

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048559.D
 Acq On : 11 Nov 2025 13:25
 Operator : JC/MD
 Sample : Q3574-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 304641-01 Liquid

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:45:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	179714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	364596	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	388013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	207878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	136515	54.515	ug/l	-0.02
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.020%			
35) Dibromofluoromethane	5.361	113	124810	45.229	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.460%			
50) Toluene-d8	8.628	98	422579	49.101	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.200%			
62) 4-Bromofluorobenzene	11.061	95	188331	58.719	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.440%			
Target Compounds					Qvalue	
16) Acetone	2.373	43	5796	4.890	ug/l	95
40) Benzene	6.025	78	2334	0.204	ug/l	93
44) Trichloroethene	7.104	130	18120	6.618	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	3879	0.932	ug/l	90
52) Toluene	8.702	92	19812	3.285	ug/l	99
67) Ethyl Benzene	10.177	91	16419	1.062	ug/l	94
68) m/p-Xylenes	10.281	106	26838	4.608	ug/l	100
69) o-Xylene	10.622	106	18689	3.280	ug/l	100
78) n-propylbenzene	11.286	91	11881	0.670	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	18775	1.526	ug/l	97
84) 1,2,4-Trimethylbenzene	11.731	105	73554	5.926	ug/l	97
89) n-Butylbenzene	12.311	91	11480m	0.926	ug/l	

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

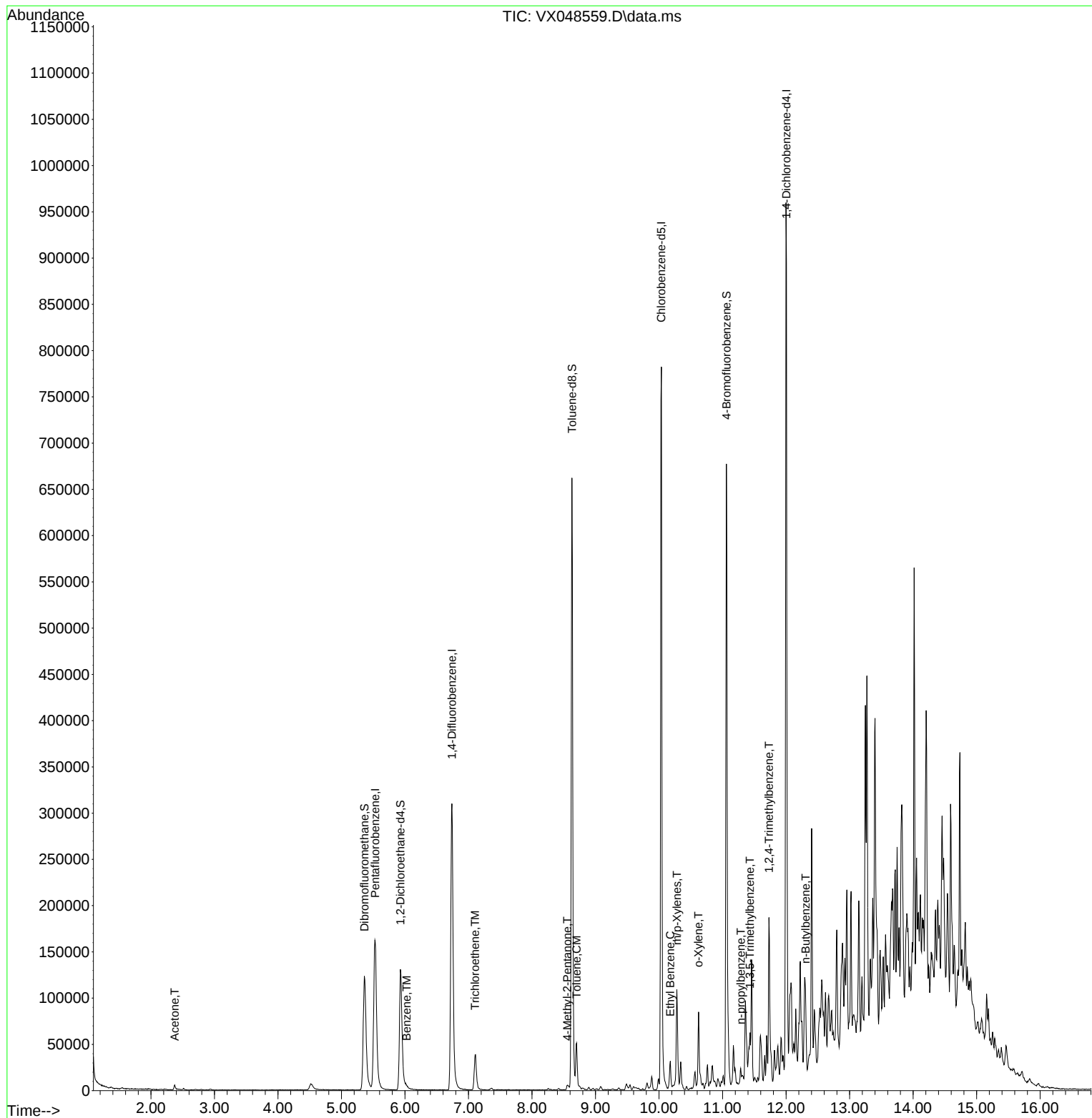
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048559.D
Acq On : 11 Nov 2025 13:25
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Sample : Q3574-01 10X
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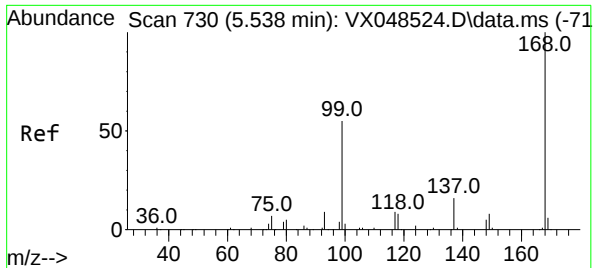
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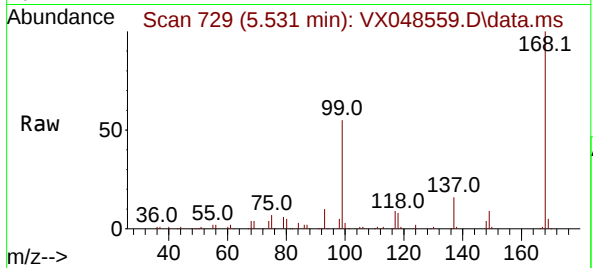
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

