

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048677.D
 Acq On : 25 Nov 2025 12:19
 Operator : JC/MD
 Sample : Q3715-02 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW6

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 00:59:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	181127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	329370	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	361135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	192142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	125968	49.911	ug/l	-0.02
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.820%		
35) Dibromofluoromethane	5.361	113	111678	44.799	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.600%		
50) Toluene-d8	8.628	98	359516	46.241	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.480%		
62) 4-Bromofluorobenzene	11.061	95	173747	59.966	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	119.940%		
Target Compounds					Qvalue	
31) Cyclohexane	5.471	56	20764m	6.127	ug/l	
39) Methylcyclohexane	7.360	83	28141	7.508	ug/l	94
40) Benzene	6.019	78	4941	0.478	ug/l #	53
52) Toluene	8.702	92	1280	0.235	ug/l	78
67) Ethyl Benzene	10.177	91	86805	6.031	ug/l	97
68) m/p-Xylenes	10.281	106	20181	3.723	ug/l	94
69) o-Xylene	10.628	106	1179	0.222	ug/l	70
73) Isopropylbenzene	10.945	105	73983	5.305	ug/l	98
78) n-propylbenzene	11.287	91	330696	20.165	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	21423	1.884	ug/l	100
83) tert-Butylbenzene	11.695	119	4085	0.347	ug/l	88
84) 1,2,4-Trimethylbenzene	11.732	105	8096	0.706	ug/l	98
85) sec-Butylbenzene	11.872	105	38623	2.657	ug/l	93
86) p-Isopropyltoluene	11.988	119	12320	1.008	ug/l	94
89) n-Butylbenzene	12.311	91	71813	6.265	ug/l #	68
95) Naphthalene	13.756	128	34832	2.516	ug/l	95

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

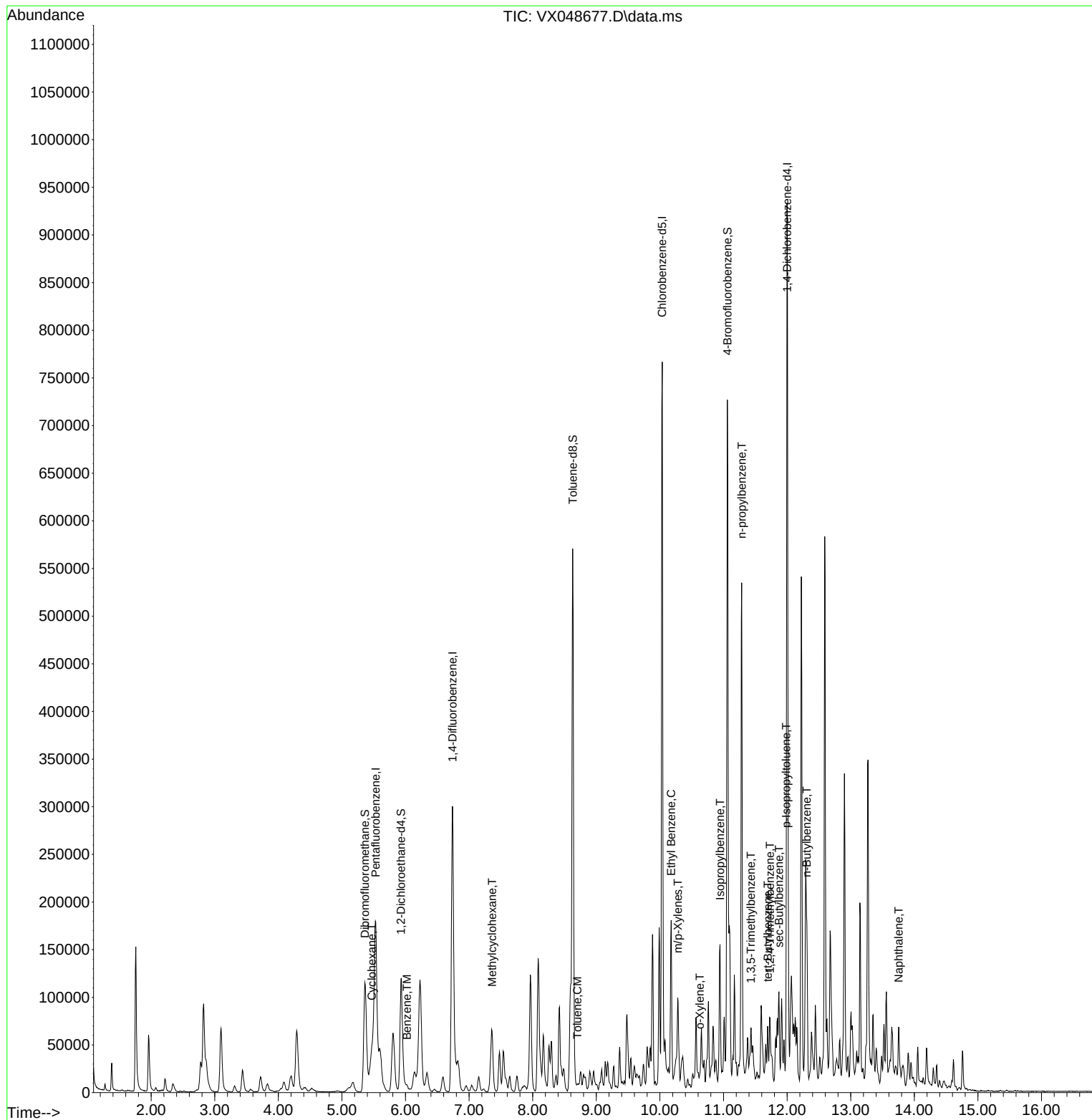
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048677.D
Acq On : 25 Nov 2025 12:19
Operator : JC/MD
Sample : Q3715-02 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

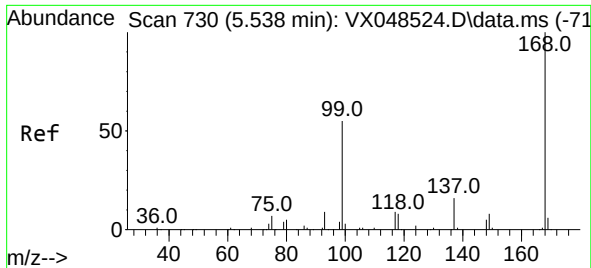
Instrument :
MSVOA_X
ClientSampleId :
MW6

Quant Time: Nov 26 00:59:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

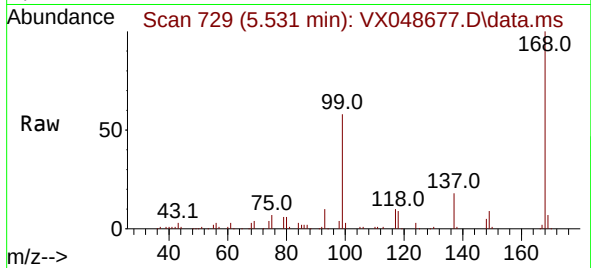
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 719
Delta R.T. -0.007 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

