

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048043.D
 Acq On : 07 Oct 2025 11:38
 Operator : JC/MD
 Sample : Q3278-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW10

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/08/2025
 Supervised By : Mahesh Dadoda 10/09/2025

Quant Time: Oct 08 01:25:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

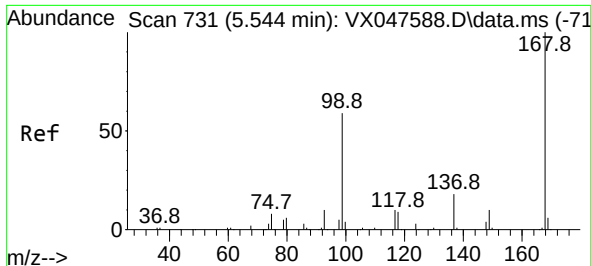
Internal Standards						
1) Pentafluorobenzene	5.537	168	190887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	376118	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	377293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	186931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	143407	47.198	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.400%		
35) Dibromofluoromethane	5.373	113	119064	47.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.400%		
50) Toluene-d8	8.634	98	421940	48.342	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.680%		
62) 4-Bromofluorobenzene	11.061	95	184344	55.651	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.300%		
Target Compounds					Qvalue	
31) Cyclohexane	5.464	56	44440	11.068	ug/l #	89
39) Methylcyclohexane	7.366	83	42344	10.120	ug/l	88
40) Benzene	6.031	78	8330	0.744	ug/l	96
52) Toluene	8.702	92	2463	0.357	ug/l	92
65) Chlorobenzene	10.061	112	19904	2.322	ug/l	99
67) Ethyl Benzene	10.177	91	96123	6.500	ug/l	99
68) m/p-Xylenes	10.287	106	4182	0.760	ug/l	80
73) Isopropylbenzene	10.945	105	67480	4.748	ug/l	98
78) n-propylbenzene	11.286	91	144810	8.620	ug/l	100
83) tert-Butylbenzene	11.695	119	18424	1.541	ug/l	88
84) 1,2,4-Trimethylbenzene	11.731	105	24964	2.109	ug/l	100
85) sec-Butylbenzene	11.872	105	40701	2.867	ug/l	95
89) n-Butylbenzene	12.311	91	21049m	1.893	ug/l	
91) 1,2-Dichlorobenzene	12.317	146	2247	0.363	ug/l	96

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

Manual Integrations

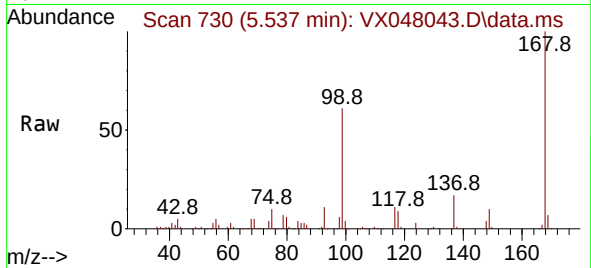
Quant Time: Oct 08 01:25:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 718
Delta R.T. -0.007 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

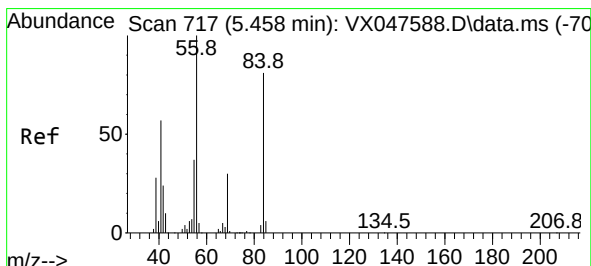
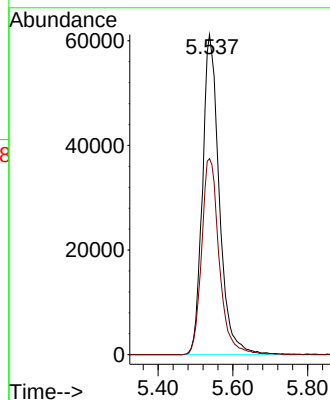
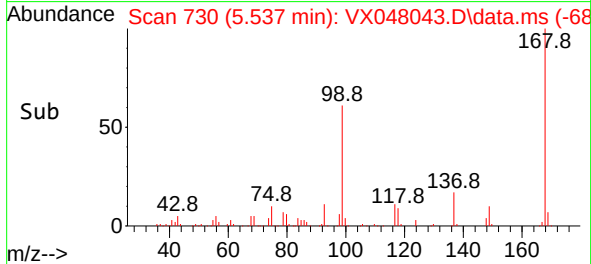
Instrument :
MSVOA_X
ClientSampleId :
MW10



Tgt Ion:168 Resp: 19088
Ion Ratio Lower Upper
168 100
99 61.3 48.8 73.2

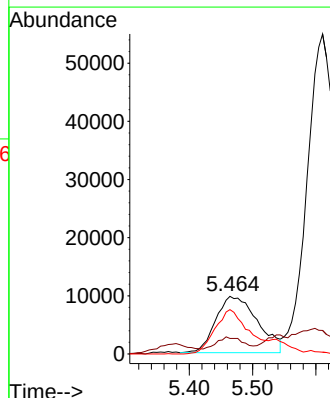
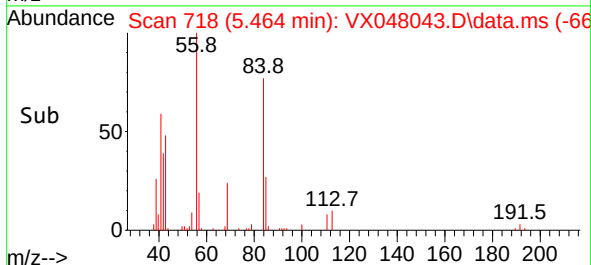
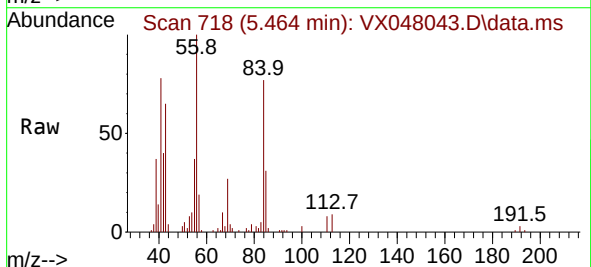
Manual Integrations
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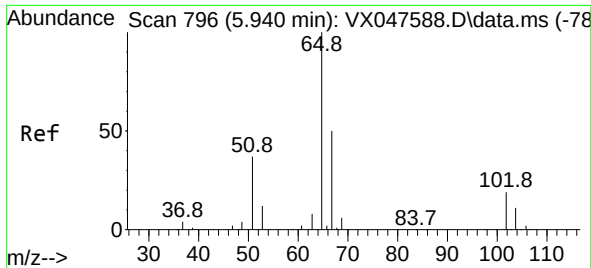
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#31
Cyclohexane
Concen: 11.068 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion: 56 Resp: 44440
Ion Ratio Lower Upper
56 100
69 10.9 23.8 35.8#
84 78.6 64.6 97.0