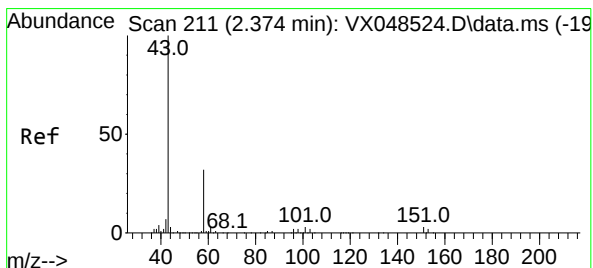
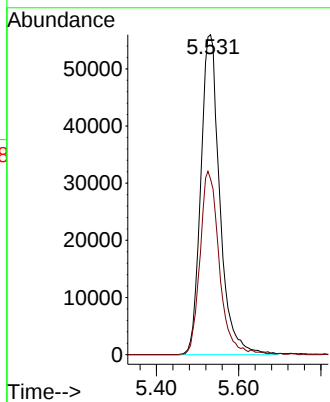
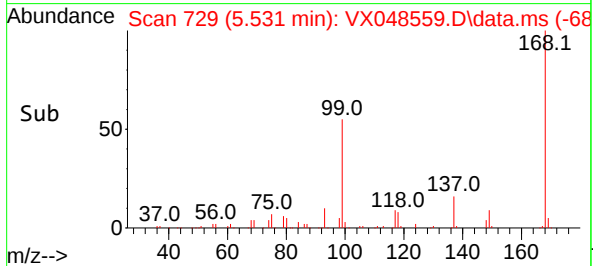
Instrument :
MSVOA_X
ClientSampleId :
304641-01 Liquid



Tgt Ion:168 Resp: 179714
Ion Ratio Lower Upper
168 100
99 54.9 45.2 67.8

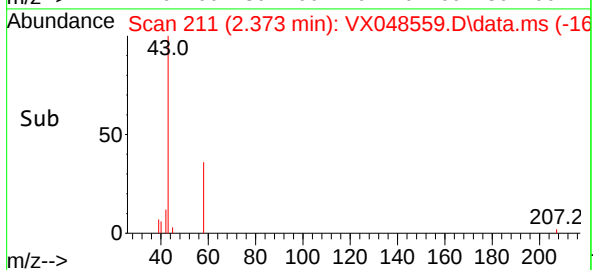
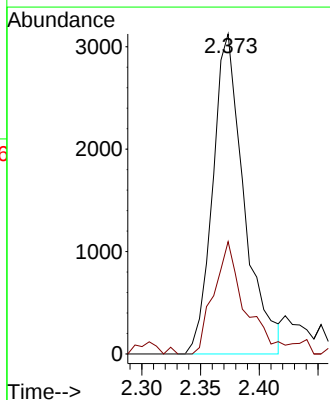
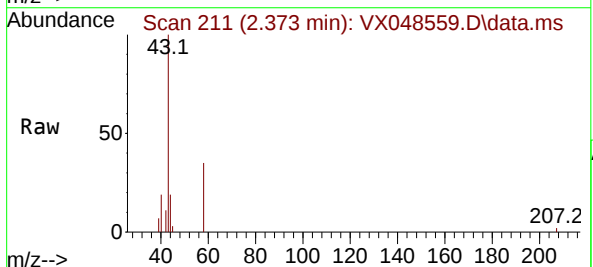
Manual Integrations
APPROVED

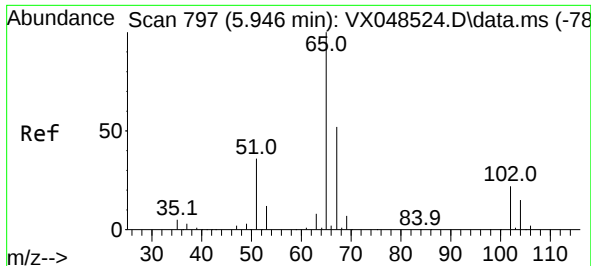
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#16
Acetone
Concen: 4.890 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

Tgt Ion: 43 Resp: 5796
Ion Ratio Lower Upper
43 100
58 35.1 25.8 38.6





#33

1,2-Dichloroethane-d4

Concen: 54.515 ug/l

RT: 5.928 min Scan# 794

Delta R.T. -0.019 min

Lab File: VX048559.D

Acq: 11 Nov 2025 13:25

Instrument :

MSVOA_X

ClientSampleId :

304641-01 Liquid

Tgt Ion: 65 Resp: 13651

Ion Ratio Lower Upper

65 100

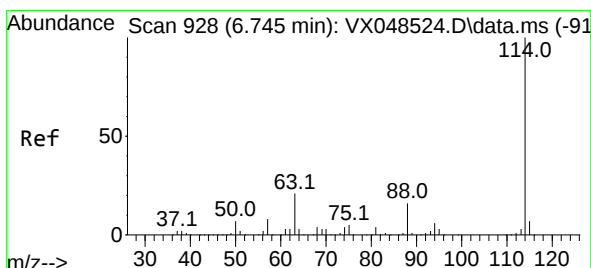
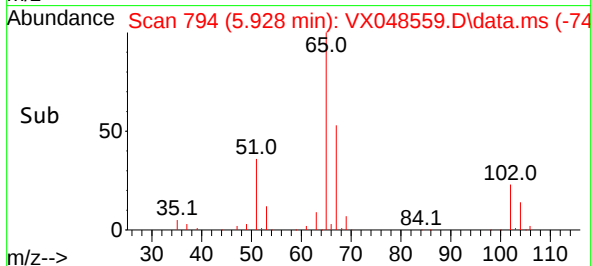
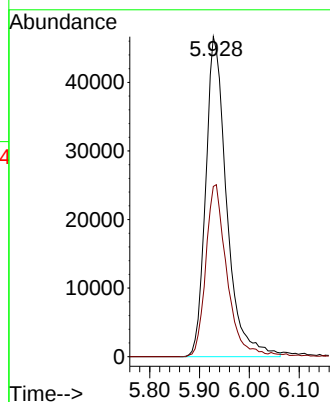
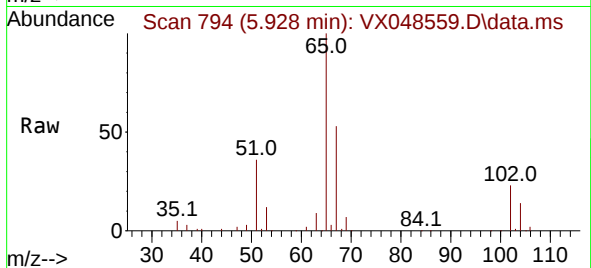
67 53.7 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.738 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048559.D

