

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044865.D
 Acq On : 07 Feb 2025 13:48
 Operator : JC/MD
 Sample : Q1322-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MANHOLE

Quant Time: Feb 07 22:15:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/10/2025
 Supervised By : Mahesh Dadoda 02/10/2025

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

Internal Standards						
1) Bromochloromethane	4.898	128	20788	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	113802	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	102149	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58371	29.086	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.967%		
60) 4-Bromofluorobenzene	11.079	95	53540	26.985	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	89.933%		
63) Toluene-d8	8.647	98	164867	29.674	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.900%		
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	8273	37.744	ug/l	85
25) Chloroform	5.093	83	5410	1.826	ug/l	85
30) 2-Butanone	4.587	43	3614m	3.324	ug/l	
41) Bromodichloromethane	7.824	83	4224	1.747	ug/l	90
53) Dibromochloromethane	9.525	129	3185	1.768	ug/l	95

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

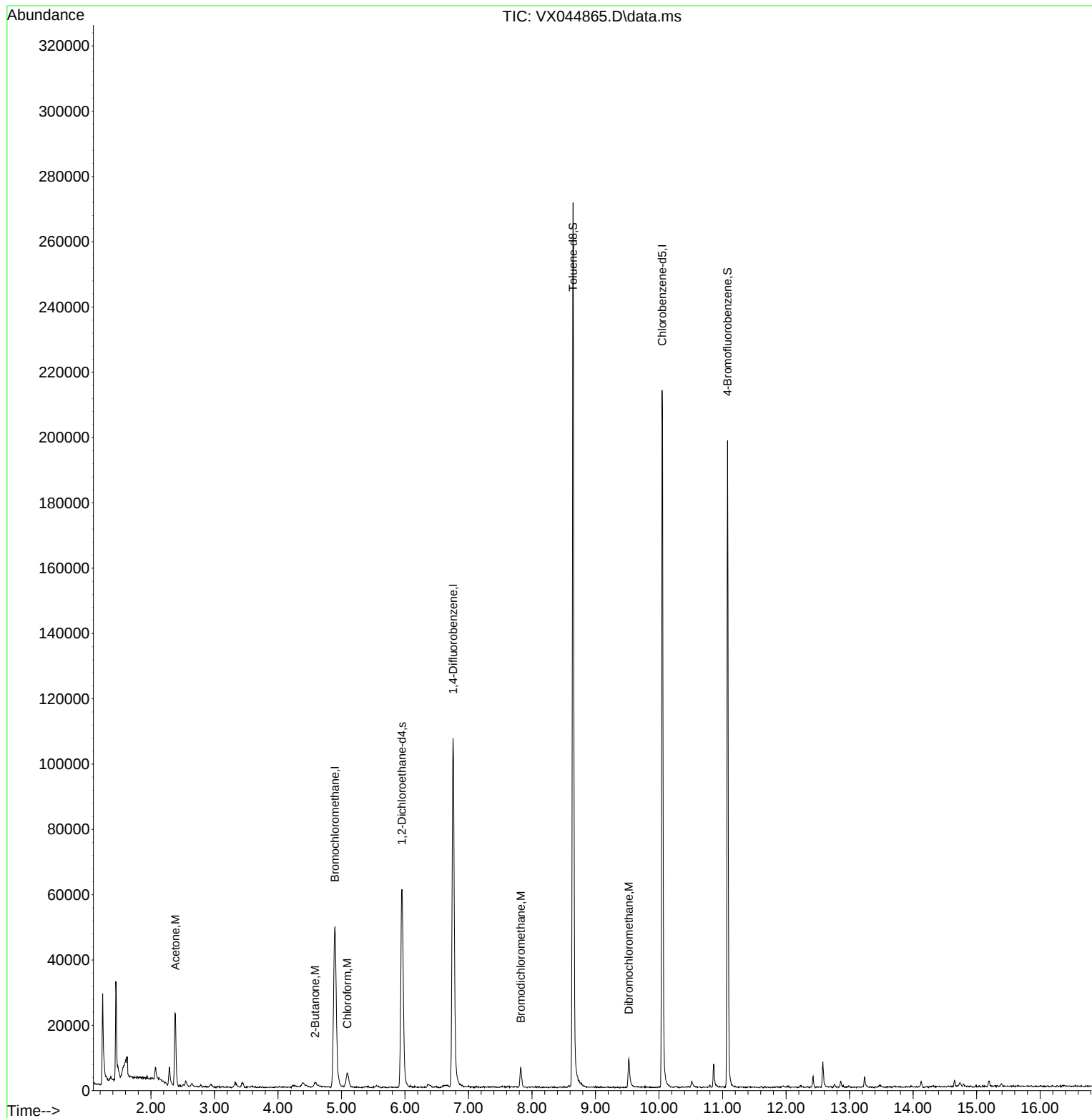
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
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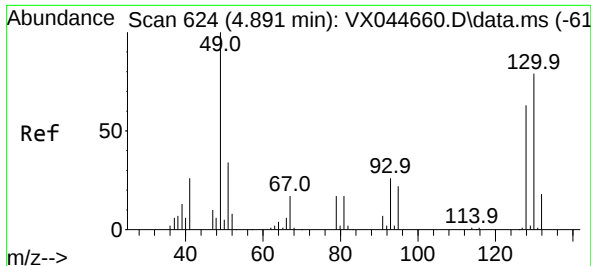
Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Quant Time: Feb 07 22:15:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
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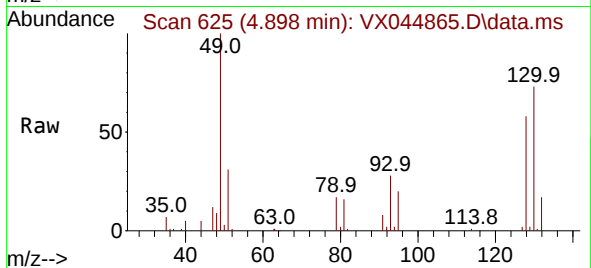
Reviewed By : John Carlone 02/10/2025
Supervised By : Mahesh Dadoda 02/10/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