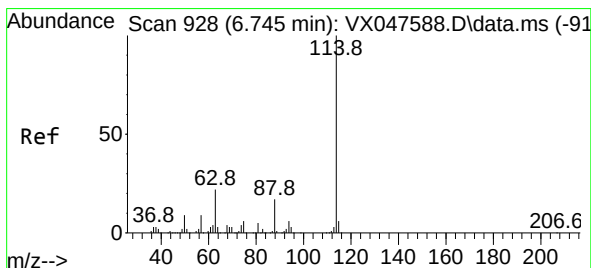
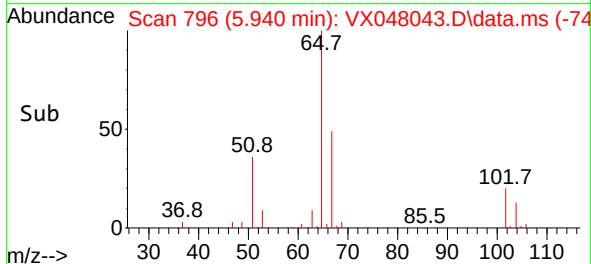
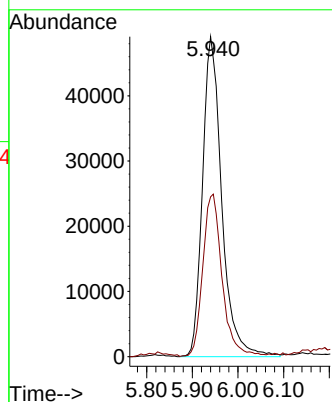
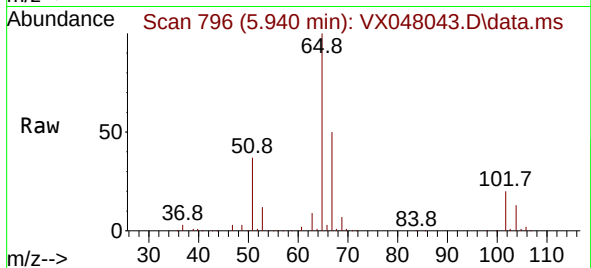
#33
 1,2-Dichloroethane-d4
 Concen: 47.198 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048043.D
 Acq: 07 Oct 2025 11:38

Instrument :
 MSVOA_X
 ClientSampleId :
 MW10

Tgt Ion: 65 Resp: 14340
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 103.0

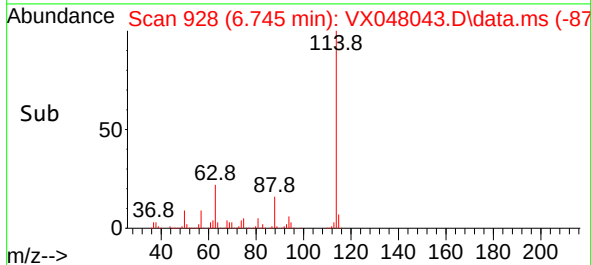
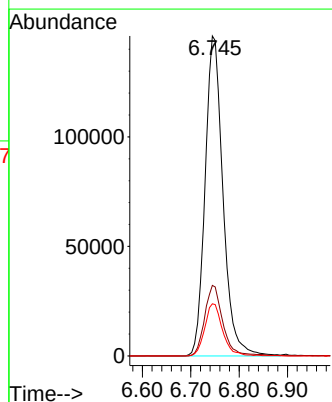
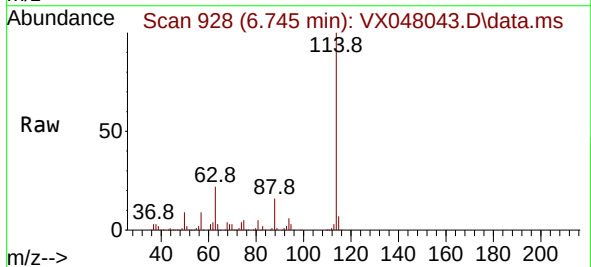
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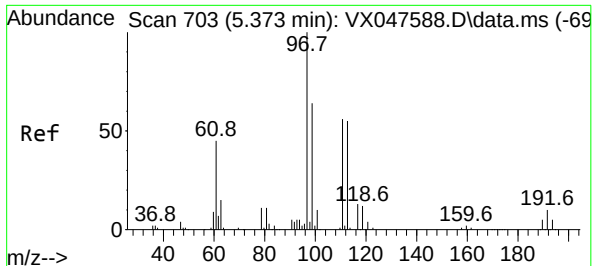
Reviewed By :John Carlone 10/08/2025
 Supervised By :Mahesh Dadoda 10/09/2025



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048043.D
 Acq: 07 Oct 2025 11:38

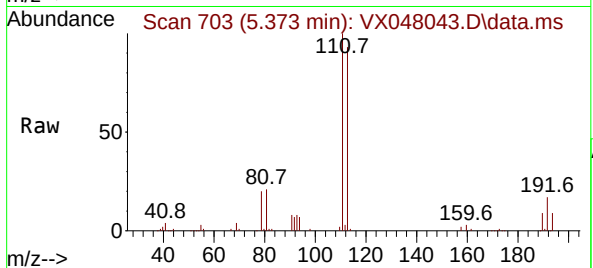
Tgt Ion:114 Resp: 376118
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.0
 88 16.3 0.0 34.2





#35
Dibromofluoromethane
Concen: 47.202 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

