

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046484.D
 Acq On : 03 Jun 2025 19:38
 Operator : JC/MD
 Sample : Q2169-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-1

Quant Time: Jun 04 01:34:19 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	5.544	168	71601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	140457	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68928	51.636	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.280%			
35) Dibromofluoromethane	5.385	113	50989	50.412	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.820%			
50) Toluene-d8	8.647	98	176085	50.300	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.600%			
62) 4-Bromofluorobenzene	11.079	95	69272	51.587	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.180%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.977	59	3224	17.206	ug/l #	82
16) Acetone	2.386	43	25007	46.723	ug/l	96
17) Carbon Disulfide	2.508	76	2693	1.338	ug/l	99
18) Methyl Acetate	2.709	43	2514m	2.024	ug/l	
20) Methylene Chloride	2.788	84	957	0.933	ug/l #	87
25) 2-Butanone	4.587	43	6473	8.330	ug/l #	88
31) Cyclohexane	5.458	56	2440	1.534	ug/l	94
39) Methylcyclohexane	7.379	83	5220	2.984	ug/l	95
40) Benzene	6.038	78	23497	5.903	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	56787	33.399	ug/l	100
52) Toluene	8.714	92	271954	111.420	ug/l	98
67) Ethyl Benzene	10.189	91	317292	62.492	ug/l	99
68) m/p-Xylenes	10.299	106	417116	224.620	ug/l	97
69) o-Xylene	10.640	106	238913	131.969	ug/l	97
73) Isopropylbenzene	10.957	105	36070	7.608	ug/l	99
78) n-propylbenzene	11.305	91	90919	16.493	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	156180	39.431	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	664618	165.696	ug/l	99
85) sec-Butylbenzene	11.890	105	18480m	3.772	ug/l	
86) p-Isopropyltoluene	12.006	119	34042	8.419	ug/l	98
95) Naphthalene	13.774	128	453839	106.874	ug/l	99

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

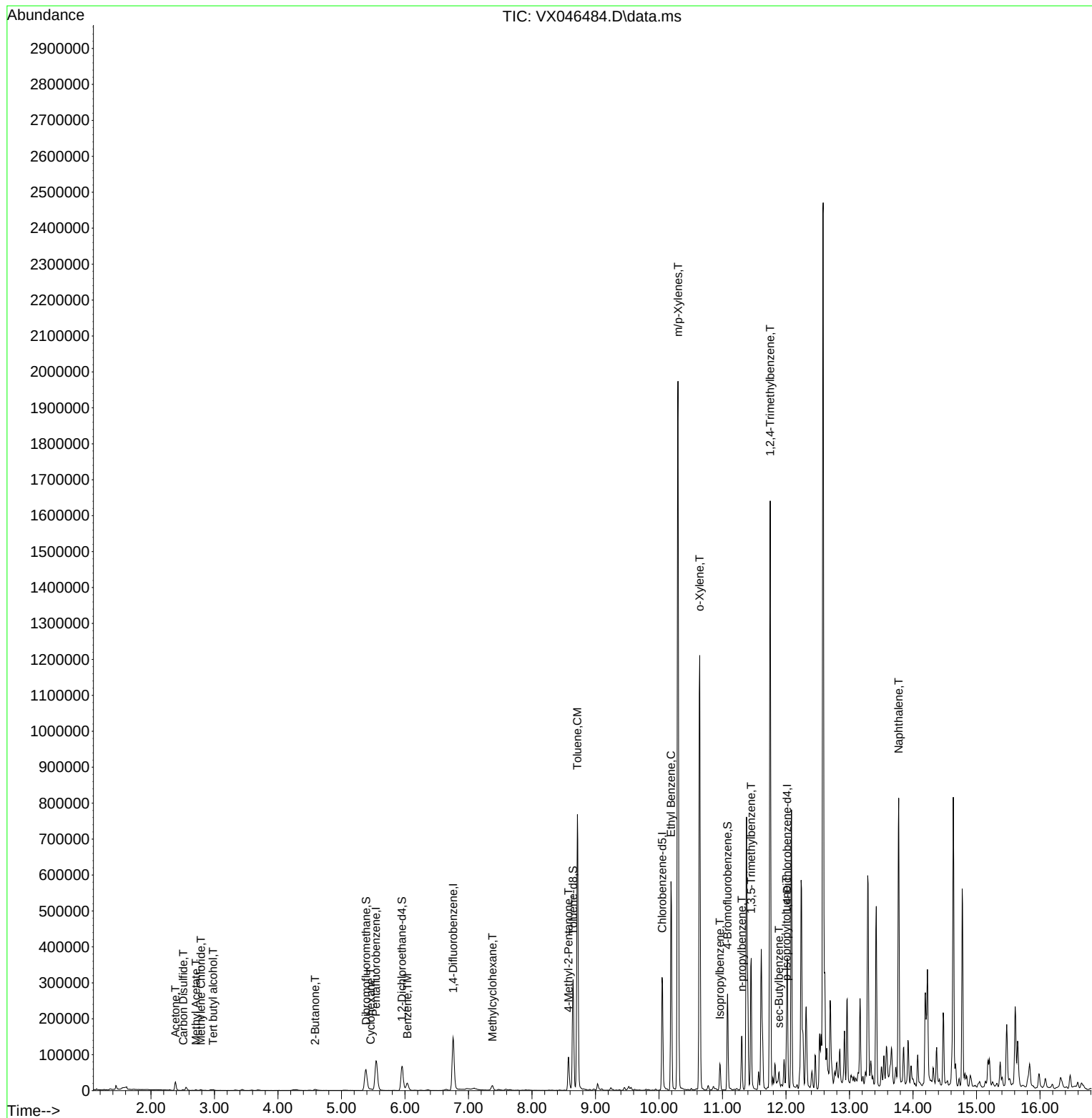
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
Data File : VX046484.D
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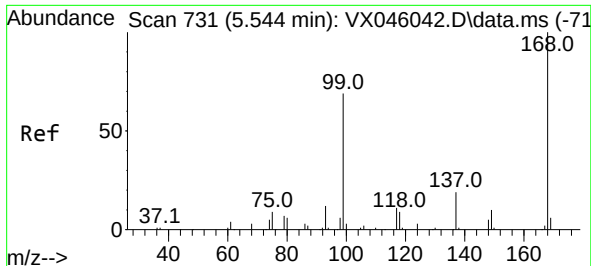
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

Quant Time: Jun 04 01:34:19 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

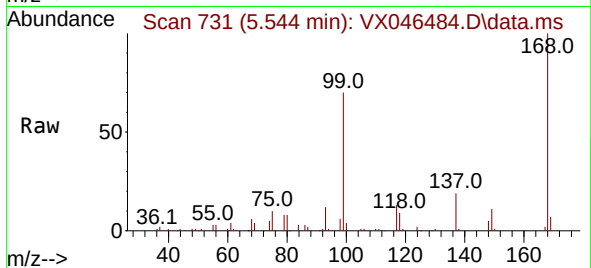
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

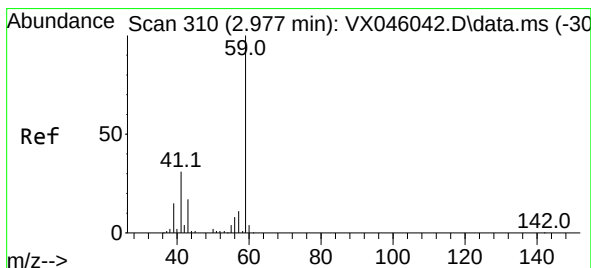
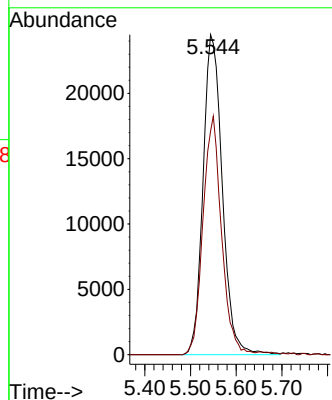
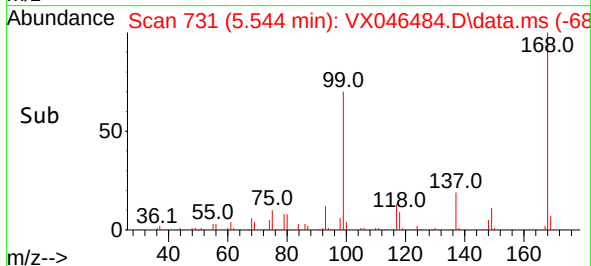
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1