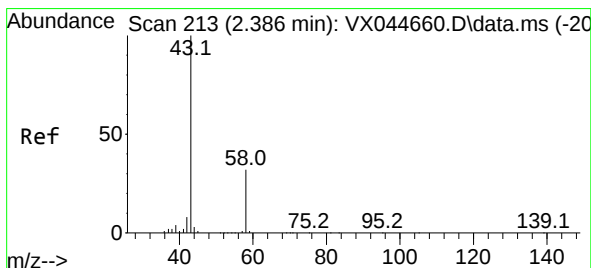
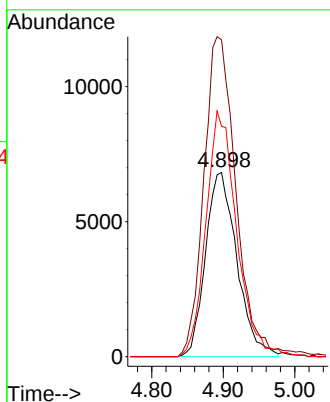
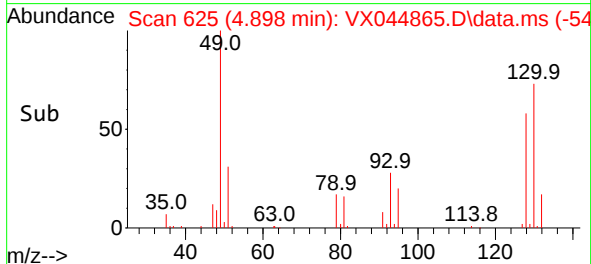
Instrument :
MSVOA_X
ClientSampleId :
MANHOLE



Tgt Ion:128 Resp: 2078
Ion Ratio Lower Upper
128 100
49 175.4 0.0 411.5
130 128.3 0.0 324.3