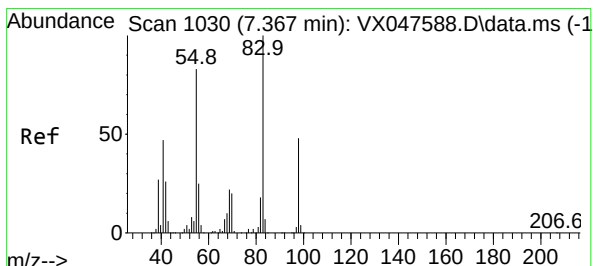
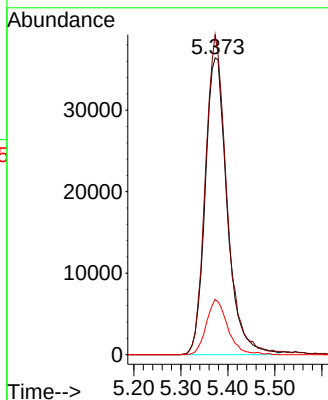
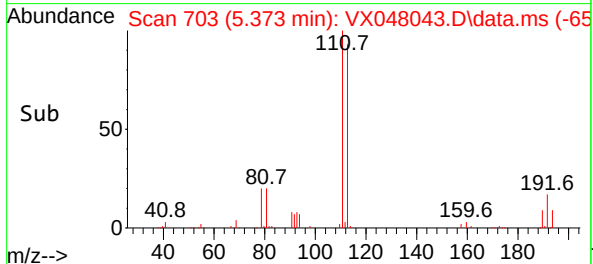
Instrument :
MSVOA_X
ClientSampleId :
MW10



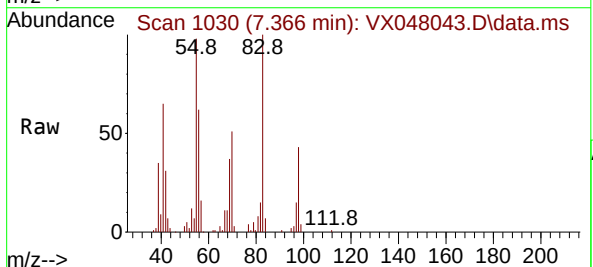
Tgt Ion: 113 Resp: 119064
Ion Ratio Lower Upper
113 100
111 104.2 80.9 121.3
192 18.1 14.2 21.4

Manual Integrations
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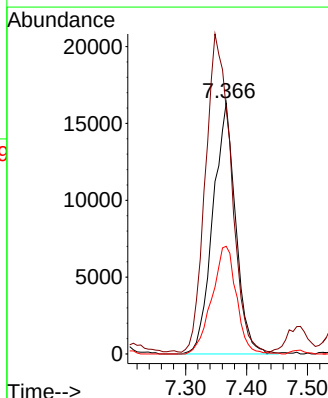
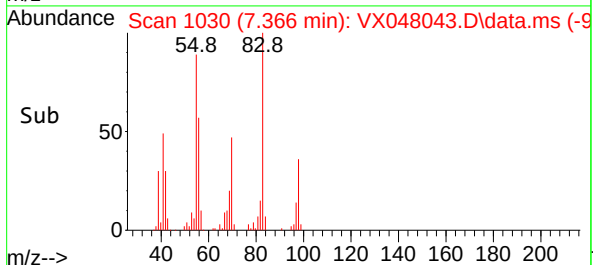
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

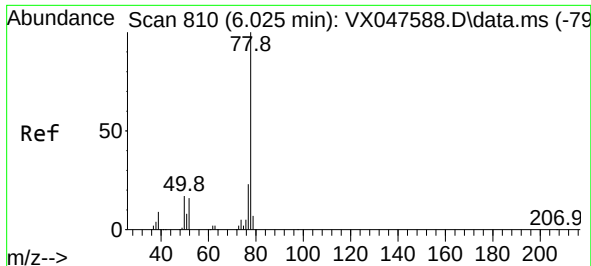


#39
Methylcyclohexane
Concen: 10.120 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38



Tgt Ion: 83 Resp: 42344
Ion Ratio Lower Upper
83 100
55 96.7 66.4 99.6
98 42.9 38.1 57.1





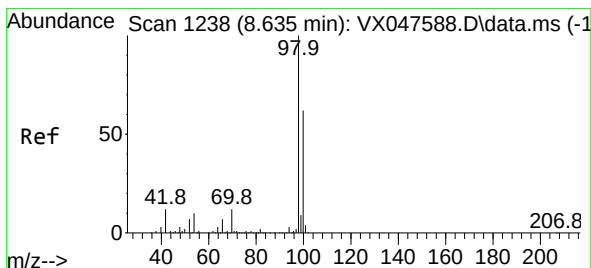
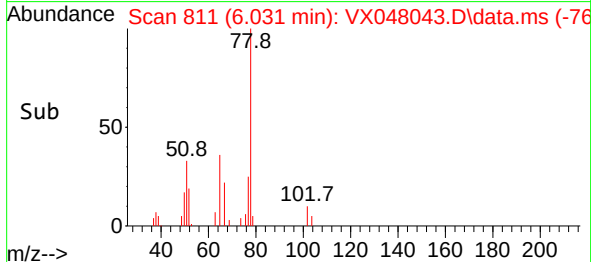
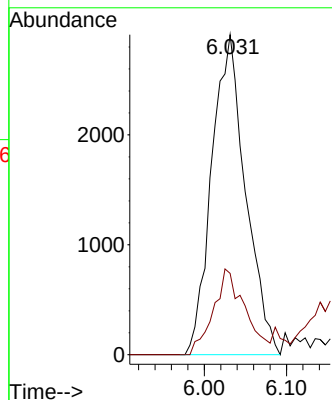
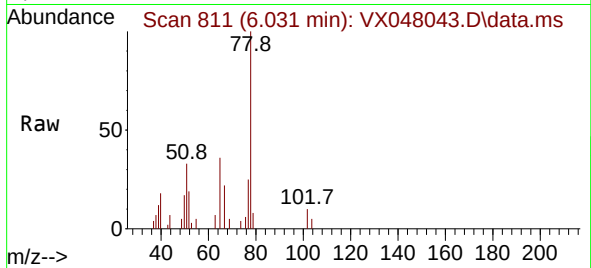
#40
Benzene
Concen: 0.744 ug/l
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Instrument :
MSVOA_X
ClientSampleId :
MW10

Tgt Ion: 78 Resp: 8330
Ion Ratio Lower Upper
78 100
77 25.4 18.8 28.2

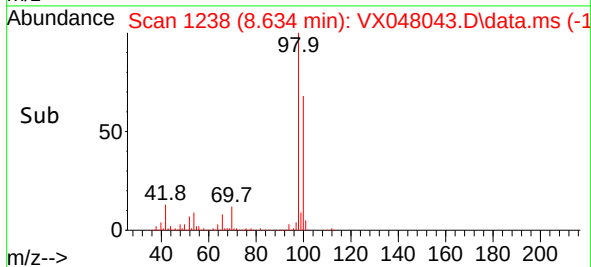
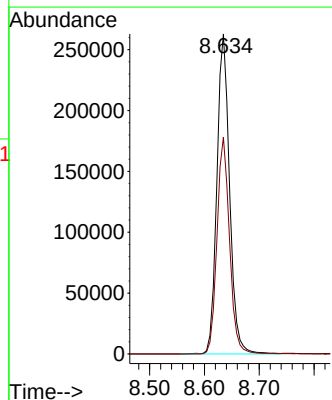
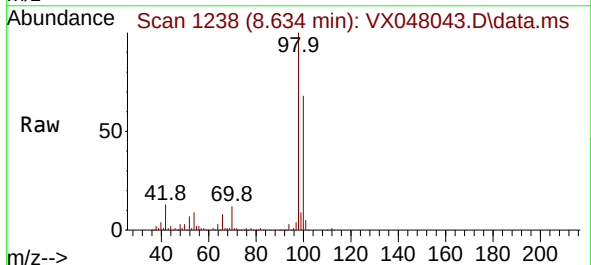
Manual Integrations
APPROVED

