

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046481.D
 Acq On : 03 Jun 2025 18:28
 Operator : JC/MD
 Sample : Q2168-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A3

Quant Time: Jun 04 01:32:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/04/2025
 Supervised By :Mahesh Dadoda 06/04/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	61746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123487	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61638	53.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.100%			
35) Dibromofluoromethane	5.385	113	44484	50.025	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.040%			
50) Toluene-d8	8.647	98	157342	51.122	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.240%			
62) 4-Bromofluorobenzene	11.079	95	62219	52.702	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.400%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	7287	45.097	ug/l	99
16) Acetone	2.386	43	50869	110.212	ug/l	99
18) Methyl Acetate	2.709	43	23558	21.995	ug/l	99
20) Methylene Chloride	2.788	84	3273	3.700	ug/l	90
25) 2-Butanone	4.586	43	6966	10.396	ug/l	96
37) Ethyl Acetate	4.727	43	10067	6.820	ug/l #	94
40) Benzene	6.031	78	296847	84.823	ug/l	100
43) Isopropyl Acetate	6.348	43	7441	3.304	ug/l #	91
52) Toluene	8.714	92	159208	74.192	ug/l	99
67) Ethyl Benzene	10.195	91	20262	4.526	ug/l	97
68) m/p-Xylenes	10.299	106	36333	22.188	ug/l	97
69) o-Xylene	10.640	106	21931	13.738	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	5173m	1.509	ug/l	
84) 1,2,4-Trimethylbenzene	11.750	105	21949	6.323	ug/l	80
95) Naphthalene	13.774	128	150066	40.833	ug/l	100

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

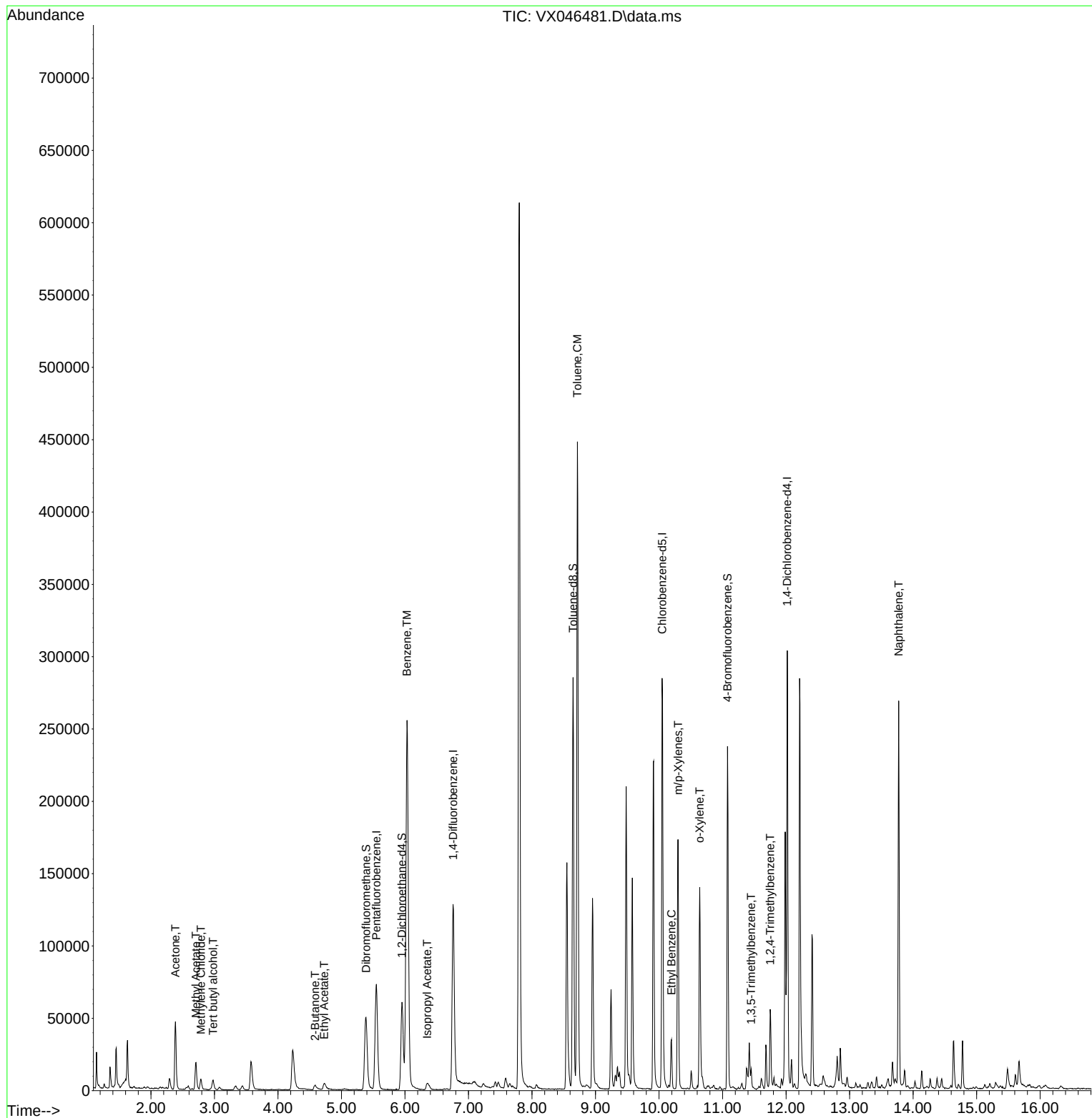
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
Data File : VX046481.D
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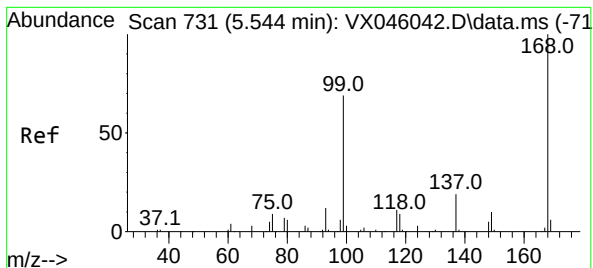
Instrument :
MSVOA_X
ClientSampleId :
A3

Quant Time: Jun 04 01:32:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX046481.D

Acq: 03 Jun 2025 18:28

Instrument :

MSVOA_X

ClientSampleId :