Tgt Ion:168 Resp: 7160
Ion Ratio Lower Upper
168 100
99 69.9 54.9 82.3

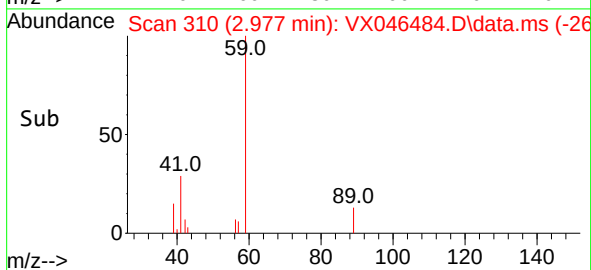
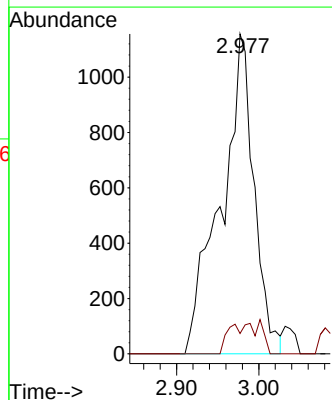
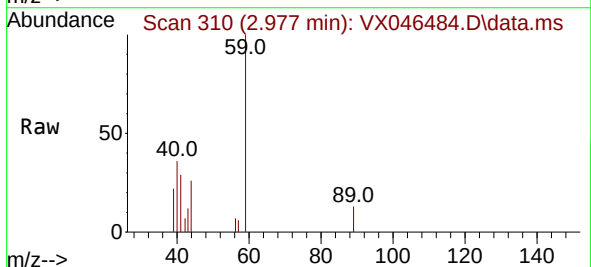
Manual Integrations
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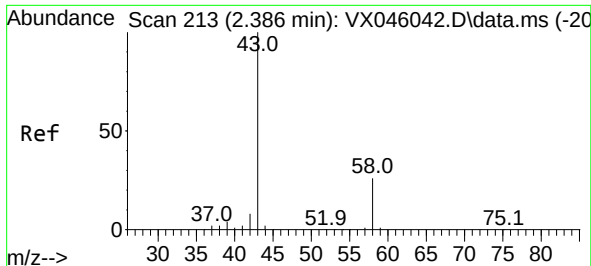
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#11
Tert butyl alcohol
Concen: 17.206 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

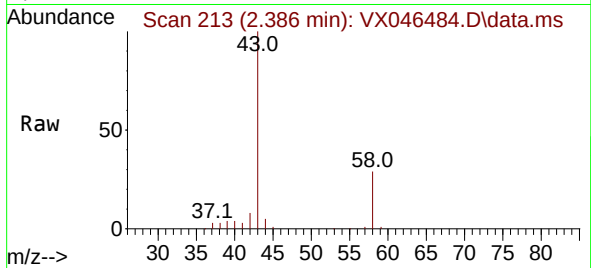
Tgt Ion: 59 Resp: 3224
Ion Ratio Lower Upper
59 100
57 3.9 8.6 12.8#





#16
Acetone
Concen: 46.723 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

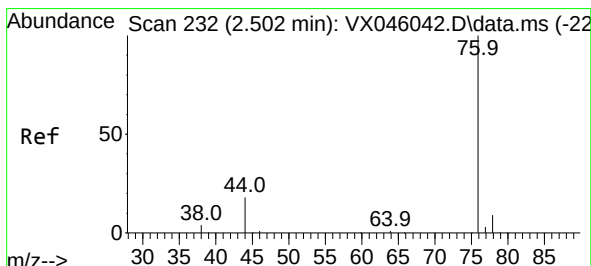
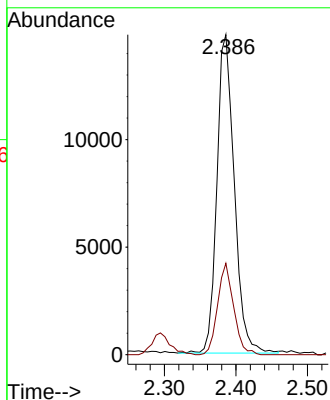
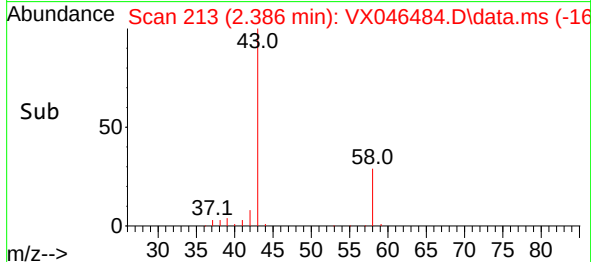
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1



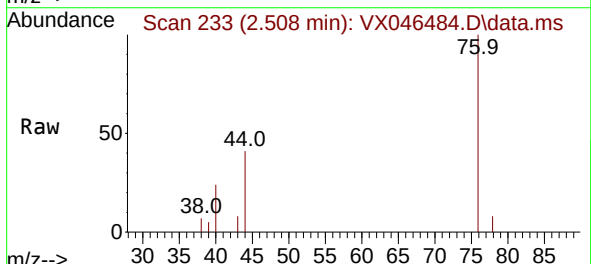
Tgt Ion: 43 Resp: 2500
Ion Ratio Lower Upper
43 100
58 28.7 21.2 31.8

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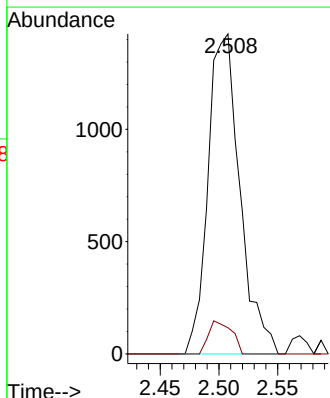
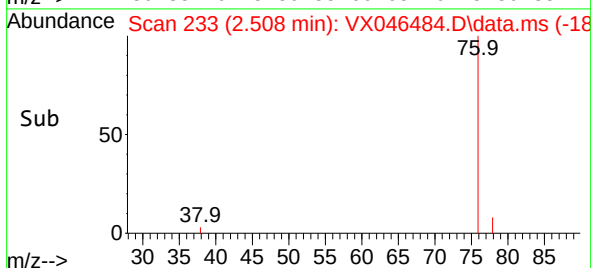
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

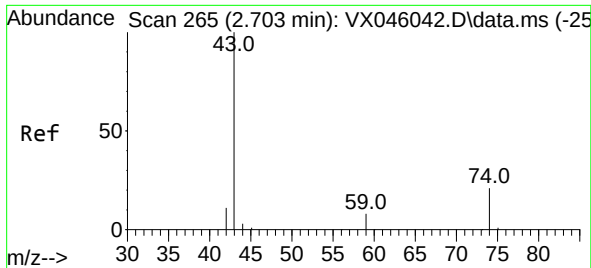


#17
Carbon Disulfide
Concen: 1.338 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38



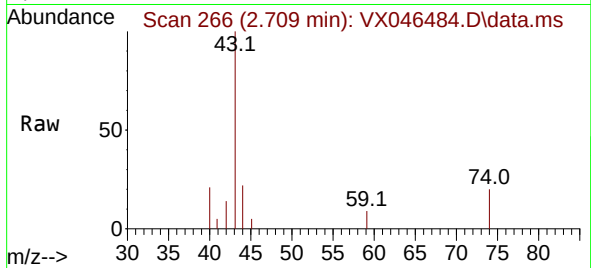
Tgt Ion: 76 Resp: 2693
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.4





#18
Methyl Acetate
Concen: 2.024 ug/l m
RT: 2.709 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

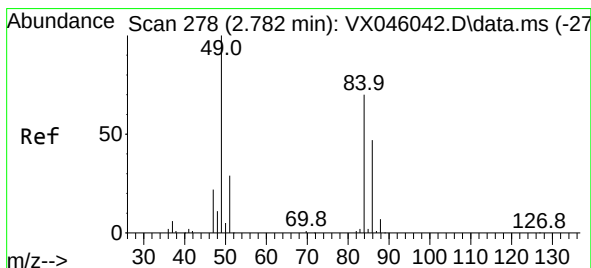
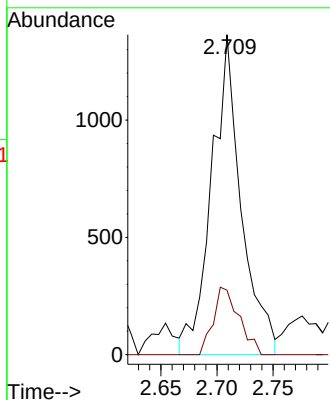
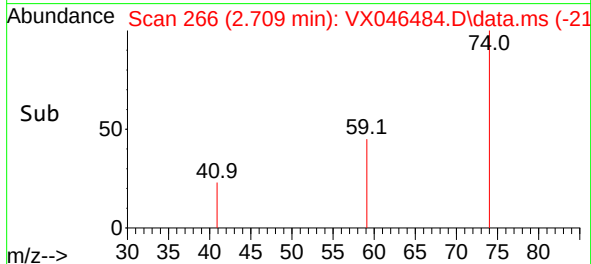
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1