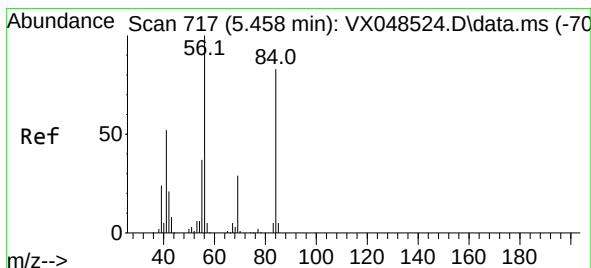
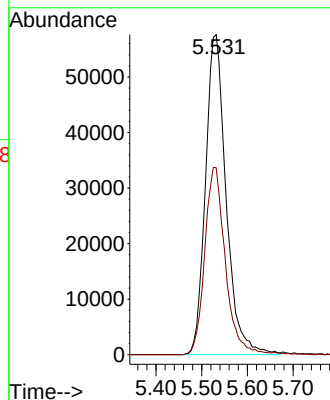
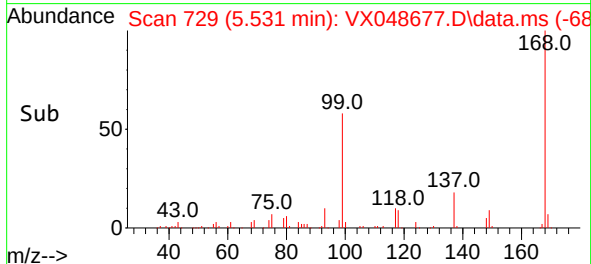
Instrument :
MSVOA_X
ClientSampleId :
MW6



Tgt Ion:168 Resp: 18112
Ion Ratio Lower Upper
168 100
99 58.4 45.2 67.8

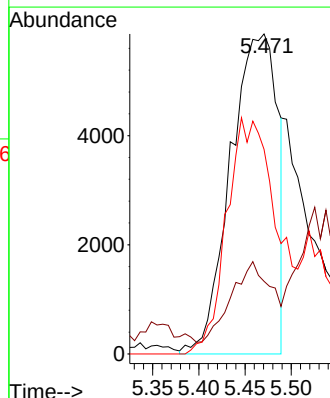
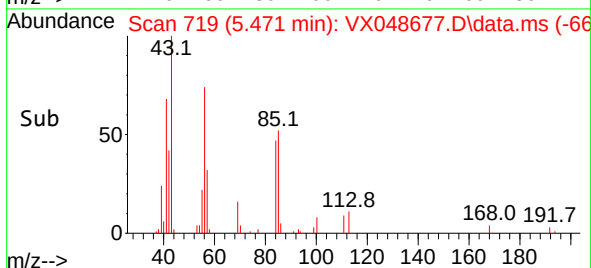
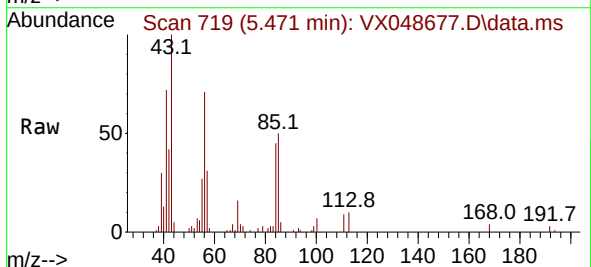
Manual Integrations
APPROVED

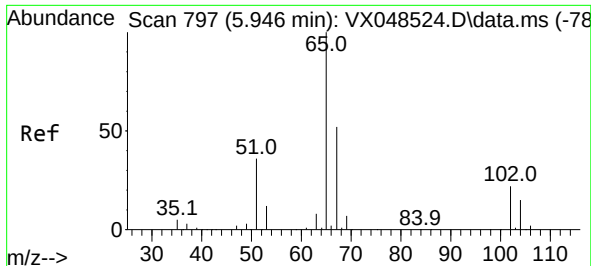
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#31
Cyclohexane
Concen: 6.127 ug/l m
RT: 5.471 min Scan# 719
Delta R.T. 0.012 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

Tgt Ion: 56 Resp: 20764
Ion Ratio Lower Upper
56 100
69 22.7 23.4 35.2#
84 63.9 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 49.911 ug/l

RT: 5.928 min Scan# 794

Delta R.T. -0.018 min

Lab File: VX048677.D

Acq: 25 Nov 2025 12:19

Instrument :

MSVOA_X

ClientSampleId :

MW6

Tgt Ion: 65 Resp: 125968

Ion Ratio Lower Upper

65 100

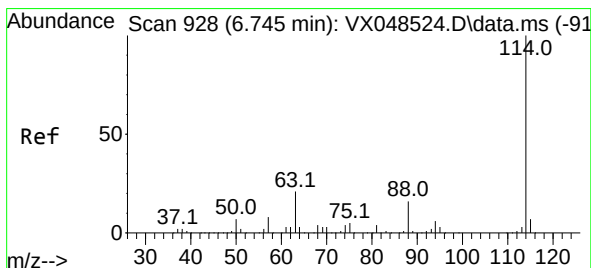
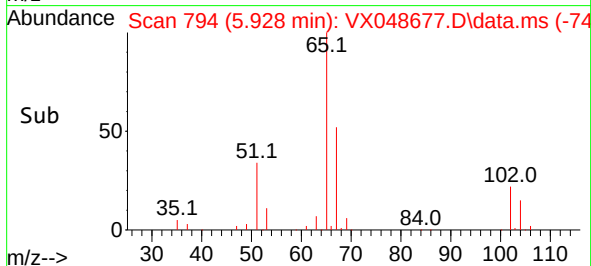
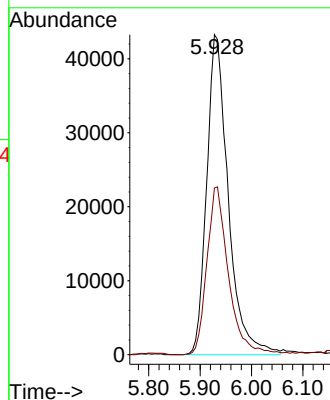
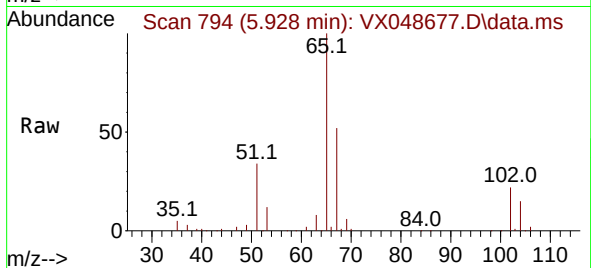
67 52.6 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 927