A3

Tgt Ion:168 Resp: 6174

Ion Ratio Lower Upper

168 100

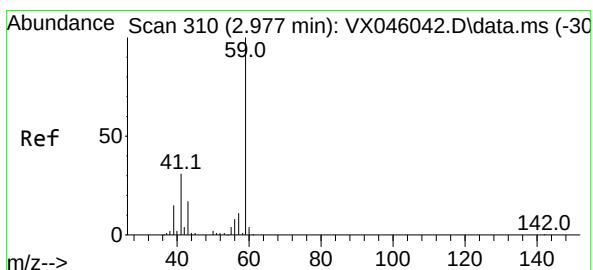
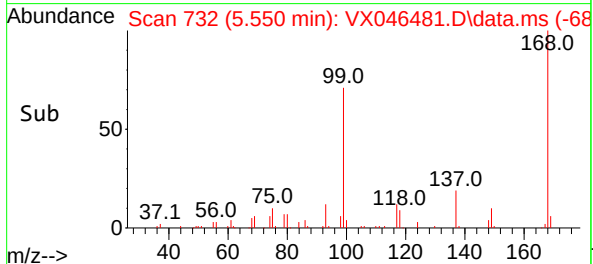
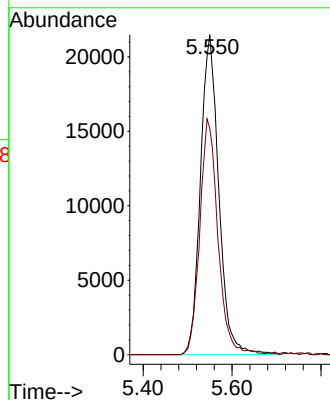
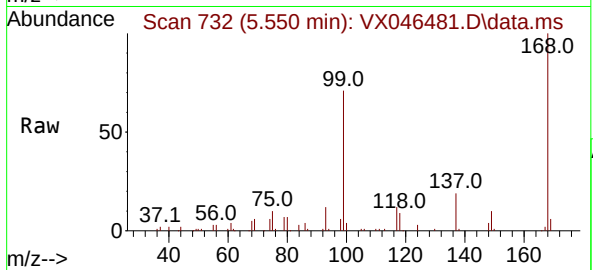
99 70.7 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025



#11

Tert butyl alcohol

Concen: 45.097 ug/l

RT: 2.977 min Scan# 310

Delta R.T. -0.000 min

Lab File: VX046481.D

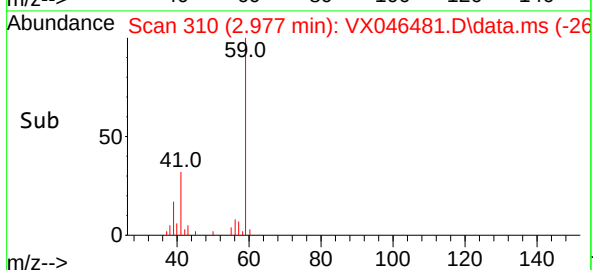
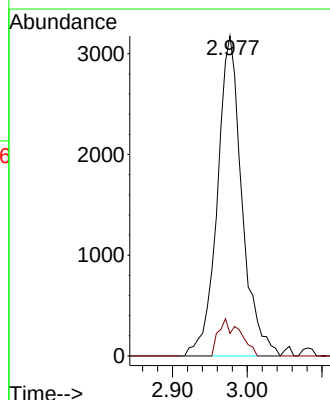
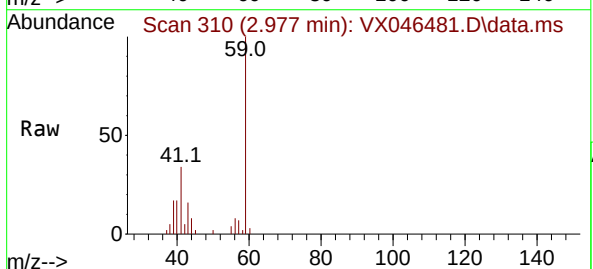
Acq: 03 Jun 2025 18:28

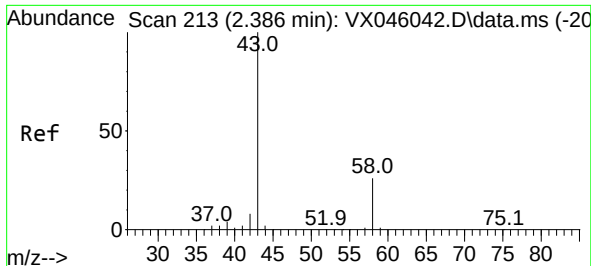
Tgt Ion: 59 Resp: 7287

Ion Ratio Lower Upper

59 100

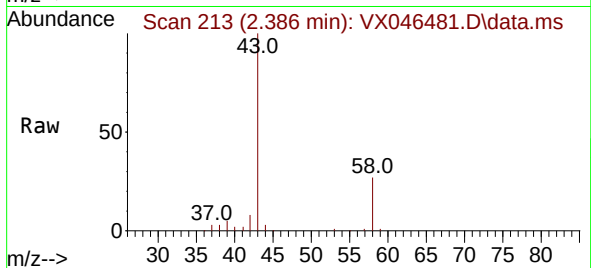
57 10.1 8.6 12.8





#16
Acetone
Concen: 110.212 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

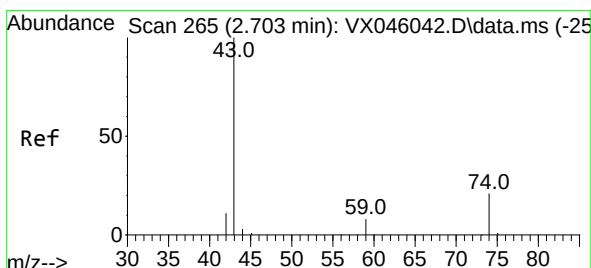
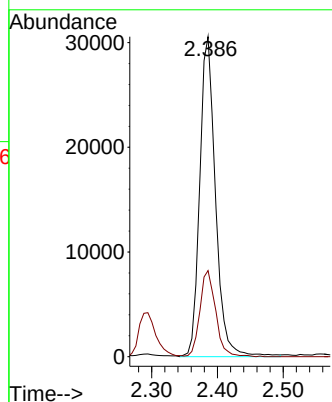
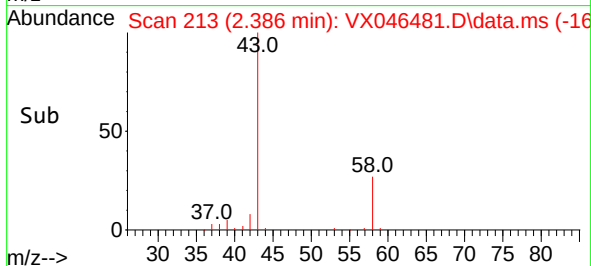
Instrument :
MSVOA_X
ClientSampleId :
A3



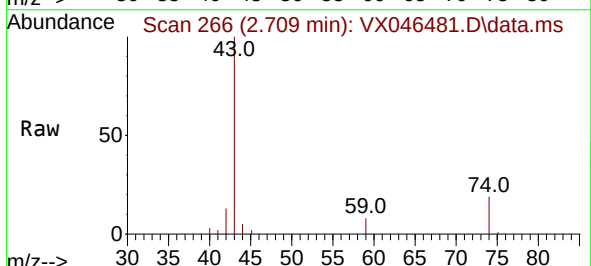
Tgt Ion: 43 Resp: 50869
Ion Ratio Lower Upper
43 100
58 26.9 21.2 31.8

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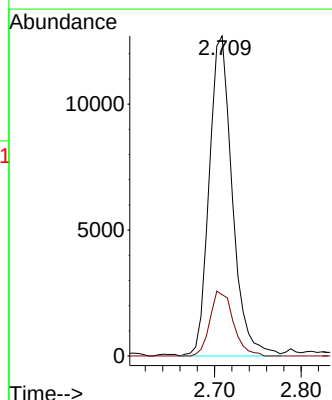
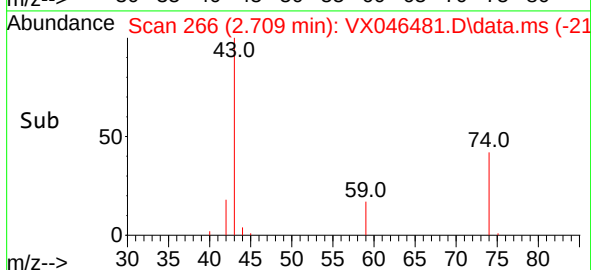
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