Tgt Ion: 43 Resp: 2514
Ion Ratio Lower Upper
43 100
74 18.3 16.7 25.1

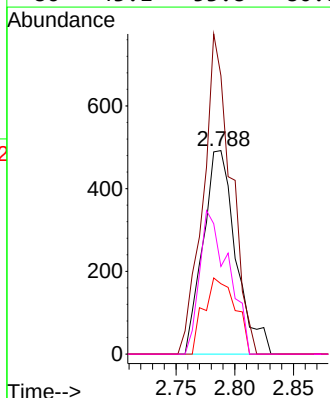
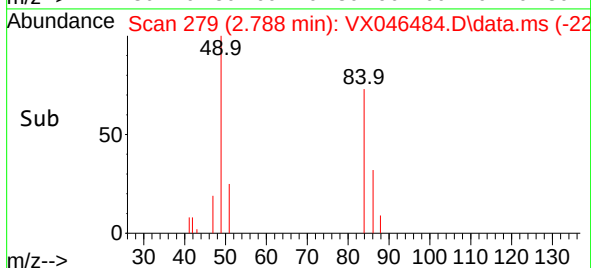
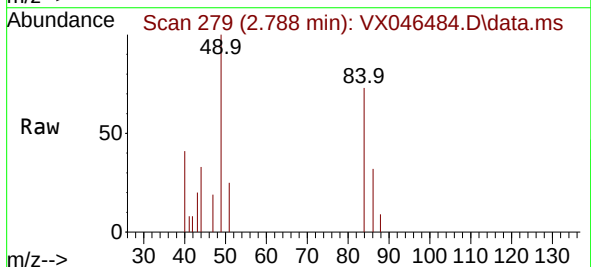
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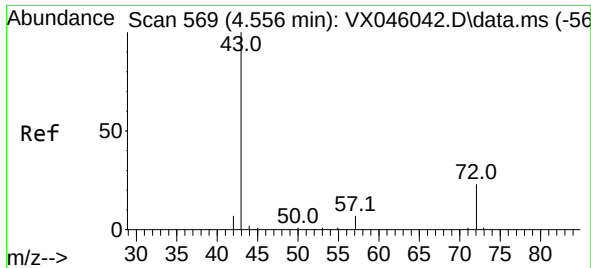
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#20
Methylene Chloride
Concen: 0.933 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

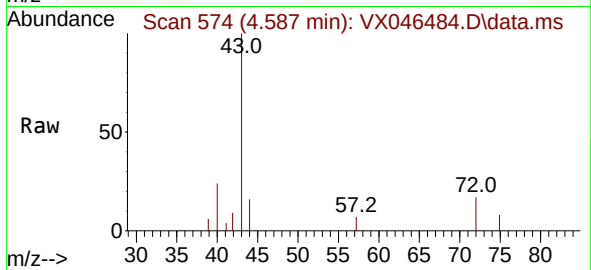
Tgt Ion: 84 Resp: 957
Ion Ratio Lower Upper
84 100
49 136.8 113.9 170.9
51 34.6 33.5 50.3
86 43.1 53.8 80.8#





#25
2-Butanone
Concen: 8.330 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

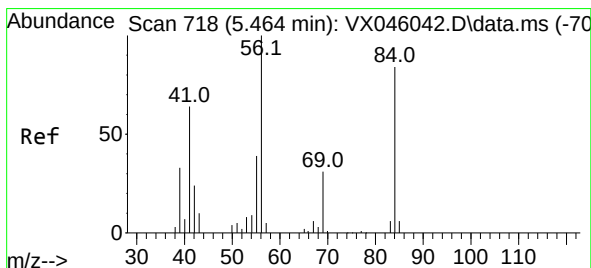
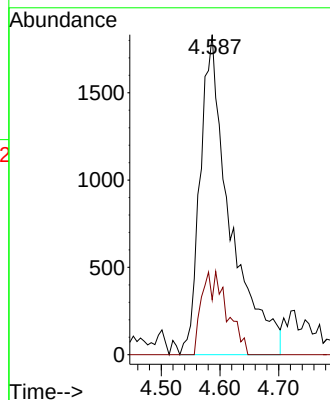
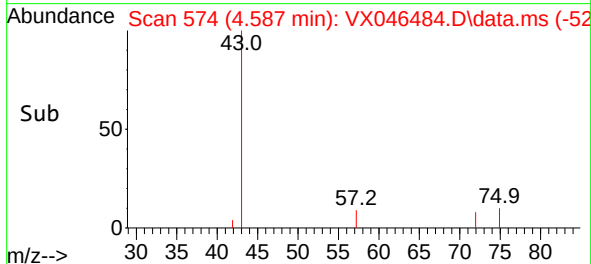
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1



Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
72 17.1 18.4 27.6

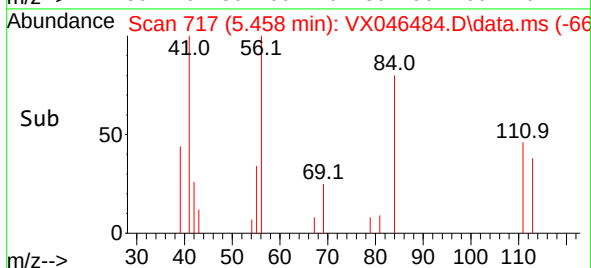
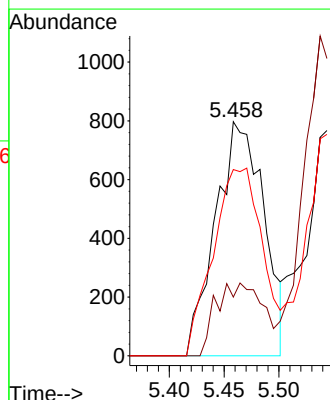
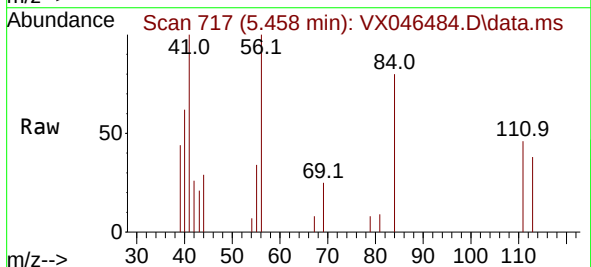
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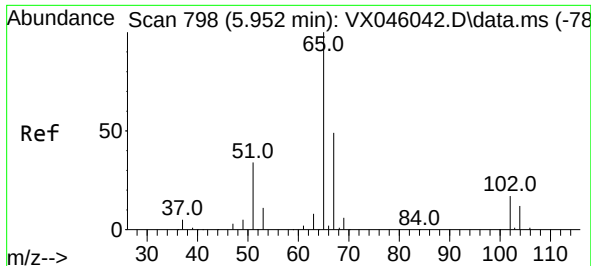
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#31
Cyclohexane
Concen: 1.534 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

Tgt Ion: 56 Resp: 2440
Ion Ratio Lower Upper
56 100
69 25.1 24.4 36.6
84 79.5 66.9 100.3





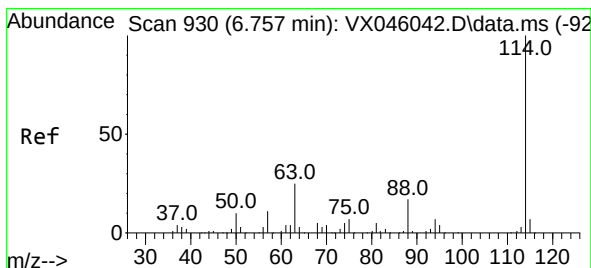
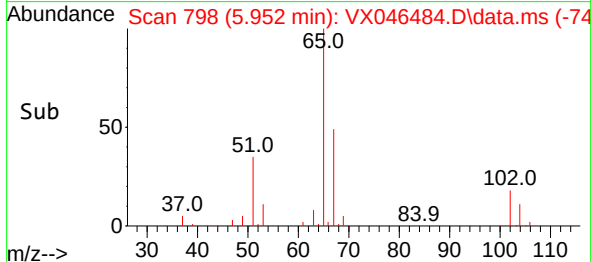
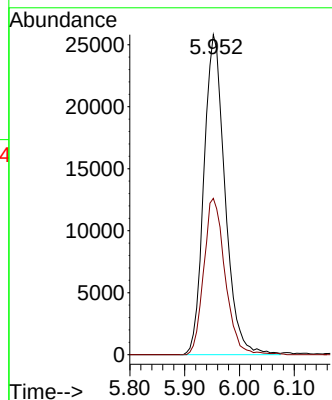
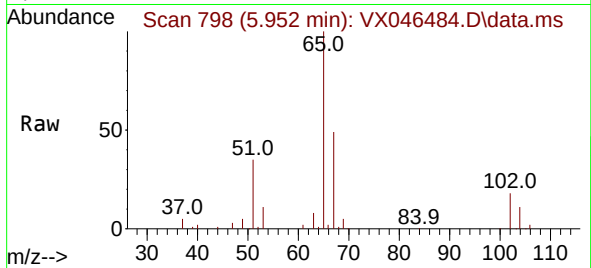
#33
 1,2-Dichloroethane-d4
 Concen: 51.636 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX046484.D
 Acq: 03 Jun 2025 19:38

Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-1

Tgt Ion: 65 Resp: 68928
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.0

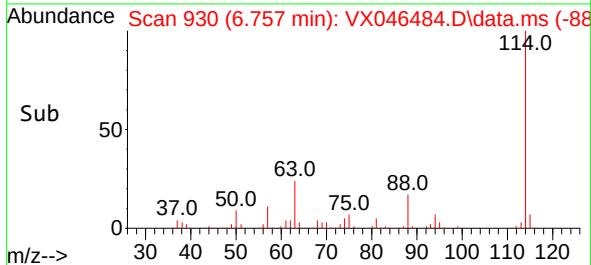
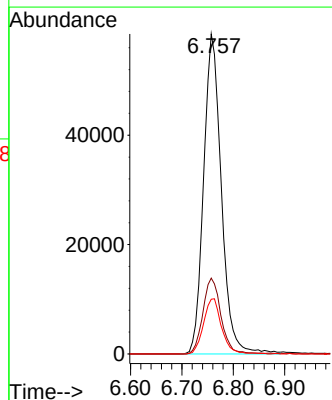
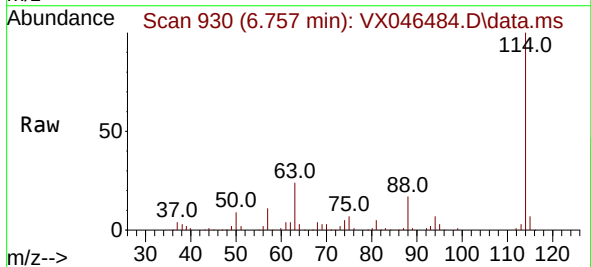
Manual Integrations
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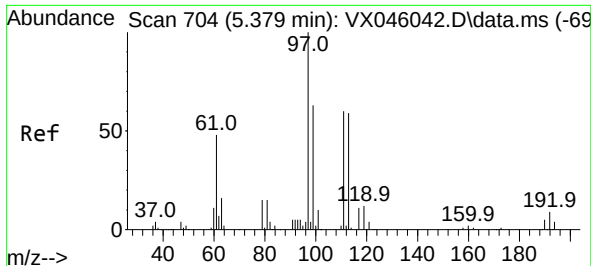
Reviewed By :John Carlone 06/04/2025
 Supervised By :Mahesh Dadoda 06/04/2025



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX046484.D
 Acq: 03 Jun 2025 19:38

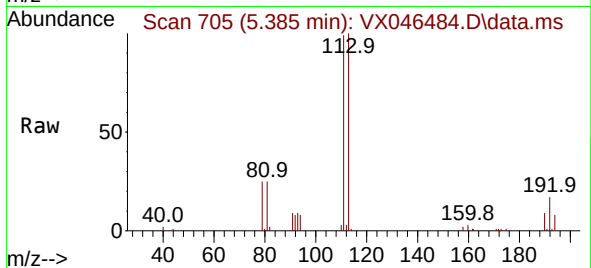
Tgt Ion:114 Resp: 140457
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 17.1 0.0 33.6





#35
Dibromofluoromethane
Concen: 50.412 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

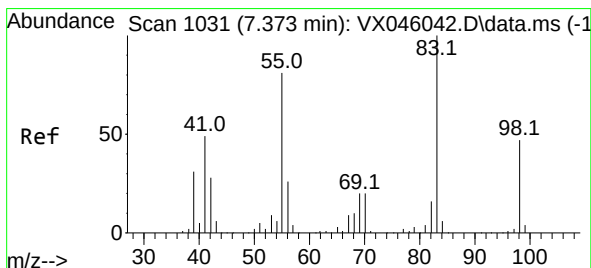
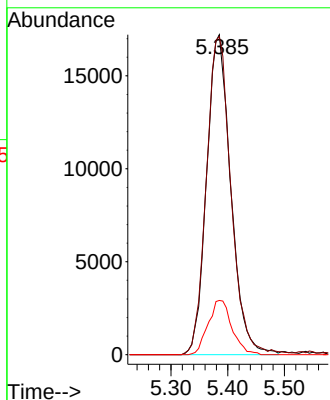
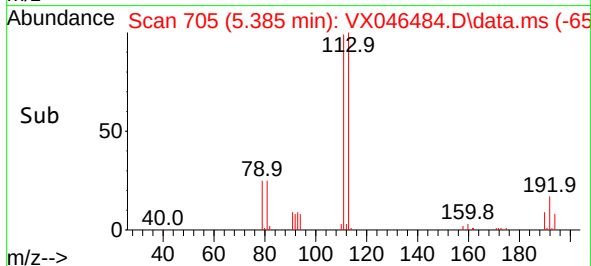
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1



Tgt Ion: 113 Resp: 50989
Ion Ratio Lower Upper
113 100
111 101.4 83.1 124.7
192 16.7 13.3 19.9

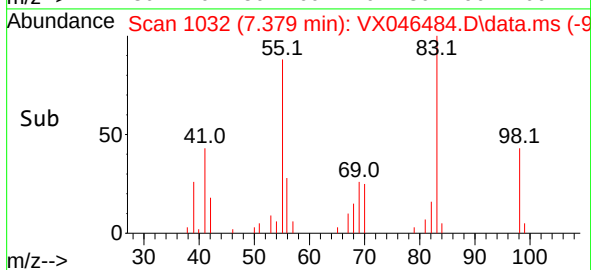
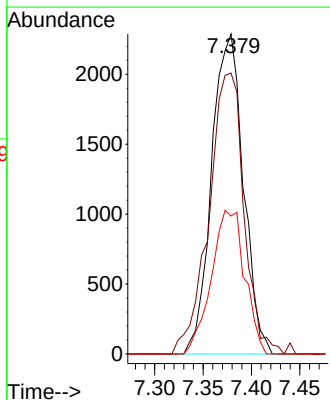
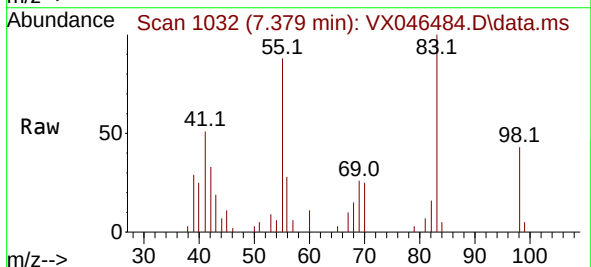
Manual Integrations
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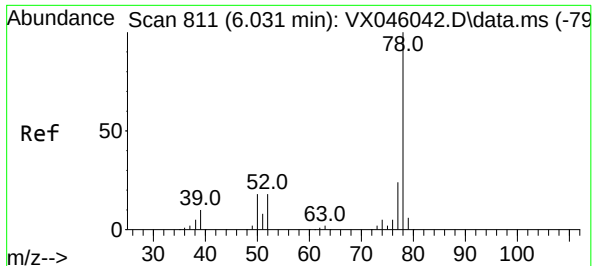
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#39
Methylcyclohexane
Concen: 2.984 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

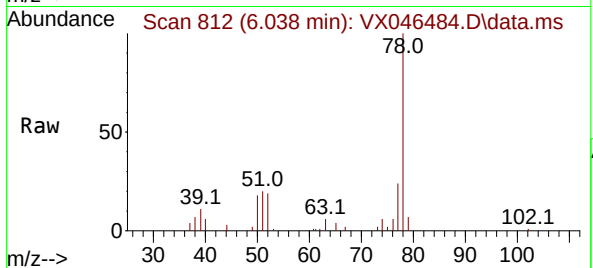
Tgt Ion: 83 Resp: 5220
Ion Ratio Lower Upper
83 100
55 85.5 64.7 97.1
98 43.1 37.4 56.2





#40
Benzene
Concen: 5.903 ug/l
RT: 6.038 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

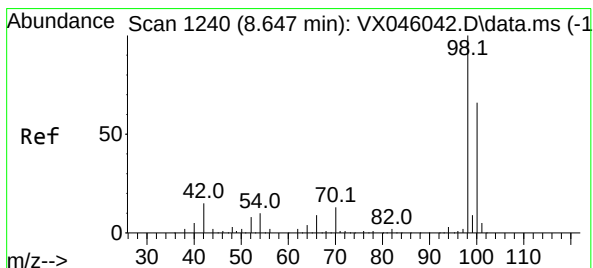
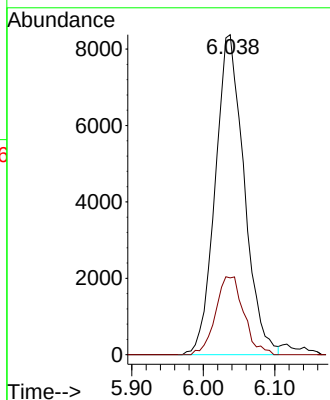
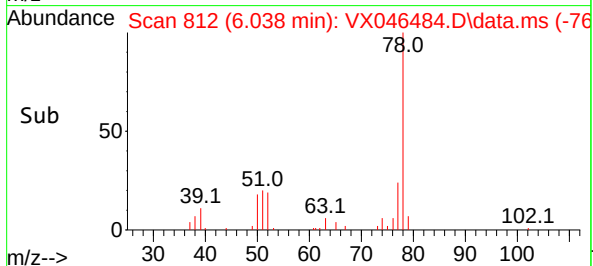
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1