Delta R.T. -0.006 min

Lab File: VX048677.D

Acq: 25 Nov 2025 12:19

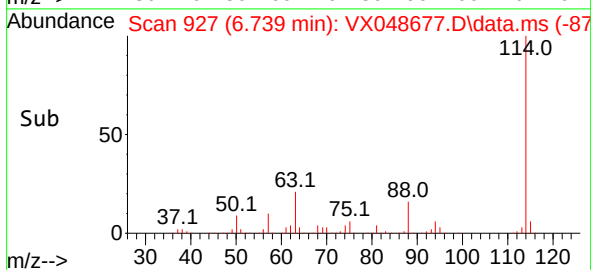
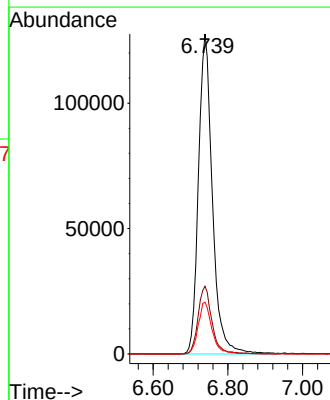
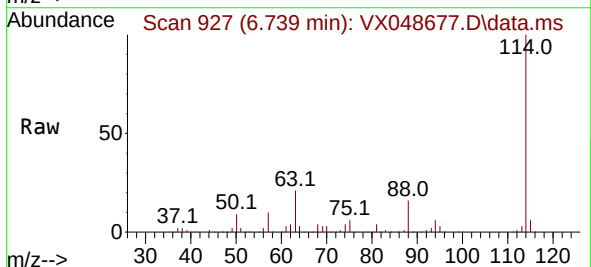
Tgt Ion:114 Resp: 329370

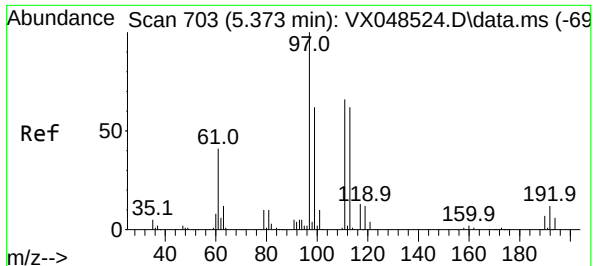
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.2

88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 44.799 ug/l

RT: 5.361 min Scan# 703

Delta R.T. -0.012 min

Lab File: VX048677.D

Acq: 25 Nov 2025 12:19

Instrument :

MSVOA_X

ClientSampleId :

MW6

Tgt Ion:113 Resp: 111678

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

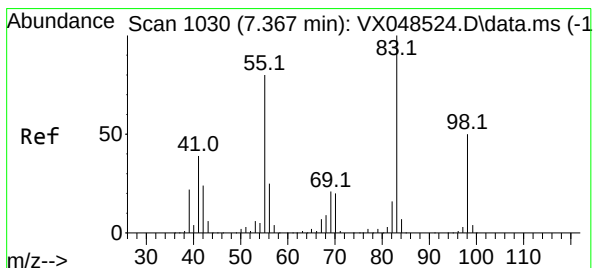
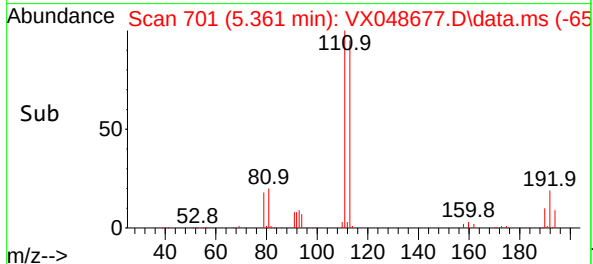
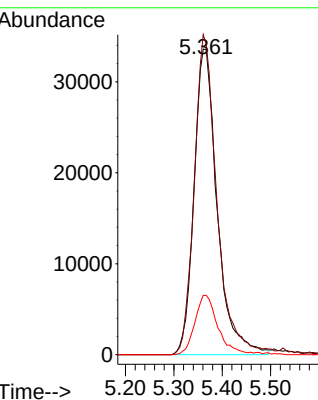
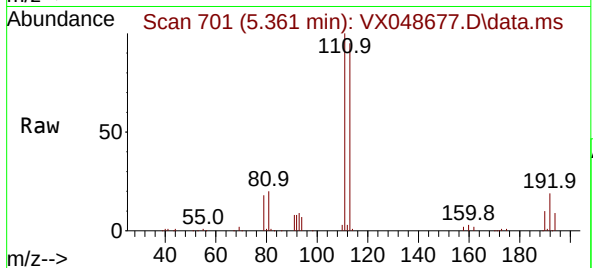
192 19.5 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#39

Methylcyclohexane

Concen: 7.508 ug/l

RT: 7.360 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VX048677.D

Acq: 25 Nov 2025 12:19

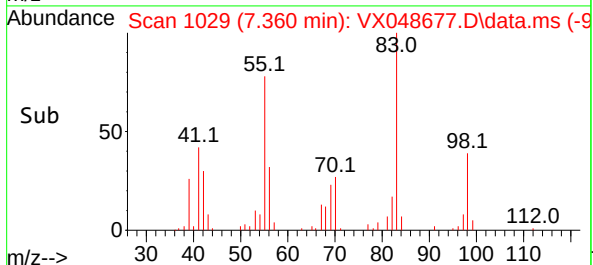
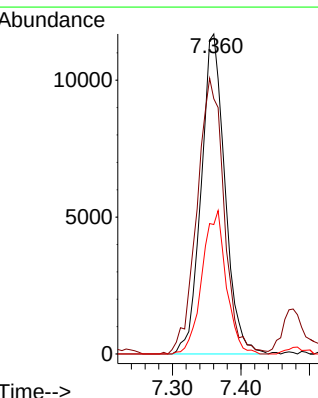
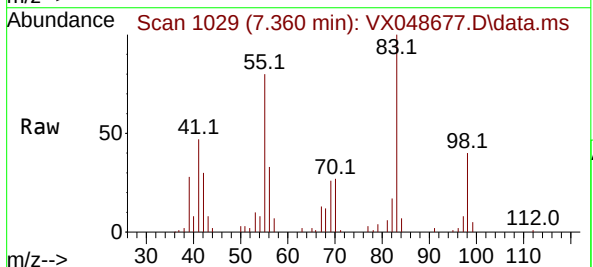
Tgt Ion: 83 Resp: 28141