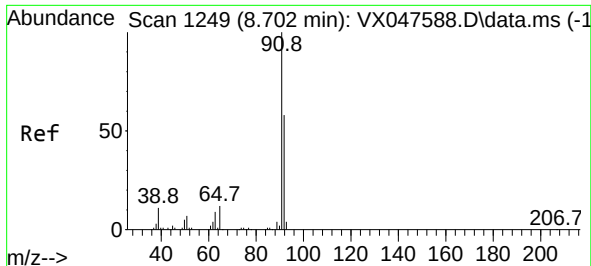
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#50
Toluene-d8
Concen: 48.342 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

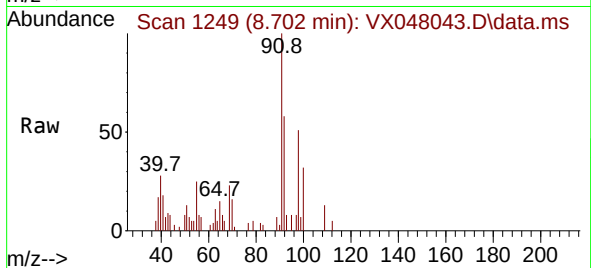
Tgt Ion: 98 Resp: 421940
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4





#52
Toluene
Concen: 0.357 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

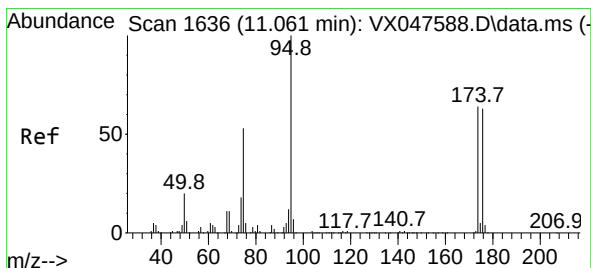
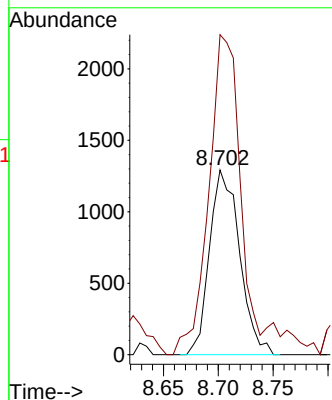
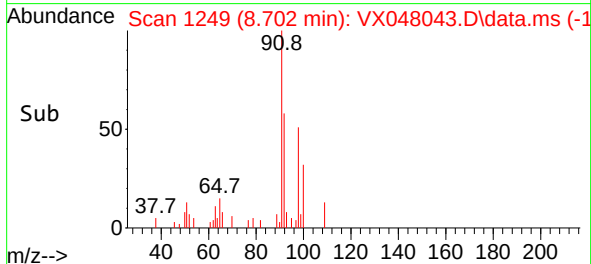
Instrument :
MSVOA_X
ClientSampleId :
MW10



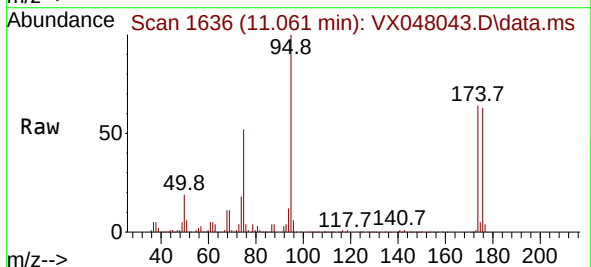
Tgt Ion: 92 Resp: 246
Ion Ratio Lower Upper
92 100
91 182.1 137.1 205.7

Manual Integrations
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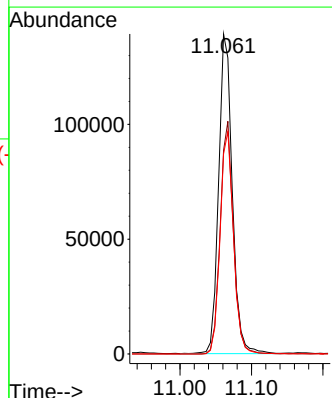
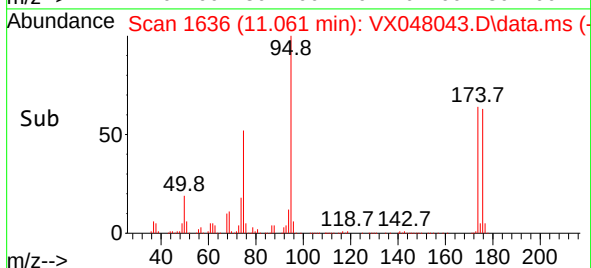
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

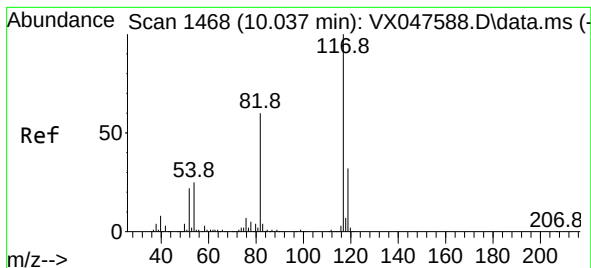


#62
4-Bromofluorobenzene
Concen: 55.651 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38



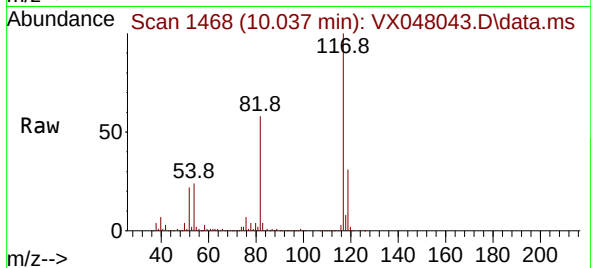
Tgt Ion: 95 Resp: 184344
Ion Ratio Lower Upper
95 100
174 70.3 0.0 141.6
176 68.2 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