Tgt Ion: 78 Resp: 2349
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4

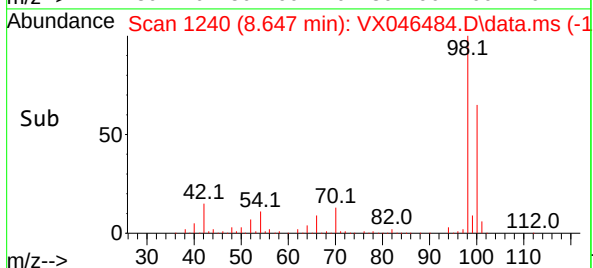
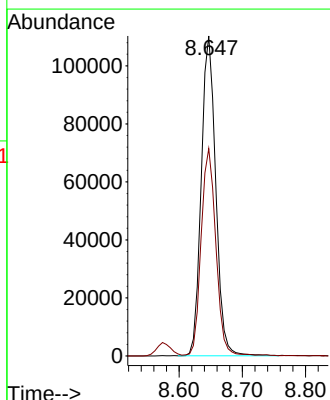
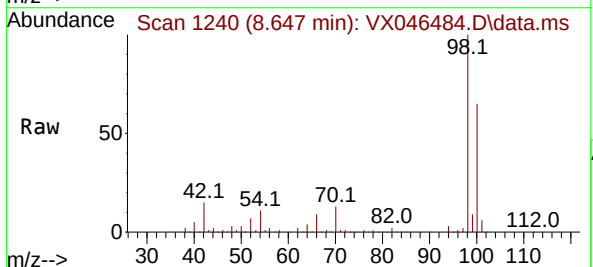
Manual Integrations
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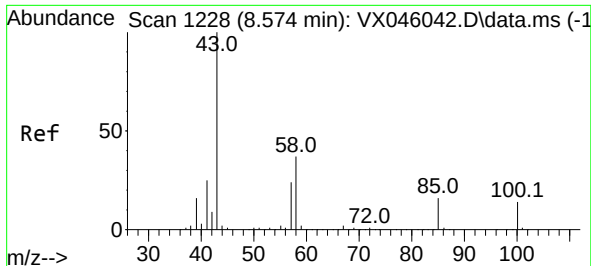
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#50
Toluene-d8
Concen: 50.300 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

Tgt Ion: 98 Resp: 176085
Ion Ratio Lower Upper
98 100
100 65.2 53.5 80.3





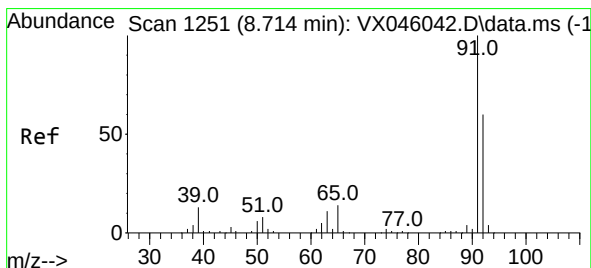
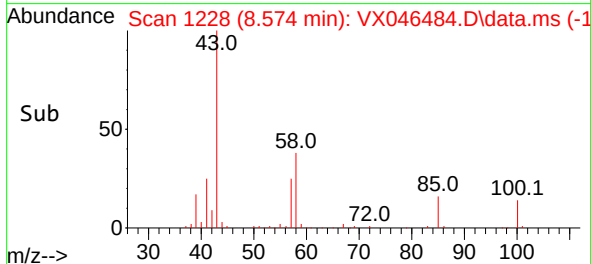
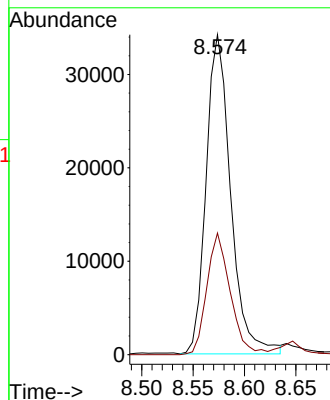
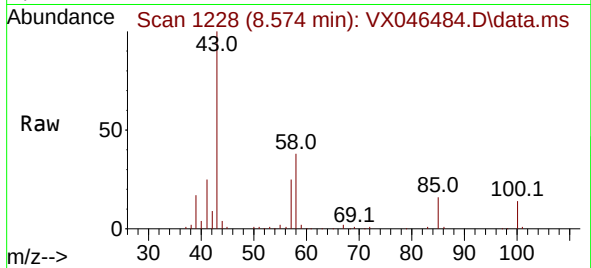
#51
4-Methyl-2-Pentanone
Concen: 33.399 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

Tgt Ion: 43 Resp: 5678
Ion Ratio Lower Upper
43 100
58 36.3 28.9 43.3

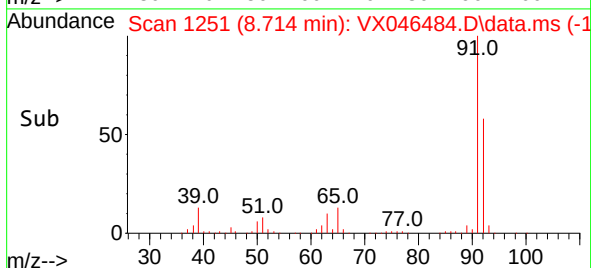
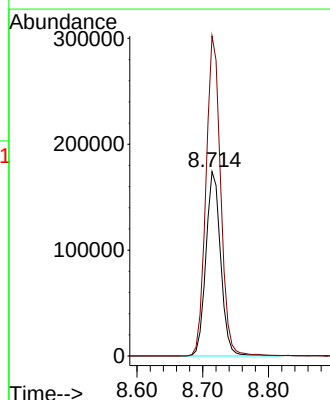
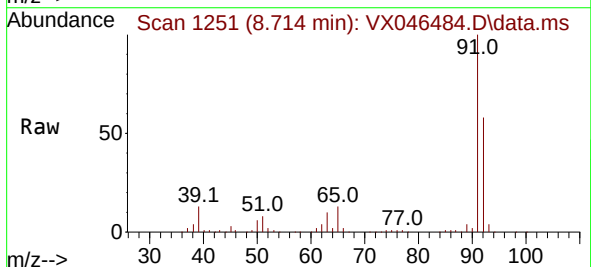
Manual Integrations
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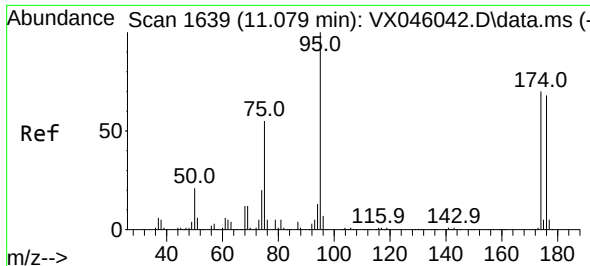
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#52
Toluene
Concen: 111.420 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

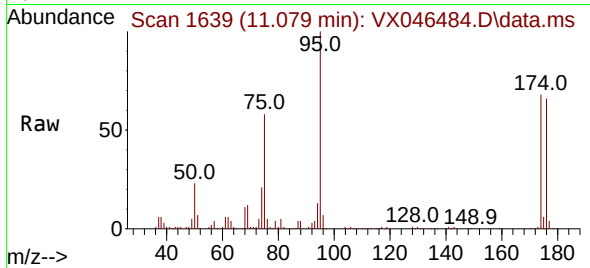
Tgt Ion: 92 Resp: 271954
Ion Ratio Lower Upper
92 100
91 173.0 136.6 205.0





#62
4-Bromofluorobenzene
Concen: 51.587 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

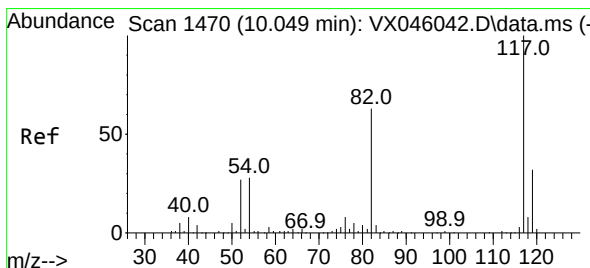
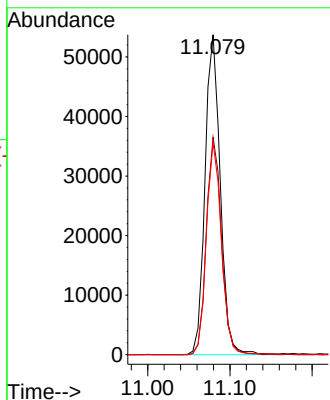
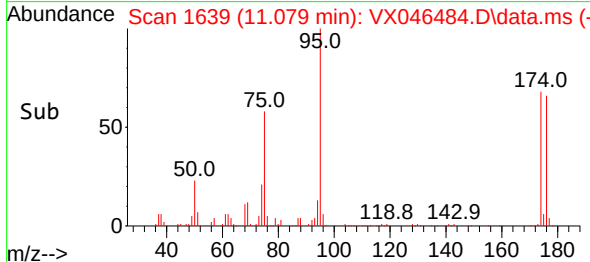
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1