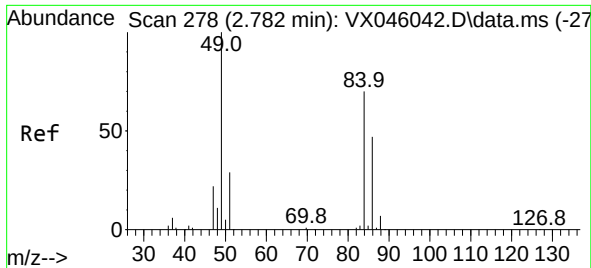


#18
Methyl Acetate
Concen: 21.995 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28



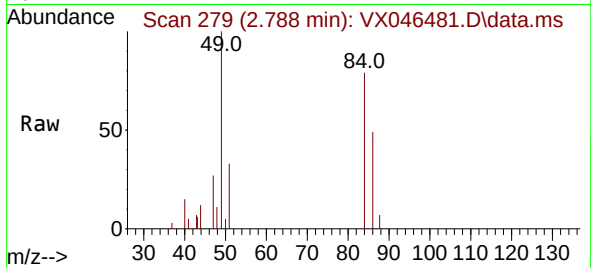
Tgt Ion: 43 Resp: 23558
Ion Ratio Lower Upper
43 100
74 20.4 16.7 25.1





#20
Methylene Chloride
Concen: 3.700 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

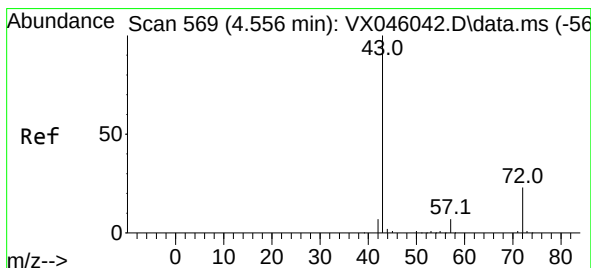
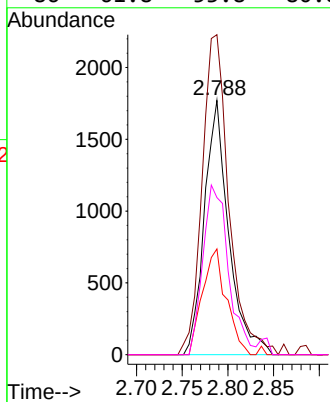
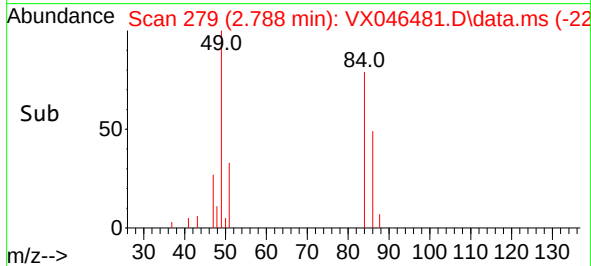
Instrument :
MSVOA_X
ClientSampleId :
A3



Tgt Ion: 84 Resp: 327
Ion Ratio Lower Upper
84 100
49 125.9 113.9 170.9
51 41.6 33.5 50.3
86 61.8 53.8 80.8

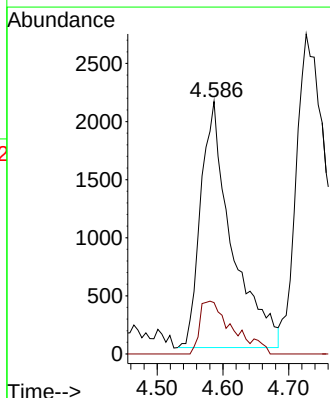
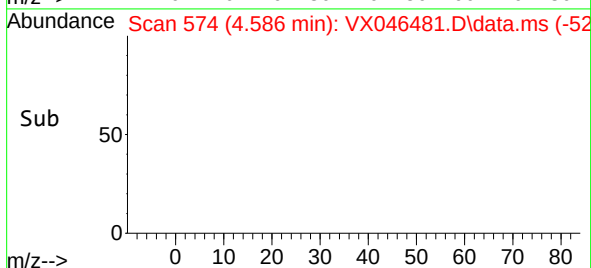
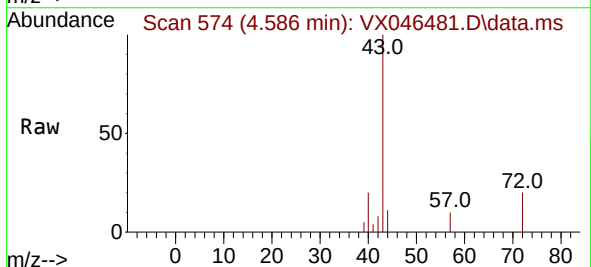
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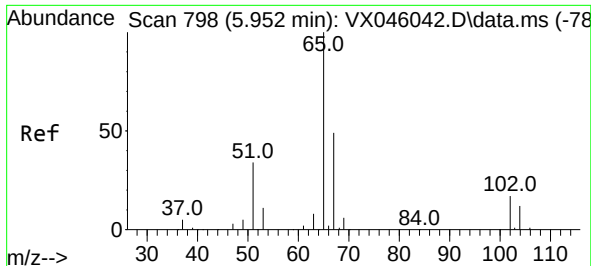
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#25
2-Butanone
Concen: 10.396 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

Tgt Ion: 43 Resp: 6966
Ion Ratio Lower Upper
43 100
72 20.9 18.4 27.6





#33

1,2-Dichloroethane-d4

Concen: 53.545 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046481.D

Acq: 03 Jun 2025 18:28

Instrument :

MSVOA_X

ClientSampleId :

A3

Tgt Ion: 65 Resp: 61638

Ion Ratio Lower Upper

65 100

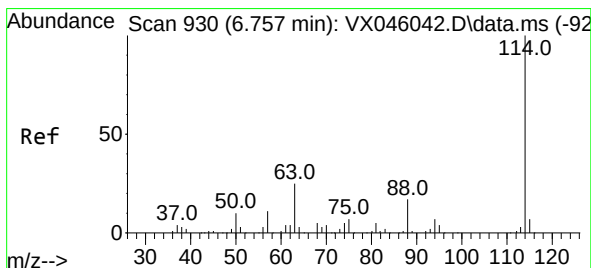
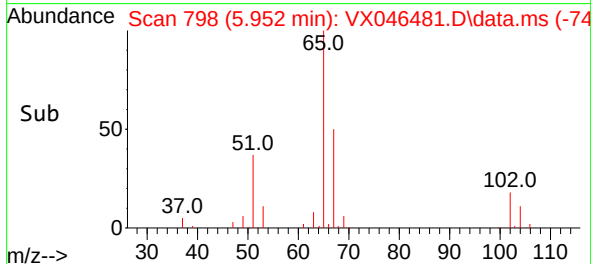
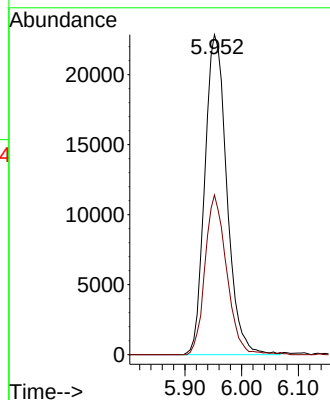
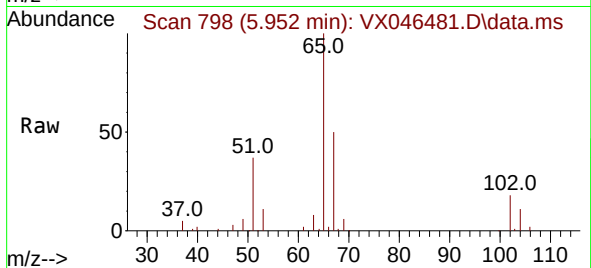
67 48.9 0.0 99.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046481.D

