

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
 Data File : VX047711.D
 Acq On : 22 Sep 2025 17:35
 Operator : JC/MD
 Sample : Q3136-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34925

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/23/2025
 Supervised By : Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 01:39:31 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	5.544	168	145957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	304359	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	301892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	154720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	118430	50.976	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.960%			
35) Dibromofluoromethane	5.379	113	96867	47.456	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.920%			
50) Toluene-d8	8.635	98	339474	48.064	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.120%			
62) 4-Bromofluorobenzene	11.061	95	146402	54.617	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.240%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	2577	9.959	ug/l #	75
16) Acetone	2.380	43	51224	50.709	ug/l	96
17) Carbon Disulfide	2.520	76	10587	2.230	ug/l	99
18) Methyl Acetate	2.709	43	12100	5.382	ug/l	100
20) Methylene Chloride	2.794	84	23024	10.768	ug/l	94
25) 2-Butanone	4.550	43	9868m	7.831	ug/l	
37) Ethyl Acetate	4.708	43	7732m	2.421	ug/l	
40) Benzene	6.025	78	240149	26.509	ug/l	99
43) Isopropyl Acetate	6.330	43	10793	2.061	ug/l	95
52) Toluene	8.702	92	226329	40.551	ug/l	99
67) Ethyl Benzene	10.177	91	40583	3.429	ug/l	97
68) m/p-Xylenes	10.287	106	82140	18.649	ug/l	99
69) o-Xylene	10.628	106	54401	12.769	ug/l	100
70) Styrene	10.640	104	18149	2.431	ug/l #	60
80) 1,3,5-Trimethylbenzene	11.433	105	16528	1.710	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	75372	7.693	ug/l	67
95) Naphthalene	13.756	128	2305687	227.258	ug/l	100

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

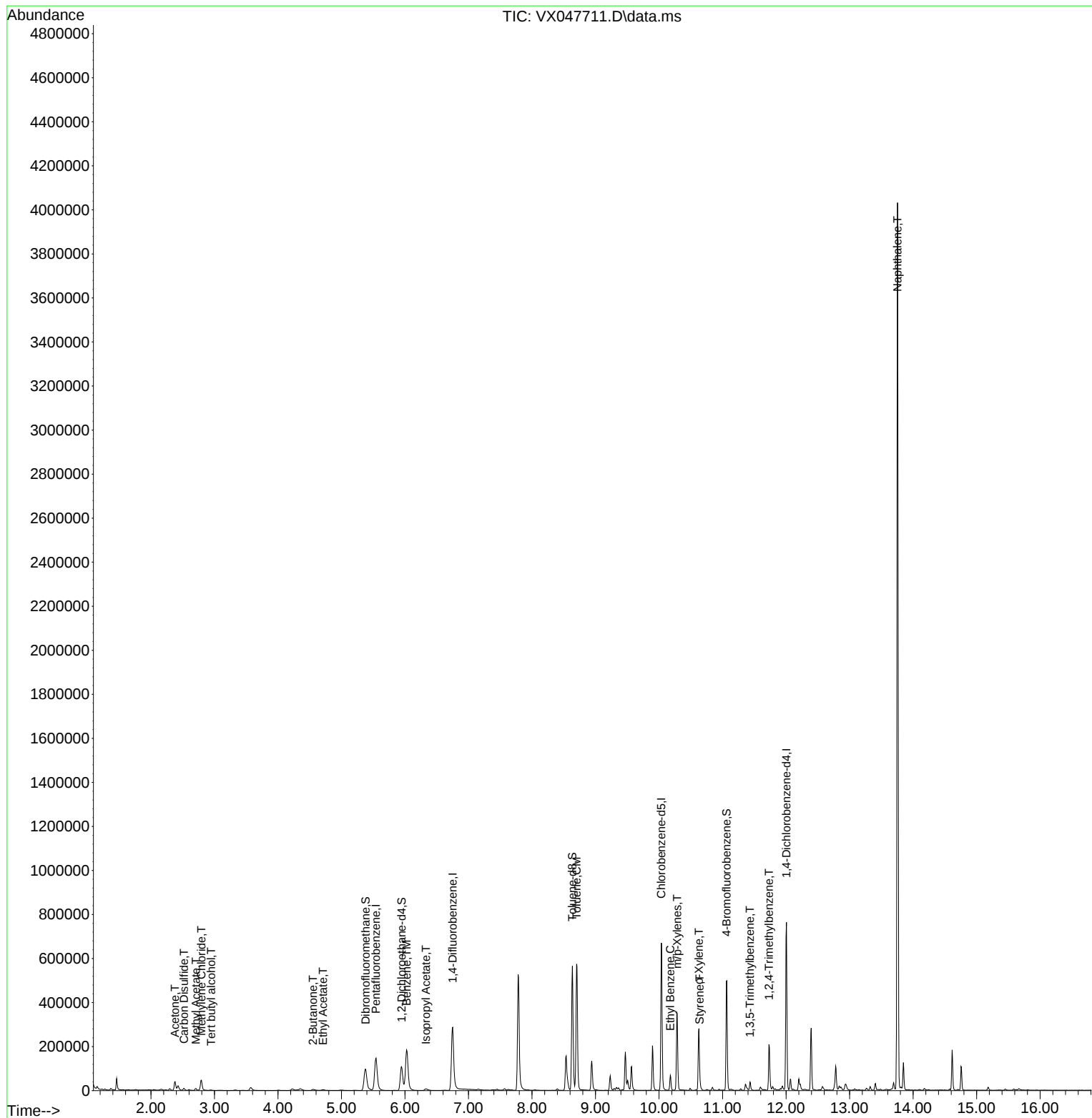
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
Data File : VX047711.D
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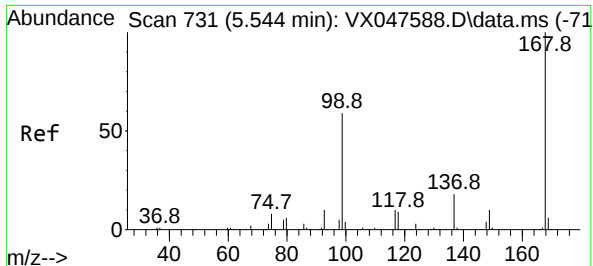
Instrument :
MSVOA_X
ClientSampleId :
34925

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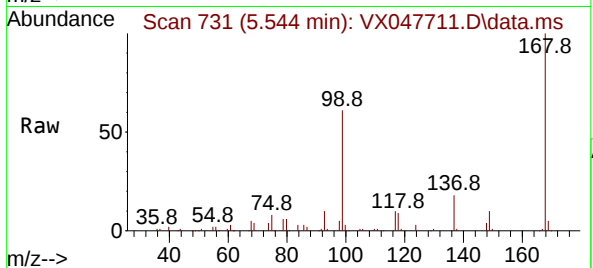
Quant Time: Sep 23 01:39:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

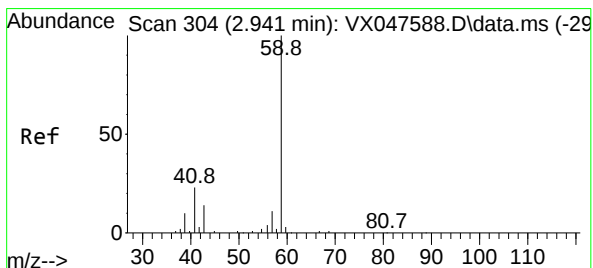
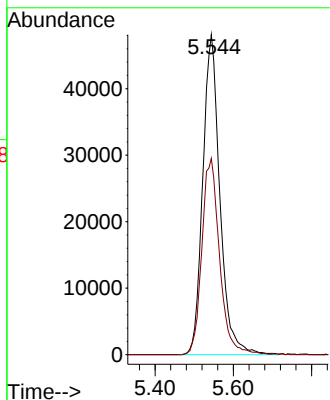
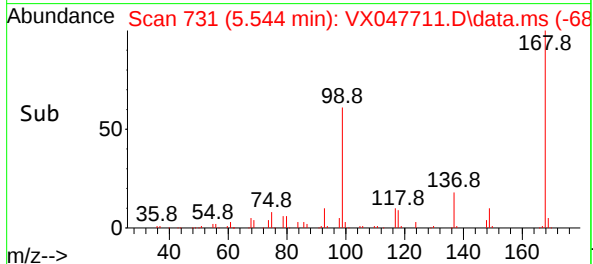
Instrument :
MSVOA_X
ClientSampleId :
34925