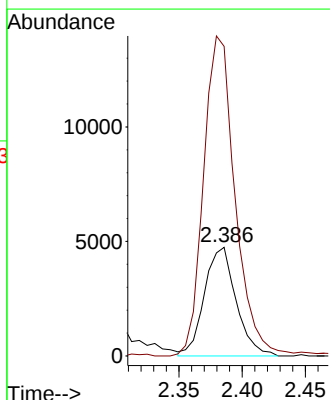
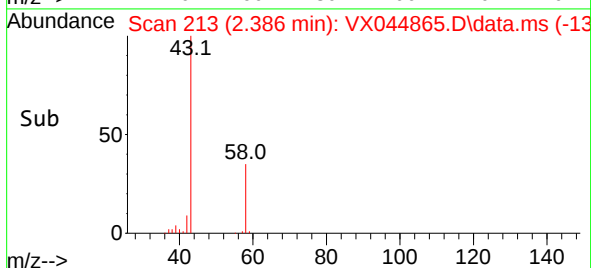
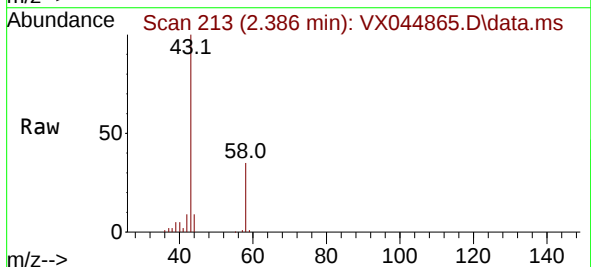
Manual Integrations
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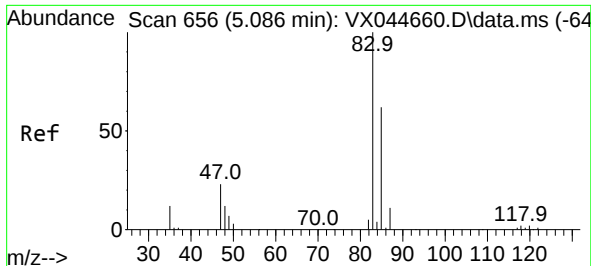
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#15
Acetone
Concen: 37.744 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

Tgt Ion: 58 Resp: 8273
Ion Ratio Lower Upper
58 100
43 283.1 251.0 376.4





#25

Chloroform

Concen: 1.826 ug/l

RT: 5.093 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX044865.D

Acq: 07 Feb 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

MANHOLE

Tgt Ion: 83 Resp: 5410

Ion Ratio Lower Upper

83 100

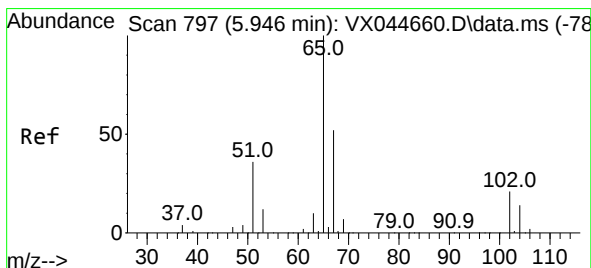
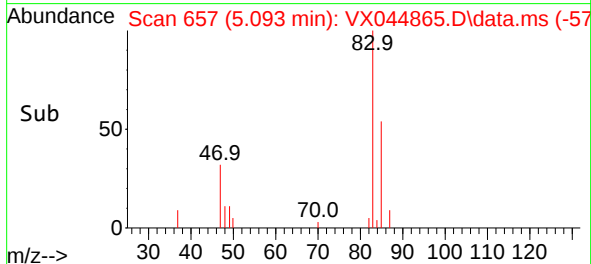
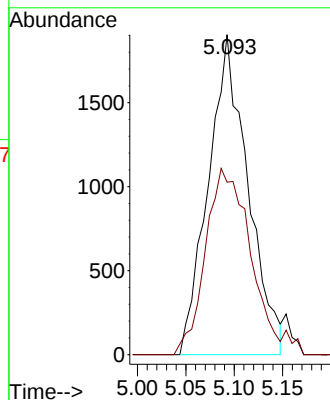
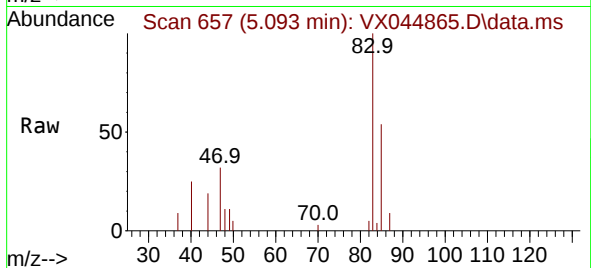
85 50.6 49.4 74.2

Manual Integrations

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Supervised By :Mahesh Dadoda 02/10/2025