Acq: 11 Nov 2025 13:25

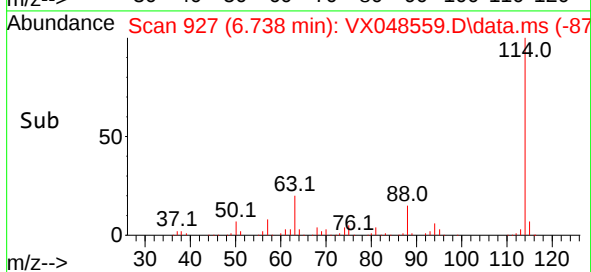
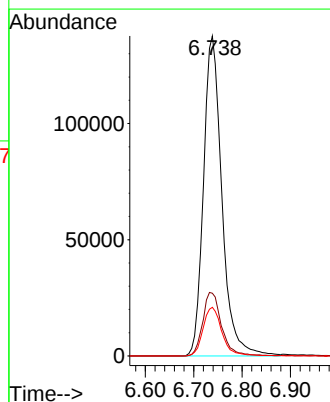
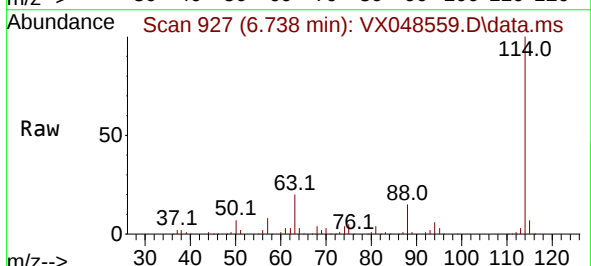
Tgt Ion:114 Resp: 364596

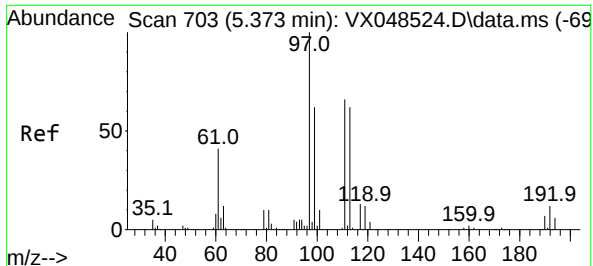
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.2

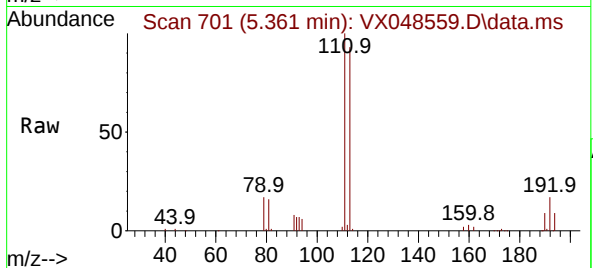
88 15.2 0.0 32.2





#35
Dibromofluoromethane
Concen: 45.229 ug/l
RT: 5.361 min Scan# 703
Delta R.T. -0.012 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

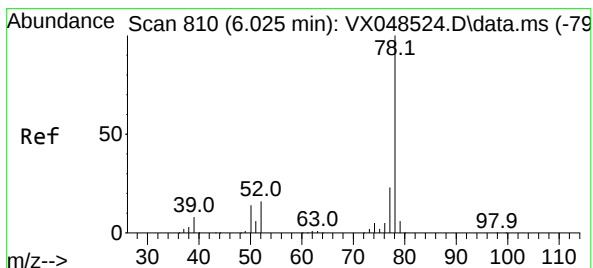
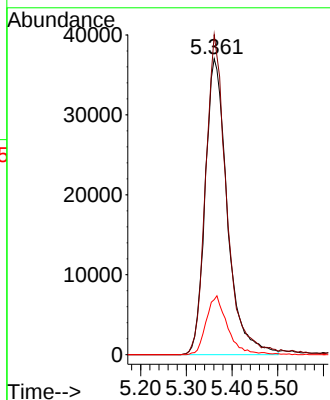
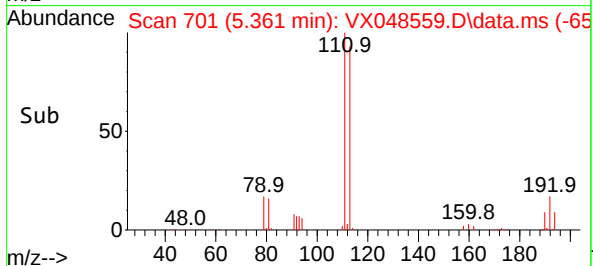
Instrument :
MSVOA_X
ClientSampleId :
304641-01 Liquid



Tgt Ion:113 Resp: 124810
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 18.8 15.8 23.6

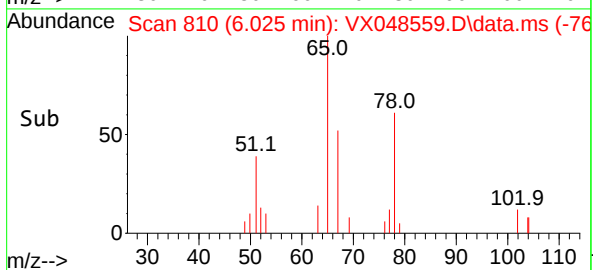
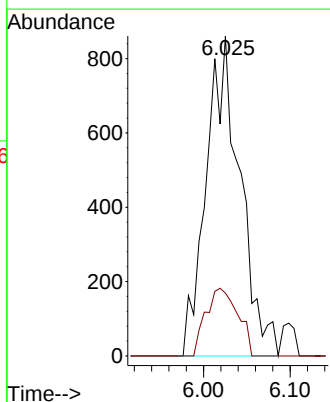
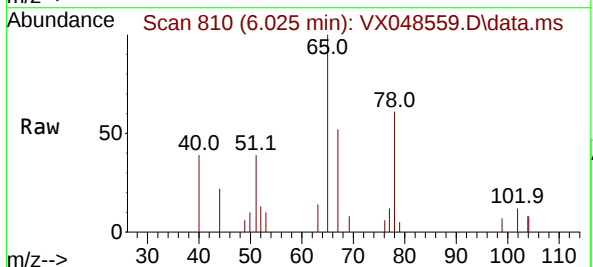
Manual Integrations
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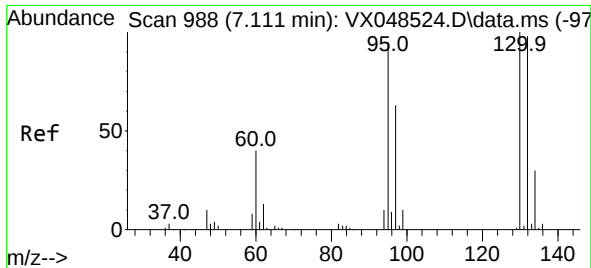
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#40
Benzene
Concen: 0.204 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

