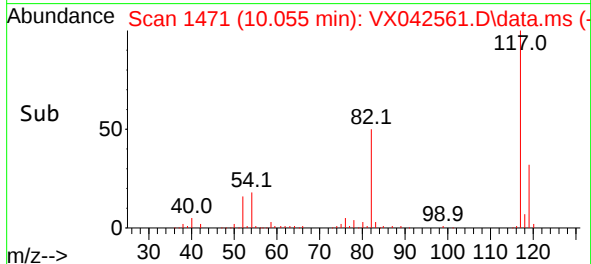
Instrument :
MSVOA_X
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Tgt Ion: 117 Resp: 10736
Ion Ratio Lower Upper
117 100
82 50.3 41.1 61.7
119 32.0 26.1 39.1

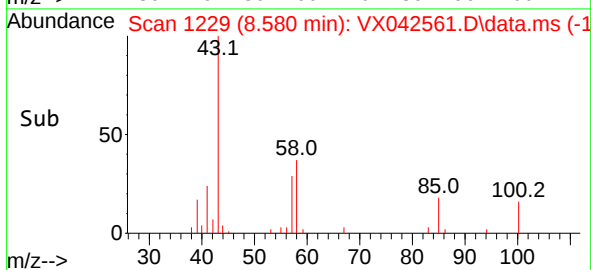
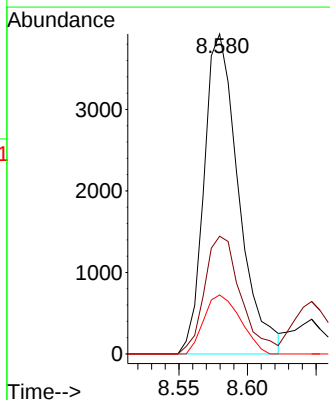
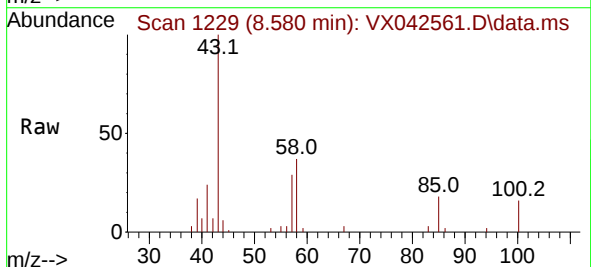
Manual Integrations
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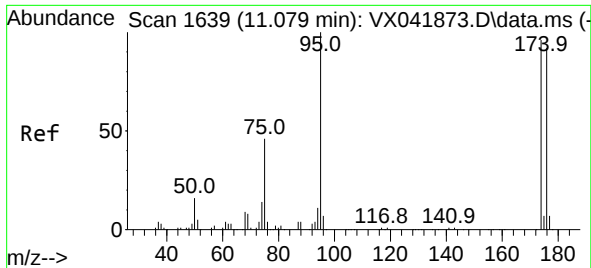
Reviewed By :John Carlone 07/26/2024
Supervised By :Mahesh Dadoda 07/26/2024



#58
4-Methyl-2-Pentanone
Concen: 3.641 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21

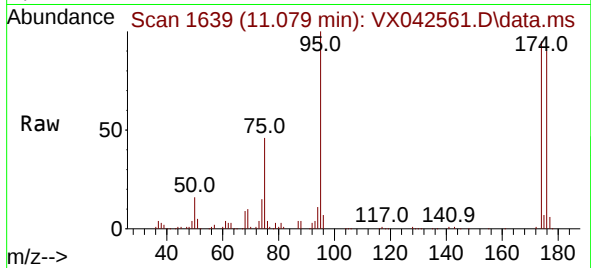
Tgt Ion: 43 Resp: 6889
Ion Ratio Lower Upper
43 100
58 38.9 33.2 49.8
85 19.5 15.5 23.3





#60
4-Bromofluorobenzene
Concen: 28.141 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21