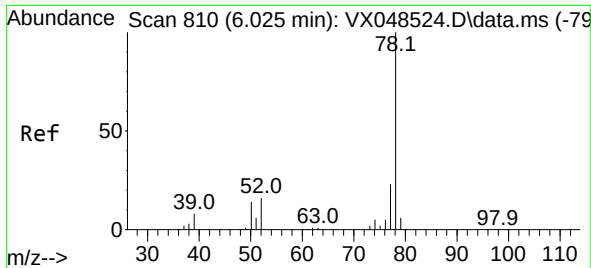
Ion Ratio Lower Upper

83 100

55 79.7 63.8 95.6

98 40.4 40.3 60.5





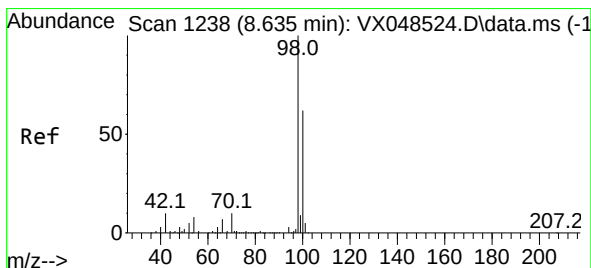
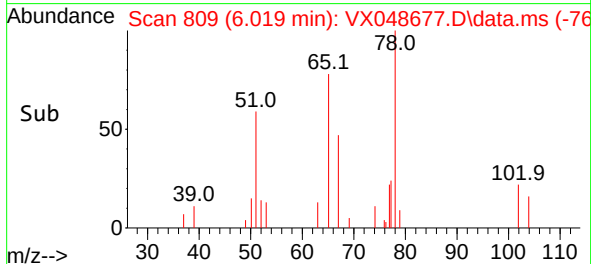
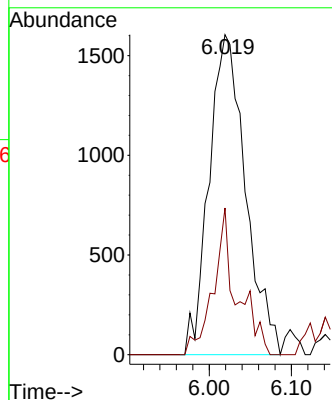
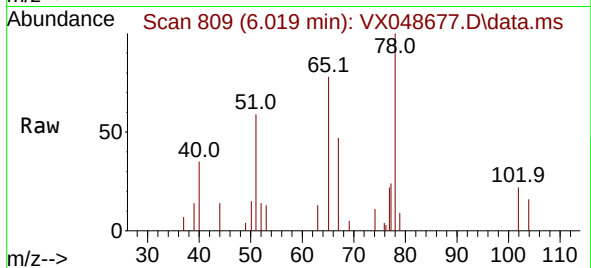
#40
Benzene
Concen: 0.478 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
MW6

Tgt Ion: 78 Resp: 494
Ion Ratio Lower Upper
78 100
77 45.9 18.3 27.5

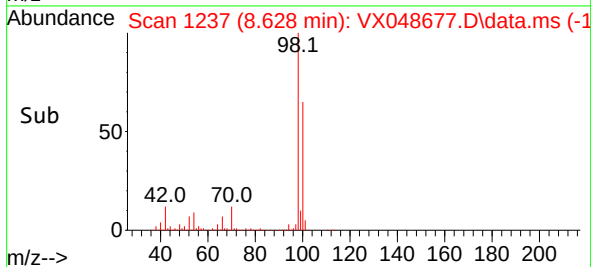
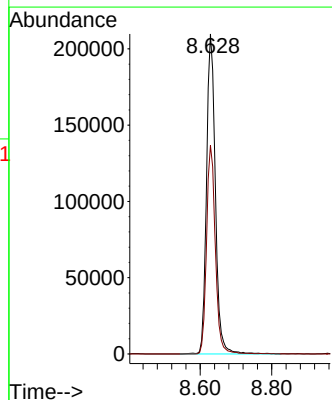
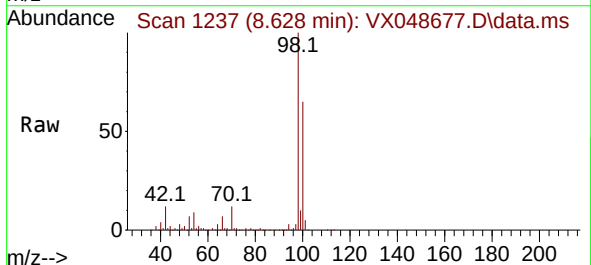
Manual Integrations
APPROVED

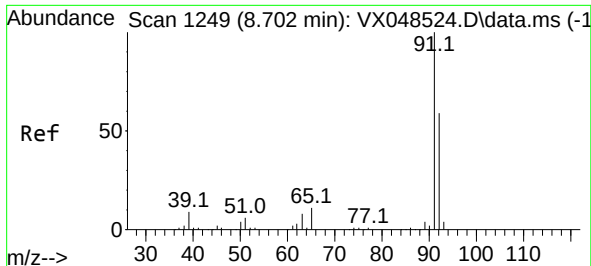
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#50
Toluene-d8
Concen: 46.241 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

Tgt Ion: 98 Resp: 359516
Ion Ratio Lower Upper
98 100
100 64.7 53.6 80.4





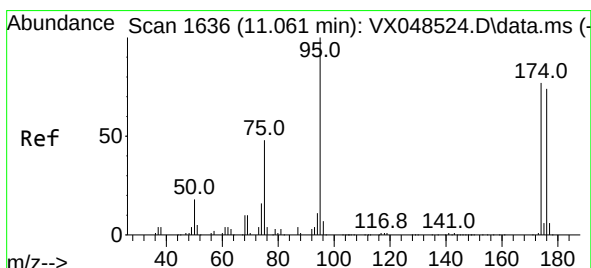
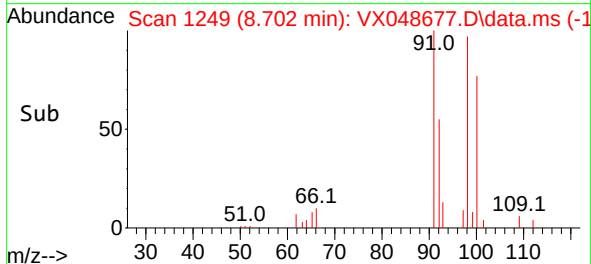
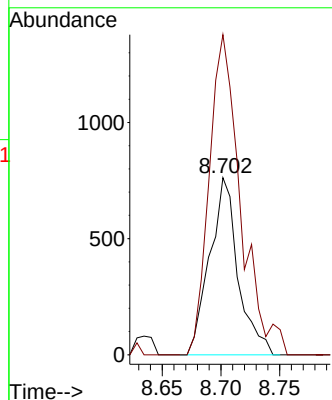
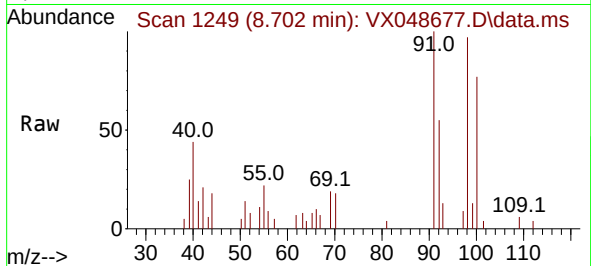
#52
Toluene
Concen: 0.235 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
MW6

Tgt Ion: 92 Resp: 1280
Ion Ratio Lower Upper
92 100
91 201.0 137.0 205.6

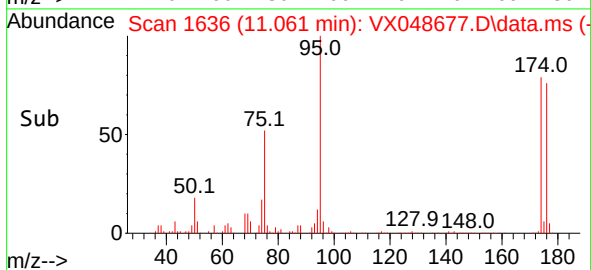
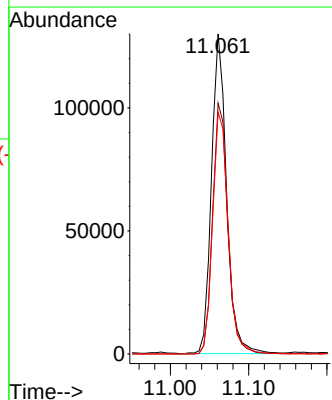
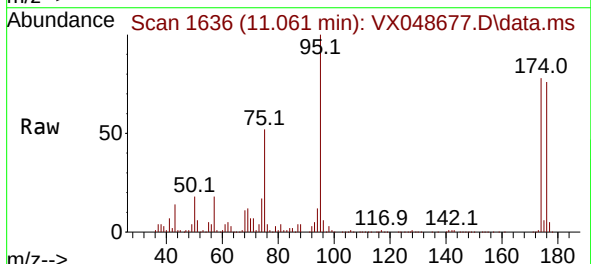
Manual Integrations
APPROVED