Tgt Ion:168 Resp: 14595
Ion Ratio Lower Upper
168 100
99 61.4 48.8 73.2

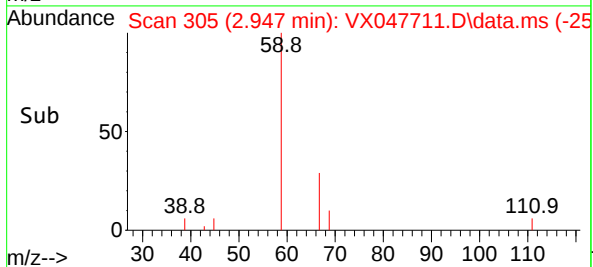
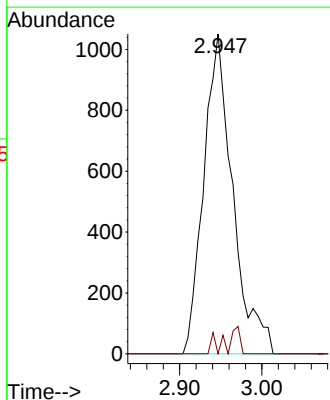
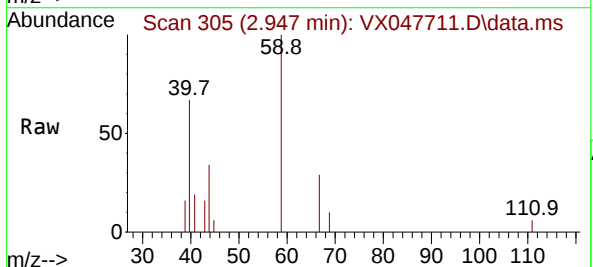
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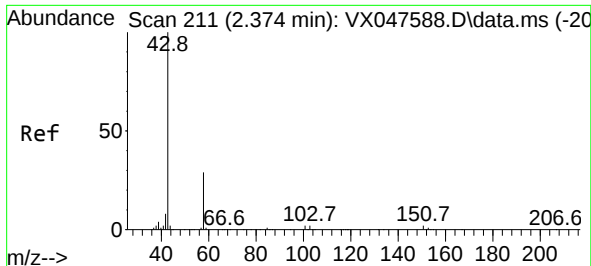
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#11
Tert butyl alcohol
Concen: 9.959 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

Tgt Ion: 59 Resp: 2577
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#





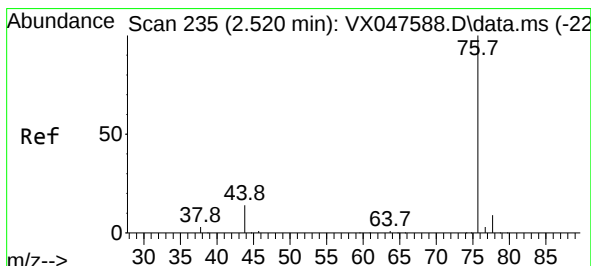
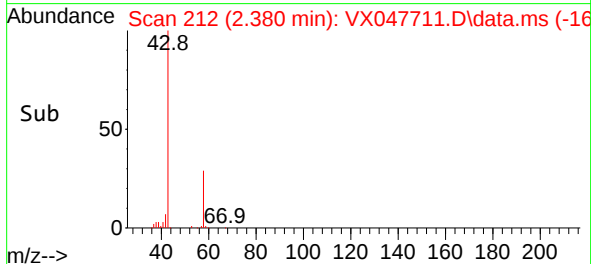
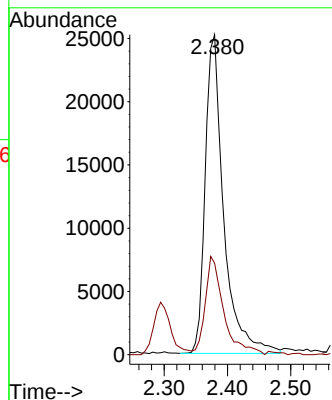
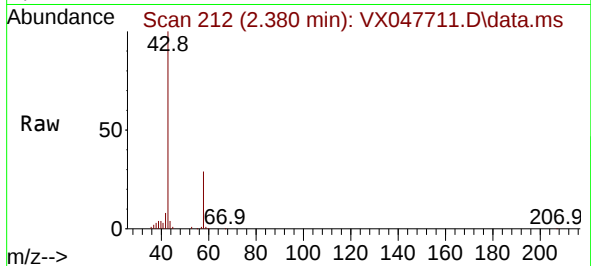
#16
Acetone
Concen: 50.709 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
34925

Tgt Ion: 43 Resp: 51224
Ion Ratio Lower Upper
43 100
58 26.9 23.4 35.0

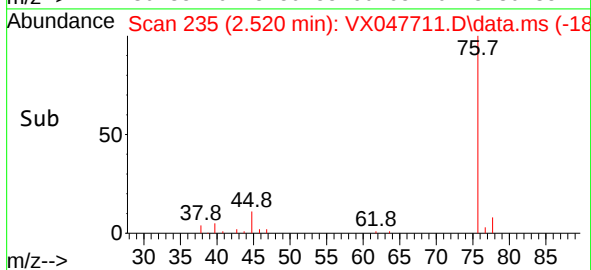
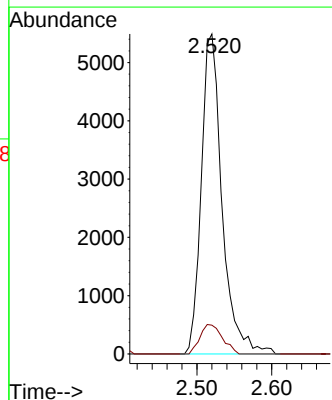
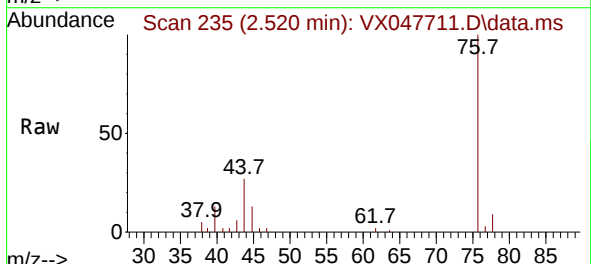
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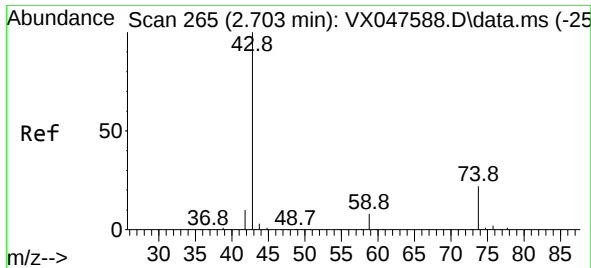
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#17
Carbon Disulfide
Concen: 2.230 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

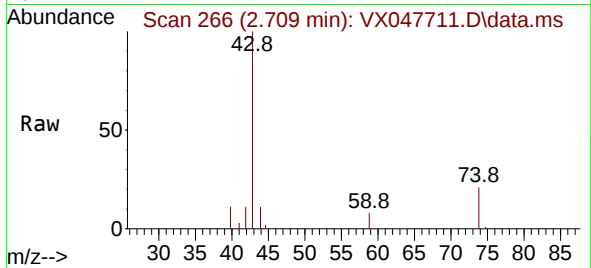
Tgt Ion: 76 Resp: 10587
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2