Acq: 03 Jun 2025 18:28

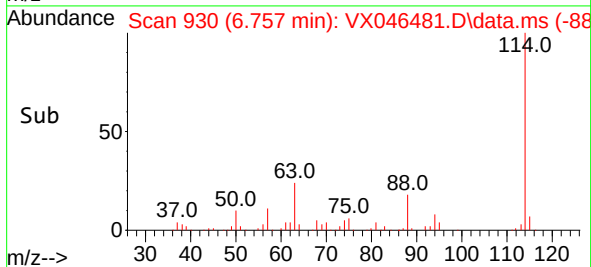
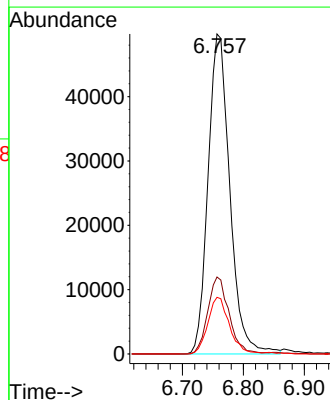
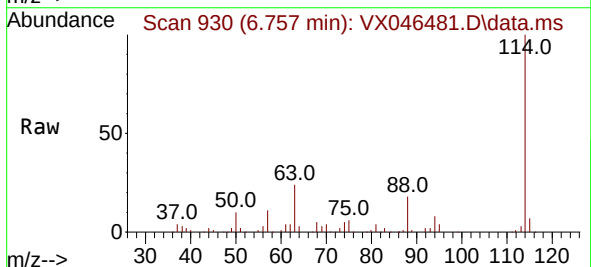
Tgt Ion:114 Resp: 123487

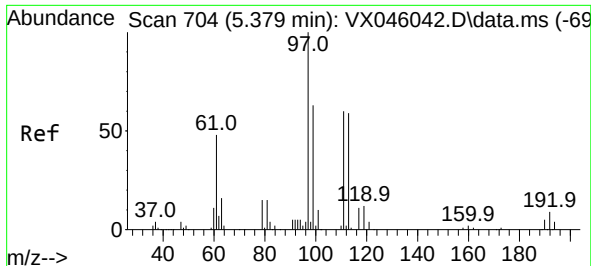
Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.2

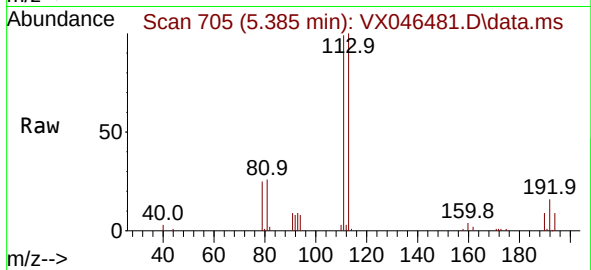
88 17.7 0.0 33.6





#35
Dibromofluoromethane
Concen: 50.025 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

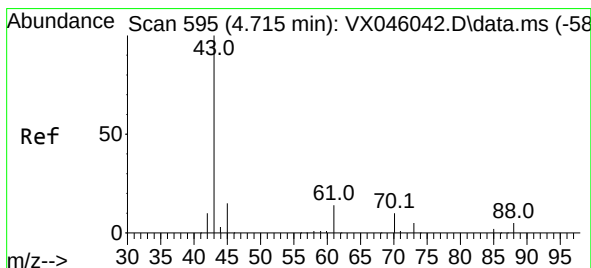
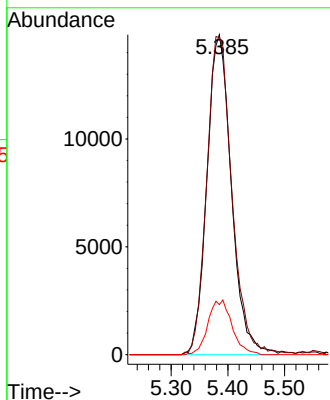
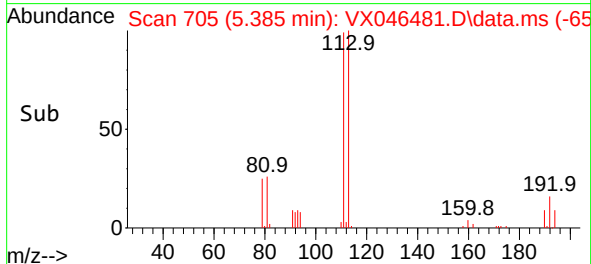
Instrument :
MSVOA_X
ClientSampleId :
A3



Tgt Ion: 113 Resp: 44484
Ion Ratio Lower Upper
113 100
111 102.6 83.1 124.7
192 16.8 13.3 19.9

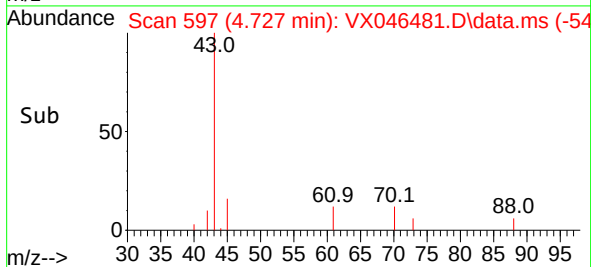
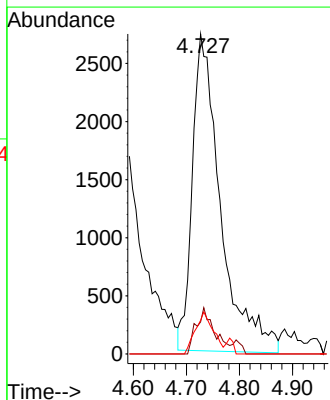
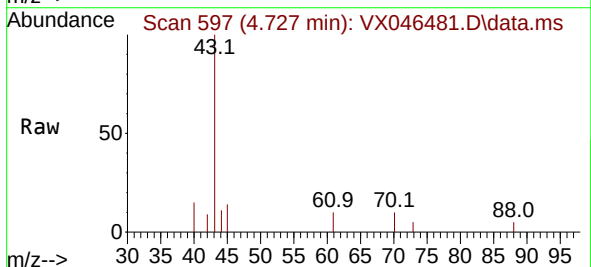
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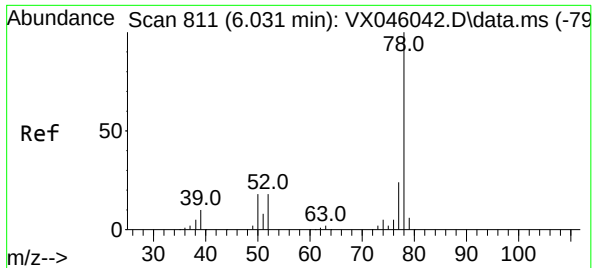
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#37
Ethyl Acetate
Concen: 6.820 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