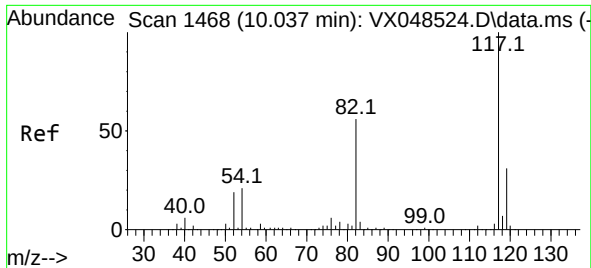
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#62
4-Bromofluorobenzene
Concen: 59.966 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

Tgt Ion: 95 Resp: 173747
Ion Ratio Lower Upper
95 100
174 78.9 0.0 161.8
176 78.0 0.0 153.6





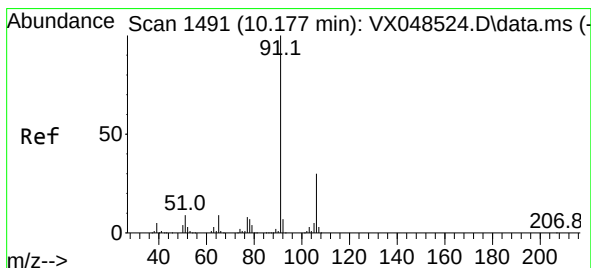
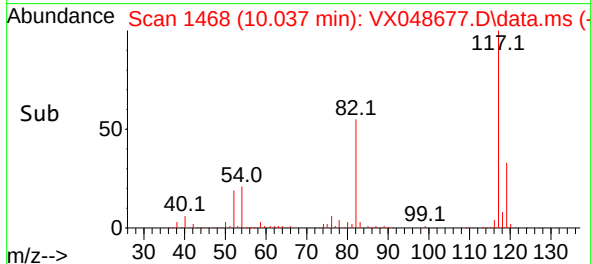
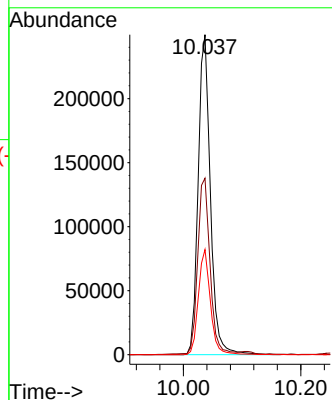
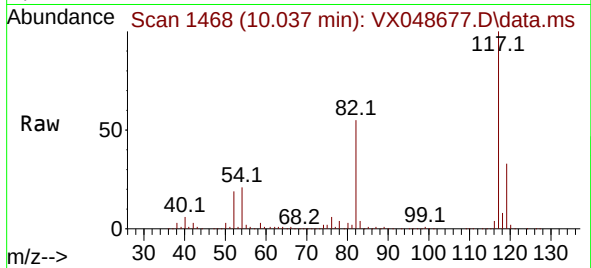
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
MW6

Tgt Ion:117 Resp: 361135
Ion Ratio Lower Upper
117 100
82 55.0 44.4 66.6
119 32.9 25.1 37.7

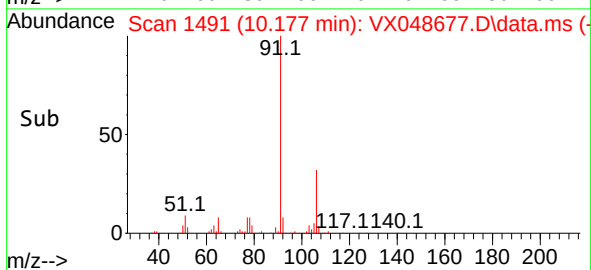
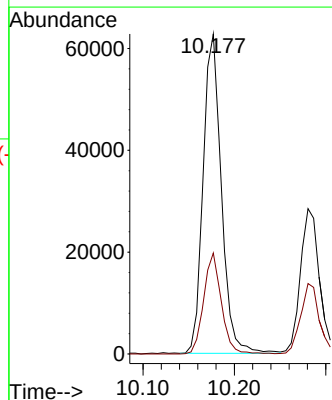
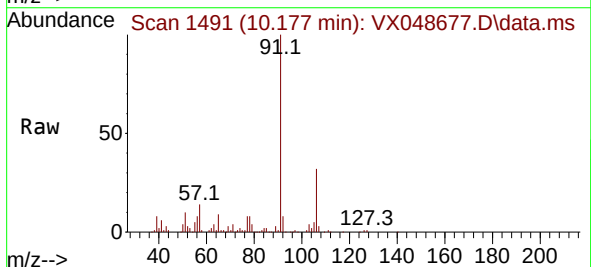
Manual Integrations
APPROVED

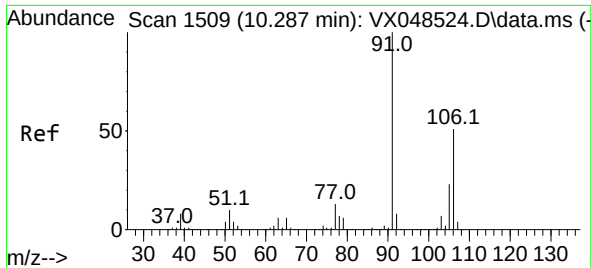
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#67
Ethyl Benzene
Concen: 6.031 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