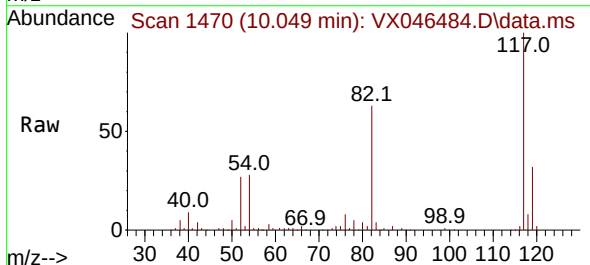
Tgt Ion: 95 Resp: 69272
Ion Ratio Lower Upper
95 100
174 67.6 0.0 135.8
176 65.3 0.0 131.4

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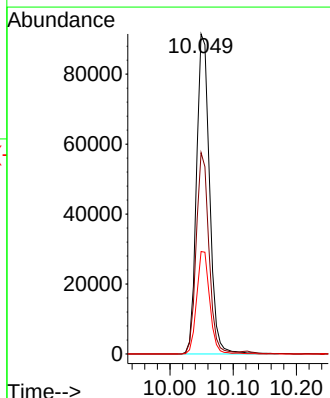
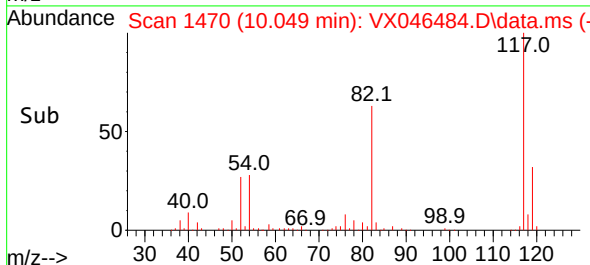
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

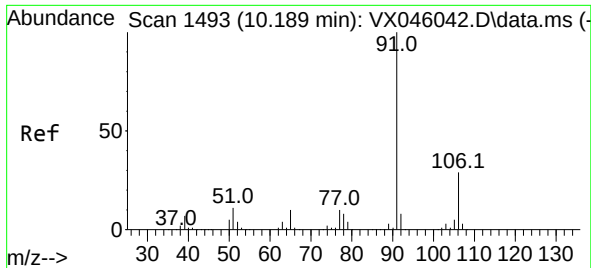


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38



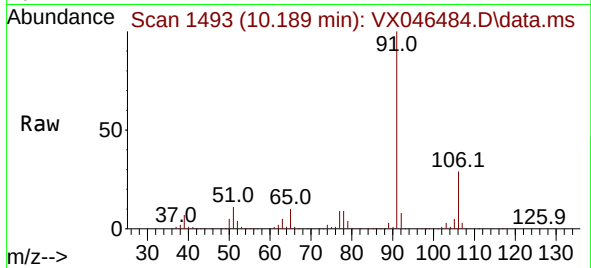
Tgt Ion:117 Resp: 131598
Ion Ratio Lower Upper
117 100
82 62.9 50.6 76.0
119 32.0 25.8 38.6





#67
Ethyl Benzene
Concen: 62.492 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

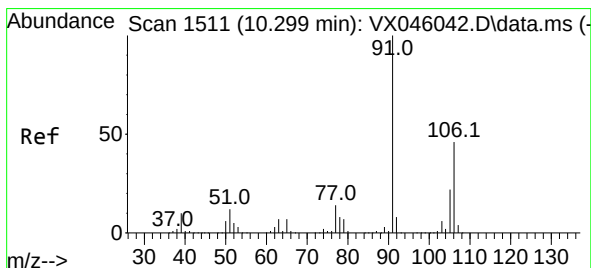
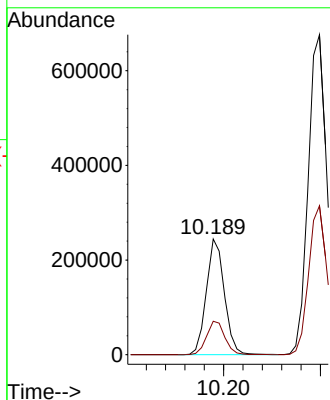
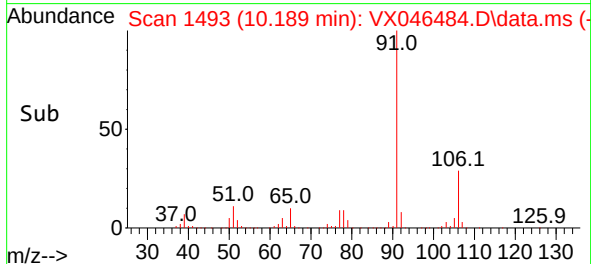
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1



Tgt Ion: 91 Resp: 317292
Ion Ratio Lower Upper
91 100
106 28.8 23.4 35.2

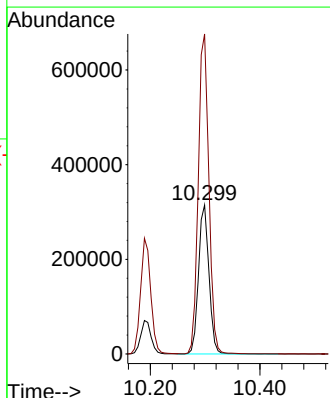
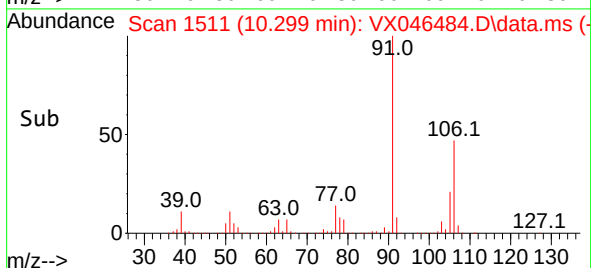
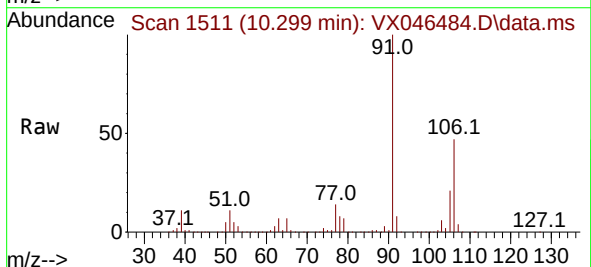
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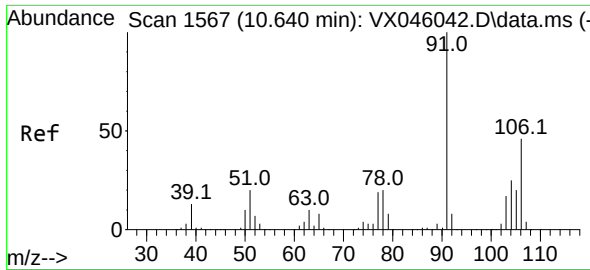
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#68
m/p-Xylenes
Concen: 224.620 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

Tgt Ion:106 Resp: 417116
Ion Ratio Lower Upper
106 100
91 218.0 171.2 256.8





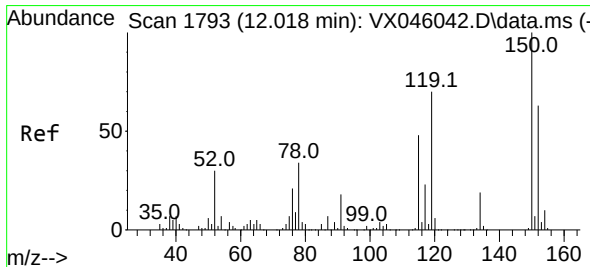
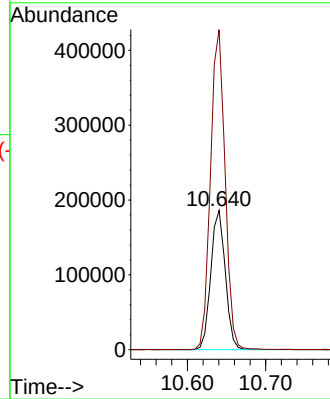
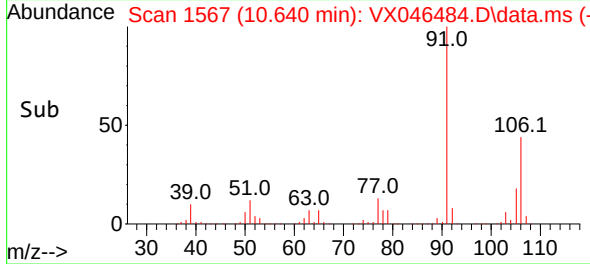
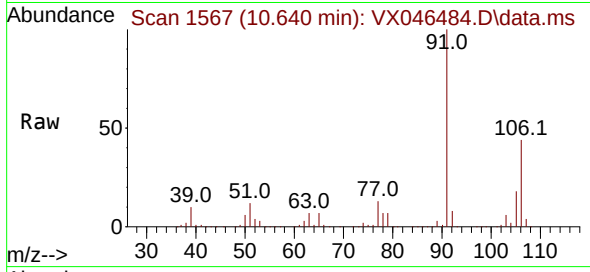
#69
o-Xylene
Concen: 131.969 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