#18
Methyl Acetate
Concen: 5.382 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

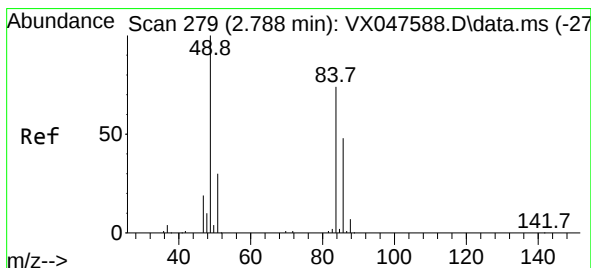
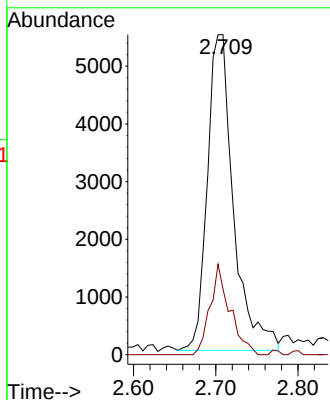
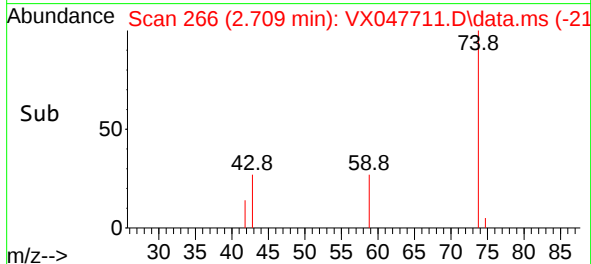
Instrument :
MSVOA_X
ClientSampleId :
34925



Tgt Ion: 43 Resp: 12100
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2

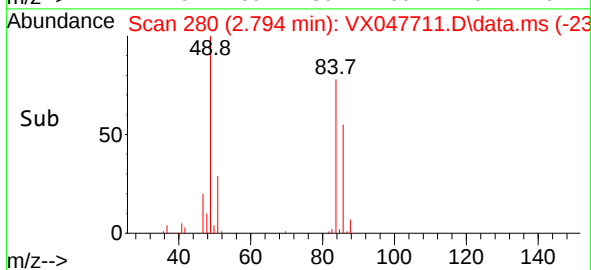
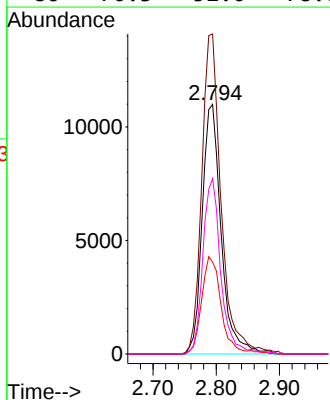
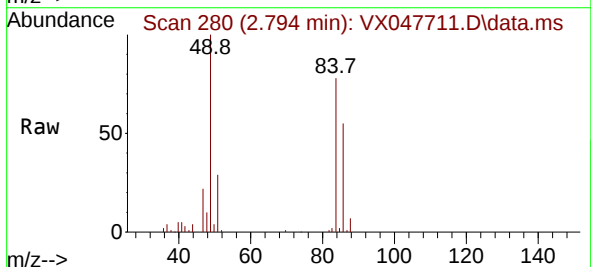
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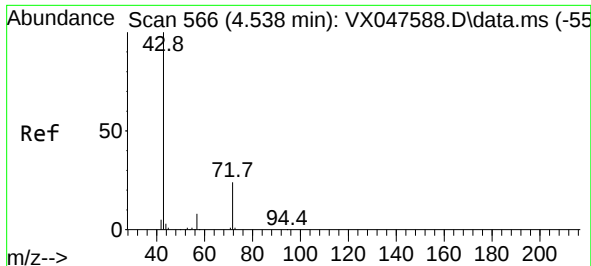
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#20
Methylene Chloride
Concen: 10.768 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

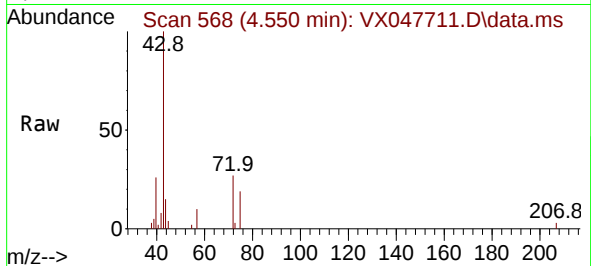
Tgt Ion: 84 Resp: 23024
Ion Ratio Lower Upper
84 100
49 128.2 108.6 162.8
51 36.8 32.6 48.8
86 70.3 52.0 78.0





#25
2-Butanone
Concen: 7.831 ug/l m
RT: 4.550 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

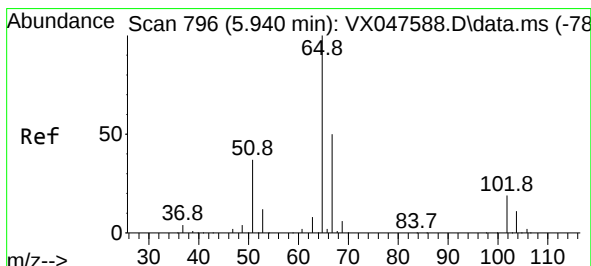
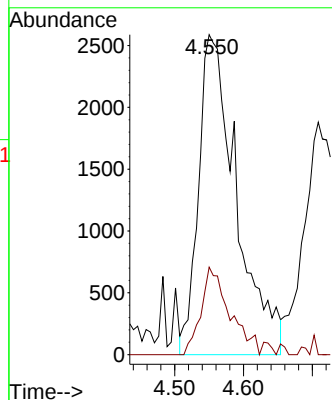
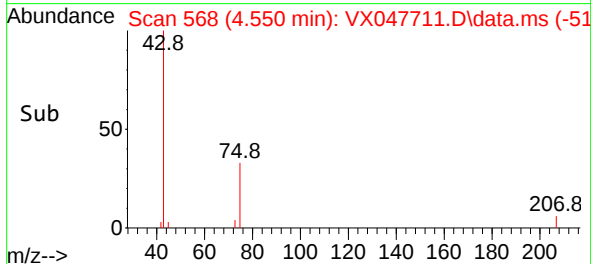
Instrument :
MSVOA_X
ClientSampleId :
34925



Tgt Ion: 43 Resp: 986
Ion Ratio Lower Upper
43 100
72 27.4 20.1 30.1

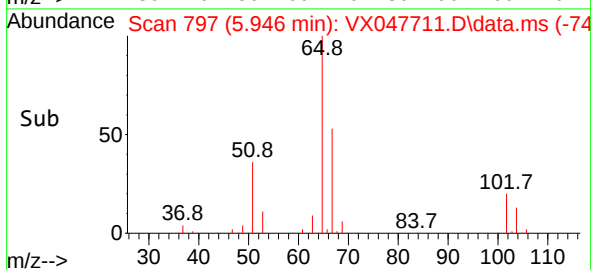
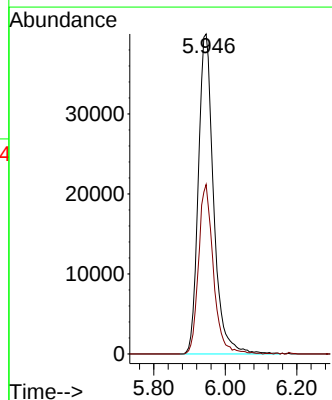
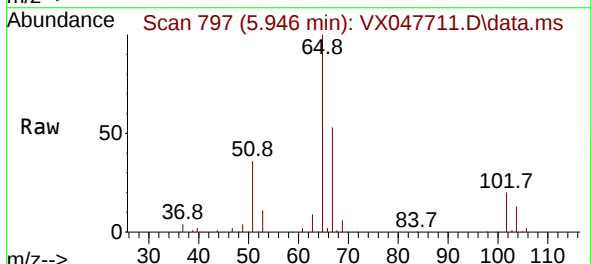
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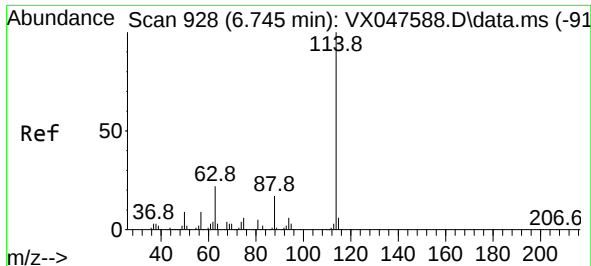
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#33
1,2-Dichloroethane-d4
Concen: 50.976 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