#27

1,2-Dichloroethane-d4

Concen: 29.086 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX044865.D

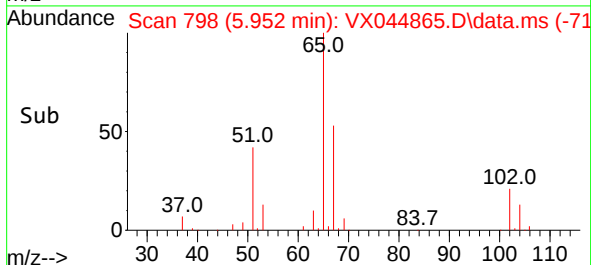
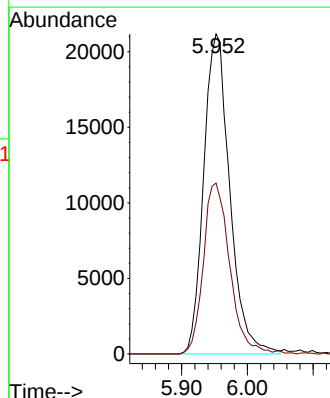
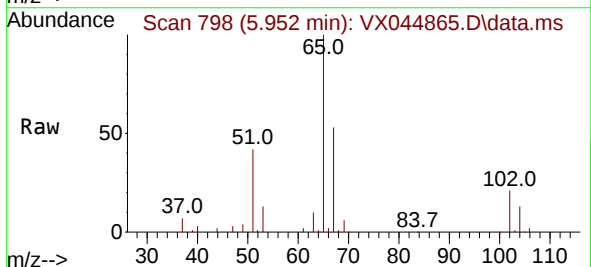
Acq: 07 Feb 2025 13:48

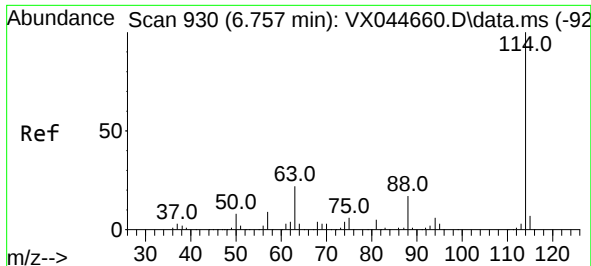
Tgt Ion: 65 Resp: 58371

Ion Ratio Lower Upper

65 100

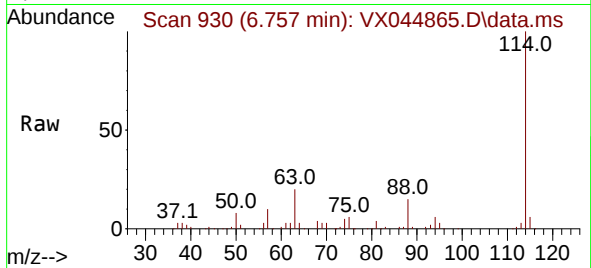
67 53.8 41.4 62.2





#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

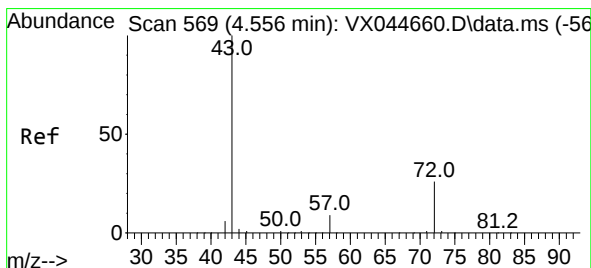
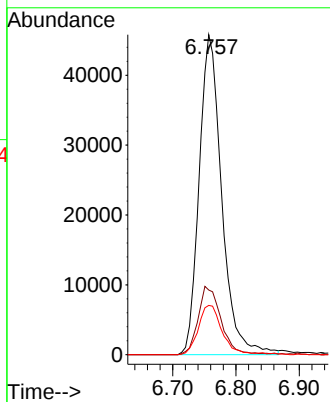
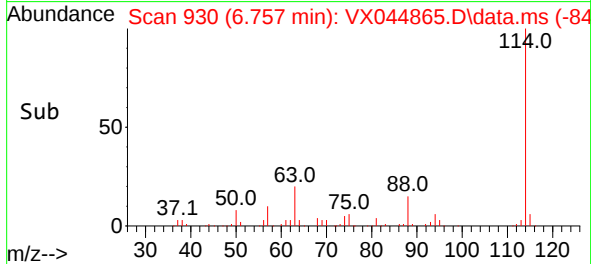
Instrument :
MSVOA_X
ClientSampleId :
MANHOLE