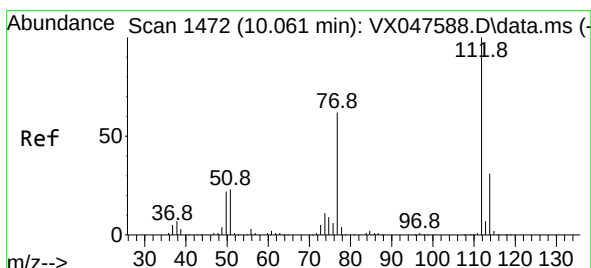
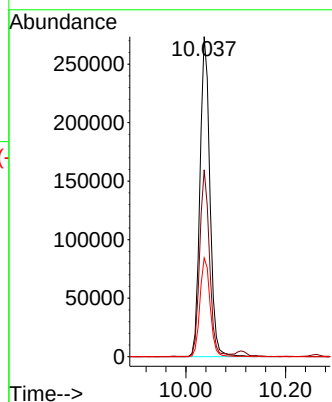
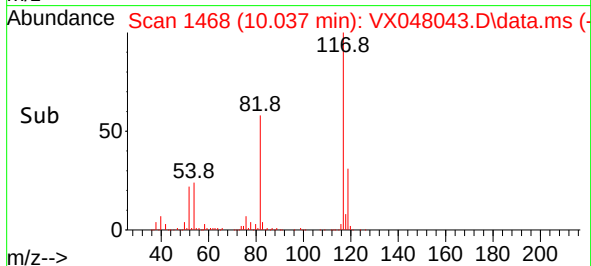
Instrument :
MSVOA_X
ClientSampleId :
MW10



Tgt Ion:117 Resp: 37729
Ion Ratio Lower Upper
117 100
82 58.3 47.8 71.6
119 30.9 25.2 37.8

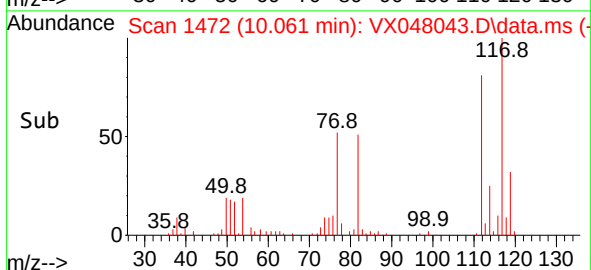
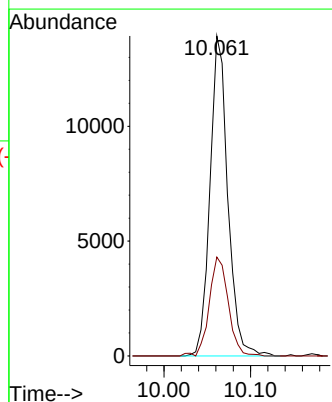
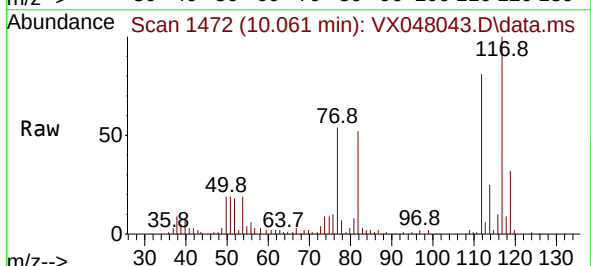
Manual Integrations
APPROVED

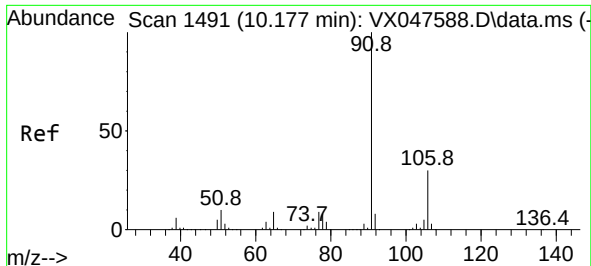
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#65
Chlorobenzene
Concen: 2.322 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

Tgt Ion:112 Resp: 19904
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7





#67

Ethyl Benzene

Concen: 6.500 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VX048043.D

Acq: 07 Oct 2025 11:38

Instrument :

MSVOA_X

ClientSampleId :

MW10

Tgt Ion: 91 Resp: 9612

Ion Ratio Lower Upper

91 100

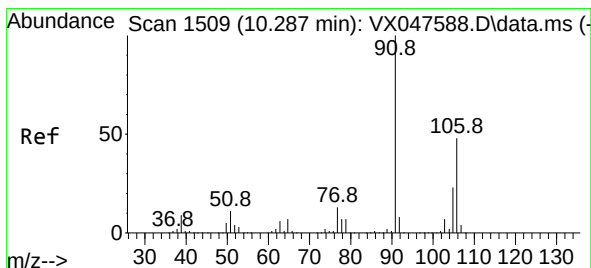
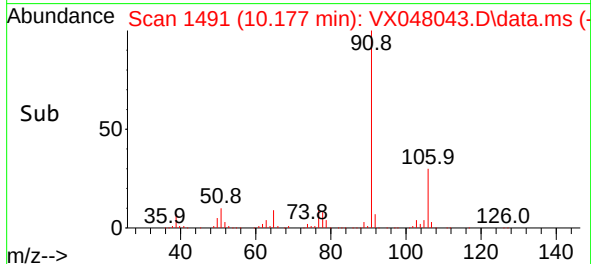
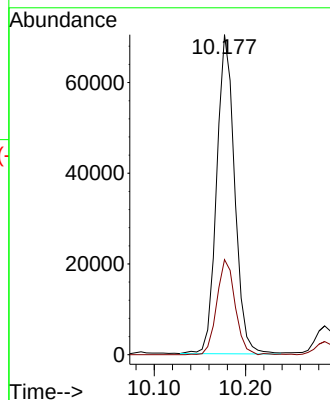
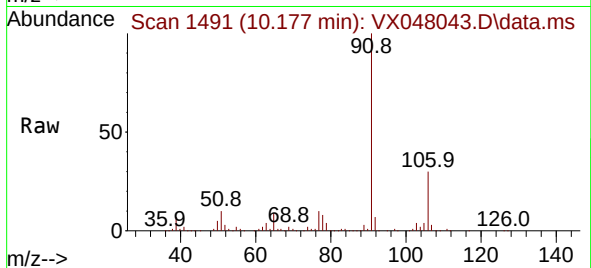
106 29.8 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/08/2025