Tgt Ion: 65 Resp: 118430
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0





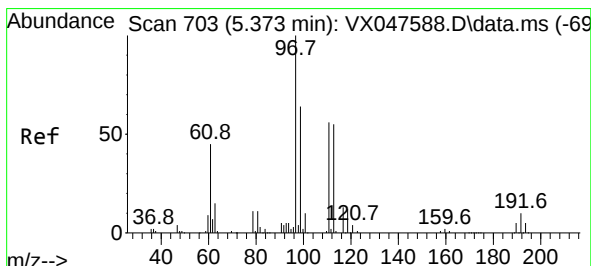
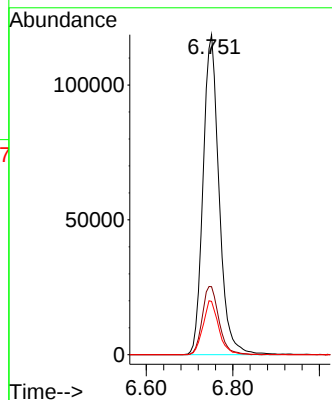
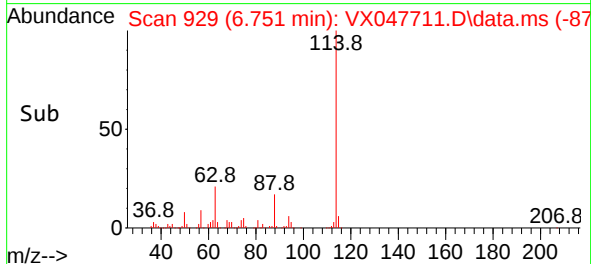
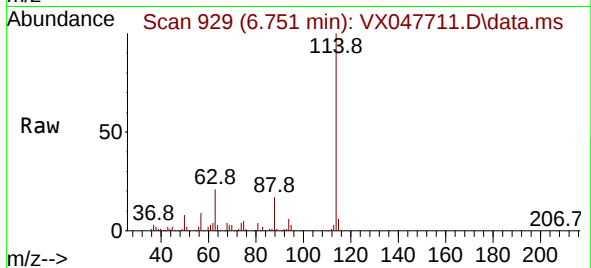
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
34925

Tgt Ion:114 Resp: 304359
Ion Ratio Lower Upper
114 100
63 21.2 0.0 44.0
88 16.6 0.0 34.2

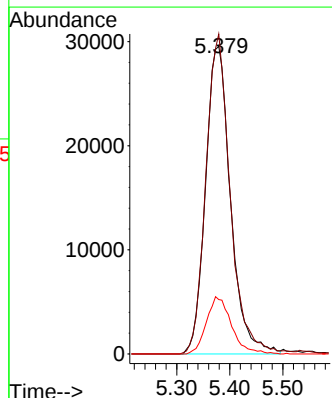
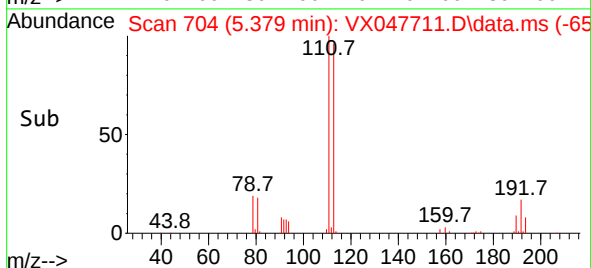
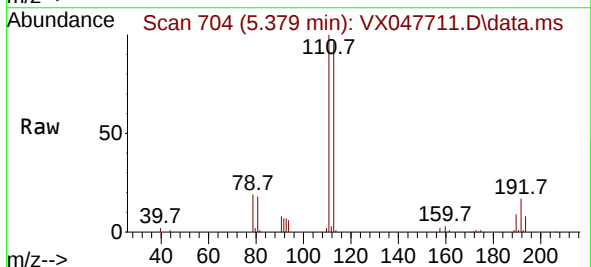
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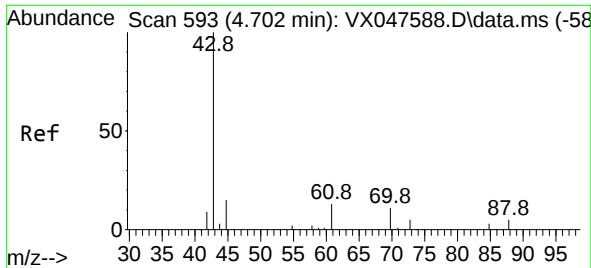
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#35
Dibromofluoromethane
Concen: 47.456 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

Tgt Ion:113 Resp: 96867
Ion Ratio Lower Upper
113 100
111 101.4 80.9 121.3
192 18.6 14.2 21.4





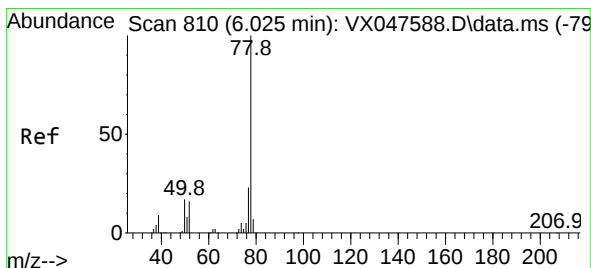
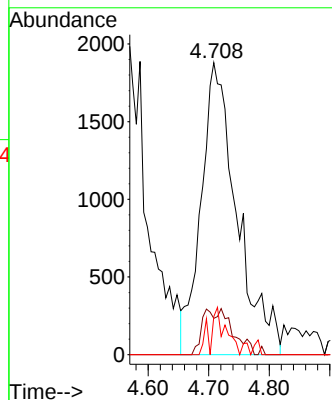
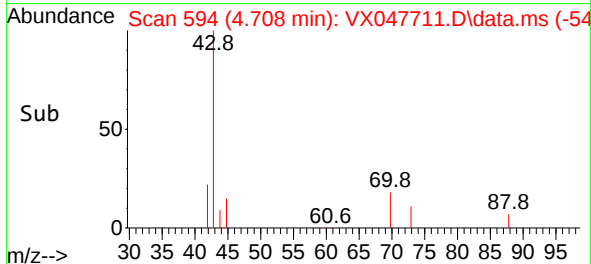
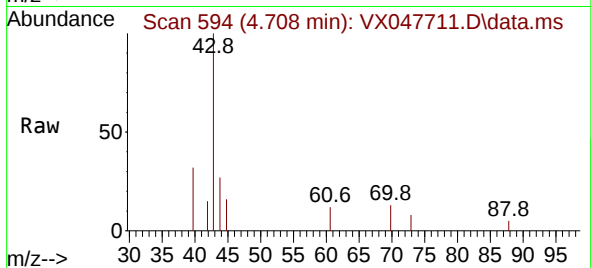
#37
Ethyl Acetate
Concen: 2.421 ug/l m
RT: 4.708 min Scan# 593
Delta R.T. 0.006 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
34925