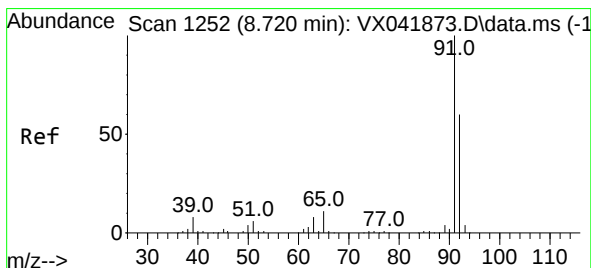
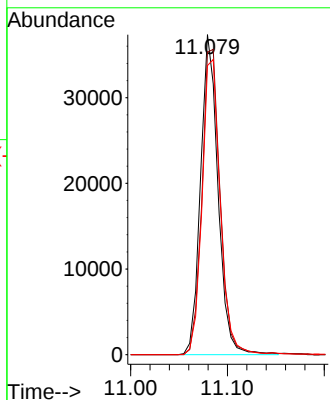
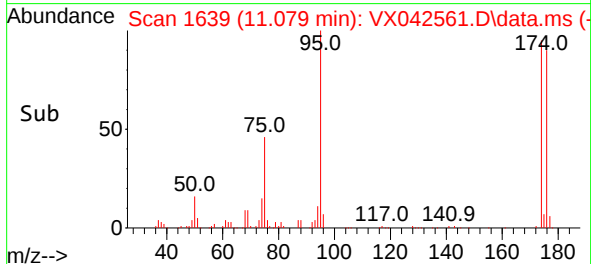
Instrument :
MSVOA_X
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002-35TH-AVE(JUNE)



Tgt Ion: 95 Resp: 47010
Ion Ratio Lower Upper
95 100
174 99.4 78.9 118.3
176 96.0 77.1 115.7

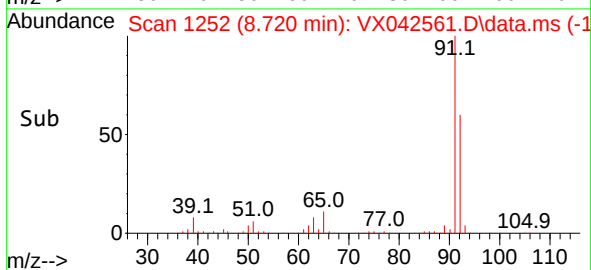
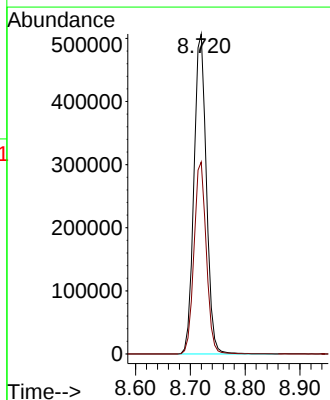
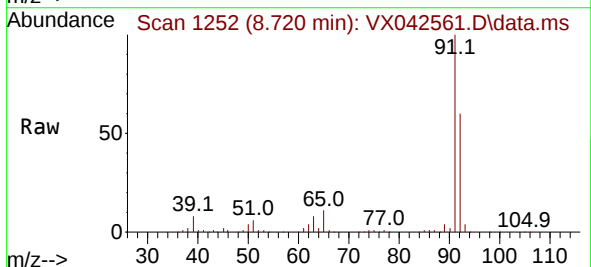
Manual Integrations
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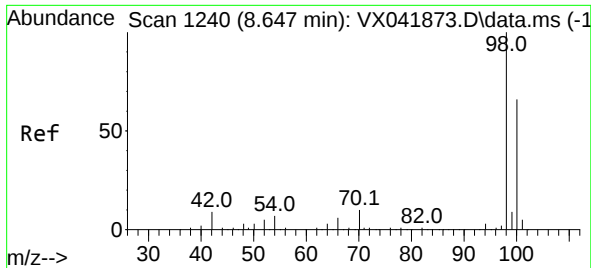
Reviewed By :John Carlone 07/26/2024
Supervised By :Mahesh Dadoda 07/26/2024



#62
Toluene
Concen: 149.221 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21

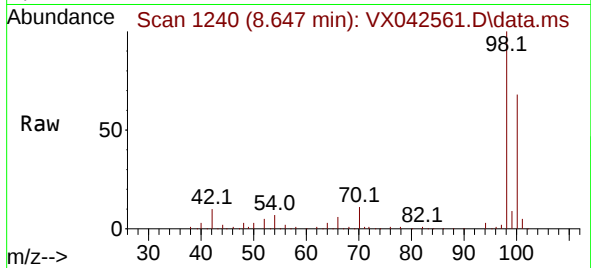
Tgt Ion: 91 Resp: 800977
Ion Ratio Lower Upper
91 100
92 59.4 47.4 71.2





#63
Toluene-d8
Concen: 29.233 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21