Tgt Ion:106 Resp: 23891
Ion Ratio Lower Upper
106 100
91 230.3 112.7 338.1

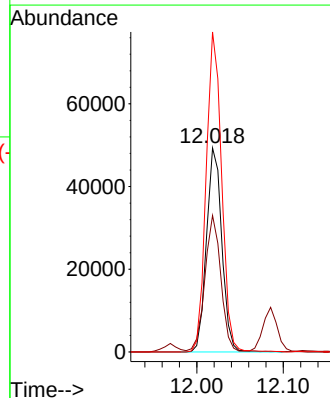
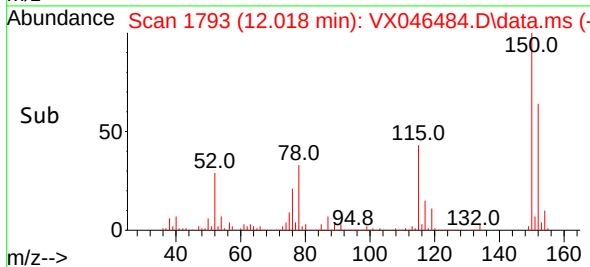
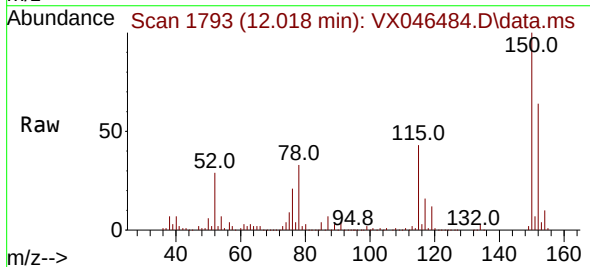
Manual Integrations
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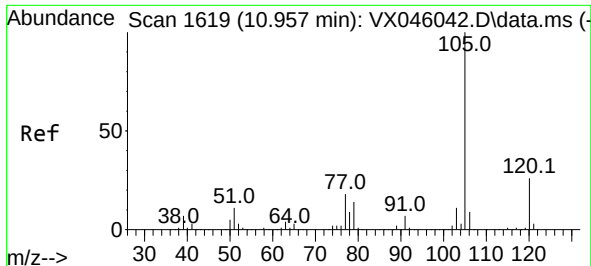
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

Tgt Ion:152 Resp: 60898
Ion Ratio Lower Upper
152 100
115 68.5 46.9 140.7
150 157.3 0.0 351.0





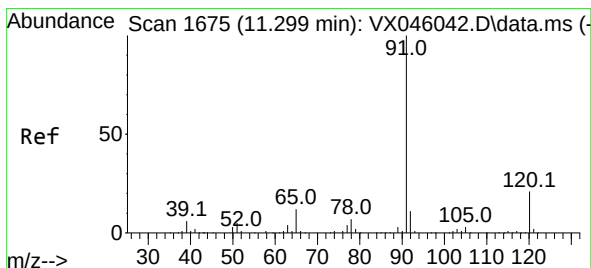
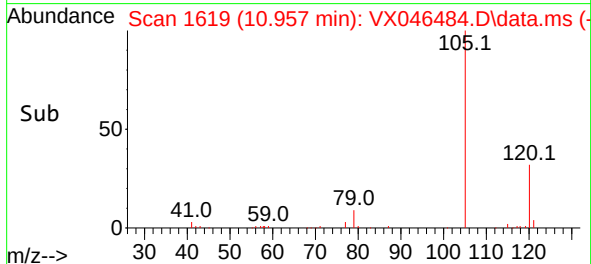
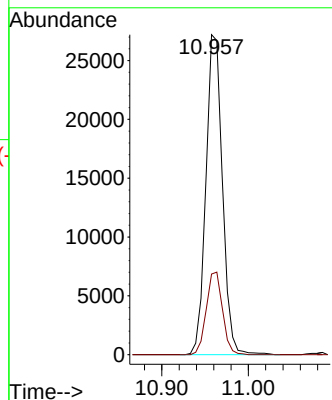
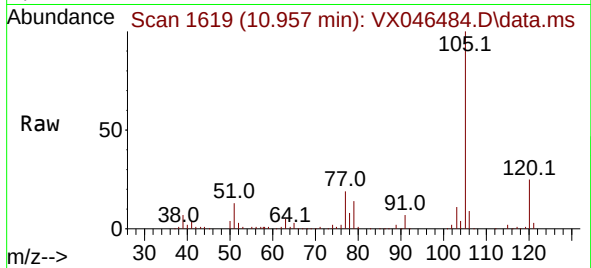
#73
Isopropylbenzene
Concen: 7.608 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

Tgt Ion:105 Resp: 36070
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4

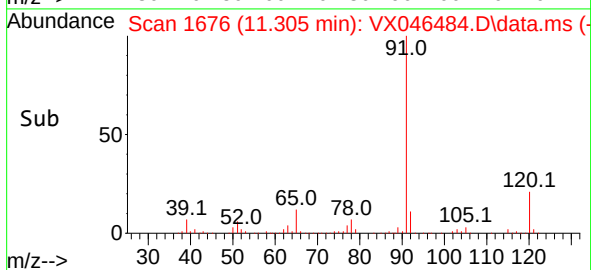
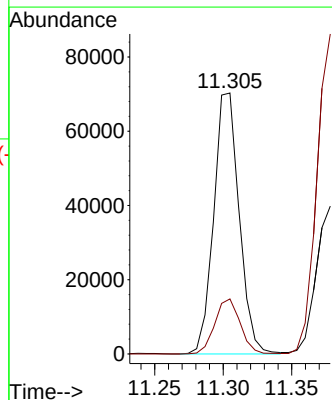
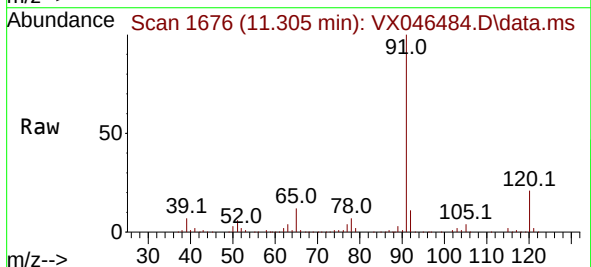
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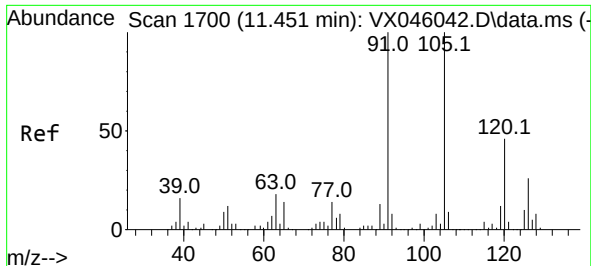
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#78
n-propylbenzene
Concen: 16.493 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

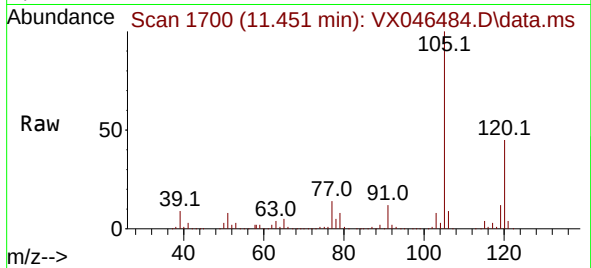
Tgt Ion: 91 Resp: 90919
Ion Ratio Lower Upper
91 100
120 21.1 10.8 32.4





#80
 1,3,5-Trimethylbenzene
 Concen: 39.431 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX046484.D
 Acq: 03 Jun 2025 19:38