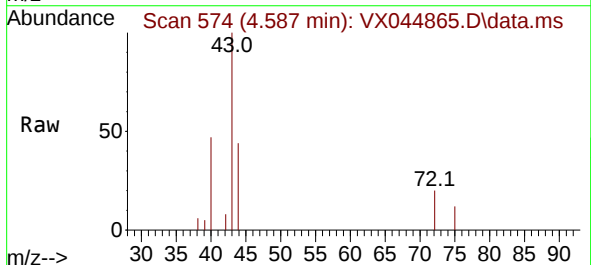
Tgt Ion:114 Resp: 11380
Ion Ratio Lower Upper
114 100
63 21.5 16.6 24.8
88 16.0 13.4 20.2

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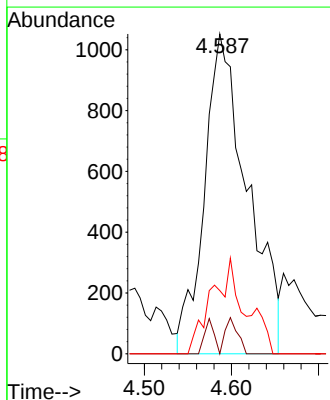
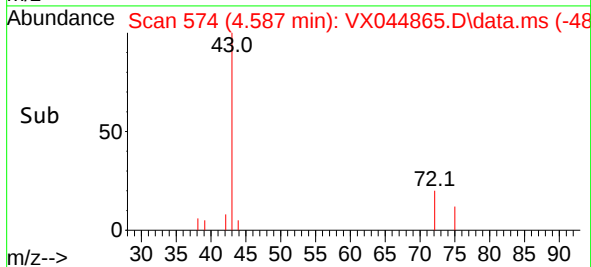
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025

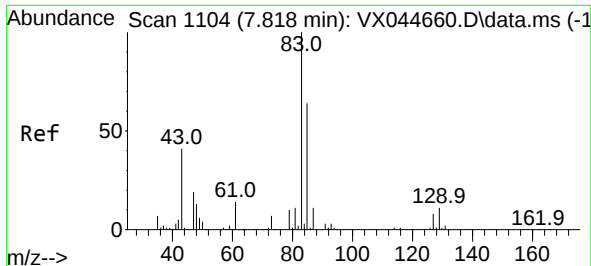


#30
2-Butanone
Concen: 3.324 ug/l m
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48



Tgt Ion: 43 Resp: 3614
Ion Ratio Lower Upper
43 100
57 0.0 6.4 9.6#
72 0.0 21.5 32.3#





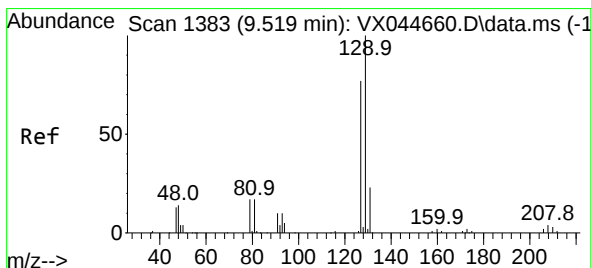
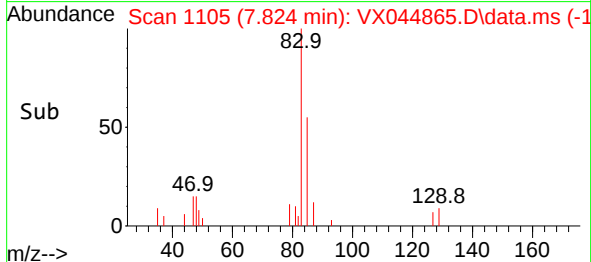
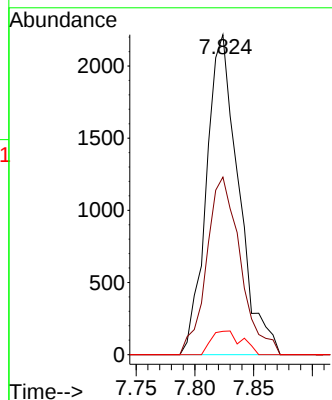
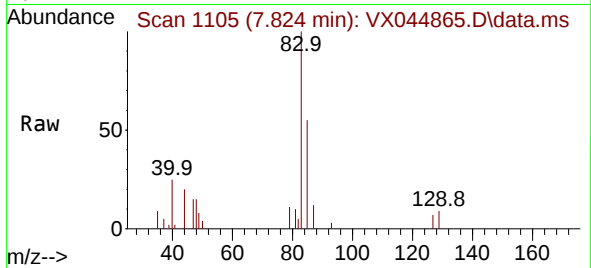
#41
Bromodichloromethane
Concen: 1.747 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion: 83 Resp: 4224
Ion Ratio Lower Upper
83 100
85 55.5 50.9 76.3
127 7.3 6.5 9.7

