

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046485.D
 Acq On : 03 Jun 2025 20:02
 Operator : JC/MD
 Sample : Q2169-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-2

Manual Integrations
 APPROVED

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

Quant Time: Jun 04 01:35:00 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

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	57811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	115956	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	109667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56204	52.148	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.300%			
35) Dibromofluoromethane	5.385	113	40811	48.875	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.760%			
50) Toluene-d8	8.646	98	146557	50.711	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.420%			
62) 4-Bromofluorobenzene	11.079	95	58653	52.908	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.971	59	3750	24.787	ug/l	98
16) Acetone	2.385	43	6691	15.483	ug/l	94
17) Carbon Disulfide	2.501	76	8467	5.210	ug/l	100
18) Methyl Acetate	2.702	43	1531	1.527	ug/l #	83
30) Chloroform	5.098	83	1751	1.192	ug/l #	70
31) Cyclohexane	5.470	56	2388	1.859	ug/l #	66
39) Methylcyclohexane	7.378	83	5383	3.727	ug/l	91
40) Benzene	6.043	78	17635	5.366	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	22835	16.268	ug/l	99
52) Toluene	8.714	92	273498	135.729	ug/l	98
64) Tetrachloroethene	9.268	164	292	0.376	ug/l #	78
67) Ethyl Benzene	10.189	91	356450	84.244	ug/l	100
68) m/p-Xylenes	10.299	106	467084	301.828	ug/l	97
69) o-Xylene	10.640	106	262296	173.858	ug/l	97
73) Isopropylbenzene	10.963	105	44088	11.503	ug/l	98
78) n-propylbenzene	11.305	91	114551	25.704	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	187077	58.424	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	791299	244.025	ug/l	98
85) sec-Butylbenzene	11.890	105	22208m	5.608	ug/l	
86) p-Isopropyltoluene	12.006	119	42256	12.927	ug/l	100
95) Naphthalene	13.774	128	479688	139.729	ug/l	99

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

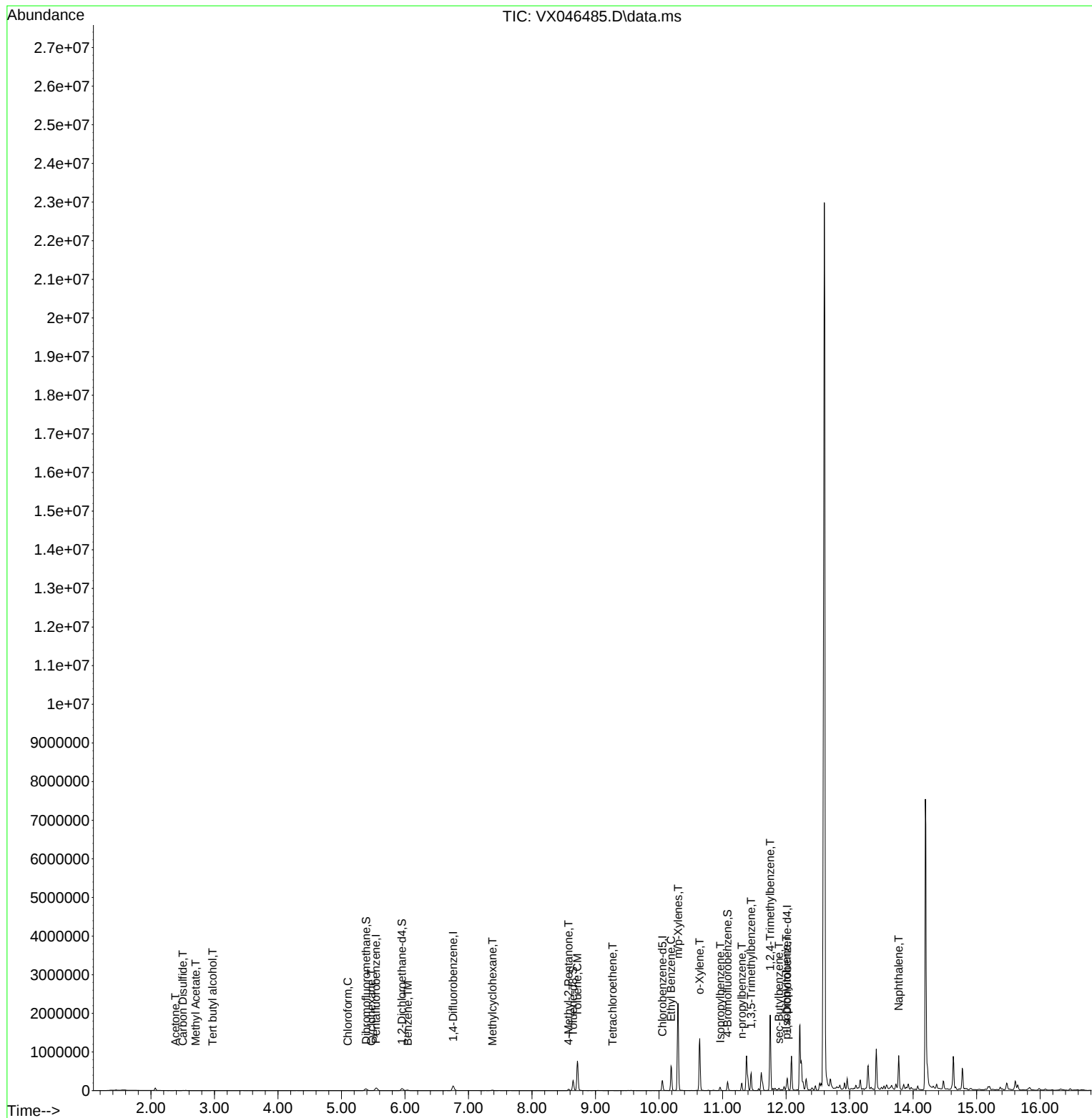
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
Data File : VX046485.D
Acq On : 03 Jun 2025 20:02
Operator : JC/MD
Sample : Q2169-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

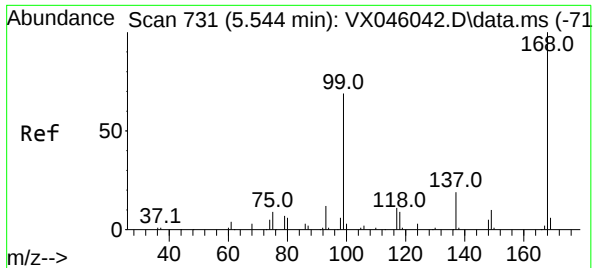
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2

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

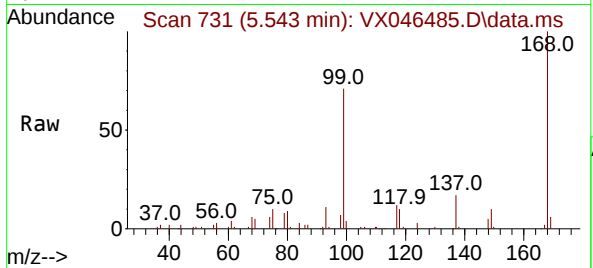
Quant Time: Jun 04 01:35:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

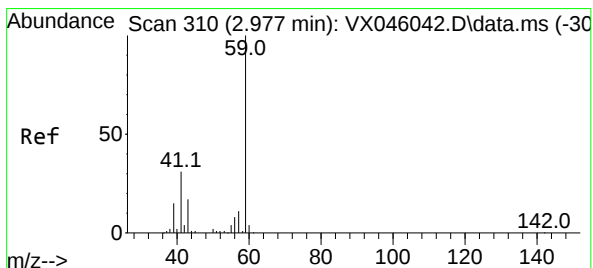
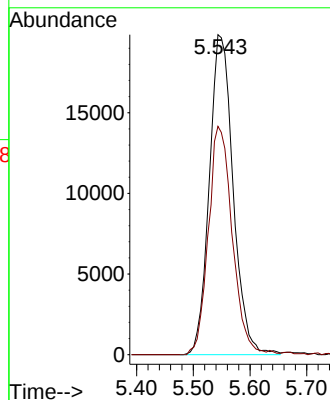
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