Supervised By :Mahesh Dadoda 10/09/2025



#68

m/p-Xylenes

Concen: 0.760 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX048043.D

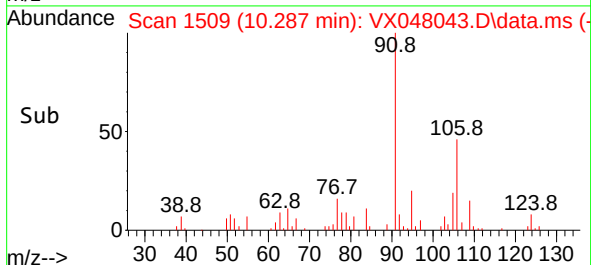
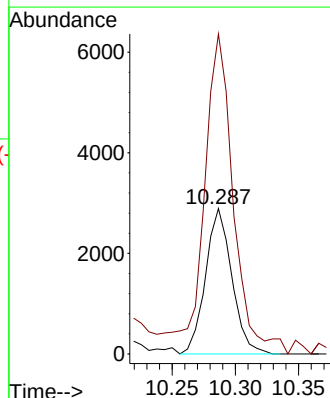
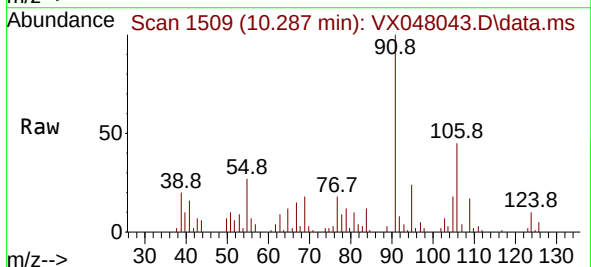
Acq: 07 Oct 2025 11:38

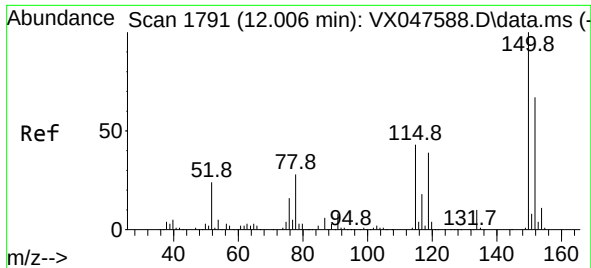
Tgt Ion:106 Resp: 4182

Ion Ratio Lower Upper

106 100

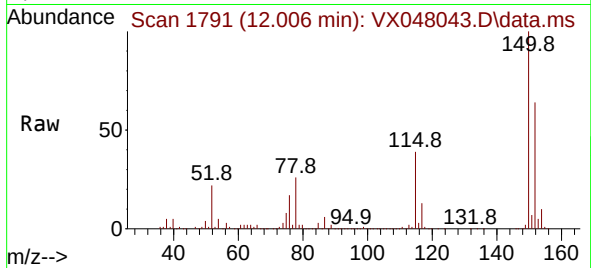
91 241.0 167.8 251.8





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

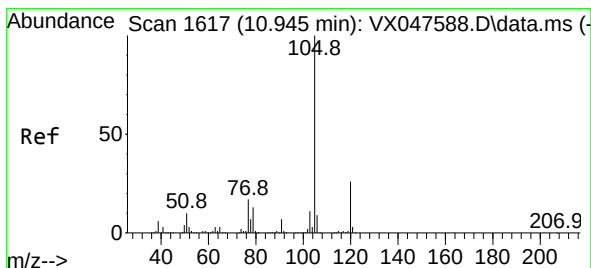
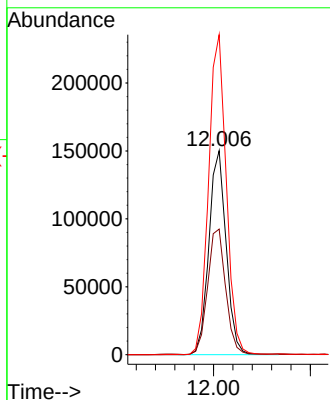
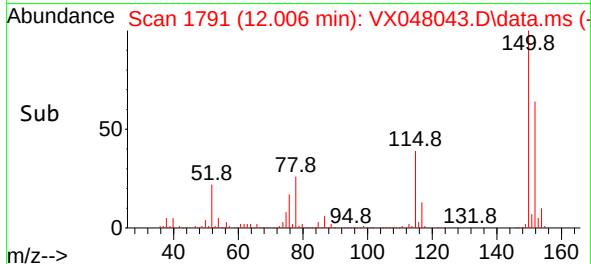
Instrument :
MSVOA_X
ClientSampleId :
MW10



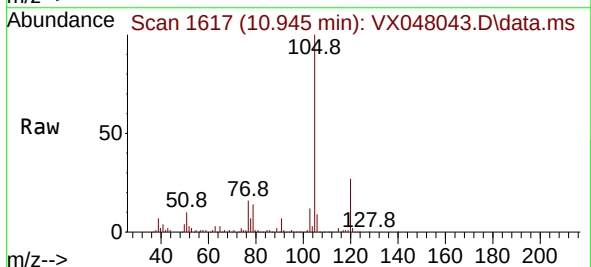
Tgt Ion:152 Resp: 18693
Ion Ratio Lower Upper
152 100
115 64.0 44.9 134.5
150 160.0 0.0 352.0

Manual Integrations
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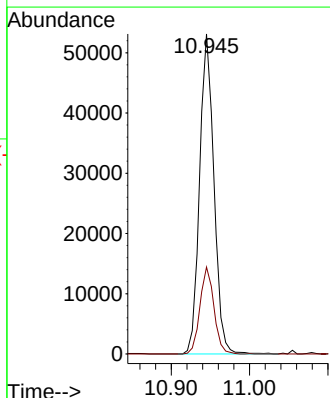
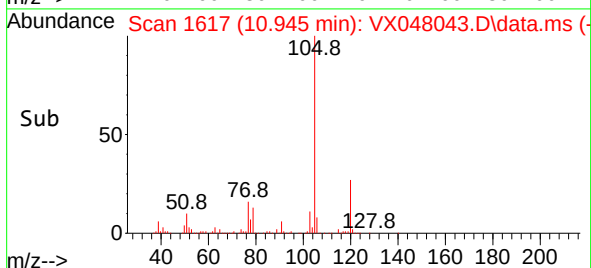
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