Tgt Ion: 43 Resp: 773
Ion Ratio Lower Upper
43 100
61 5.5 9.8 14.8
70 7.0 7.9 11.9

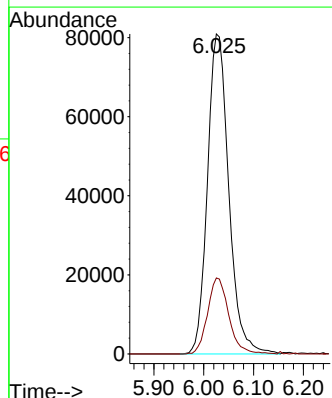
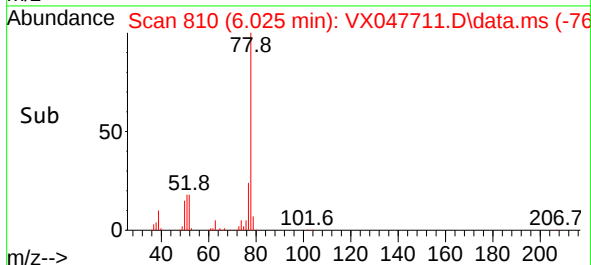
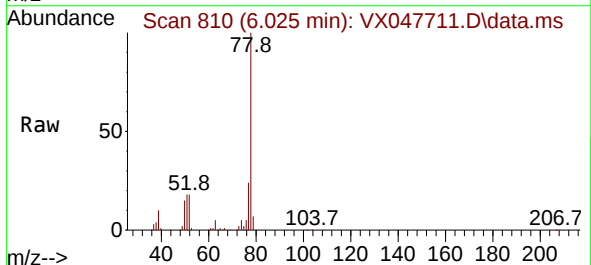
Manual Integrations
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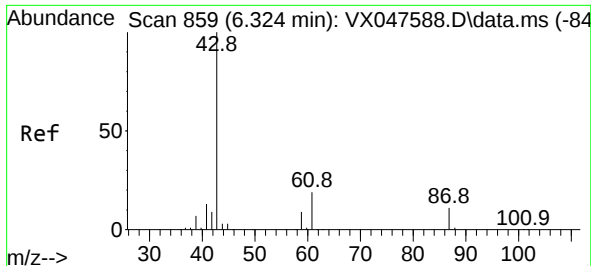
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#40
Benzene
Concen: 26.509 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

Tgt Ion: 78 Resp: 240149
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





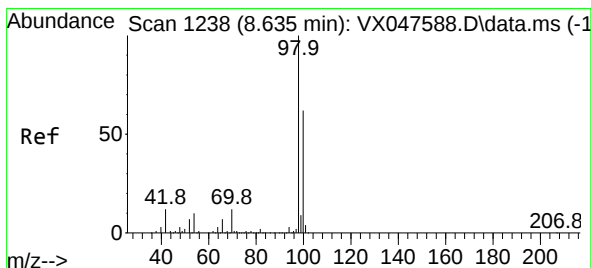
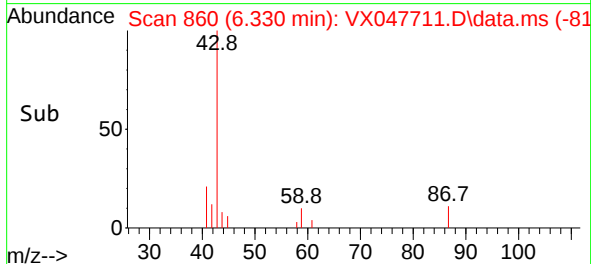
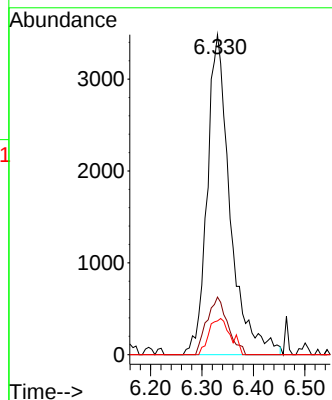
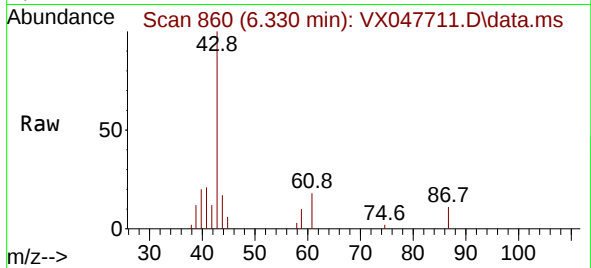
#43
Isopropyl Acetate
Concen: 2.061 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
34925

Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
61 16.3 15.2 22.8
87 10.6 9.6 14.4

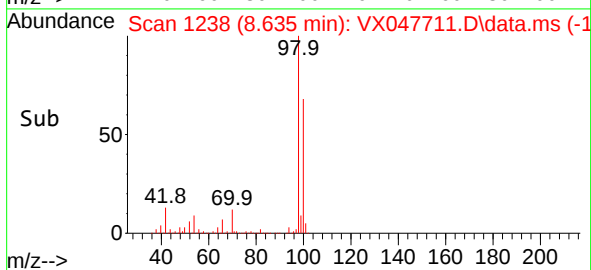
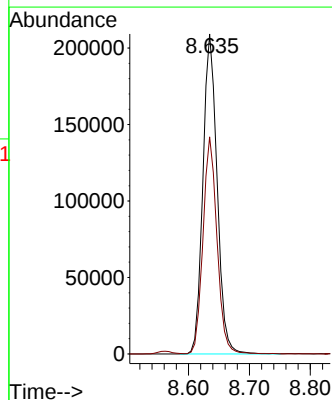
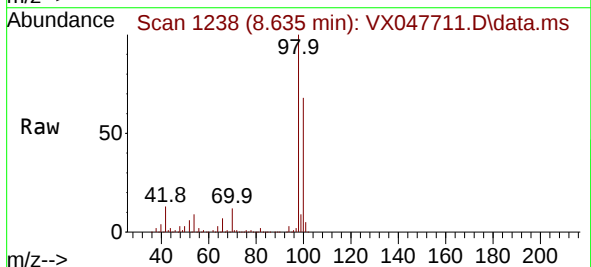
Manual Integrations
APPROVED

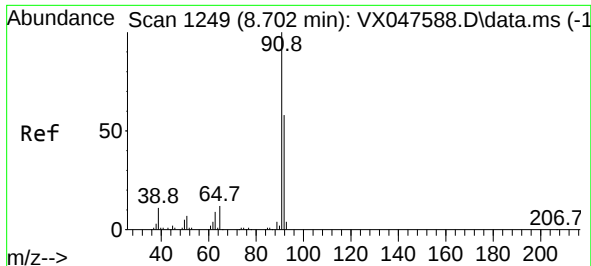
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#50
Toluene-d8
Concen: 48.064 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

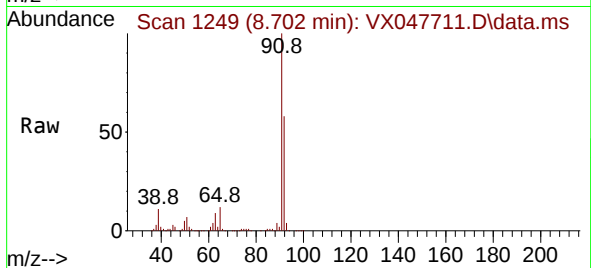
Tgt Ion: 98 Resp: 339474
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4