Tgt Ion:168 Resp: 5781
Ion Ratio Lower Upper
168 100
99 71.4 54.9 82.3

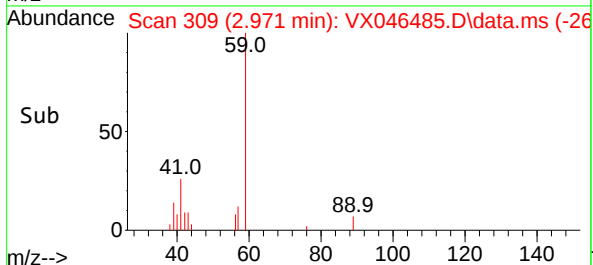
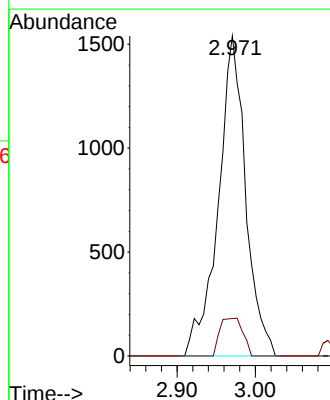
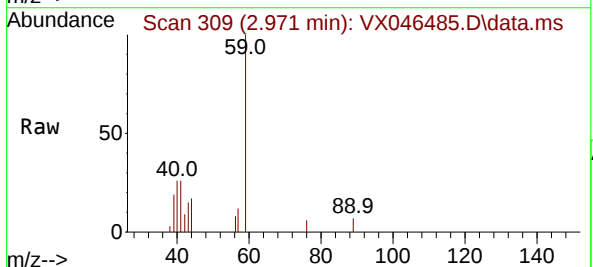
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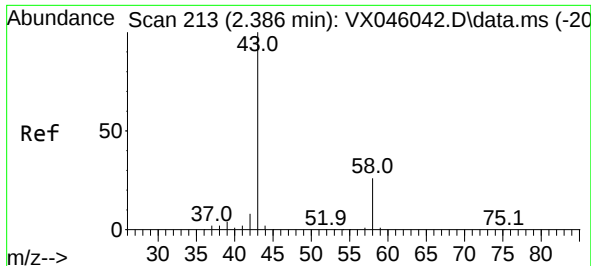
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#11
Tert butyl alcohol
Concen: 24.787 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

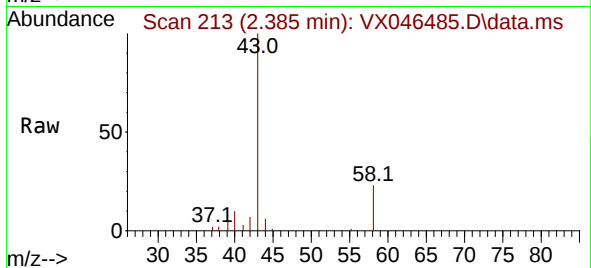
Tgt Ion: 59 Resp: 3750
Ion Ratio Lower Upper
59 100
57 9.9 8.6 12.8





#16
Acetone
Concen: 15.483 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

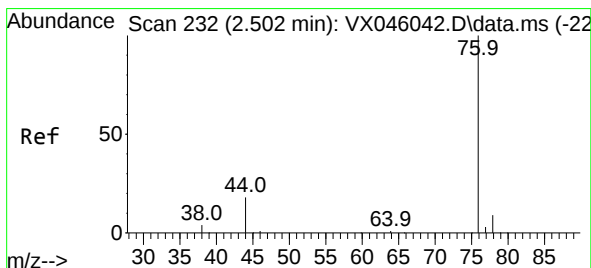
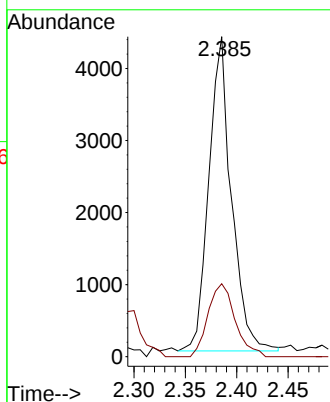
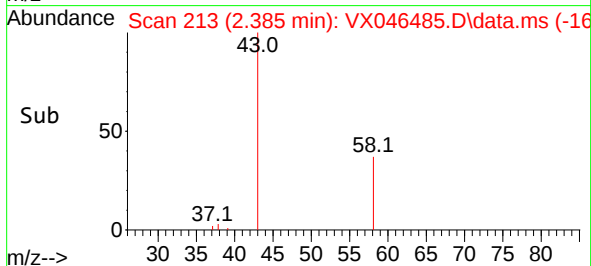
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 23.2 21.2 31.8

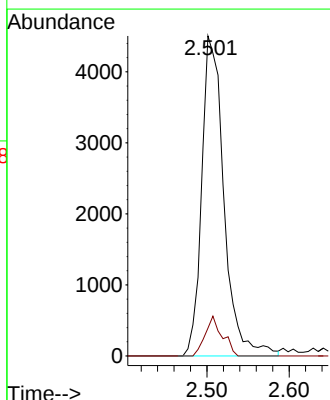
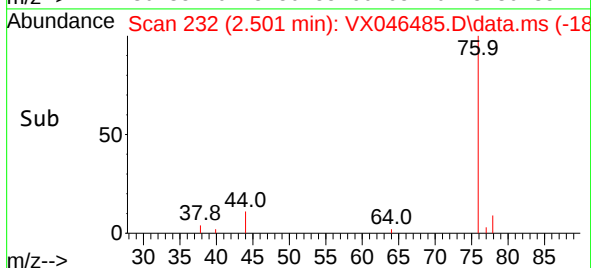
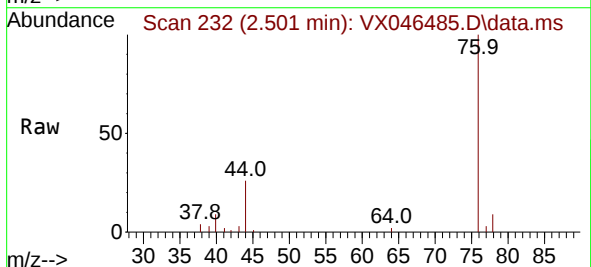
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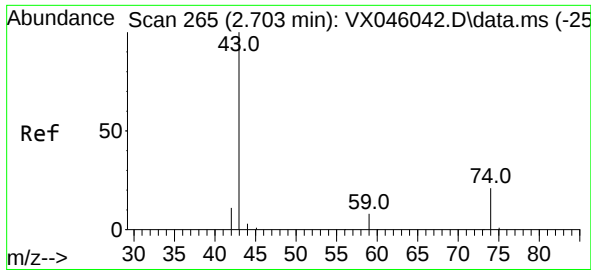
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#17
Carbon Disulfide
Concen: 5.210 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

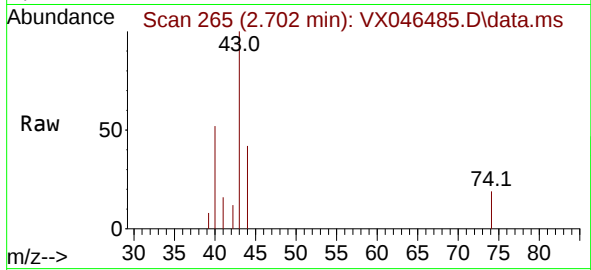
Tgt Ion: 76 Resp: 8467
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4





#18
Methyl Acetate
Concen: 1.527 ug/l
RT: 2.702 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

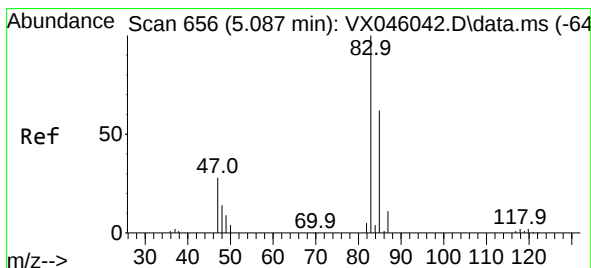
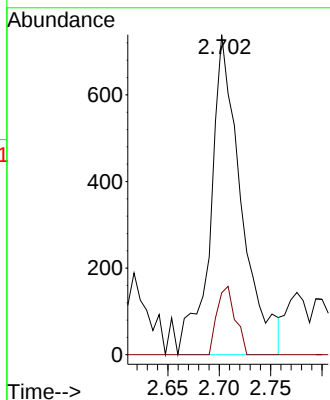
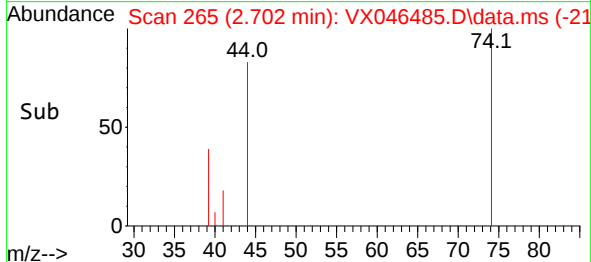
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



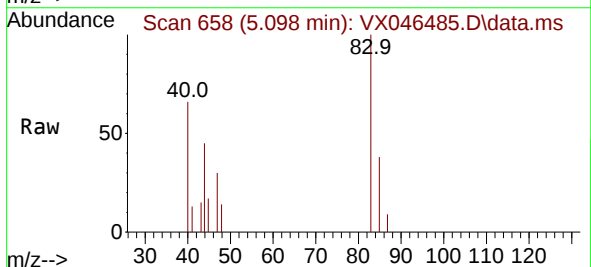
Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
74 12.7 16.7 25.1