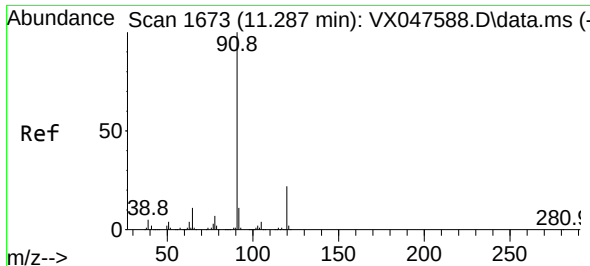


#73
Isopropylbenzene
Concen: 4.748 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38



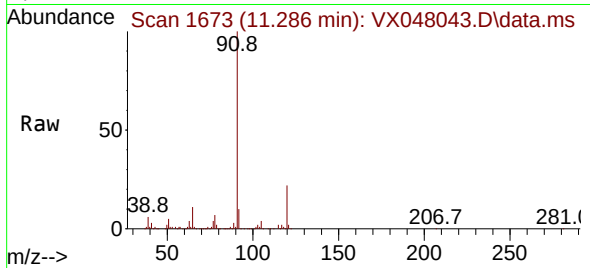
Tgt Ion:105 Resp: 67480
Ion Ratio Lower Upper
105 100
120 26.4 12.8 38.4





#78
n-propylbenzene
Concen: 8.620 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

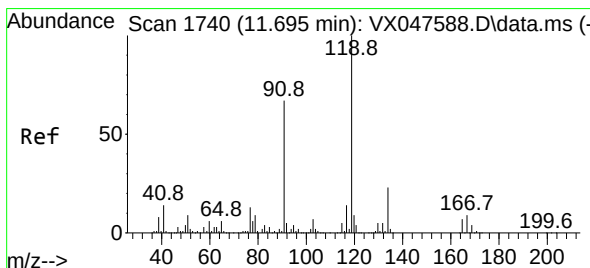
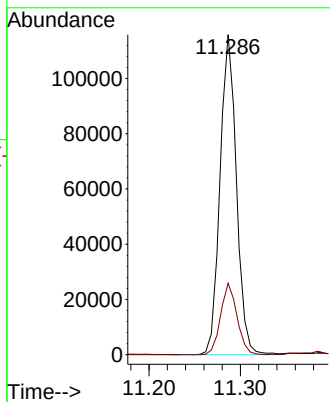
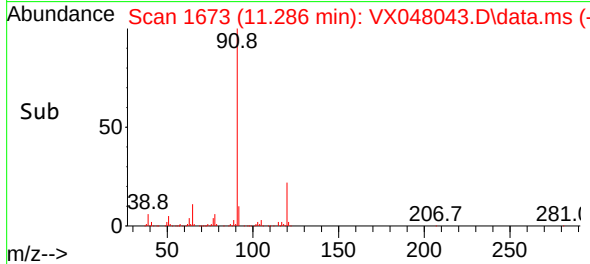
Instrument : MSVOA_X
ClientSampleId : MW10



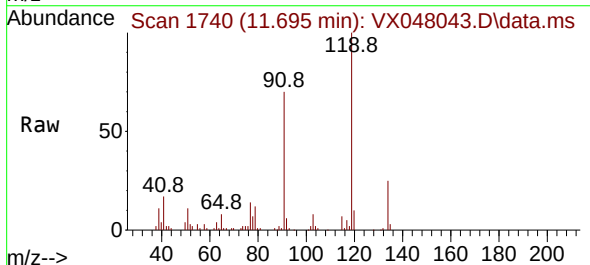
Tgt Ion: 91 Resp: 144810
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.1

Manual Integrations
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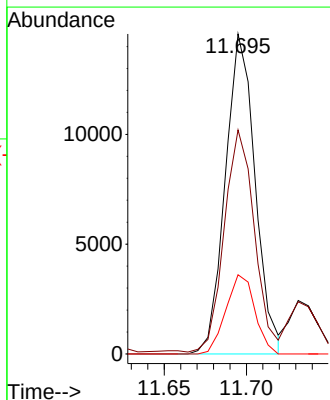
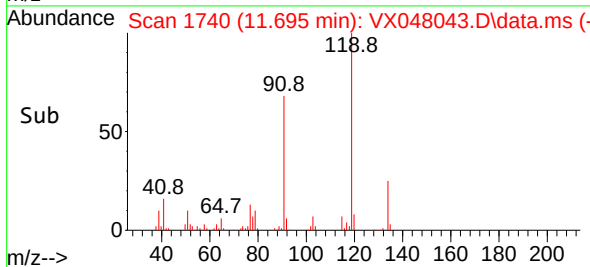
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

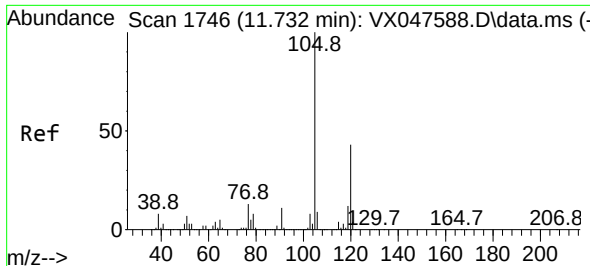


#83
tert-Butylbenzene
Concen: 1.541 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38



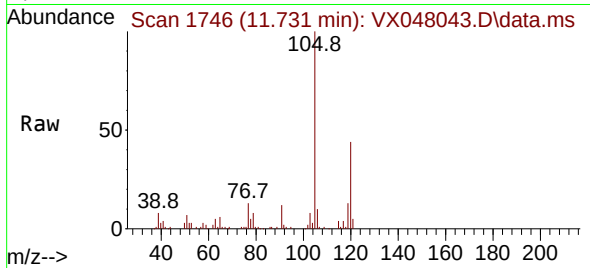
Tgt Ion:119 Resp: 18424
Ion Ratio Lower Upper
119 100
91 70.0 29.6 88.8
134 23.9 11.0 33.0





#84
1,2,4-Trimethylbenzene
Concen: 2.109 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