#52
Toluene
Concen: 40.551 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

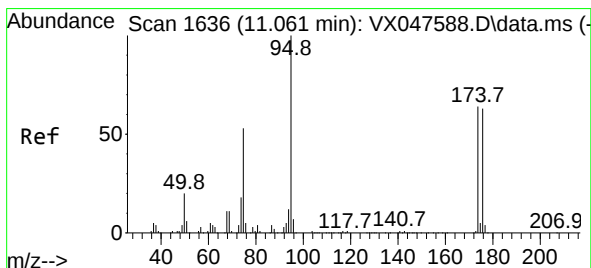
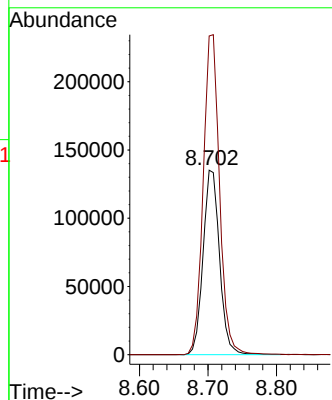
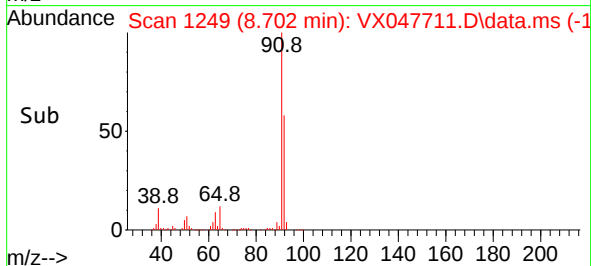
Instrument :
MSVOA_X
ClientSampleId :
34925



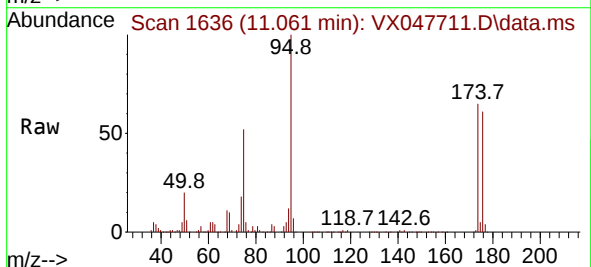
Tgt Ion: 92 Resp: 226329
Ion Ratio Lower Upper
92 100
91 172.3 137.1 205.7

Manual Integrations
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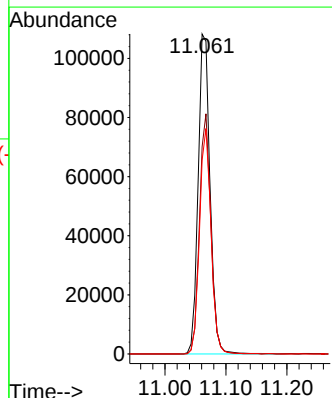
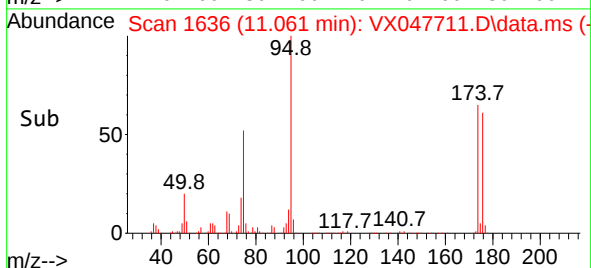
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

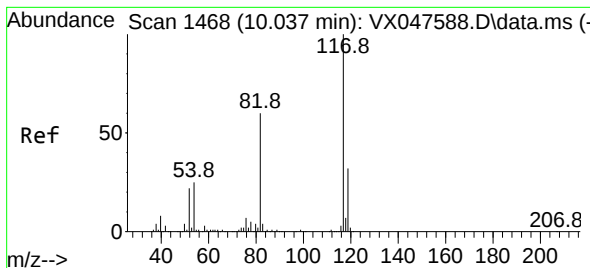


#62
4-Bromofluorobenzene
Concen: 54.617 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35



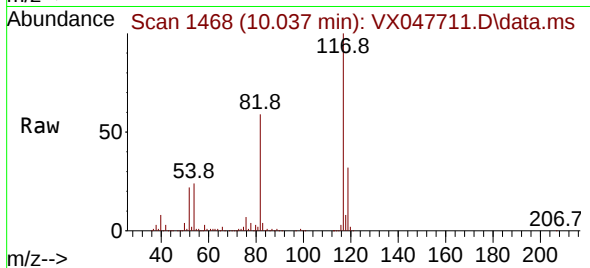
Tgt Ion: 95 Resp: 146402
Ion Ratio Lower Upper
95 100
174 71.8 0.0 141.6
176 68.2 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

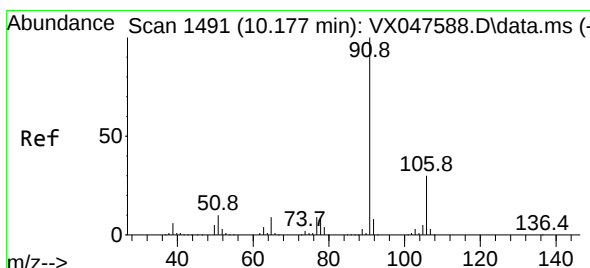
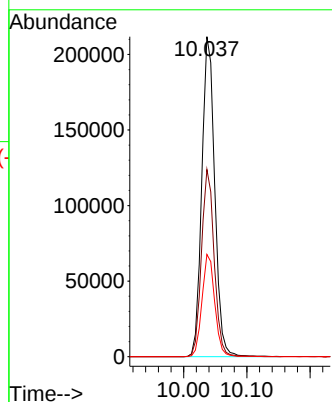
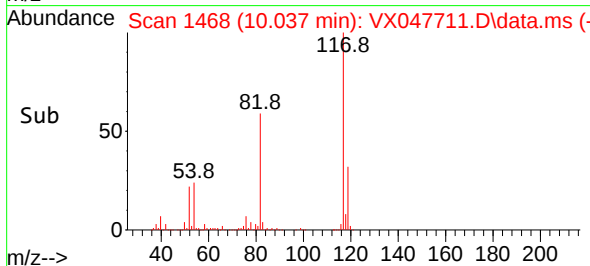
Instrument :
MSVOA_X
ClientSampleId :
34925



Tgt Ion: 117 Resp: 301892
Ion Ratio Lower Upper
117 100
82 58.5 47.8 71.6
119 32.0 25.2 37.8

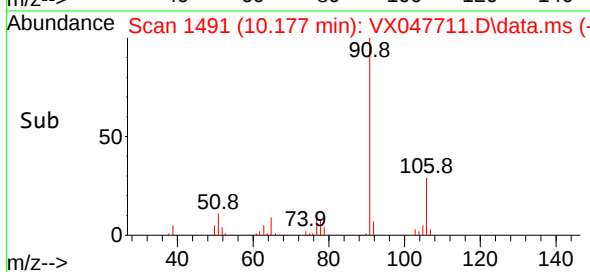
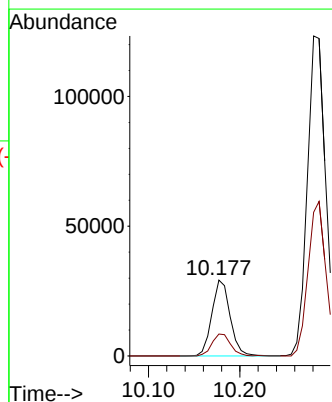
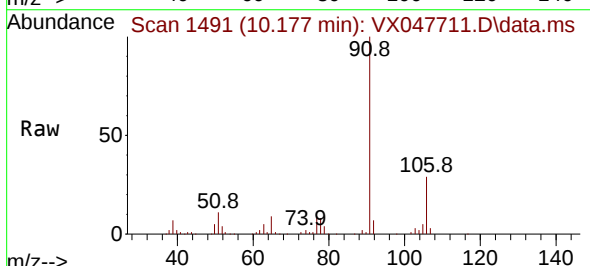
Manual Integrations
APPROVED