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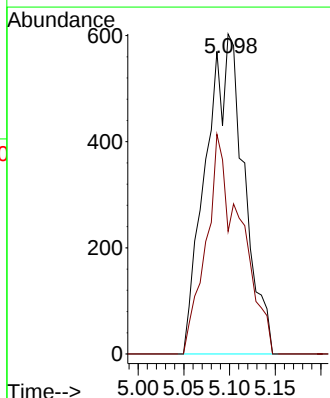
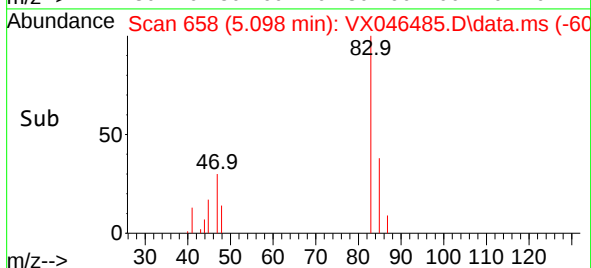
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

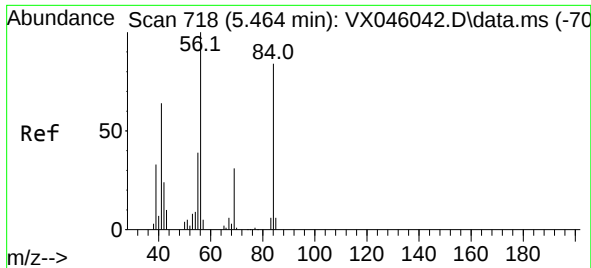


#30
Chloroform
Concen: 1.192 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.012 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02



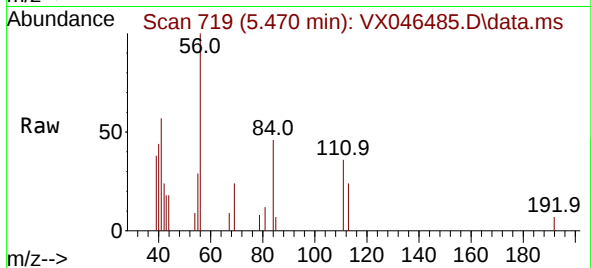
Tgt Ion: 83 Resp: 1751
Ion Ratio Lower Upper
83 100
85 38.3 49.3 73.9





#31
Cyclohexane
Concen: 1.859 ug/l
RT: 5.470 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

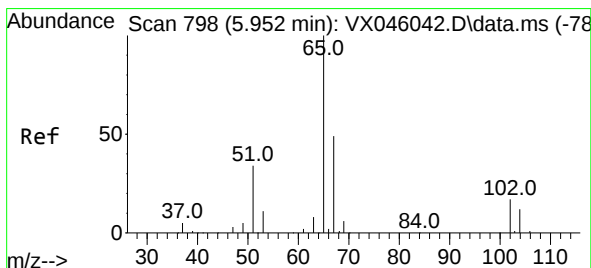
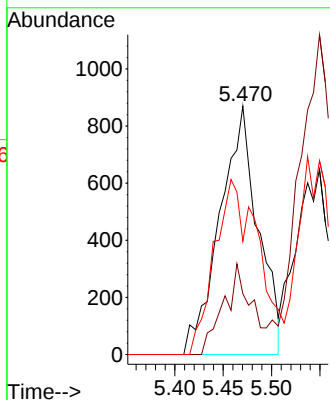
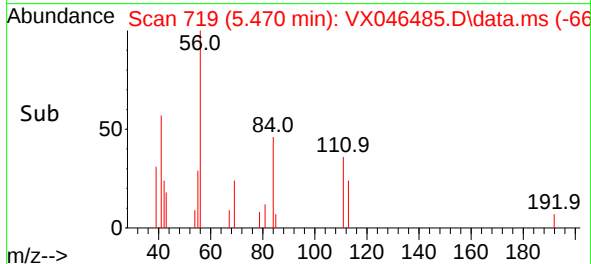
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



Tgt Ion: 56 Resp: 238
Ion Ratio Lower Upper
56 100
69 24.5 24.4 36.6
84 45.6 66.9 100.3

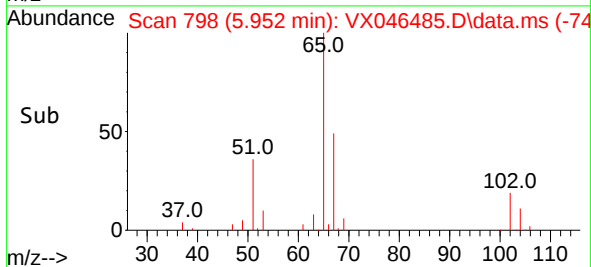
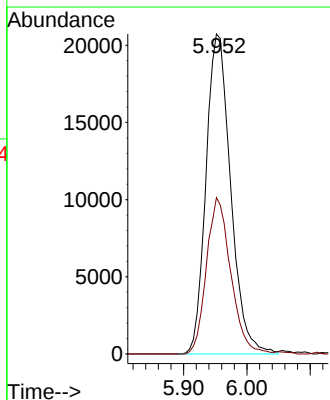
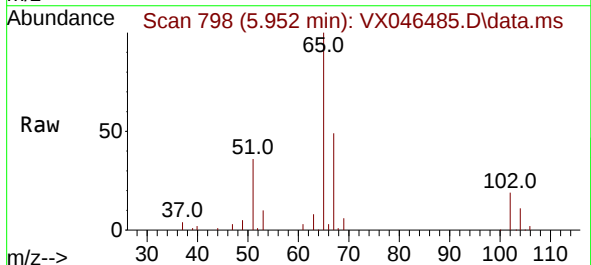
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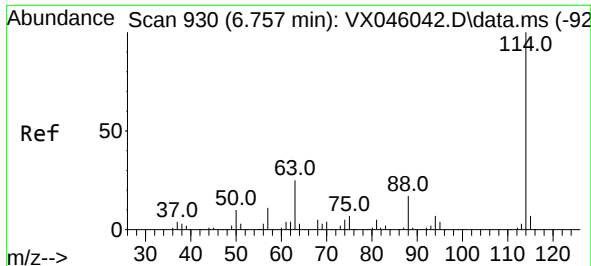
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#33
1,2-Dichloroethane-d4
Concen: 52.148 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

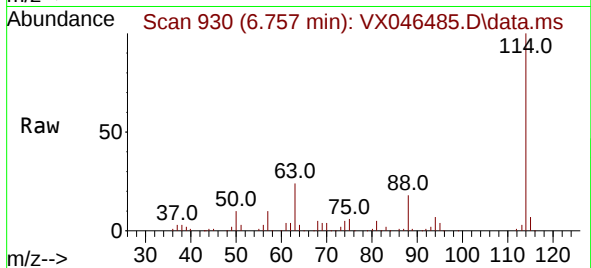
Tgt Ion: 65 Resp: 56204
Ion Ratio Lower Upper
65 100
67 48.1 0.0 99.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

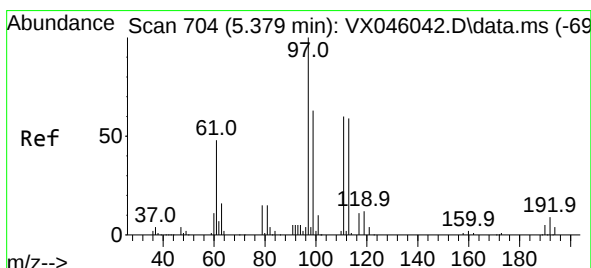
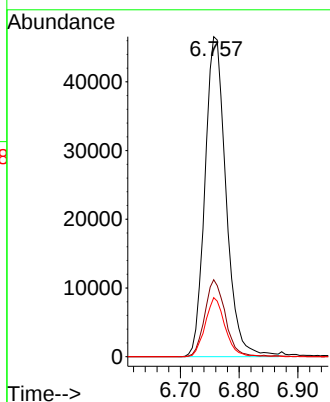
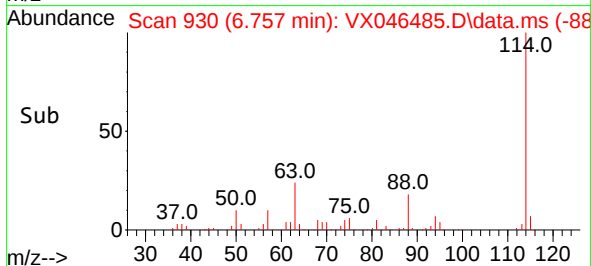
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



Tgt Ion:114 Resp: 115950
Ion Ratio Lower Upper
114 100
63 24.0 0.0 49.2
88 18.5 0.0 33.6