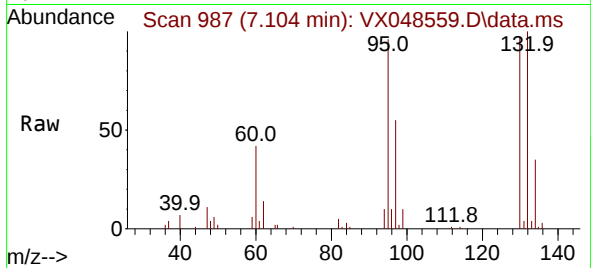
Tgt Ion: 78 Resp: 2334
Ion Ratio Lower Upper
78 100
77 19.6 18.3 27.5





#44
Trichloroethene
Concen: 6.618 ug/l
RT: 7.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

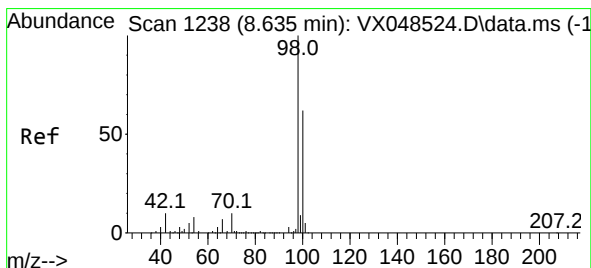
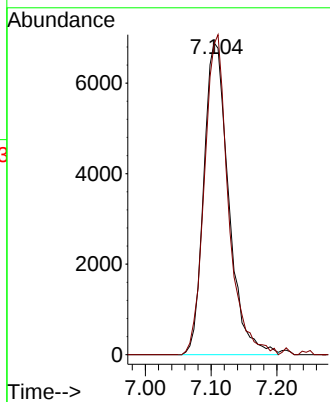
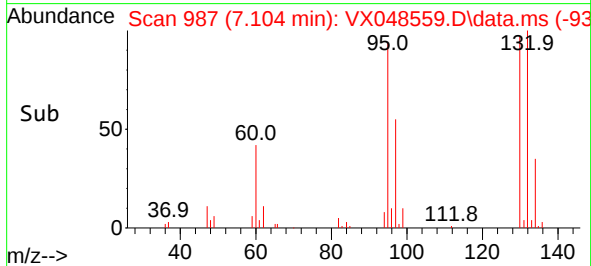
Instrument :
MSVOA_X
ClientSampleId :
304641-01 Liquid



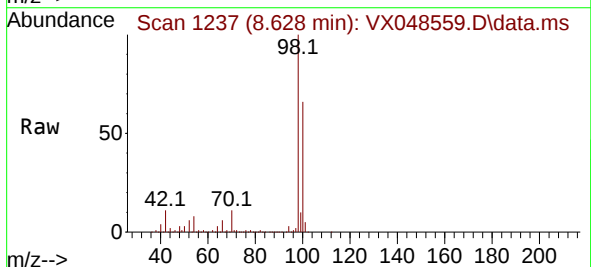
Tgt Ion:130 Resp: 18120
Ion Ratio Lower Upper
130 100
95 99.5 0.0 190.2

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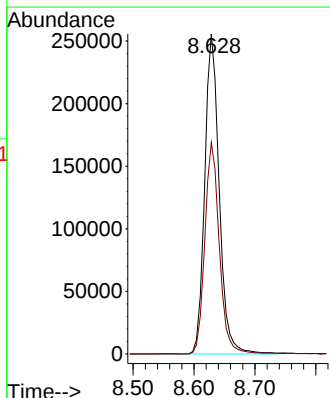
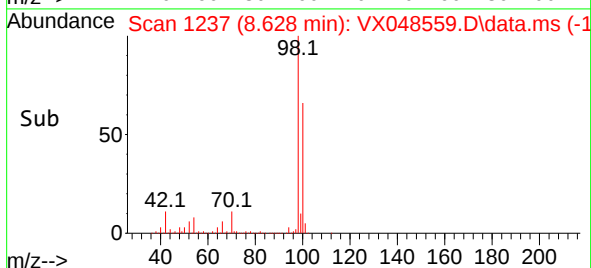
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

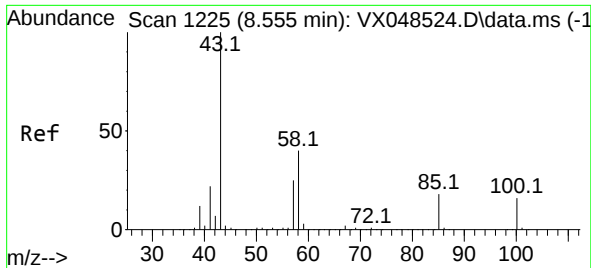


#50
Toluene-d8
Concen: 49.101 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25



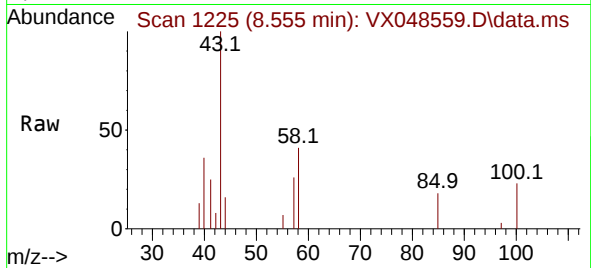
Tgt Ion: 98 Resp: 422579
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4





#51
4-Methyl-2-Pentanone
Concen: 0.932 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