Tgt Ion: 43 Resp: 10067
Ion Ratio Lower Upper
43 100
61 9.5 10.3 15.5#
70 8.5 7.9 11.9





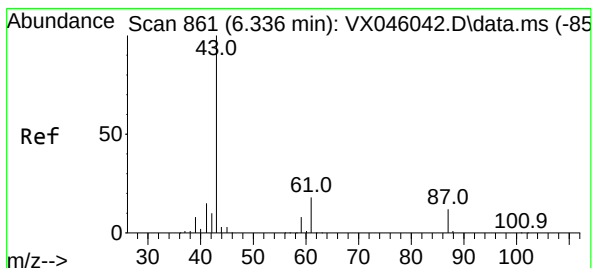
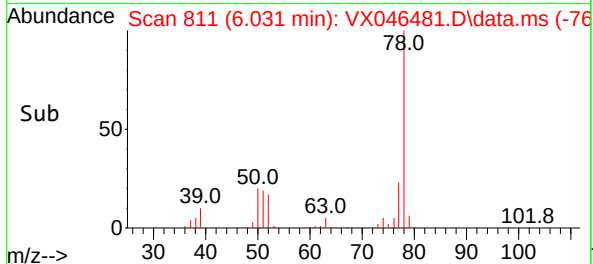
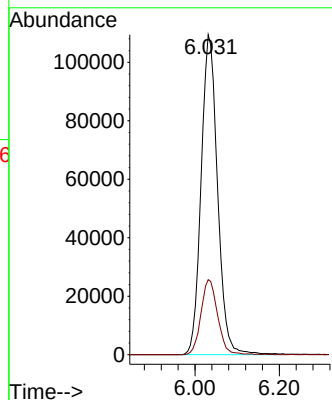
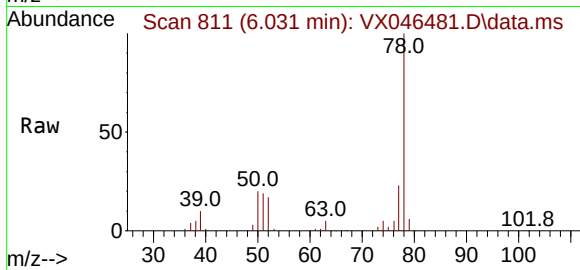
#40
Benzene
Concen: 84.823 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

Instrument :
MSVOA_X
ClientSampleId :
A3

Tgt Ion: 78 Resp: 29684
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

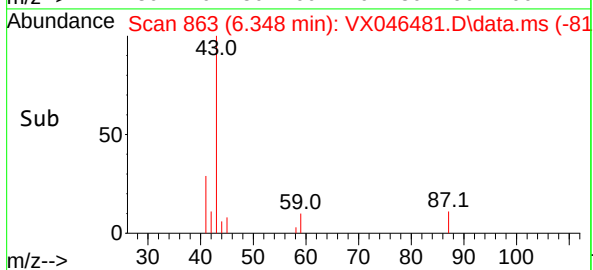
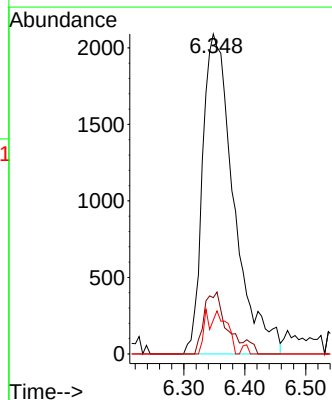
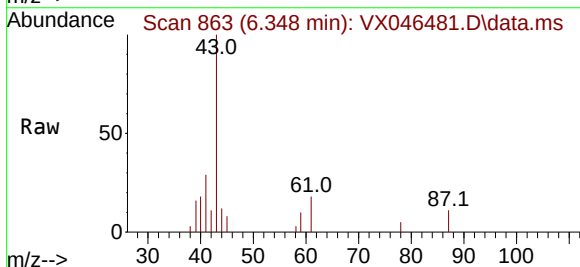
Manual Integrations
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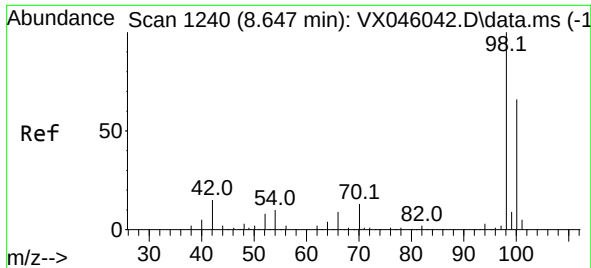
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#43
Isopropyl Acetate
Concen: 3.304 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

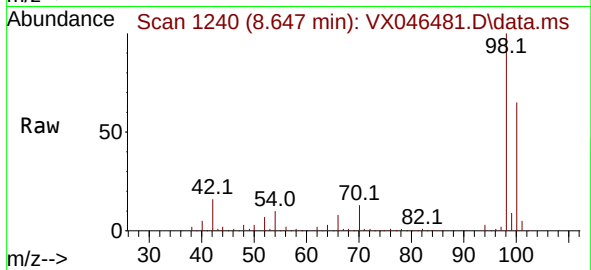
Tgt Ion: 43 Resp: 7441
Ion Ratio Lower Upper
43 100
61 13.6 14.3 21.5#
87 8.8 9.5 14.3#





#50
Toluene-d8
Concen: 51.122 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

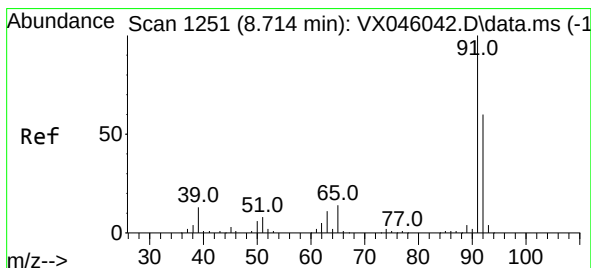
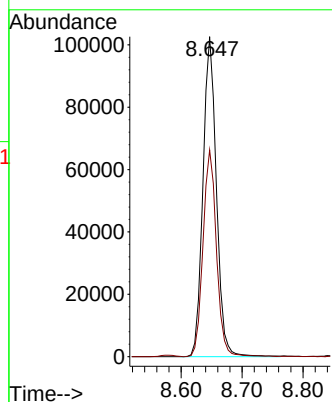
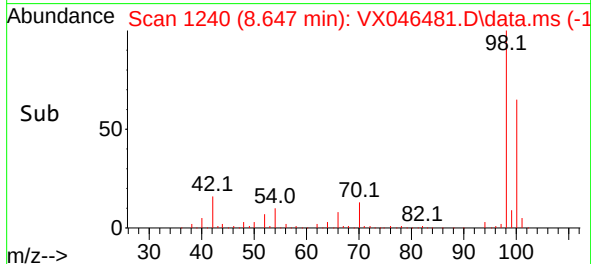
Instrument :
MSVOA_X
ClientSampleId :
A3