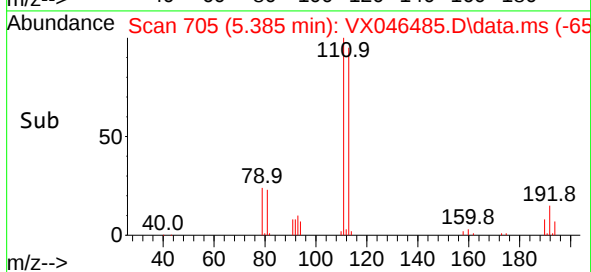
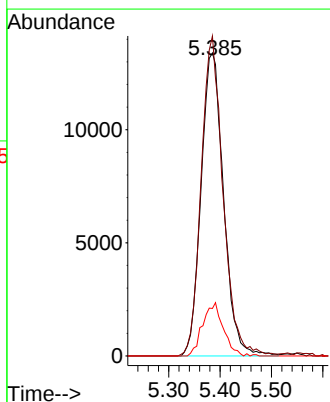
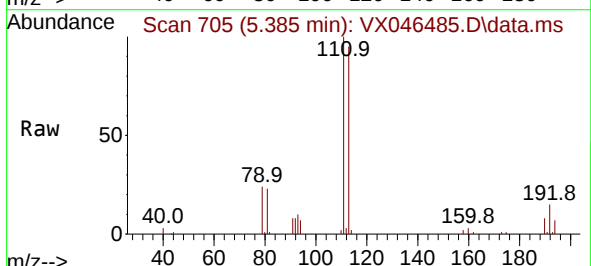
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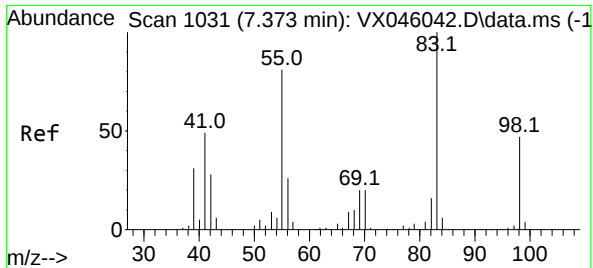
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#35
Dibromofluoromethane
Concen: 48.875 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

Tgt Ion:113 Resp: 40811
Ion Ratio Lower Upper
113 100
111 102.3 83.1 124.7
192 16.0 13.3 19.9





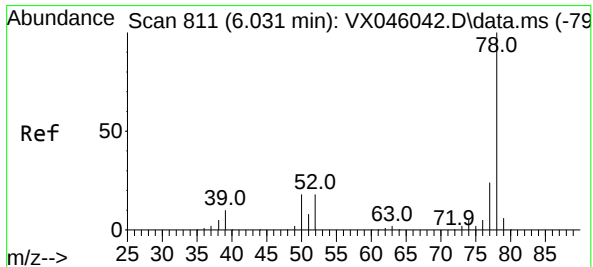
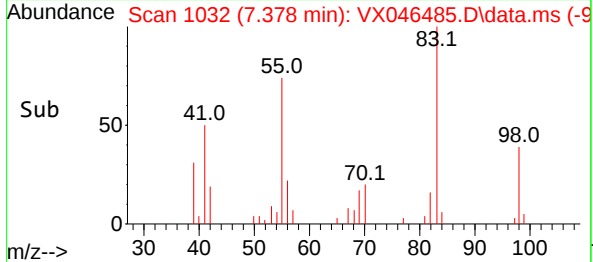
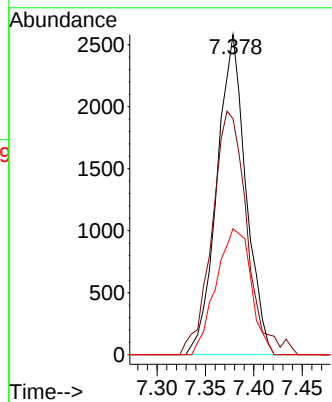
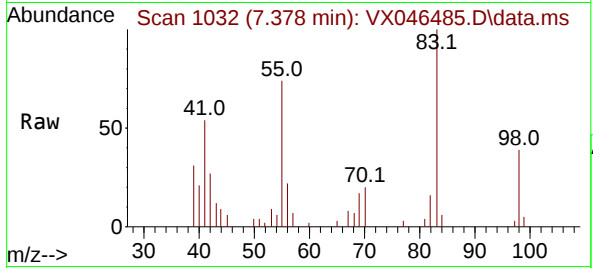
#39
Methylcyclohexane
Concen: 3.727 ug/l
RT: 7.378 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2

Tgt Ion: 83 Resp: 538
Ion Ratio Lower Upper
83 100
55 73.8 64.7 97.1
98 39.4 37.4 56.2

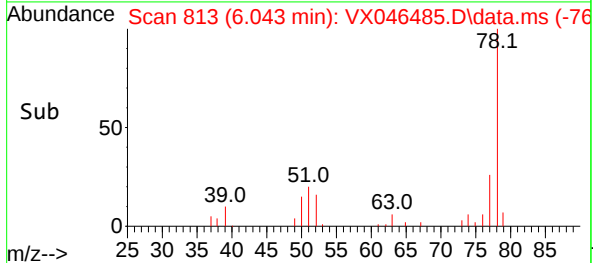
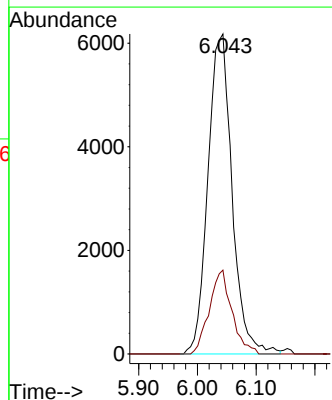
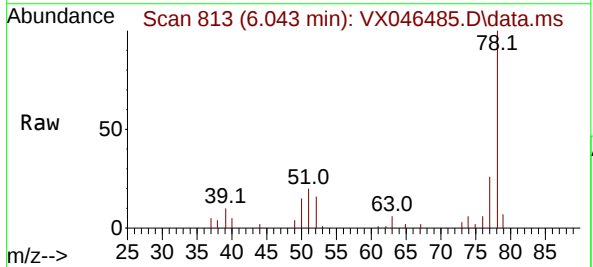
Manual Integrations
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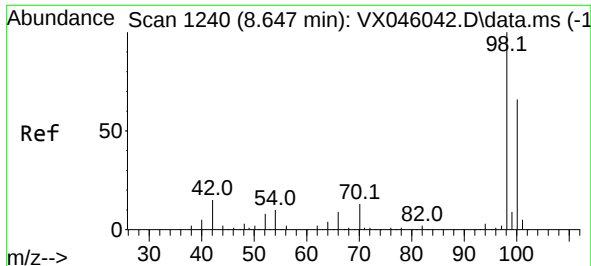
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#40
Benzene
Concen: 5.366 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

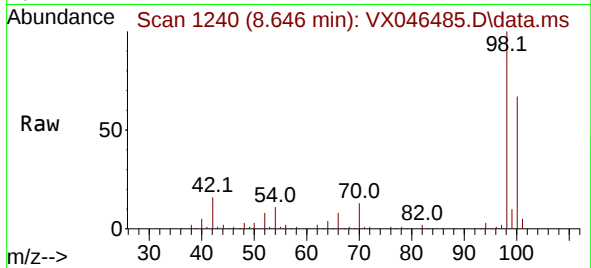
Tgt Ion: 78 Resp: 17635
Ion Ratio Lower Upper
78 100
77 26.2 19.0 28.4





#50
Toluene-d8
Concen: 50.711 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

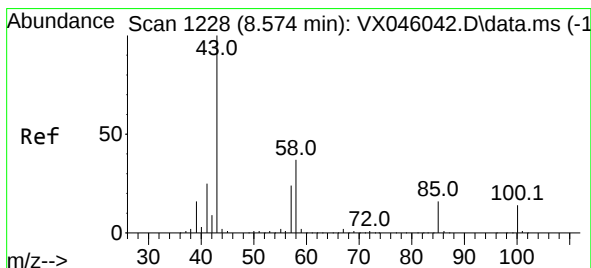
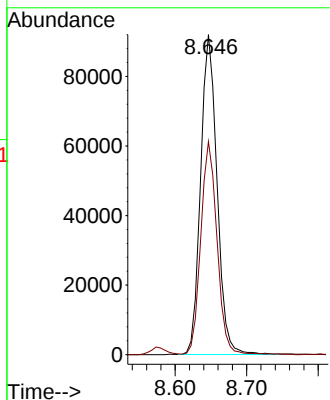
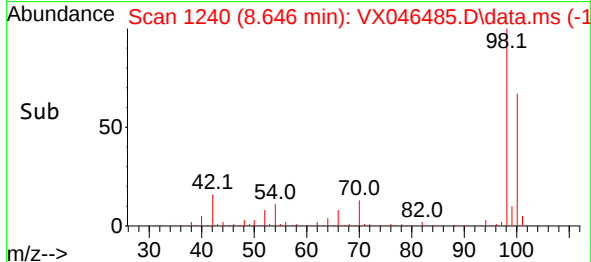
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