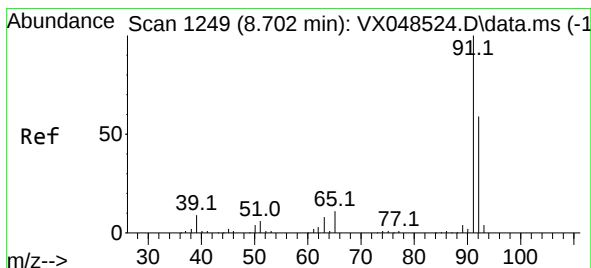
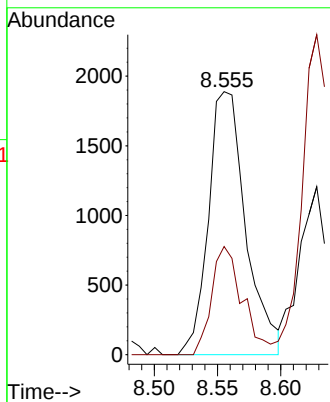
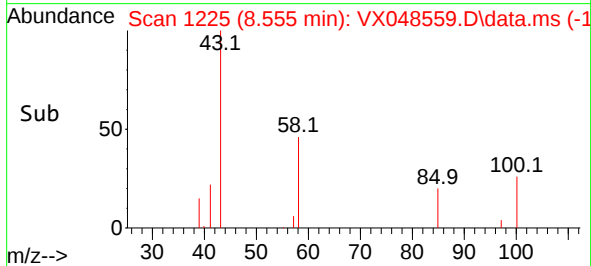
Instrument :
MSVOA_X
ClientSampleId :
304641-01 Liquid



Tgt Ion: 43 Resp: 3879
Ion Ratio Lower Upper
43 100
58 34.1 32.3 48.5

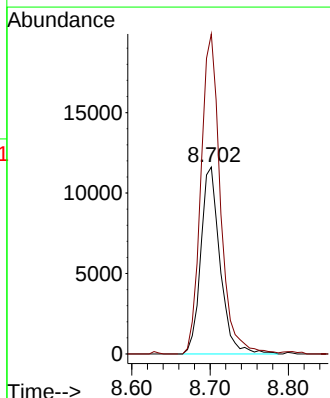
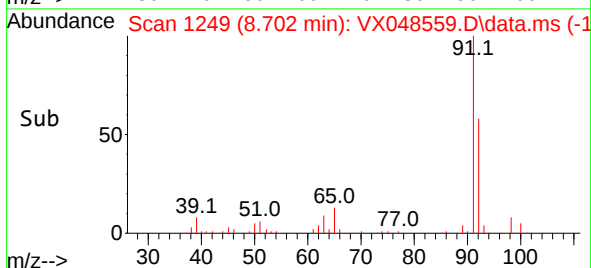
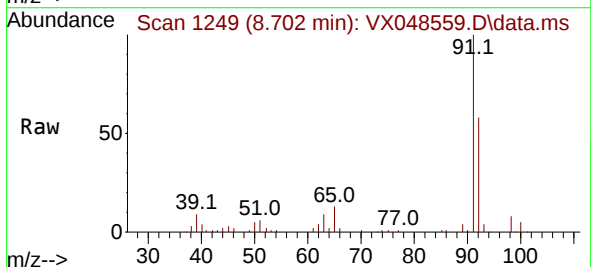
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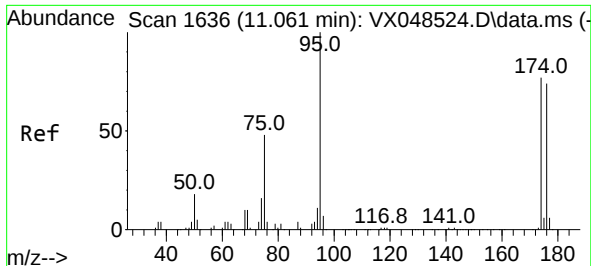
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#52
Toluene
Concen: 3.285 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

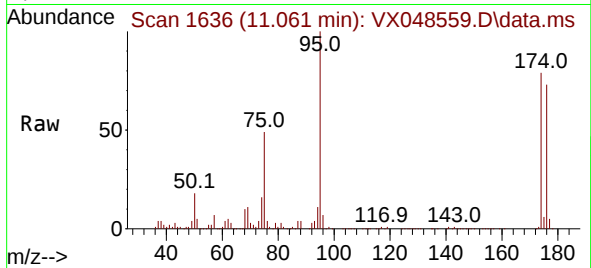
Tgt Ion: 92 Resp: 19812
Ion Ratio Lower Upper
92 100
91 173.0 137.0 205.6





#62
4-Bromofluorobenzene
Concen: 58.719 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

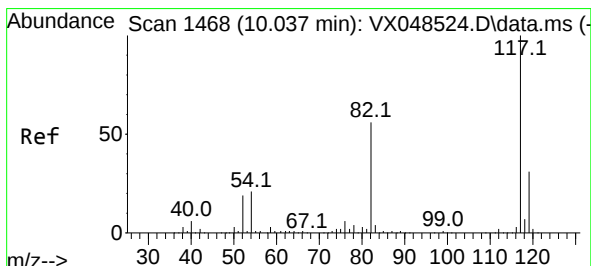
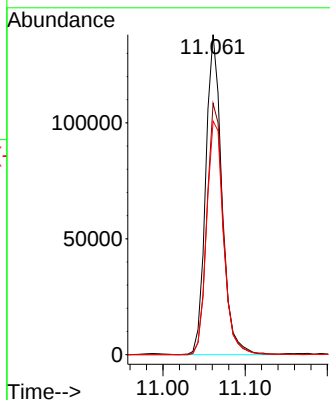
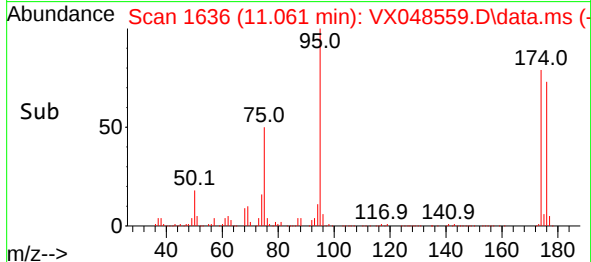
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MSVOA_X
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304641-01 Liquid