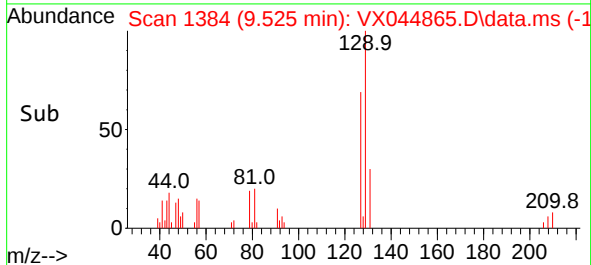
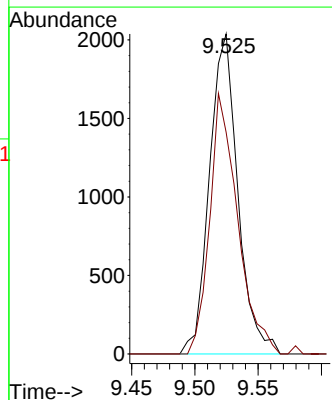
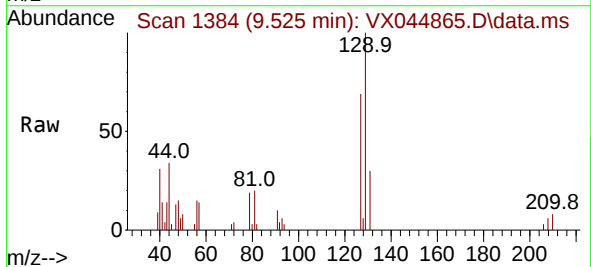
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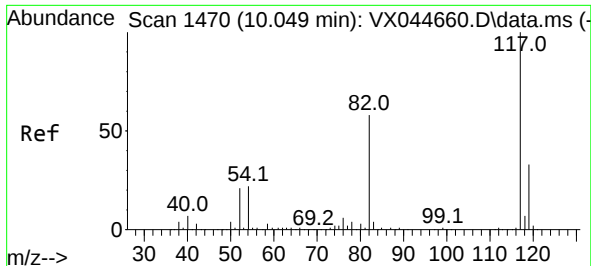
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#53
Dibromochloromethane
Concen: 1.768 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

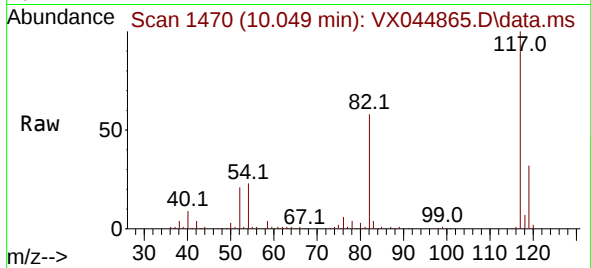
Tgt Ion:129 Resp: 3185
Ion Ratio Lower Upper
129 100
127 80.0 37.8 113.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