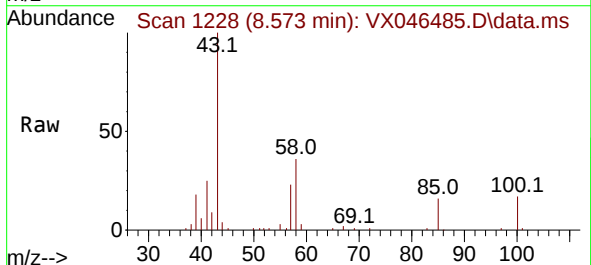
Tgt Ion: 98 Resp: 14655
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3

Manual Integrations
APPROVED

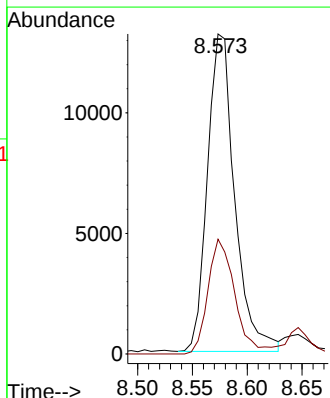
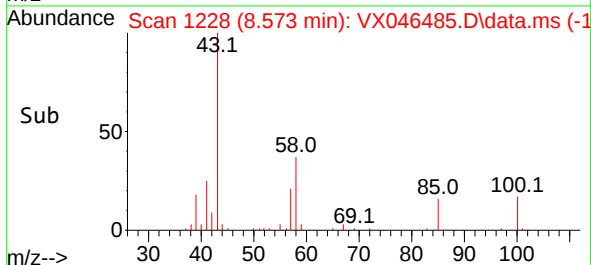
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

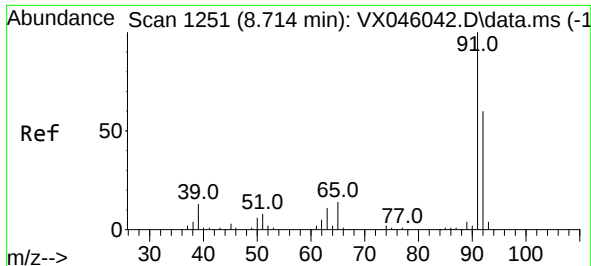


#51
4-Methyl-2-Pentanone
Concen: 16.268 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02



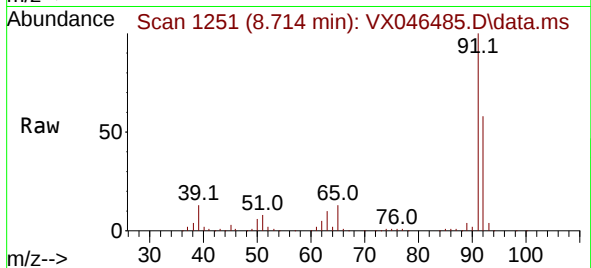
Tgt Ion: 43 Resp: 22835
Ion Ratio Lower Upper
43 100
58 35.6 28.9 43.3





#52
Toluene
Concen: 135.729 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

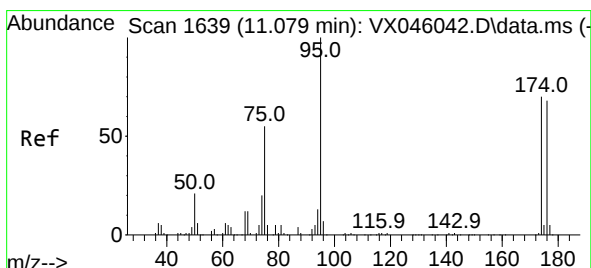
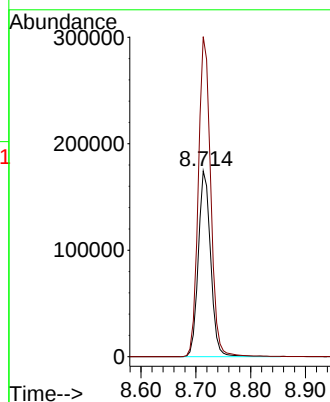
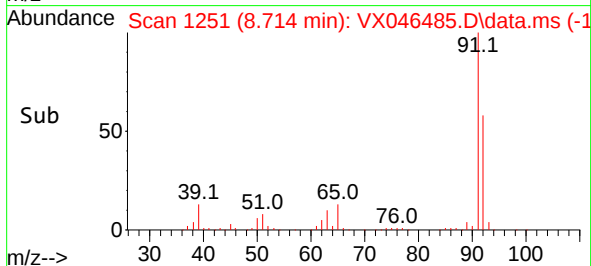
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



Tgt Ion: 92 Resp: 273498
Ion Ratio Lower Upper
92 100
91 173.0 136.6 205.0

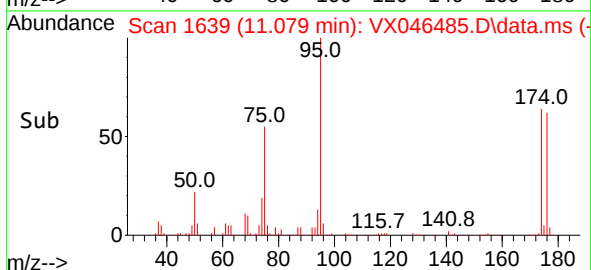
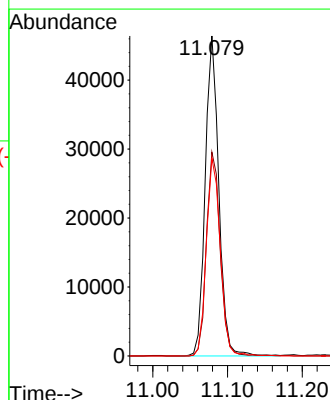
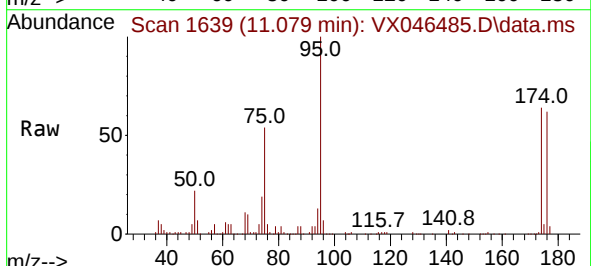
Manual Integrations
APPROVED

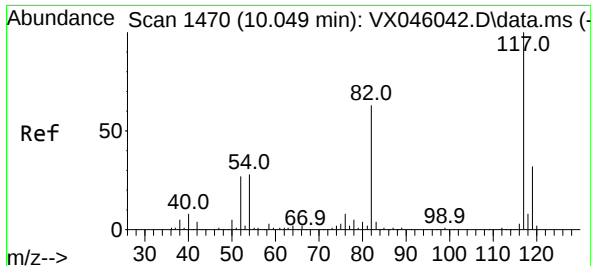
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#62
4-Bromofluorobenzene
Concen: 52.908 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

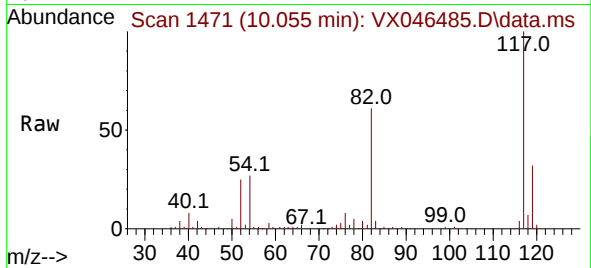
Tgt Ion: 95 Resp: 58653
Ion Ratio Lower Upper
95 100
174 64.3 0.0 135.8
176 63.7 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

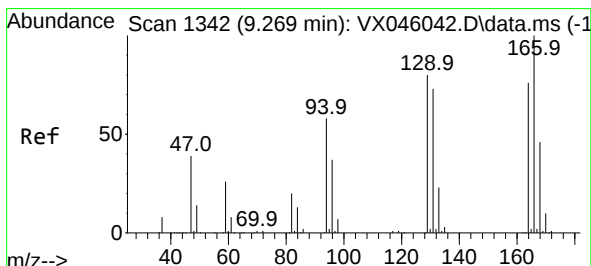
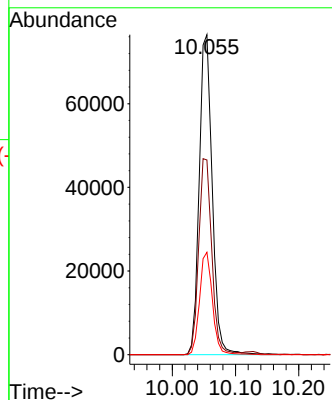
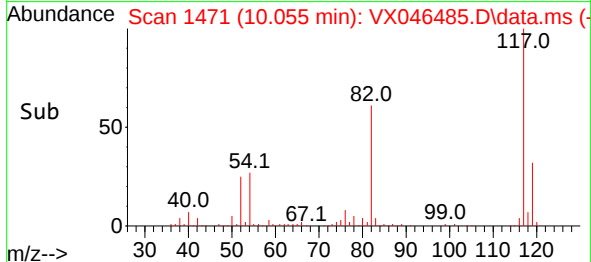
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