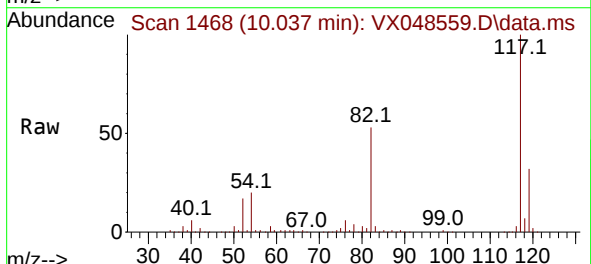
Tgt Ion: 95 Resp: 18833
Ion Ratio Lower Upper
95 100
174 80.4 0.0 161.8
176 76.6 0.0 153.6

Manual Integrations
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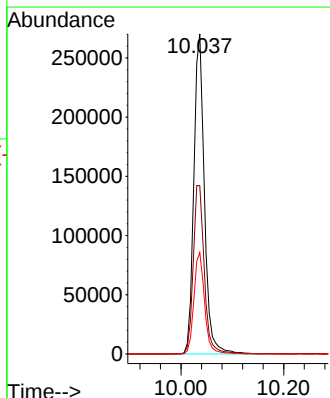
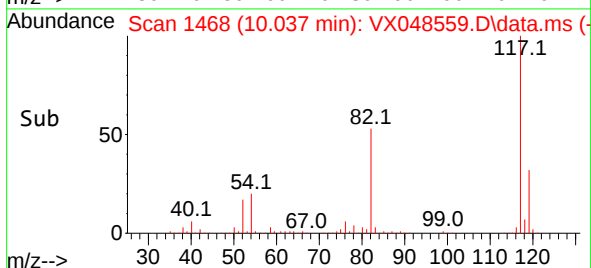
Reviewed By :John Carlone 11/12/2025
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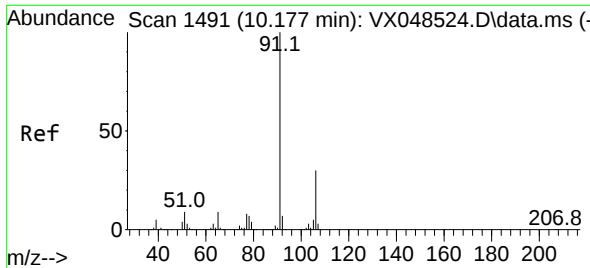


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25



Tgt Ion:117 Resp: 388013
Ion Ratio Lower Upper
117 100
82 52.5 44.4 66.6
119 31.7 25.1 37.7





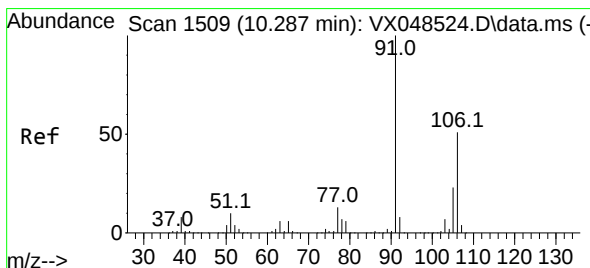
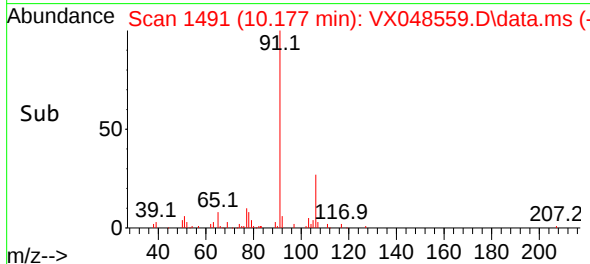
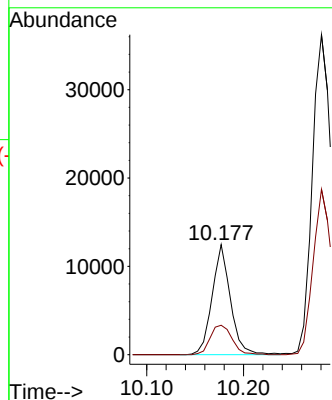
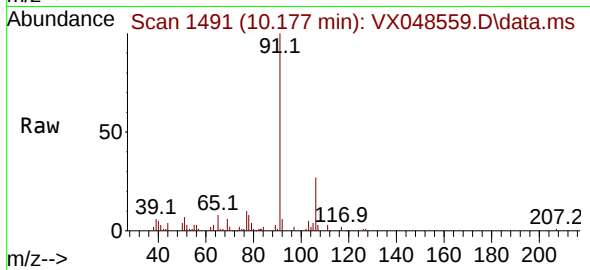
#67
Ethyl Benzene
Concen: 1.062 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
304641-01 Liquid

Tgt Ion: 91 Resp: 16419
Ion Ratio Lower Upper
91 100
106 26.7 24.1 36.1

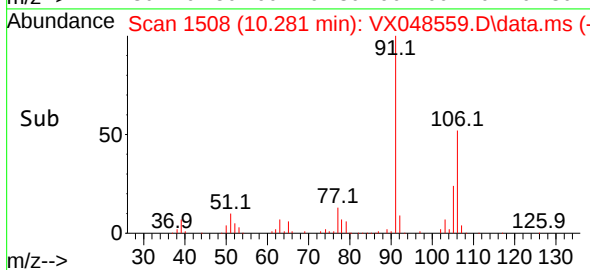
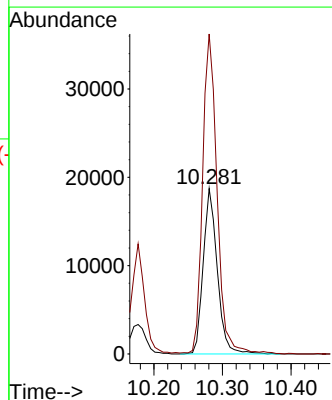
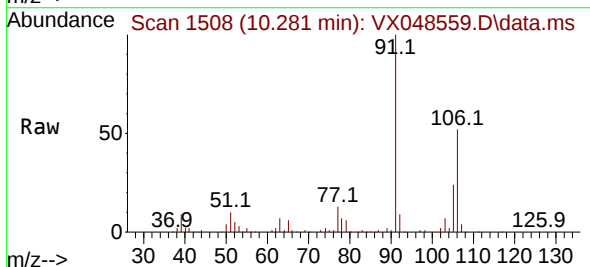
Manual Integrations
APPROVED