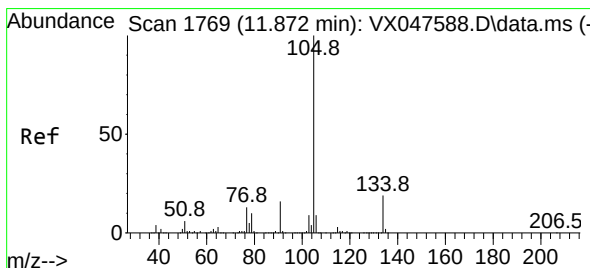
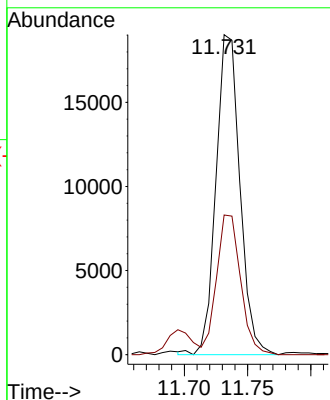
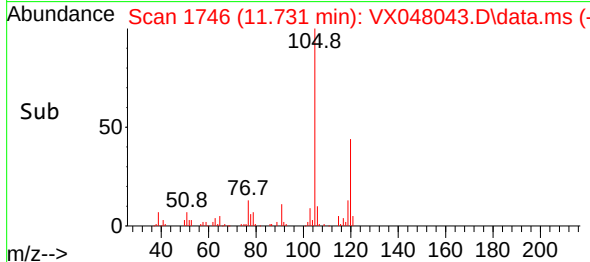
Instrument :
MSVOA_X
ClientSampleId :
MW10



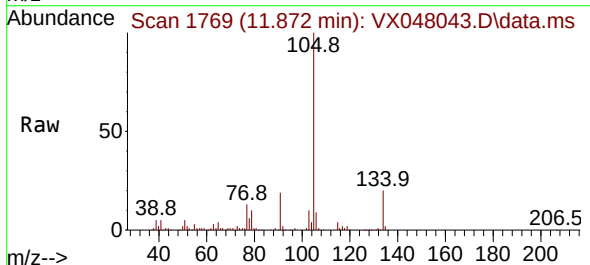
Tgt Ion:105 Resp: 24964
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.1

Manual Integrations
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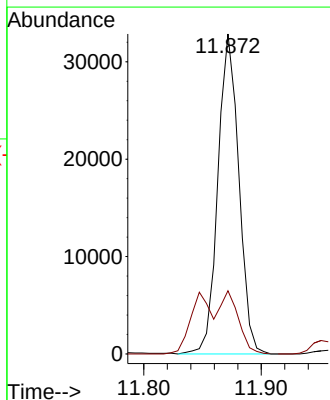
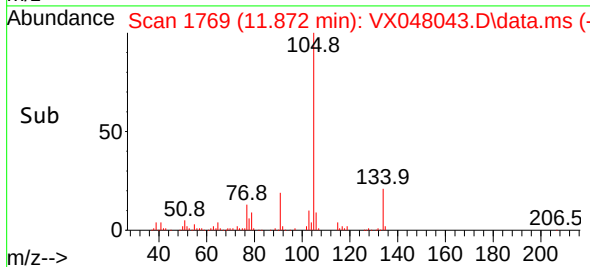
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

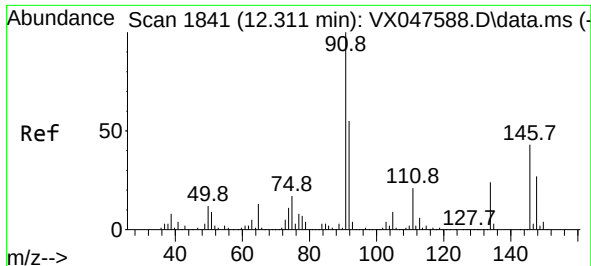


#85
sec-Butylbenzene
Concen: 2.867 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38



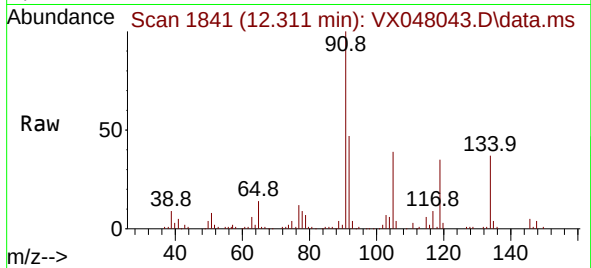
Tgt Ion:105 Resp: 40701
Ion Ratio Lower Upper
105 100
134 17.6 9.8 29.5





#89
n-Butylbenzene
Concen: 1.893 ug/l m
RT: 12.311 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38

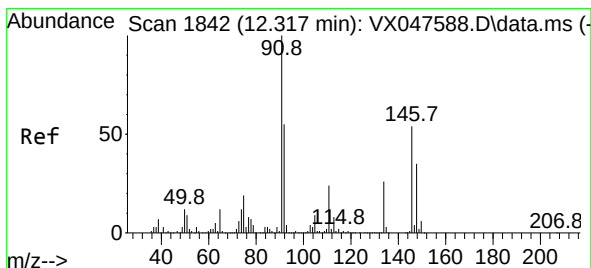
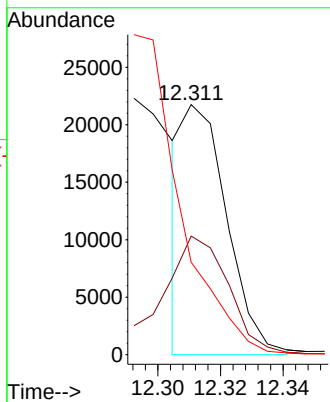
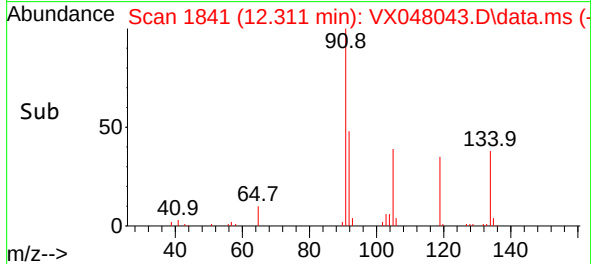
Instrument :
MSVOA_X
ClientSampleId :
MW10



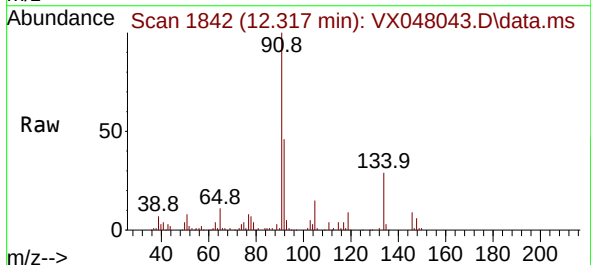
Tgt Ion: 91 Resp: 21049
Ion Ratio Lower Upper
91 100
92 75.1 27.6 82.7
134 192.0 12.6 37.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#91
1,2-Dichlorobenzene
Concen: 0.363 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX048043.D
Acq: 07 Oct 2025 11:38



Tgt Ion:146 Resp: 2247
Ion Ratio Lower Upper
146 100
111 50.1 22.2 66.6
148 64.8 31.8 95.4