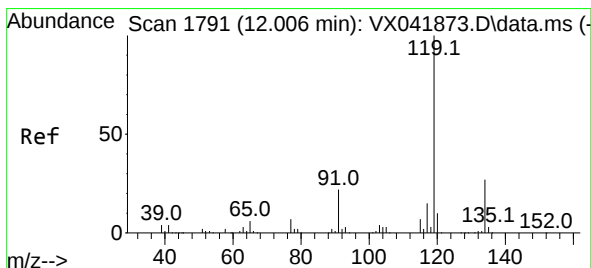
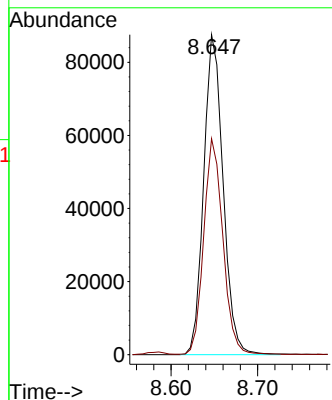
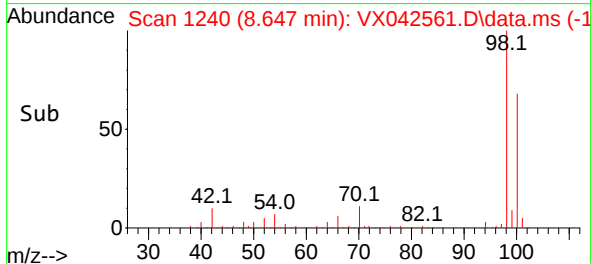
Instrument :
MSVOA_X
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002-35TH-AVE(JUNE)



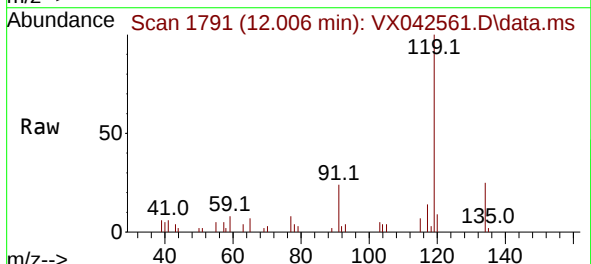
Tgt Ion: 98 Resp: 13634
Ion Ratio Lower Upper
98 100
100 66.8 52.7 79.1

Manual Integrations
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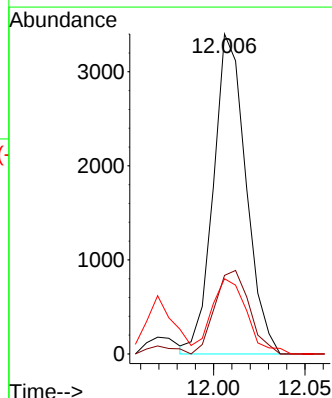
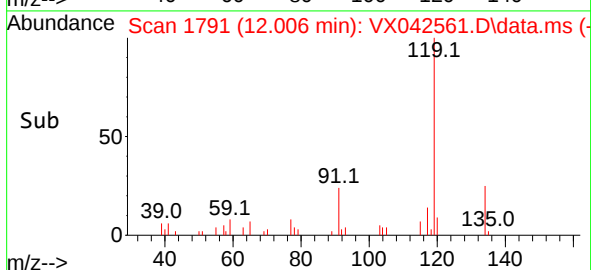
Reviewed By :John Carlone 07/26/2024
Supervised By :Mahesh Dadoda 07/26/2024

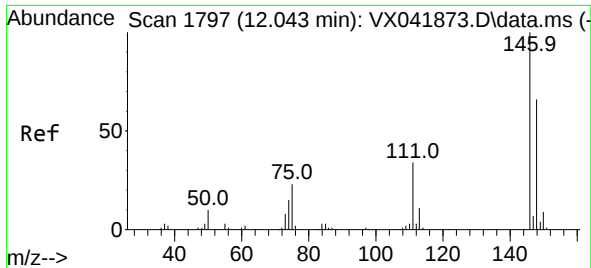


#82
p-Isopropyltoluene
Concen: 0.779 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX042561.D
Acq: 25 Jul 2024 12:21



Tgt Ion:119 Resp: 4222
Ion Ratio Lower Upper
119 100
134 27.6 0.0 54.0
91 25.4 0.0 42.2





#84

1,4-Dichlorobenzene

Concen: 1.539 ug/l

RT: 12.042 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX042561.D

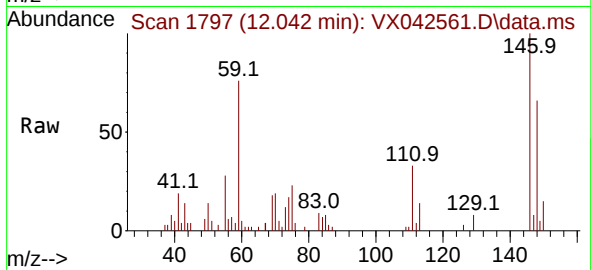
Acq: 25 Jul 2024 12:21

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)



Tgt Ion:	146	Resp:	465
Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.4	52.3
148	64.3	32.3	96.9

Manual Integrations

APPROVED

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