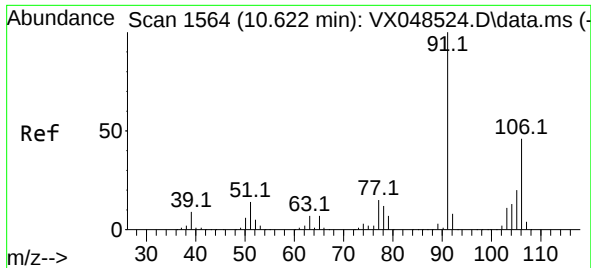
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#68
m/p-Xylenes
Concen: 4.608 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

Tgt Ion:106 Resp: 26838
Ion Ratio Lower Upper
106 100
91 198.9 159.6 239.4





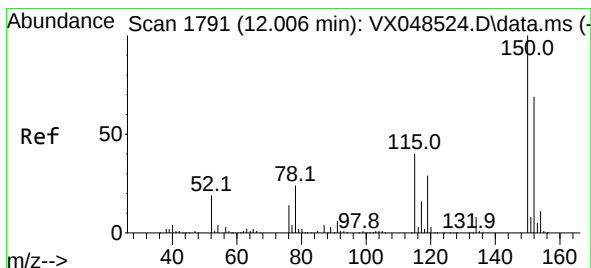
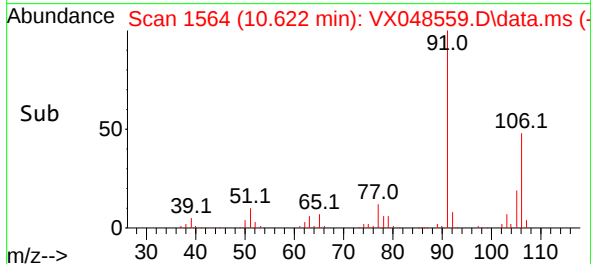
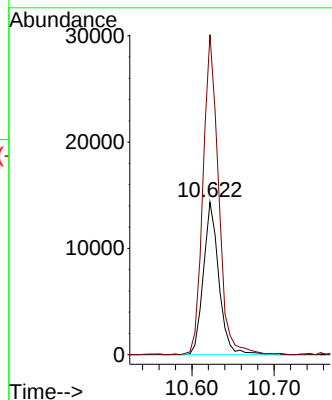
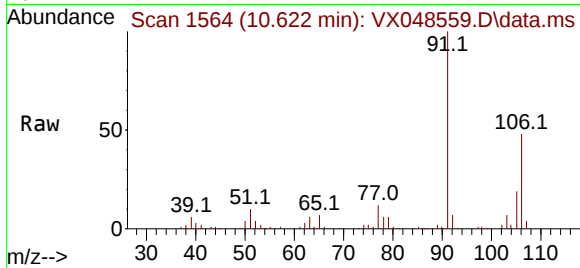
#69
o-Xylene
Concen: 3.280 ug/l
RT: 10.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
304641-01 Liquid

Tgt Ion:106 Resp: 18689
Ion Ratio Lower Upper
106 100
91 212.2 106.4 319.2

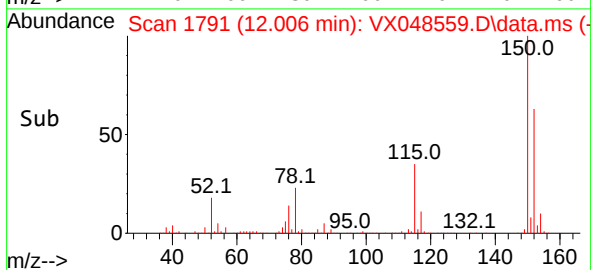
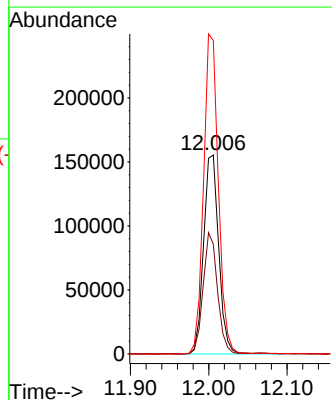
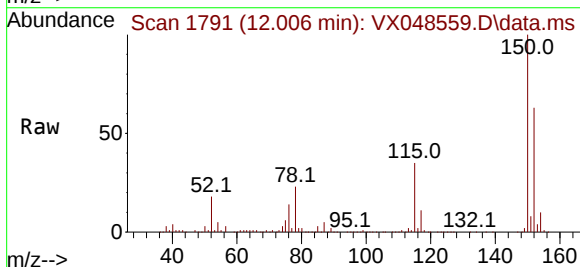
Manual Integrations
APPROVED

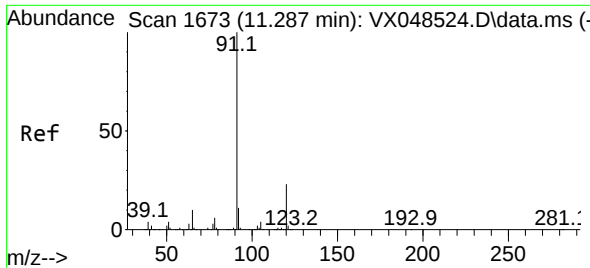
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

Tgt Ion:152 Resp: 207878
Ion Ratio Lower Upper
152 100
115 58.1 39.2 117.6
150 157.3 0.0 347.0