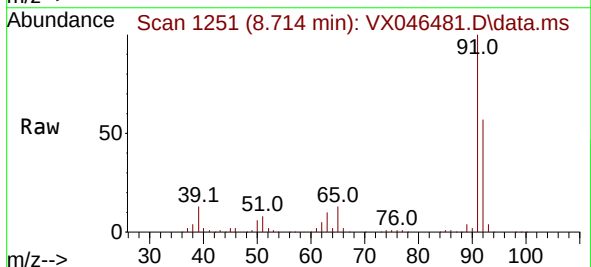
Tgt Ion: 98 Resp: 15734
Ion Ratio Lower Upper
98 100
100 64.7 53.5 80.3

Manual Integrations
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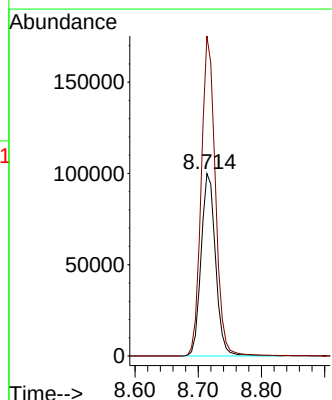
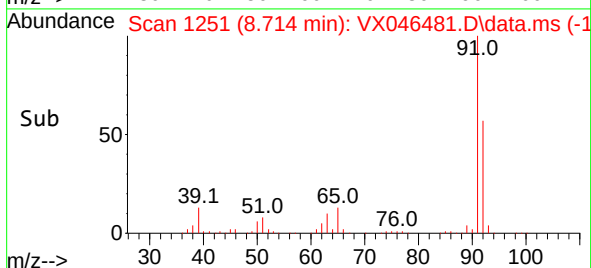
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

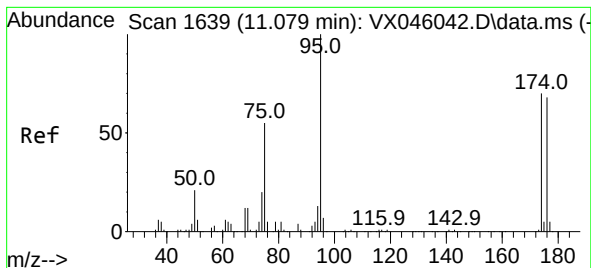


#52
Toluene
Concen: 74.192 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28



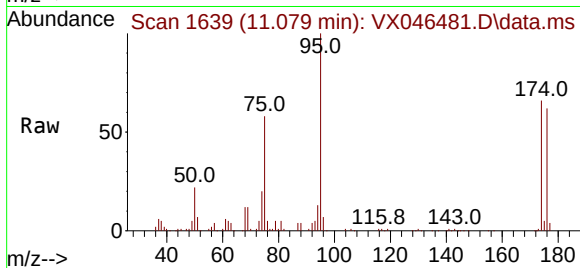
Tgt Ion: 92 Resp: 159208
Ion Ratio Lower Upper
92 100
91 172.1 136.6 205.0





#62
4-Bromofluorobenzene
Concen: 52.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

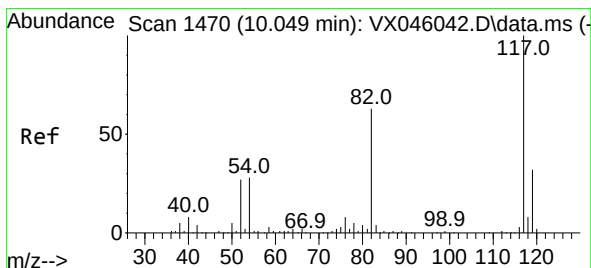
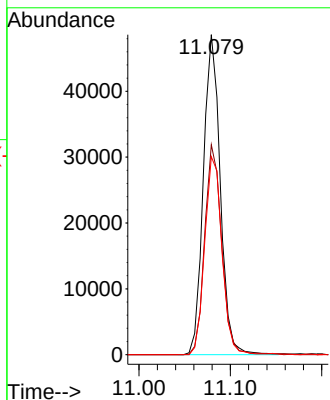
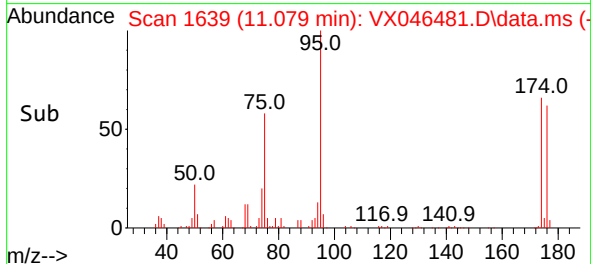
Instrument :
MSVOA_X
ClientSampleId :
A3



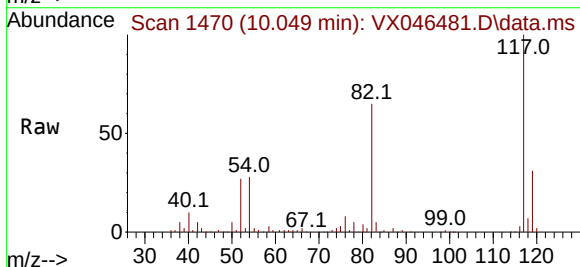
Tgt Ion: 95 Resp: 62219
Ion Ratio Lower Upper
95 100
174 66.2 0.0 135.8
176 63.3 0.0 131.4

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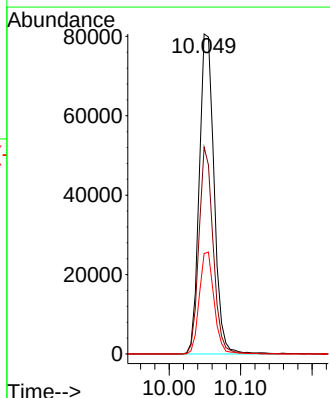
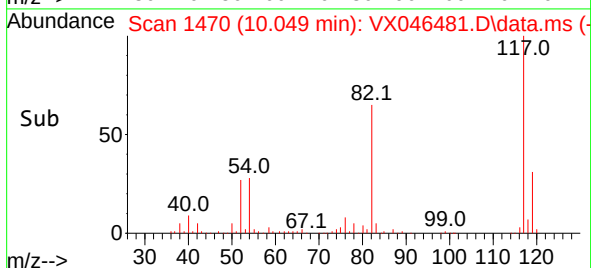
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

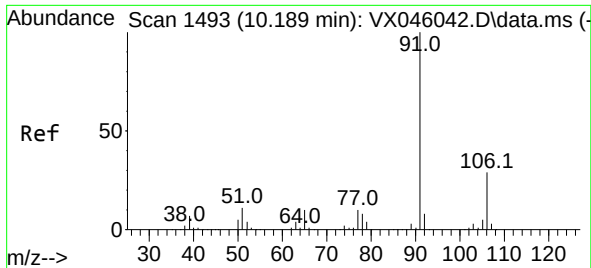


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28



Tgt Ion:117 Resp: 116045
Ion Ratio Lower Upper
117 100
82 64.7 50.6 76.0
119 31.4 25.8 38.6