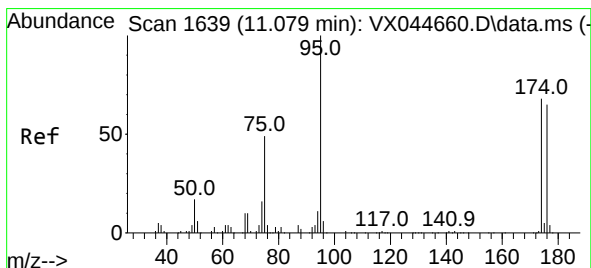
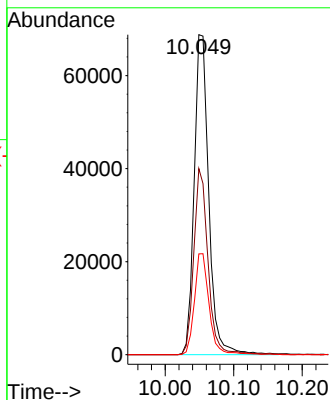
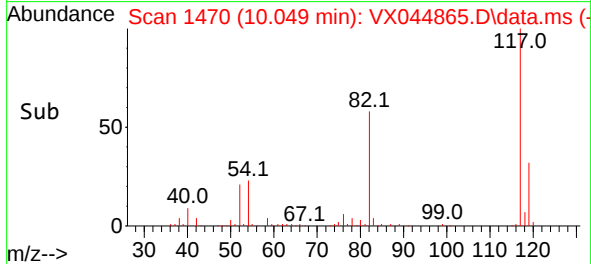
Instrument :
MSVOA_X
ClientSampleId :
MANHOLE



Tgt Ion:117 Resp: 102149
Ion Ratio Lower Upper
117 100
82 55.8 45.8 68.6
119 31.1 25.8 38.6

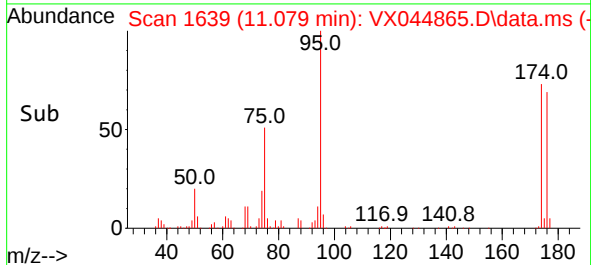
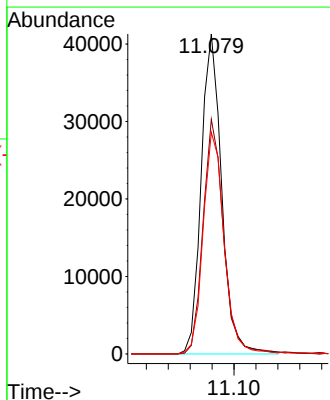
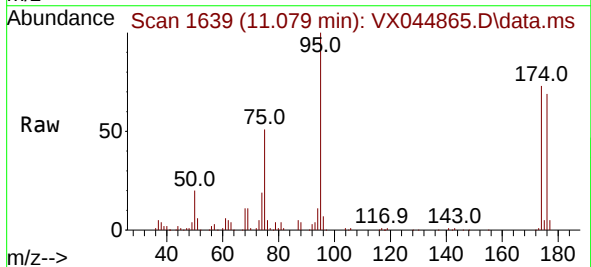
Manual Integrations
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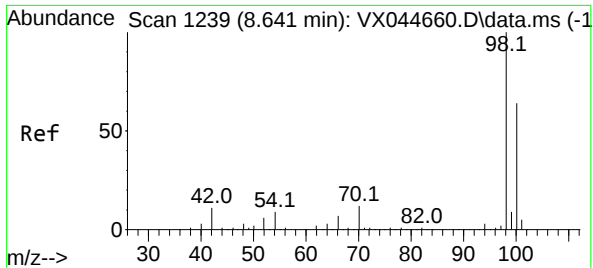
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#60
4-Bromofluorobenzene
Concen: 26.985 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

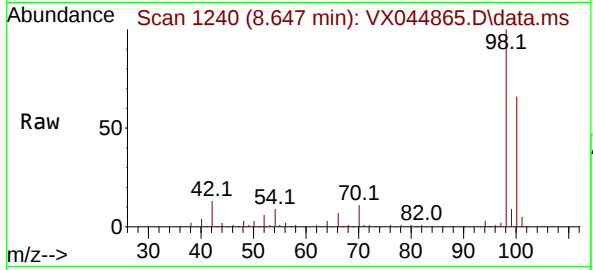
Tgt Ion: 95 Resp: 53540
Ion Ratio Lower Upper
95 100
174 73.3 54.6 81.8
176 70.9 52.8 79.2





#63
Toluene-d8
Concen: 29.674 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE



Tgt Ion: 98 Resp: 16486
Ion Ratio Lower Upper
98 100
100 65.4 53.6 80.4

Manual Integrations
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