Tgt Ion:117 Resp: 10966
Ion Ratio Lower Upper
117 100
82 60.9 50.6 76.0
119 32.0 25.8 38.6

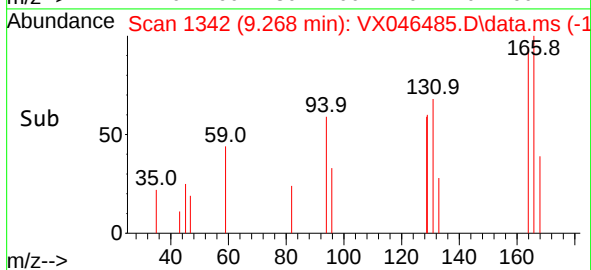
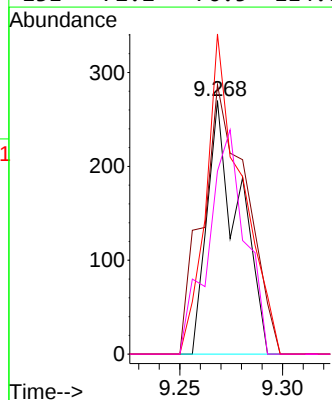
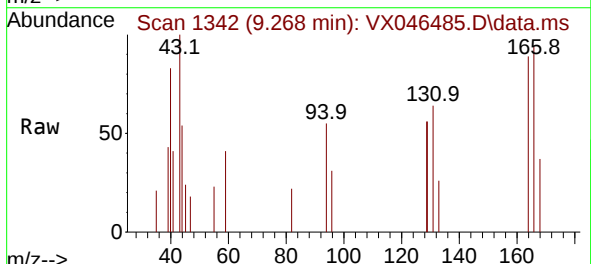
Manual Integrations
APPROVED

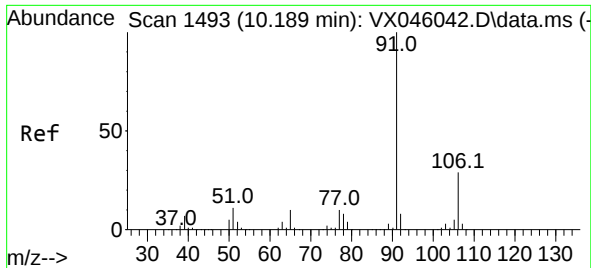
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#64
Tetrachloroethene
Concen: 0.376 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

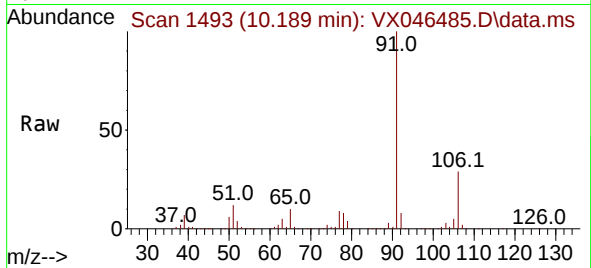
Tgt Ion:164 Resp: 292
Ion Ratio Lower Upper
164 100
166 106.3 105.0 157.6
129 126.3 83.5 125.3#
131 72.2 76.5 114.7#





#67
Ethyl Benzene
Concen: 84.244 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

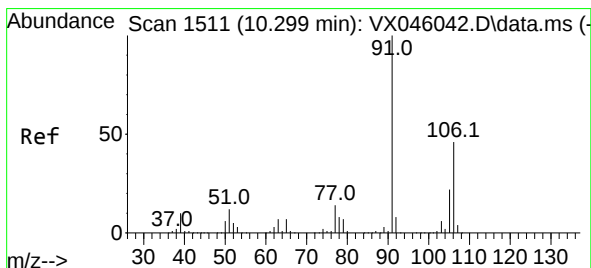
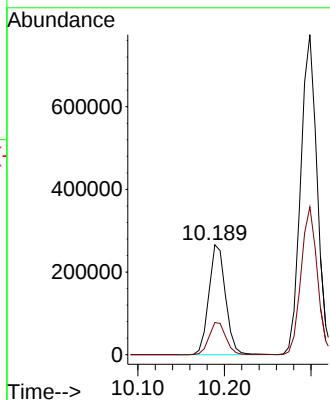
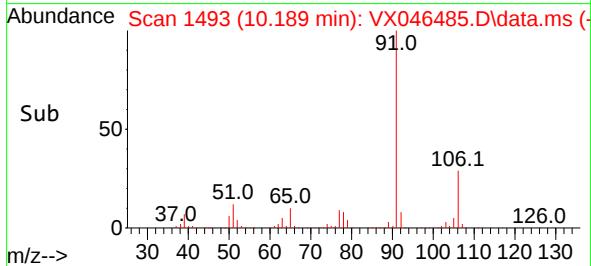
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



Tgt Ion: 91 Resp: 356450
Ion Ratio Lower Upper
91 100
106 29.3 23.4 35.2

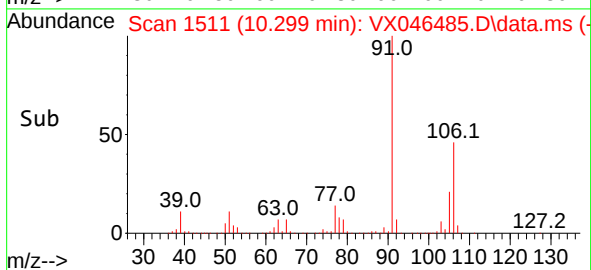
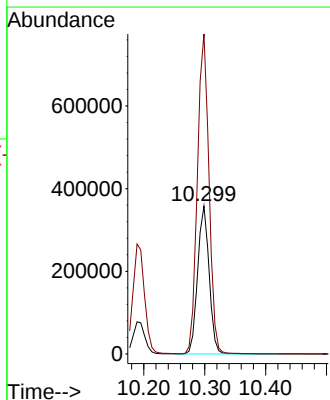
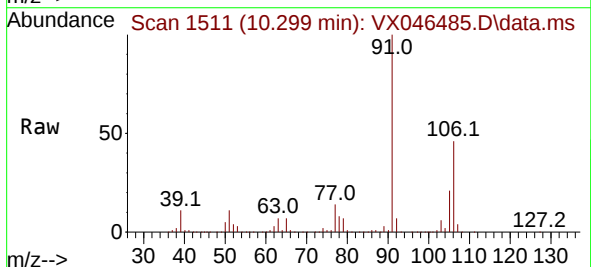
Manual Integrations
APPROVED

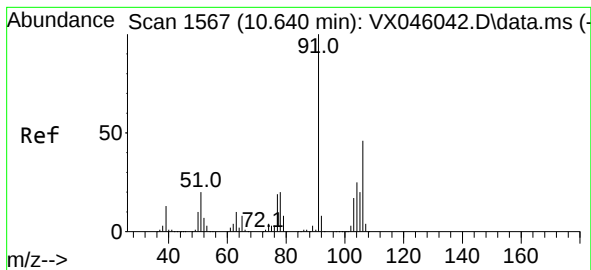
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#68
m/p-Xylenes
Concen: 301.828 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

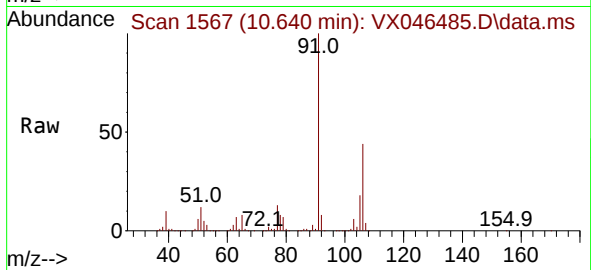
Tgt Ion:106 Resp: 467084
Ion Ratio Lower Upper
106 100
91 218.7 171.2 256.8





#69
o-Xylene
Concen: 173.858 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

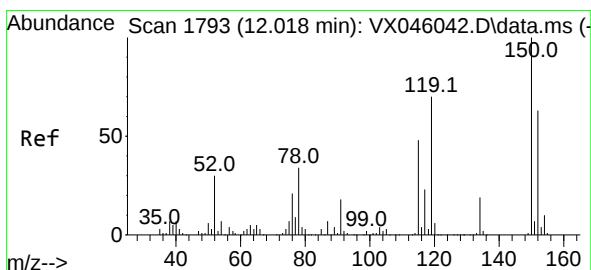
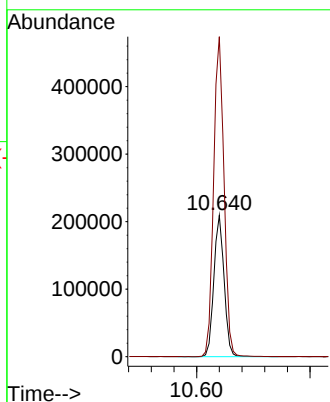
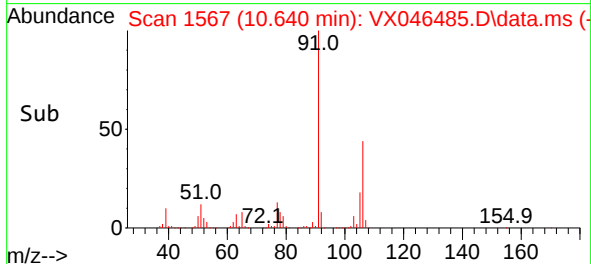
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