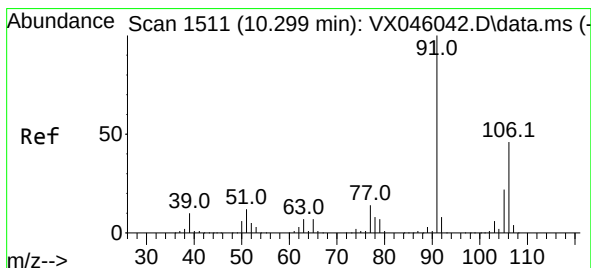
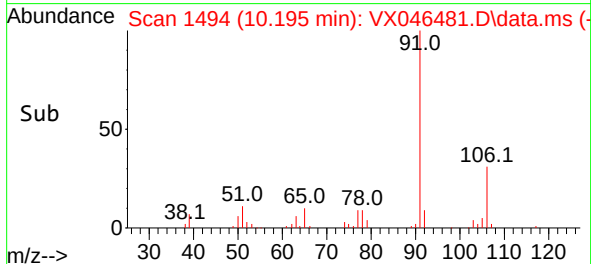
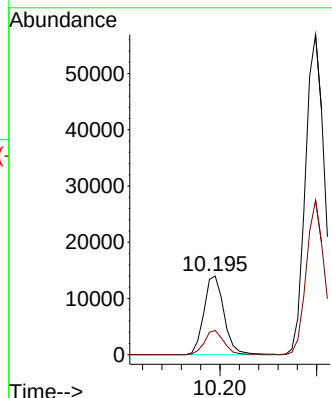
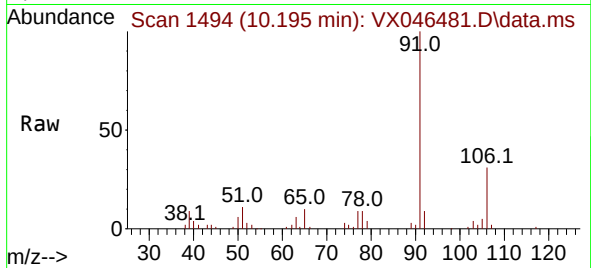
#67
Ethyl Benzene
Concen: 4.526 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

Instrument :
MSVOA_X
ClientSampleId :
A3

Tgt Ion: 91 Resp: 2026
Ion Ratio Lower Upper
91 100
106 30.8 23.4 35.2

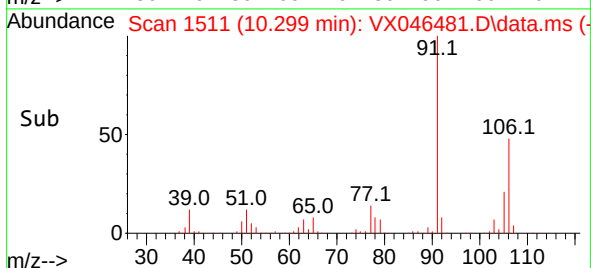
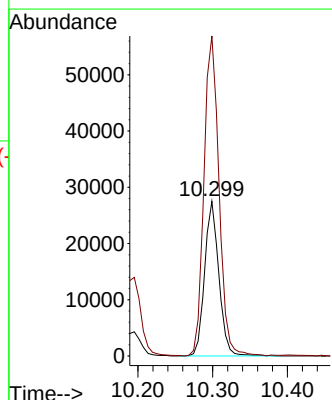
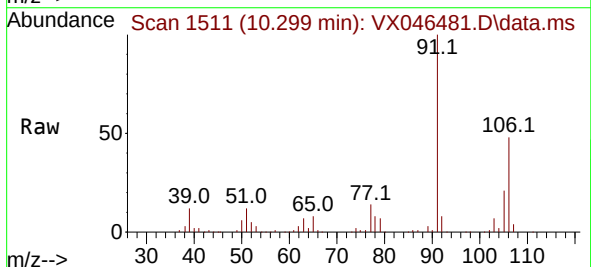
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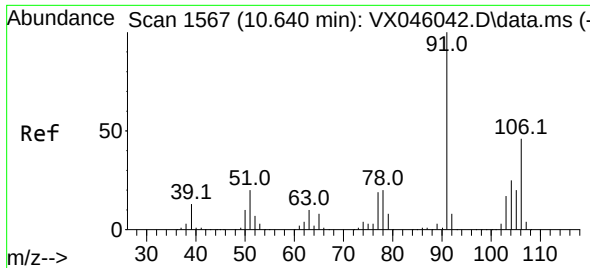
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#68
m/p-Xylenes
Concen: 22.188 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

Tgt Ion:106 Resp: 36333
Ion Ratio Lower Upper
106 100
91 218.8 171.2 256.8





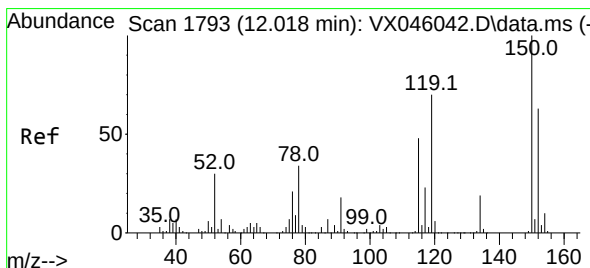
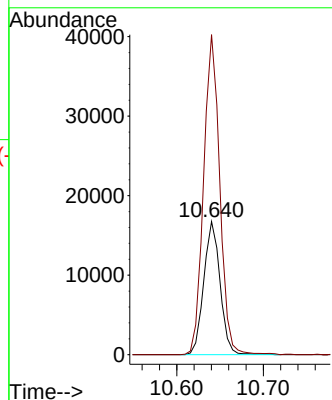
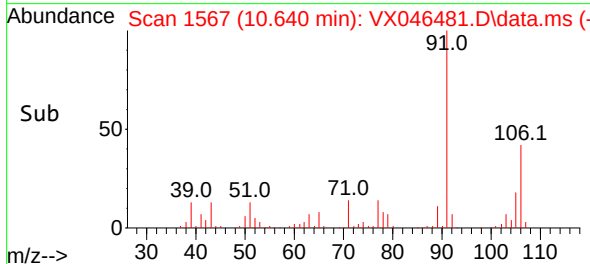
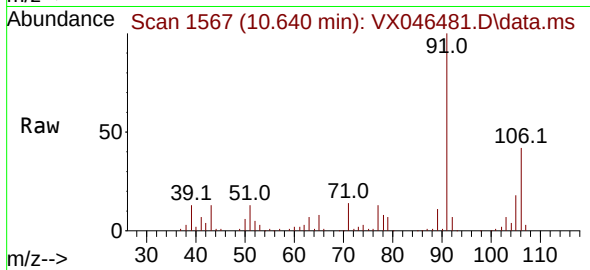
#69
o-Xylene
Concen: 13.738 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