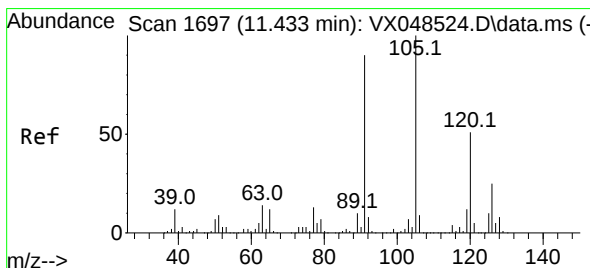
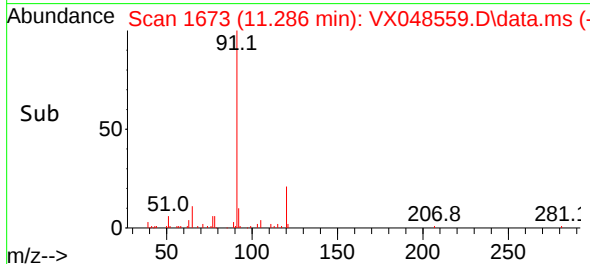
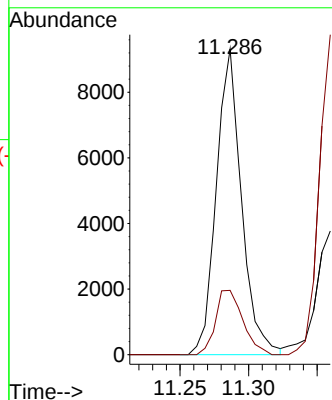
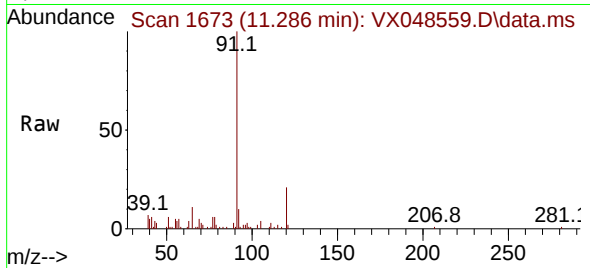
#78
n-propylbenzene
Concen: 0.670 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
304641-01 Liquid

Tgt Ion: 91 Resp: 1188
Ion Ratio Lower Upper
91 100
120 22.9 11.6 34.8

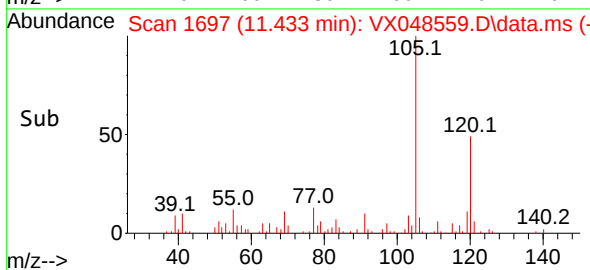
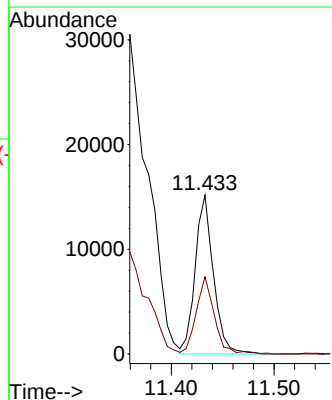
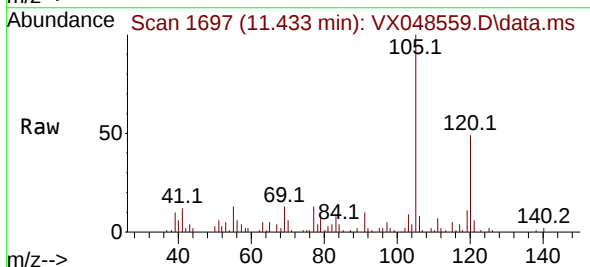
Manual Integrations
APPROVED

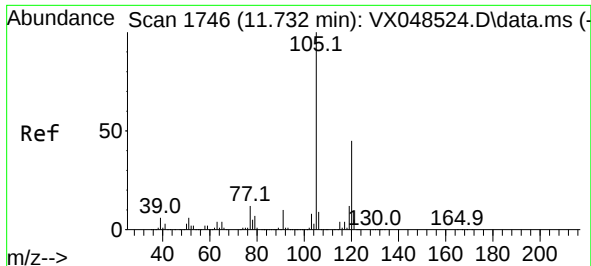
Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#80
1,3,5-Trimethylbenzene
Concen: 1.526 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

Tgt Ion:105 Resp: 18775
Ion Ratio Lower Upper
105 100
120 48.0 25.1 75.2





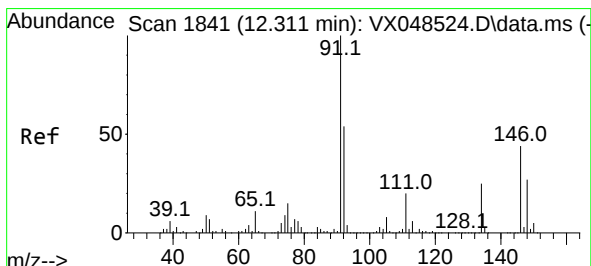
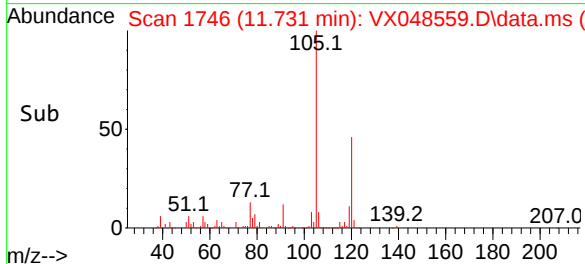
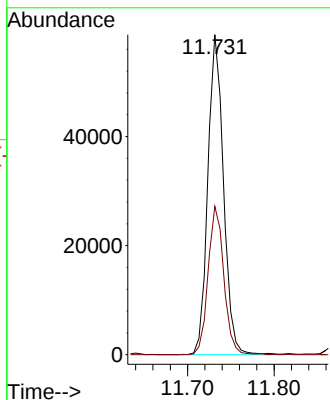
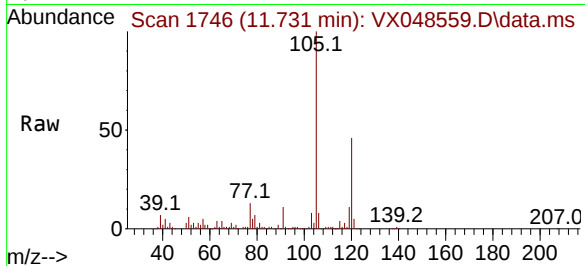
#84
1,2,4-Trimethylbenzene
Concen: 5.926 ug/l
RT: 11.731 min Scan# 11746
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
304641-01 Liquid

Tgt Ion:105 Resp: 73554
Ion Ratio Lower Upper
105 100
120 46.7 22.4 67.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#89
n-Butylbenzene
Concen: 0.926 ug/l m
RT: 12.311 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VX048559.D
Acq: 11 Nov 2025 13:25

Tgt Ion: 91 Resp: 11480
Ion Ratio Lower Upper
91 100
92 54.5 27.2 81.5
134 90.4 13.0 39.0#