Tgt Ion: 91 Resp: 86805
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1





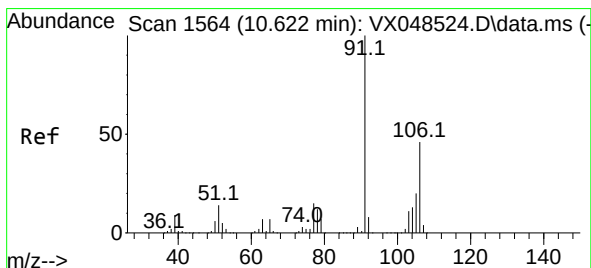
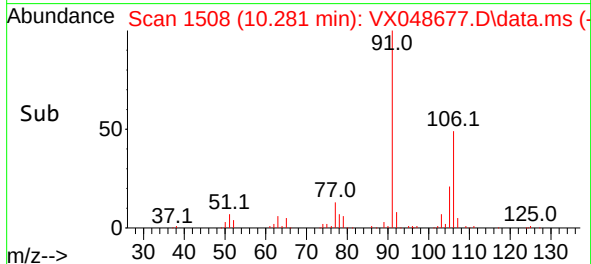
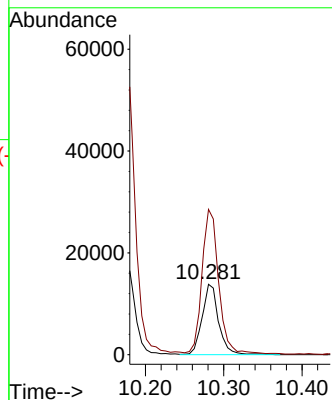
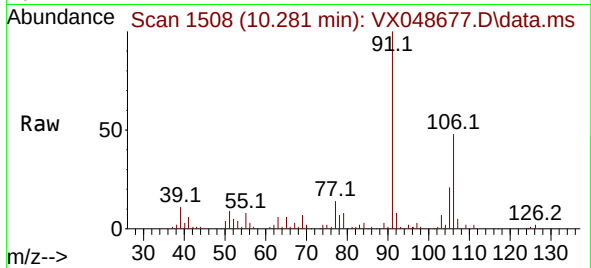
#68
m/p-Xylenes
Concen: 3.723 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

Instrument :
MSVOA_X
ClientSampleId :
MW6

Tgt Ion:106 Resp: 2018
Ion Ratio Lower Upper
106 100
91 207.8 159.6 239.4

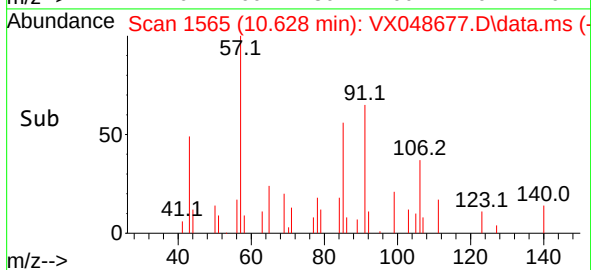
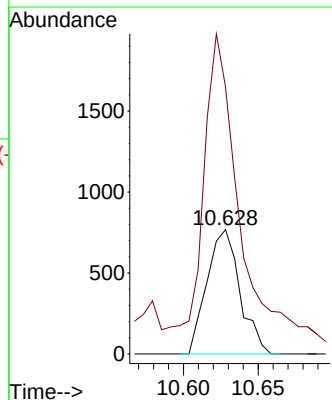
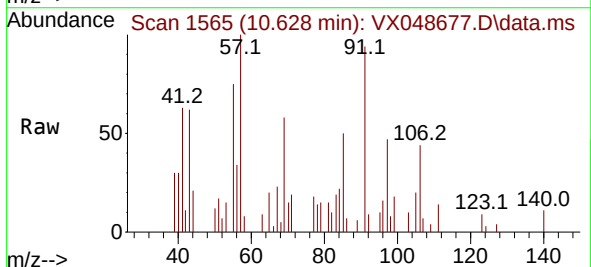
Manual Integrations
APPROVED

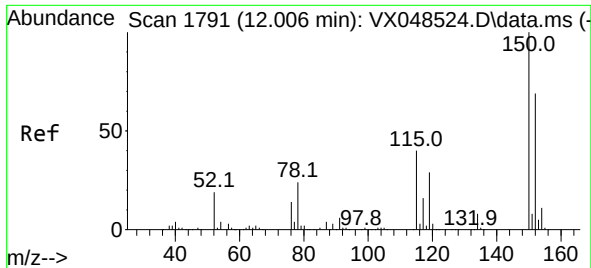
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#69
o-Xylene
Concen: 0.222 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

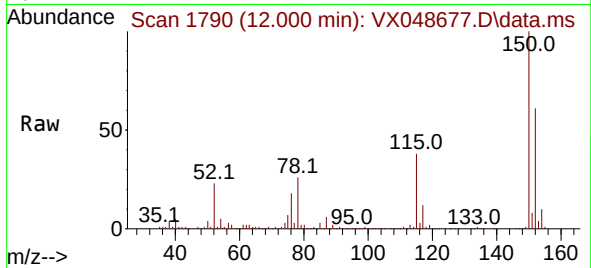
Tgt Ion:106 Resp: 1179
Ion Ratio Lower Upper
106 100
91 259.7 106.4 319.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

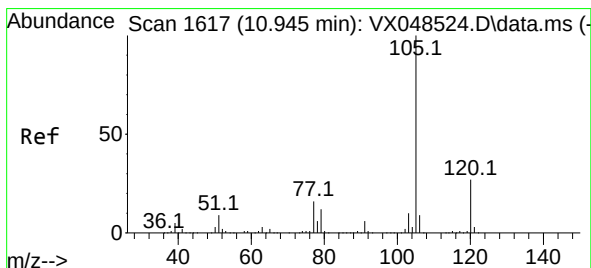
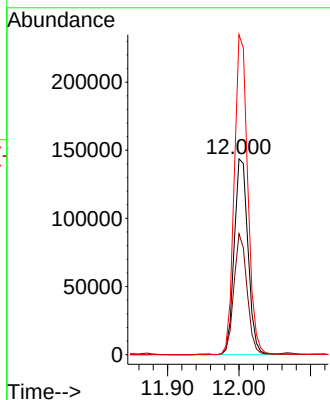
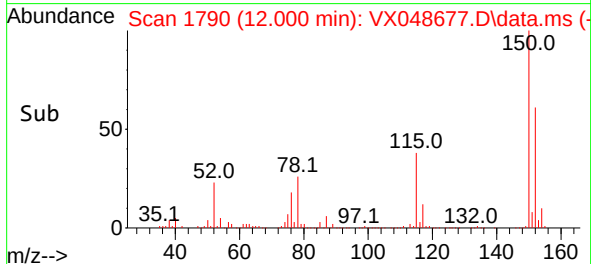
Instrument :
MSVOA_X
ClientSampleId :
MW6



Tgt Ion:152 Resp: 19214
Ion Ratio Lower Upper
152 100
115 59.0 39.2 117.6
150 160.4 0.0 347.0

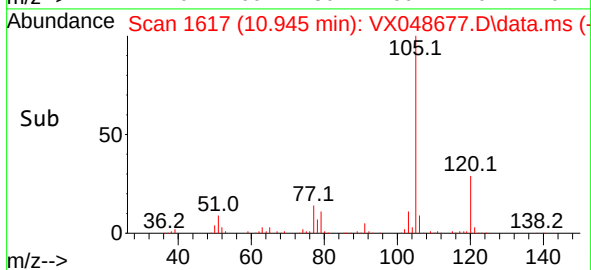
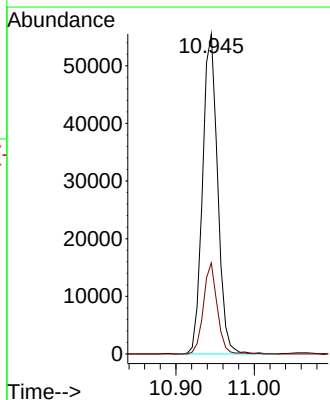
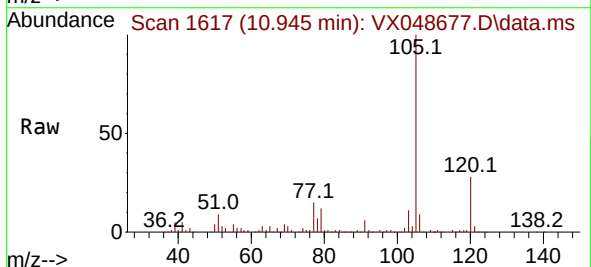
Manual Integrations
APPROVED