Instrument :
MSVOA_X
ClientSampleId :
A3

Tgt Ion:106 Resp: 2193
Ion Ratio Lower Upper
106 100
91 238.3 112.7 338.1

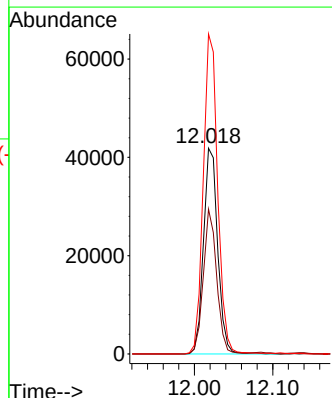
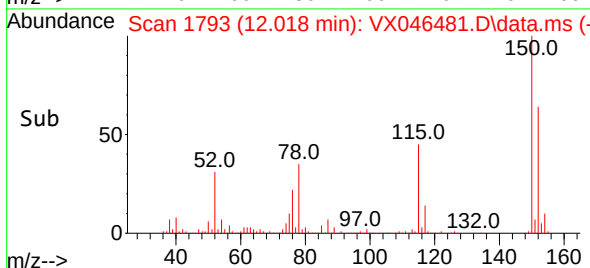
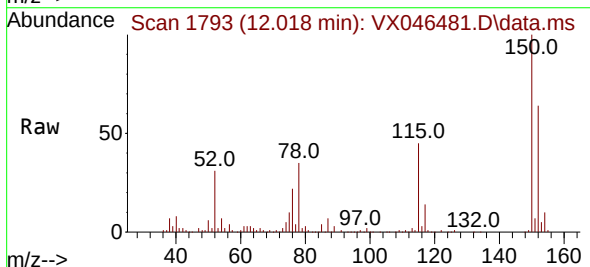
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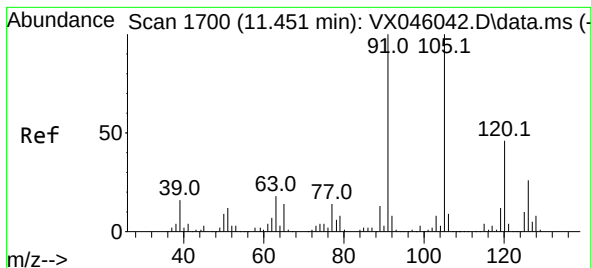
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

Tgt Ion:152 Resp: 52704
Ion Ratio Lower Upper
152 100
115 66.3 46.9 140.7
150 157.3 0.0 351.0





#80

1,3,5-Trimethylbenzene

Concen: 1.509 ug/l m

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046481.D

Acq: 03 Jun 2025 18:28

Instrument :

MSVOA_X

ClientSampleId :

A3

Tgt Ion:105 Resp: 517

Ion Ratio Lower Upper

105 100

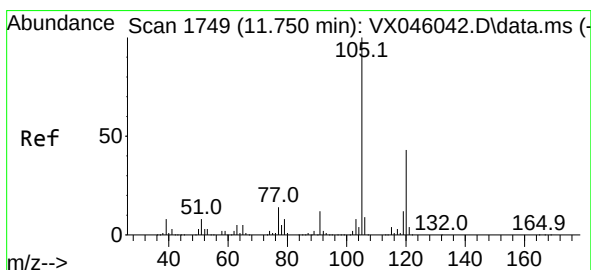
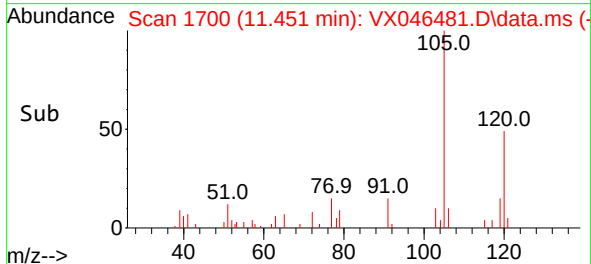
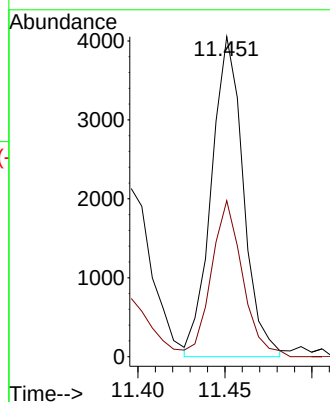
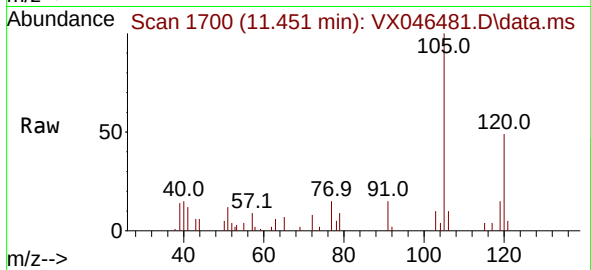
120 47.5 23.1 69.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025



#84

1,2,4-Trimethylbenzene

Concen: 6.323 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046481.D

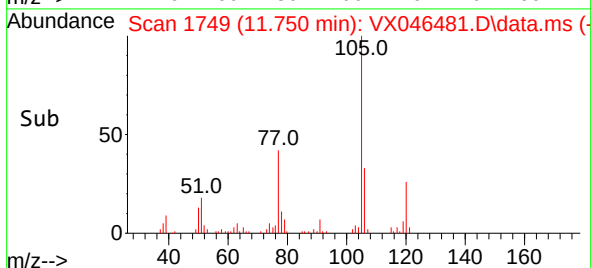
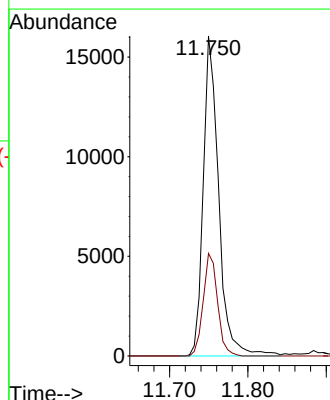
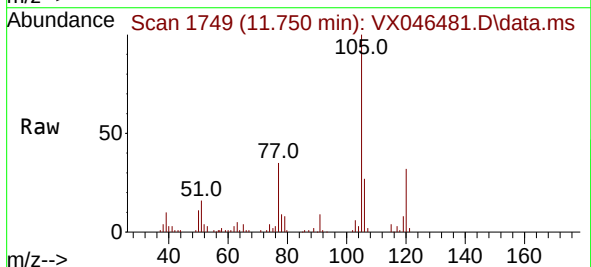
Acq: 03 Jun 2025 18:28

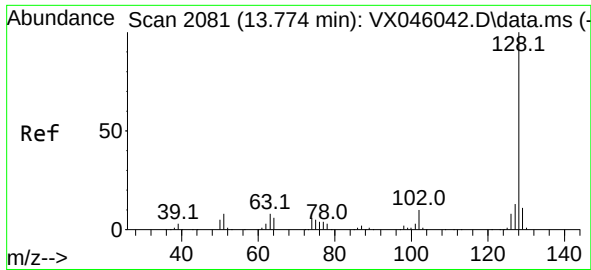
Tgt Ion:105 Resp: 21949

Ion Ratio Lower Upper

105 100

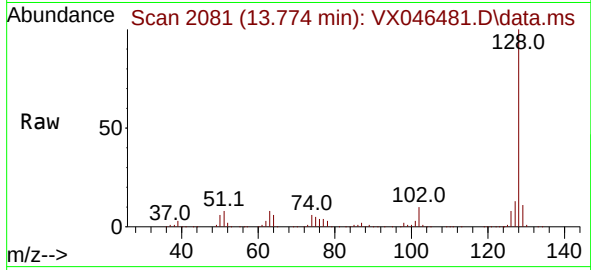
120 29.7 21.2 63.6





#95
Naphthalene
Concen: 40.833 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046481.D
Acq: 03 Jun 2025 18:28

Instrument :
MSVOA_X
ClientSampleId :
A3



Tgt Ion:128 Resp: 150060
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