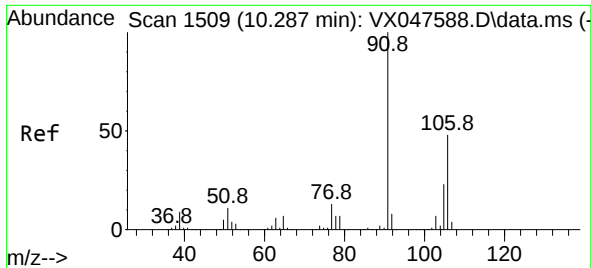
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#67
Ethyl Benzene
Concen: 3.429 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

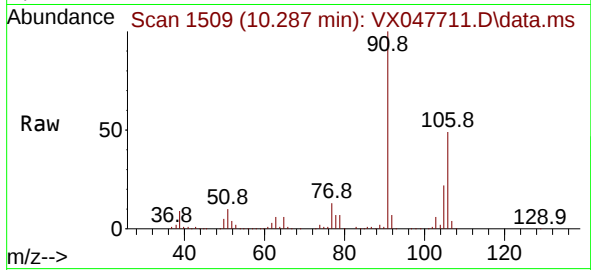
Tgt Ion: 91 Resp: 40583
Ion Ratio Lower Upper
91 100
106 28.8 24.3 36.5





#68
m/p-Xylenes
Concen: 18.649 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

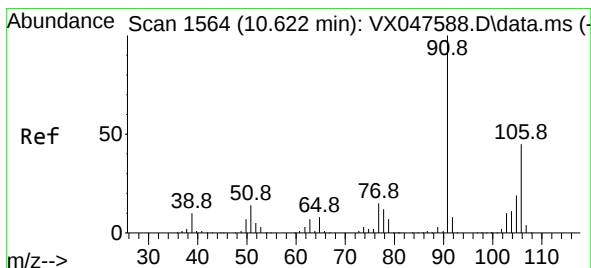
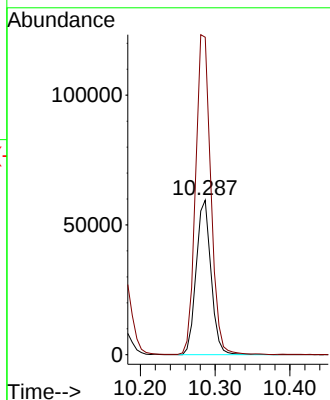
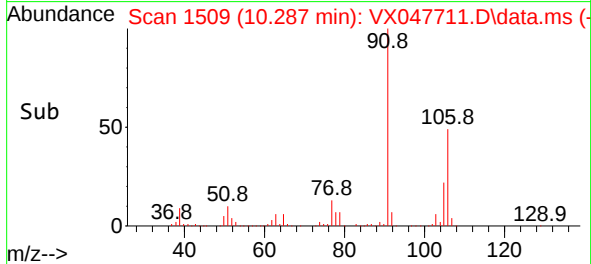
Instrument :
MSVOA_X
ClientSampleId :
34925



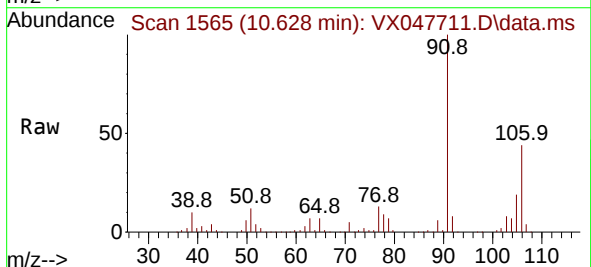
Tgt Ion:106 Resp: 82140
Ion Ratio Lower Upper
106 100
91 211.8 167.8 251.8

Manual Integrations
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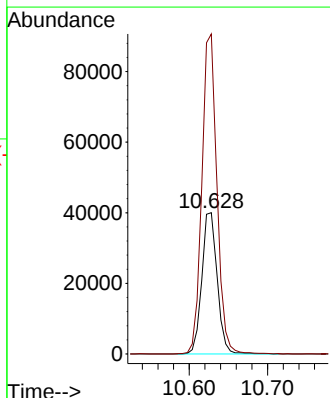
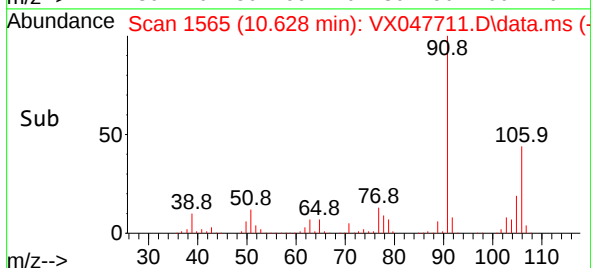
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

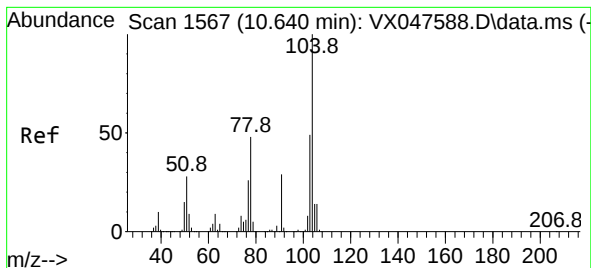


#69
o-Xylene
Concen: 12.769 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35



Tgt Ion:106 Resp: 54401
Ion Ratio Lower Upper
106 100
91 222.8 111.1 333.4





#70

Styrene

Concen: 2.431 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047711.D

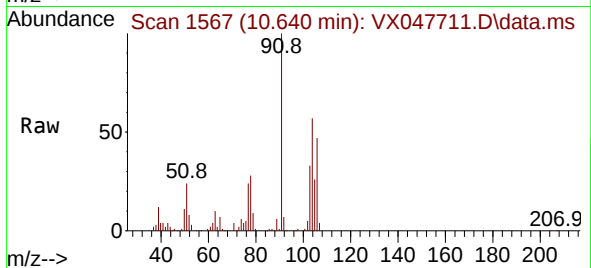
Acq: 22 Sep 2025 17:35

Instrument :

MSVOA_X

ClientSampleId :

34925



Tgt Ion:104 Resp: 18149

Ion Ratio Lower Upper

104 100

78 84.4 43.1 64.7

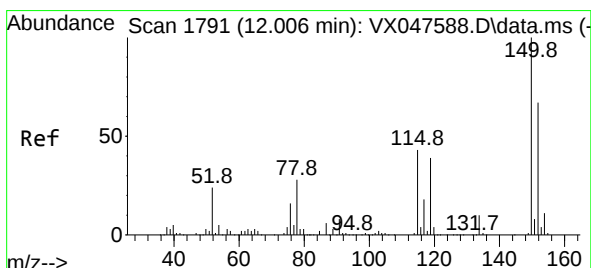
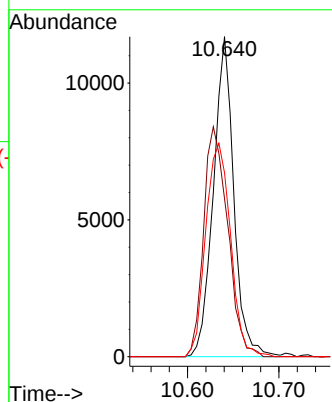
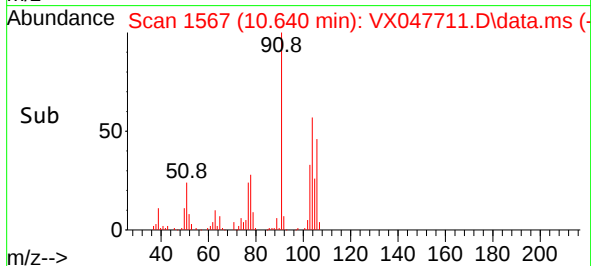
103 81.0 43.1 64.7