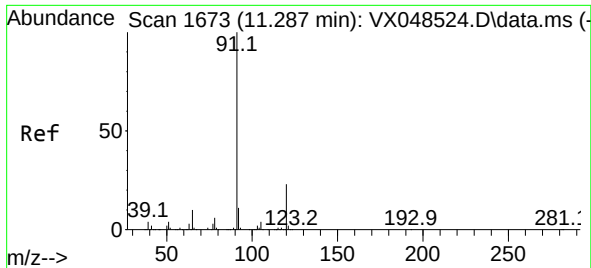
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#73
Isopropylbenzene
Concen: 5.305 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

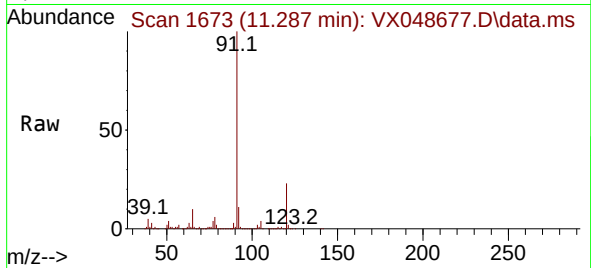
Tgt Ion:105 Resp: 73983
Ion Ratio Lower Upper
105 100
120 26.0 13.6 40.7





#78
n-propylbenzene
Concen: 20.165 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

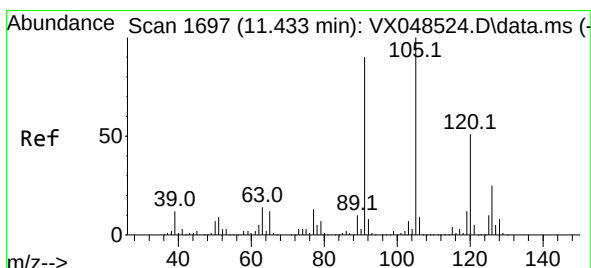
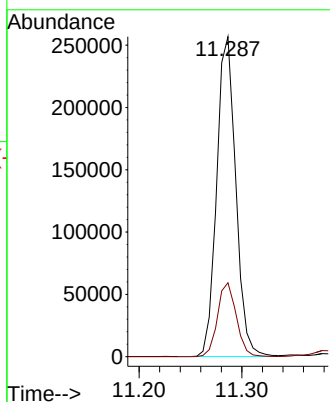
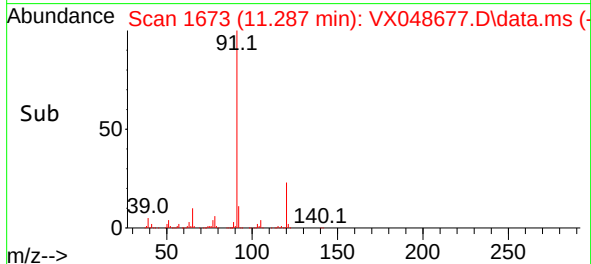
Instrument :
MSVOA_X
ClientSampleId :
MW6



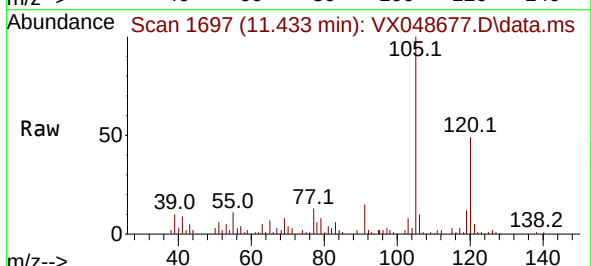
Tgt Ion: 91 Resp: 330690
Ion Ratio Lower Upper
91 100
120 22.8 11.6 34.8

Manual Integrations
APPROVED

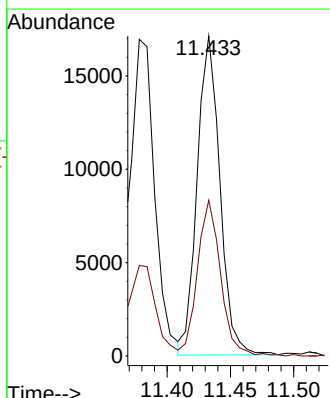
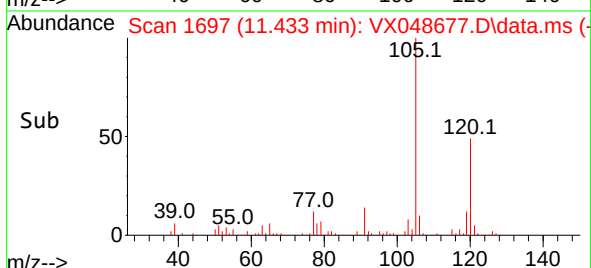
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

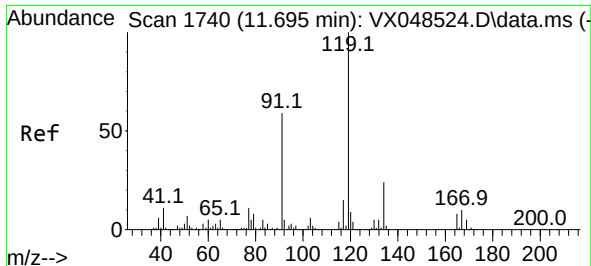


#80
1,3,5-Trimethylbenzene
Concen: 1.884 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19



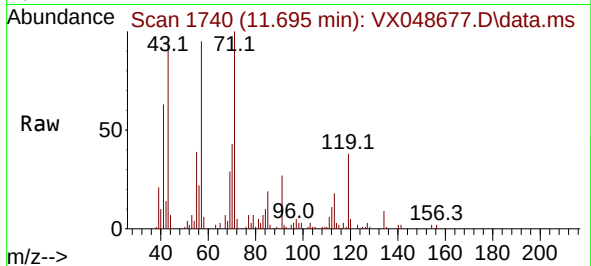
Tgt Ion:105 Resp: 21423
Ion Ratio Lower Upper
105 100
120 49.8 25.1 75.2





#83
tert-Butylbenzene
Concen: 0.347 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