Tgt Ion:106 Resp: 262290
Ion Ratio Lower Upper
106 100
91 229.9 112.7 338.1

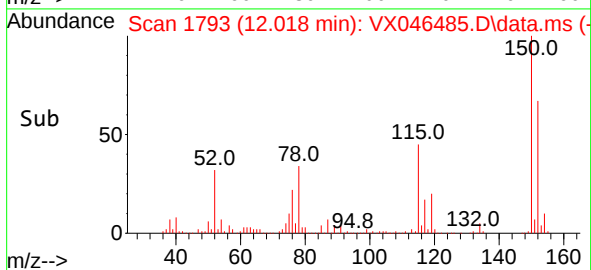
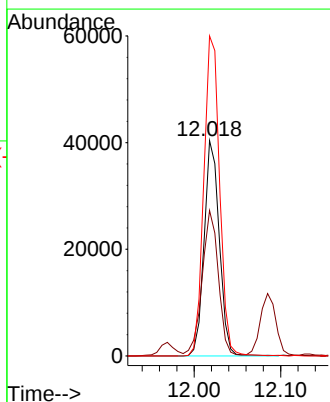
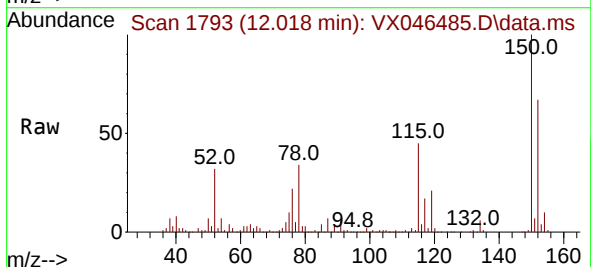
Manual Integrations
APPROVED

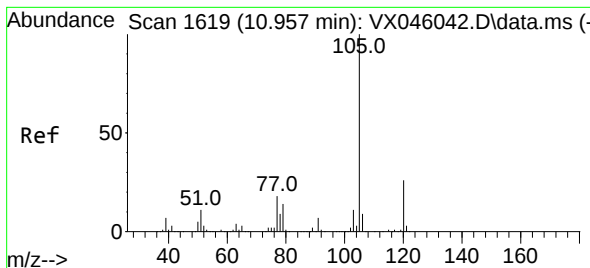
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

Tgt Ion:152 Resp: 49232
Ion Ratio Lower Upper
152 100
115 71.5 46.9 140.7
150 154.5 0.0 351.0





#73

Isopropylbenzene

Concen: 11.503 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX046485.D

Acq: 03 Jun 2025 20:02

Instrument :

MSVOA_X

ClientSampleId :

303-PPR-2

Tgt Ion:105 Resp: 44088

Ion Ratio Lower Upper

105 100

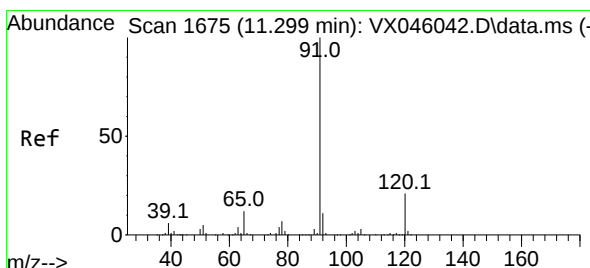
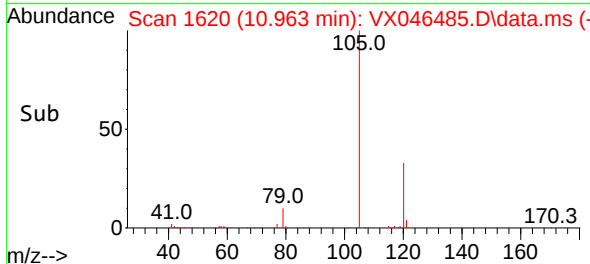
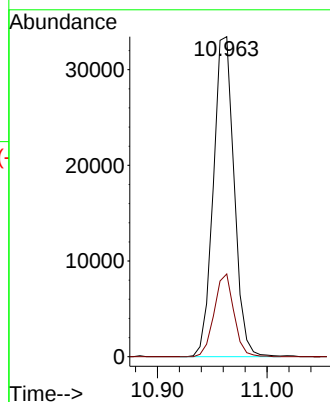
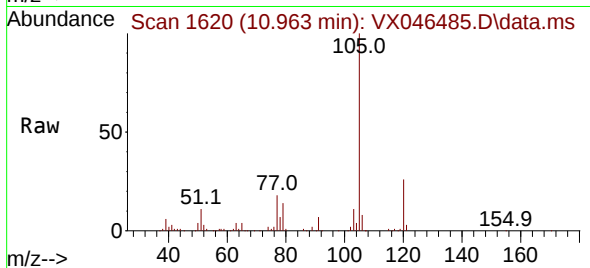
120 24.5 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025



#78

n-propylbenzene

Concen: 25.704 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX046485.D

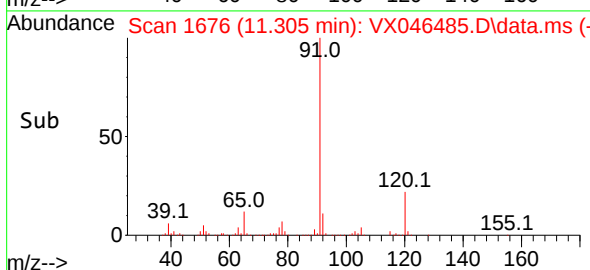
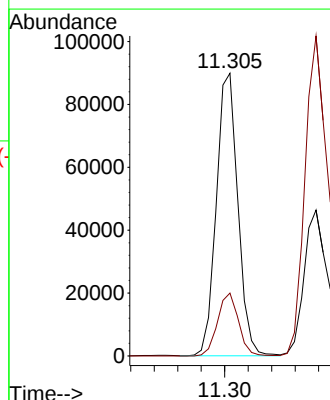
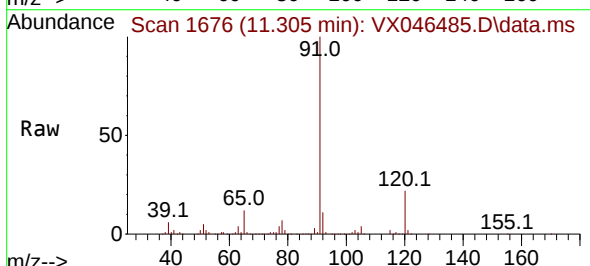
Acq: 03 Jun 2025 20:02

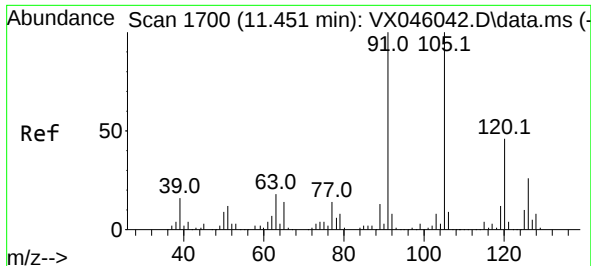
Tgt Ion: 91 Resp: 114551

Ion Ratio Lower Upper

91 100

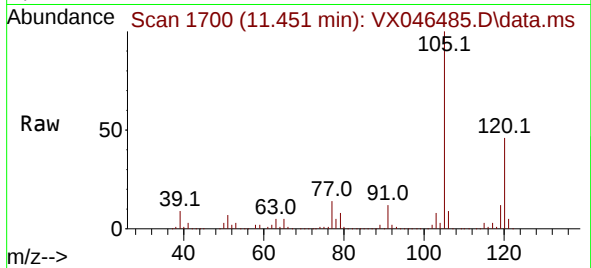
120 21.7 10.8 32.4





#80
1,3,5-Trimethylbenzene
Concen: 58.424 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