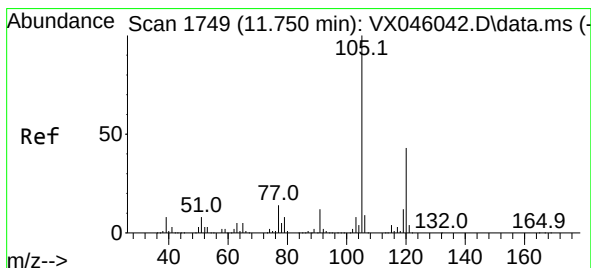
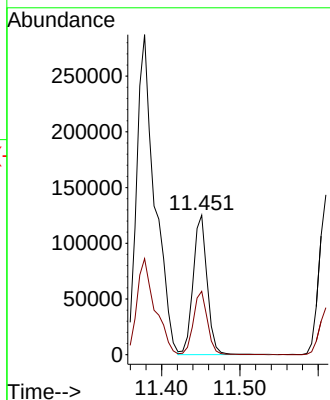
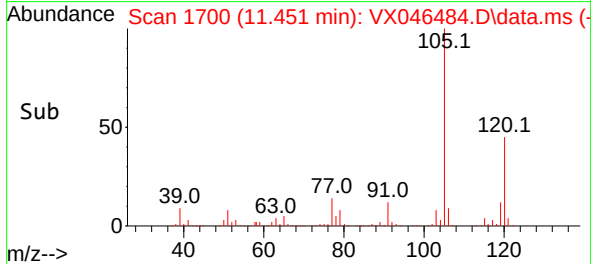
Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-1



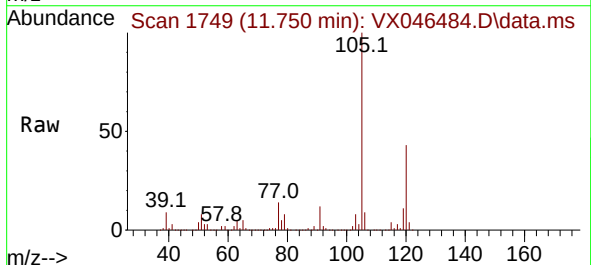
Tgt Ion:105 Resp: 156180
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.1 69.2

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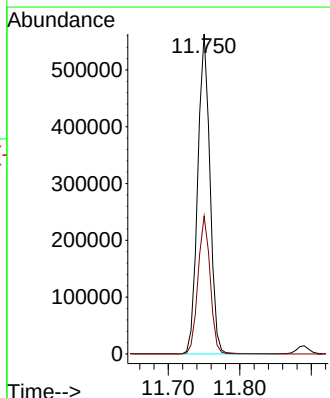
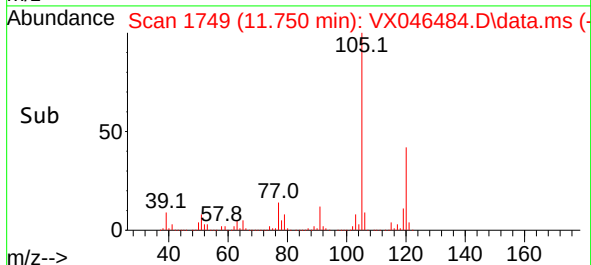
Reviewed By :John Carlone 06/04/2025
 Supervised By :Mahesh Dadoda 06/04/2025

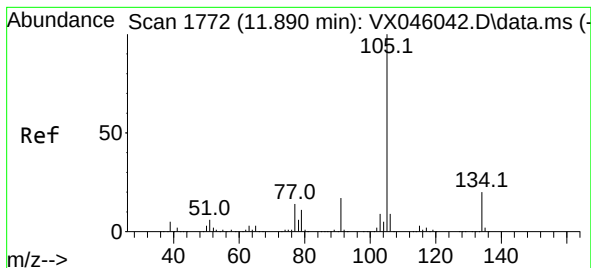


#84
 1,2,4-Trimethylbenzene
 Concen: 165.696 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX046484.D
 Acq: 03 Jun 2025 19:38



Tgt Ion:105 Resp: 664618
 Ion Ratio Lower Upper
 105 100
 120 42.9 21.2 63.6





#85

sec-Butylbenzene

Concen: 3.772 ug/l m

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX046484.D

Acq: 03 Jun 2025 19:38

Instrument :

MSVOA_X

ClientSampleId :

303-PPR-1

Tgt Ion:105 Resp: 18480

Ion Ratio Lower Upper

105 100

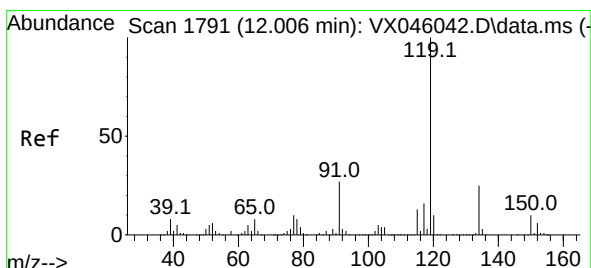
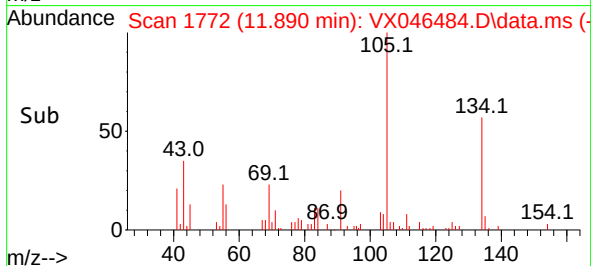
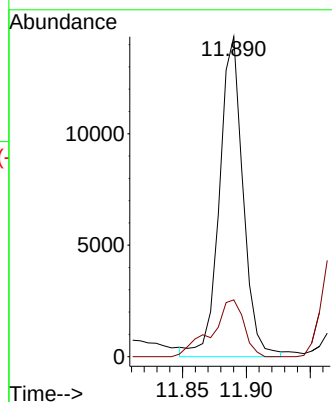
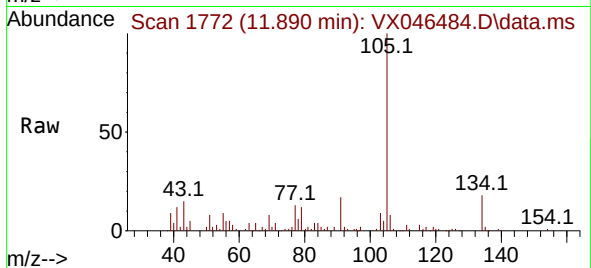
134 0.0 9.7 29.1

Manual Integrations

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Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025



#86

p-Isopropyltoluene

Concen: 8.419 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX046484.D

Acq: 03 Jun 2025 19:38

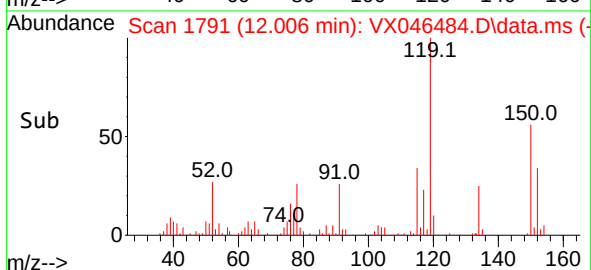
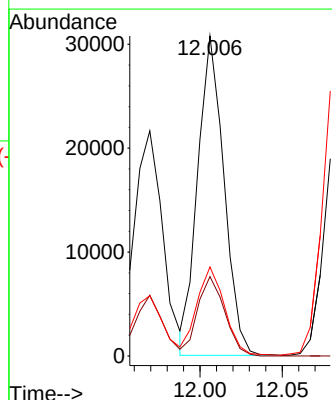
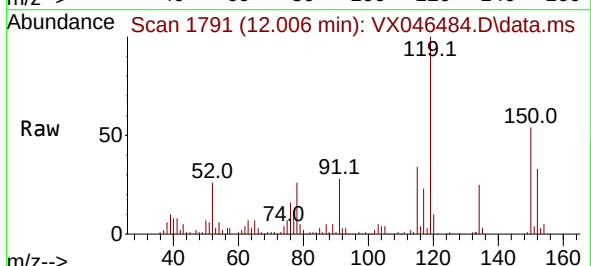
Tgt Ion:119 Resp: 34042

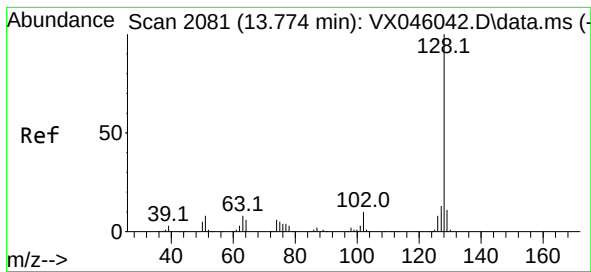
Ion Ratio Lower Upper

119 100

134 25.7 12.5 37.5

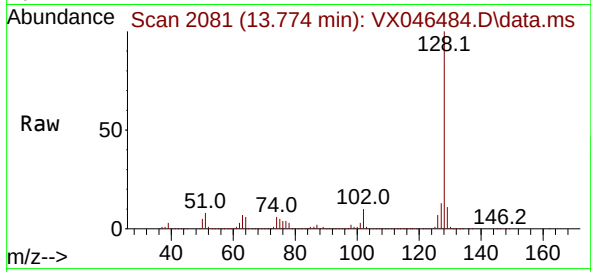
91 29.0 13.8 41.4





#95
Naphthalene
Concen: 106.874 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046484.D
Acq: 03 Jun 2025 19:38

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1



Tgt Ion:128 Resp: 453839
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.4 8.6 13.0

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