Manual Integrations

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Reviewed By :John Carlone 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047711.D

Acq: 22 Sep 2025 17:35

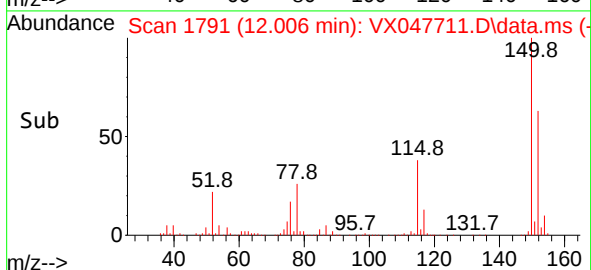
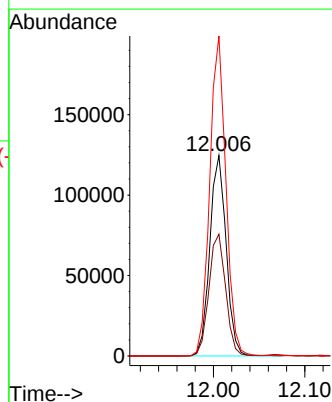
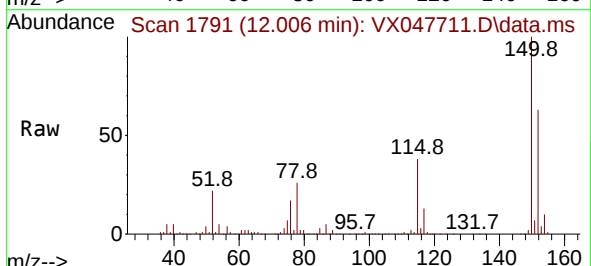
Tgt Ion:152 Resp: 154720

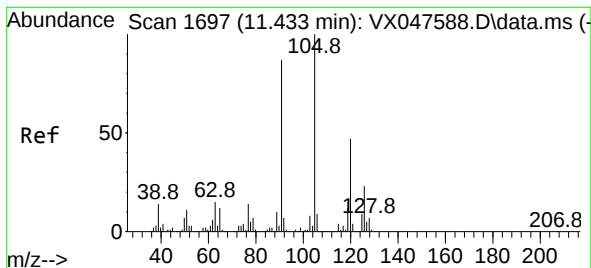
Ion Ratio Lower Upper

152 100

115 62.2 44.9 134.5

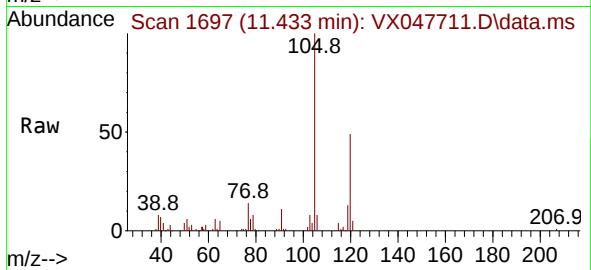
150 157.5 0.0 352.0





#80
1,3,5-Trimethylbenzene
Concen: 1.710 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

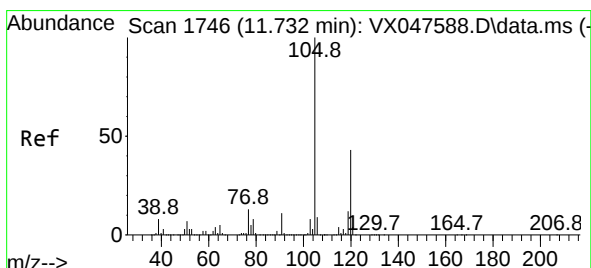
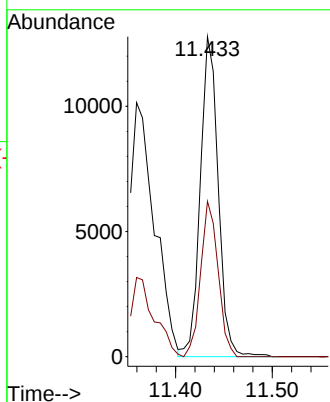
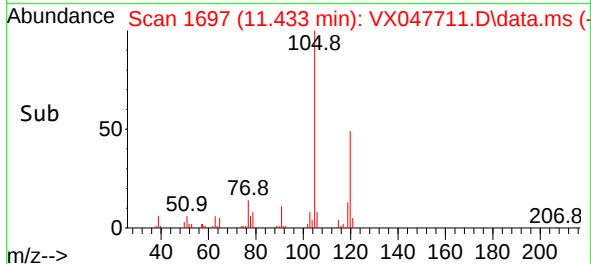
Instrument :
MSVOA_X
ClientSampleId :
34925



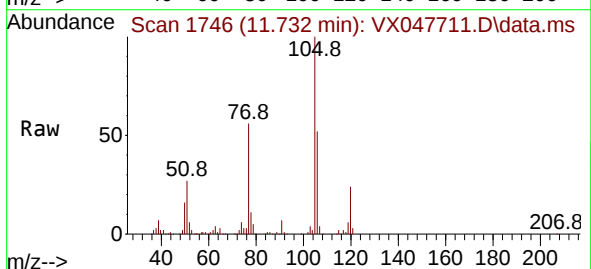
Tgt Ion:105 Resp: 16528
Ion Ratio Lower Upper
105 100
120 47.1 23.6 70.8

Manual Integrations
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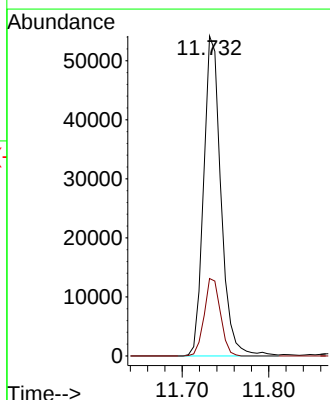
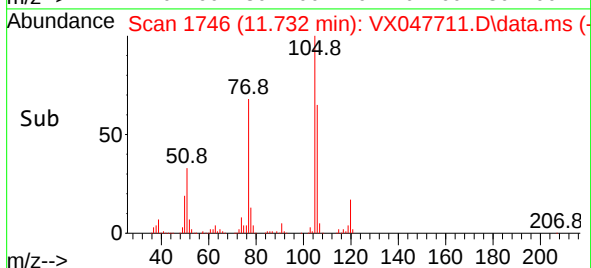
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

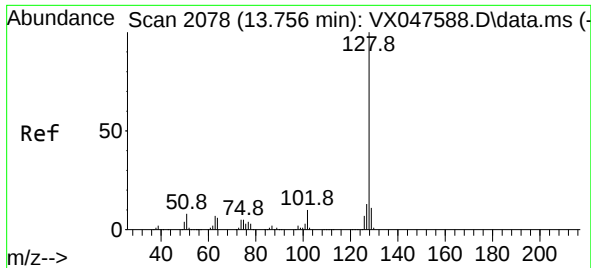


#84
1,2,4-Trimethylbenzene
Concen: 7.693 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35



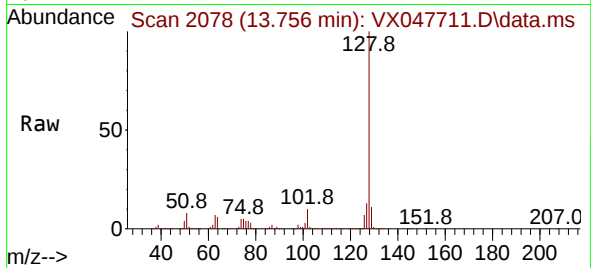
Tgt Ion:105 Resp: 75372
Ion Ratio Lower Upper
105 100
120 22.6 22.1 66.1





#95
Naphthalene
Concen: 227.258 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047711.D
Acq: 22 Sep 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
34925



Tgt Ion:128 Resp: 230568
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.1 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