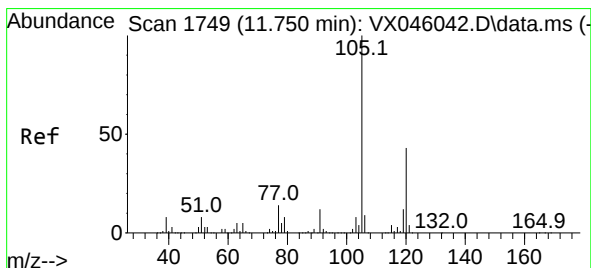
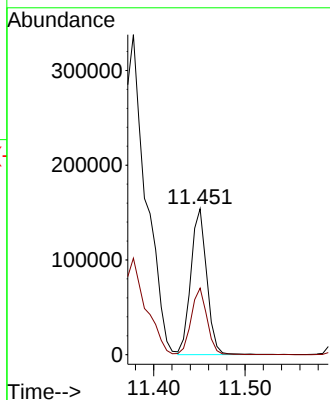
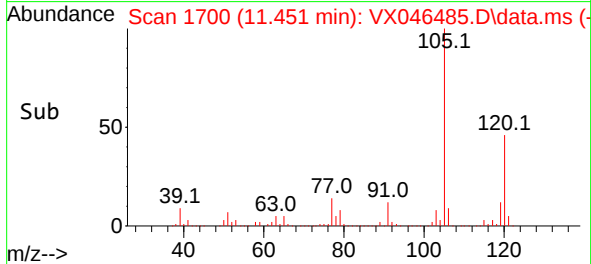
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



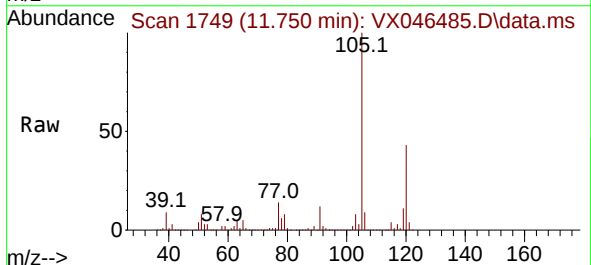
Tgt Ion:105 Resp: 18707
Ion Ratio Lower Upper
105 100
120 45.2 23.1 69.2

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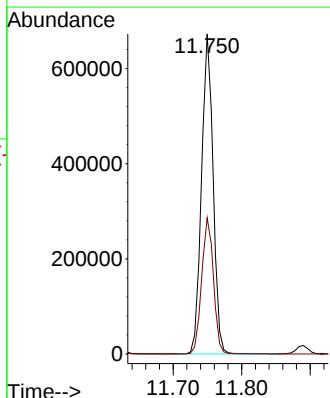
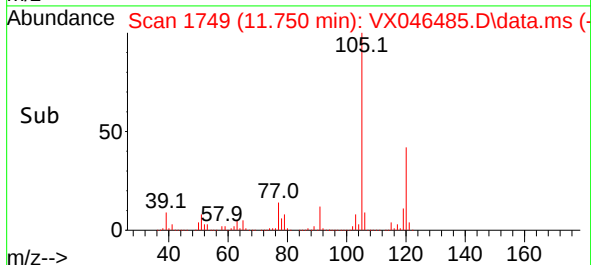
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

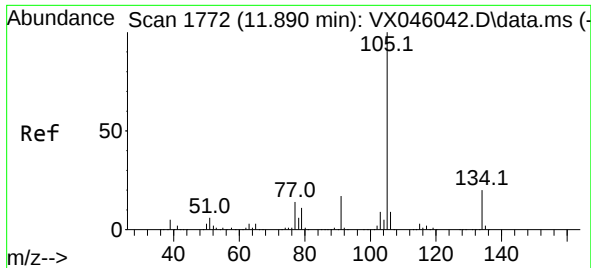


#84
1,2,4-Trimethylbenzene
Concen: 244.025 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02



Tgt Ion:105 Resp: 791299
Ion Ratio Lower Upper
105 100
120 43.4 21.2 63.6





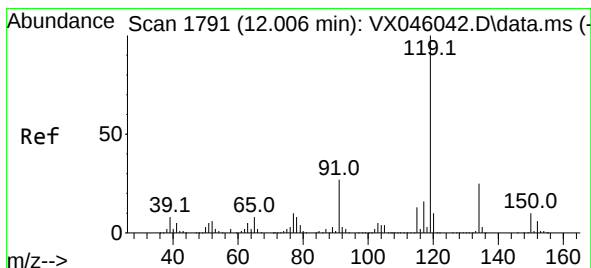
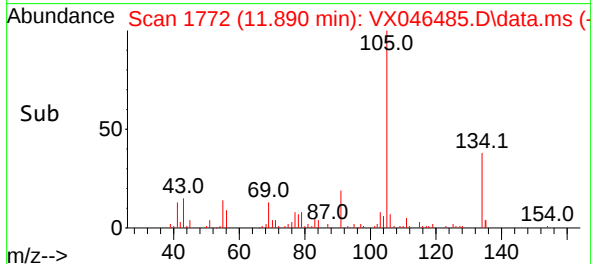
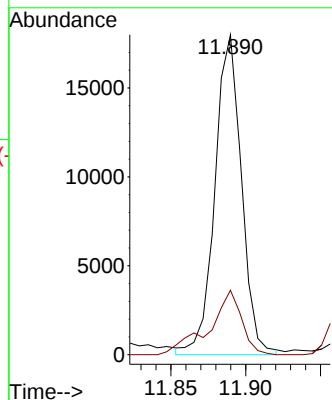
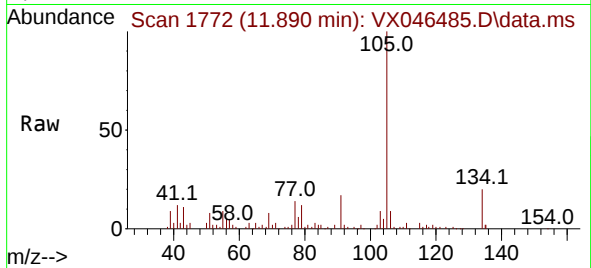
#85
 sec-Butylbenzene
 Concen: 5.608 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX046485.D
 Acq: 03 Jun 2025 20:02

Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-2

Tgt Ion:105 Resp: 22208
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1

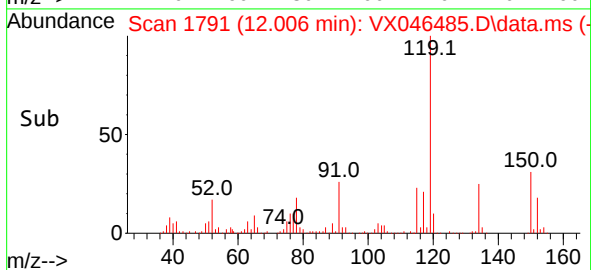
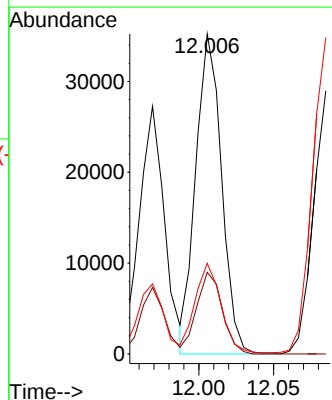
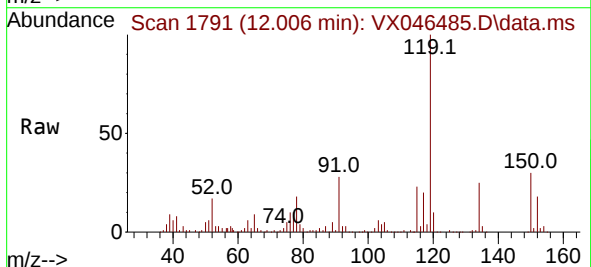
Manual Integrations
 APPROVED

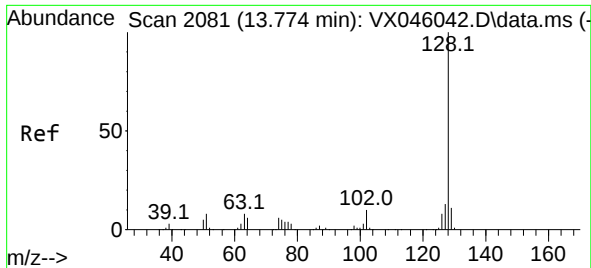
Reviewed By :John Carlone 06/04/2025
 Supervised By :Mahesh Dadoda 06/04/2025



#86
 p-Isopropyltoluene
 Concen: 12.927 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX046485.D
 Acq: 03 Jun 2025 20:02

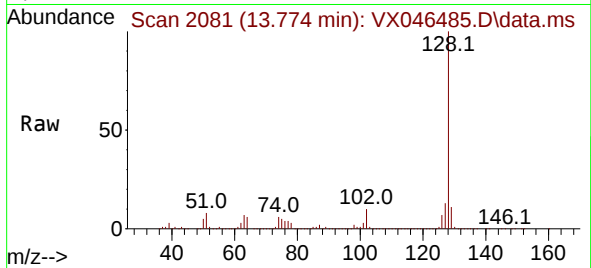
Tgt Ion:119 Resp: 42256
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 27.7 13.8 41.4





#95
Naphthalene
Concen: 139.729 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046485.D
Acq: 03 Jun 2025 20:02

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



Tgt Ion:128 Resp: 479688
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.2 8.6 13.0

Manual Integrations
APPROVED

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