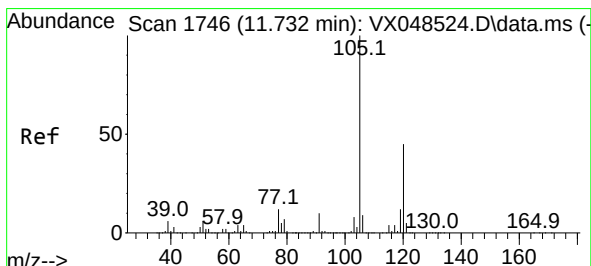
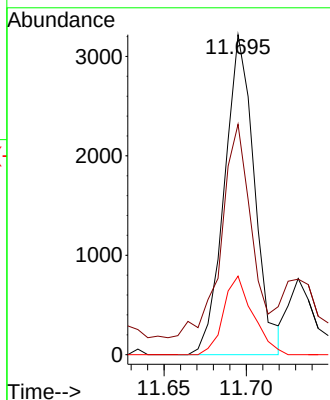
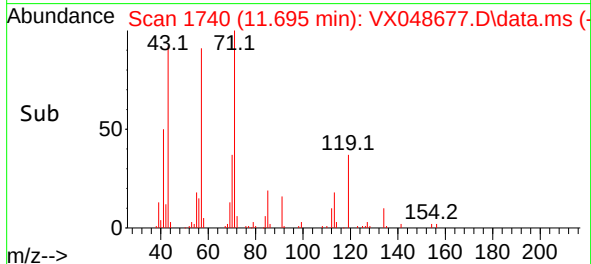
Instrument :
MSVOA_X
ClientSampleId :
MW6



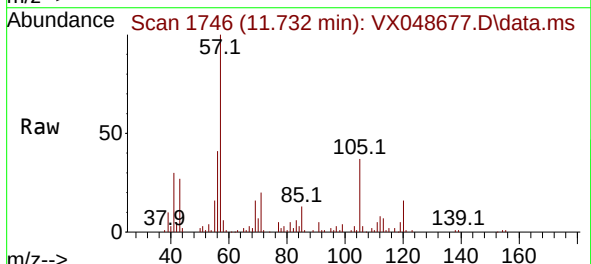
Tgt Ion:119 Resp: 4085
Ion Ratio Lower Upper
119 100
91 65.7 27.1 81.3
134 24.0 11.4 34.1

Manual Integrations
APPROVED

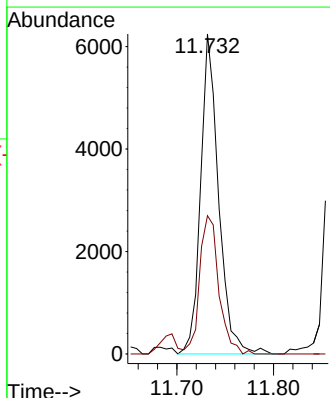
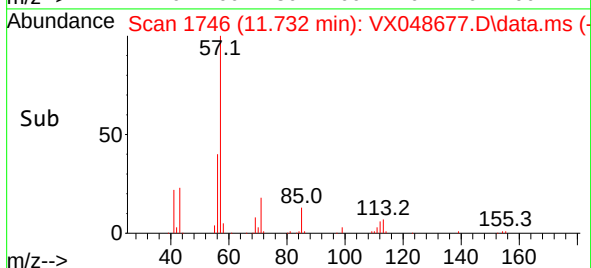
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

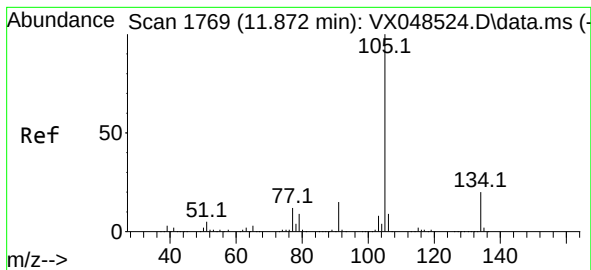


#84
1,2,4-Trimethylbenzene
Concen: 0.706 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19



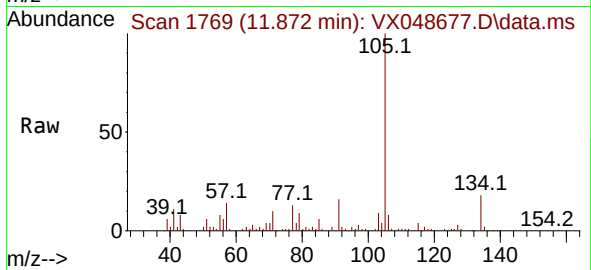
Tgt Ion:105 Resp: 8096
Ion Ratio Lower Upper
105 100
120 45.9 22.4 67.0





#85
 sec-Butylbenzene
 Concen: 2.657 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX048677.D
 Acq: 25 Nov 2025 12:19

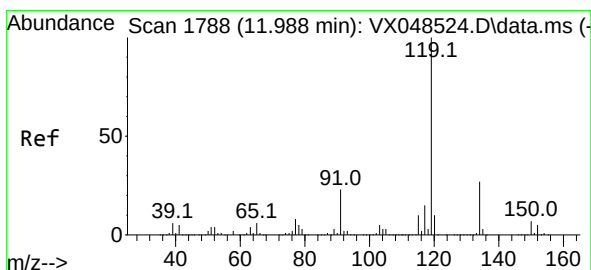
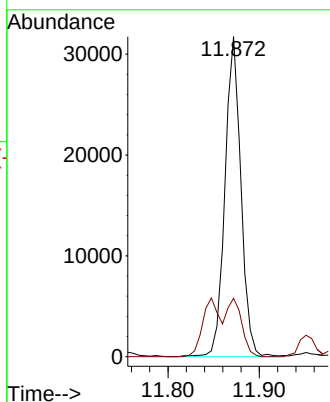
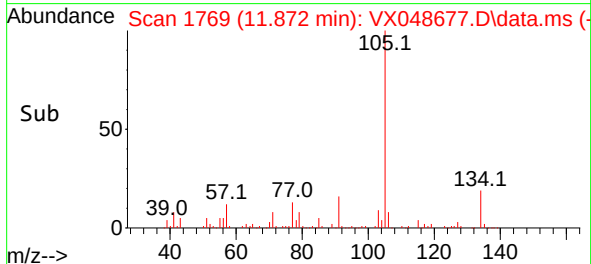
Instrument :
 MSVOA_X
 ClientSampleId :
 MW6



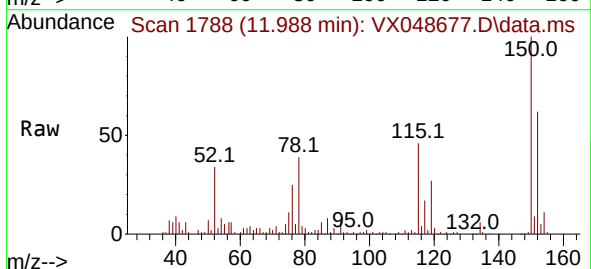
Tgt Ion:105 Resp: 3862
 Ion Ratio Lower Upper
 105 100
 134 16.9 10.2 30.4

Manual Integrations
 APPROVED

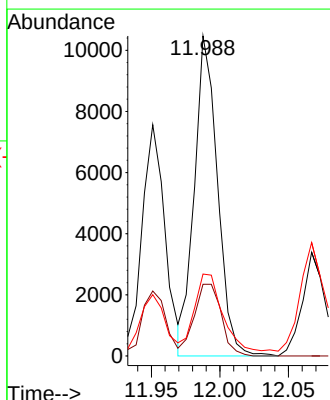
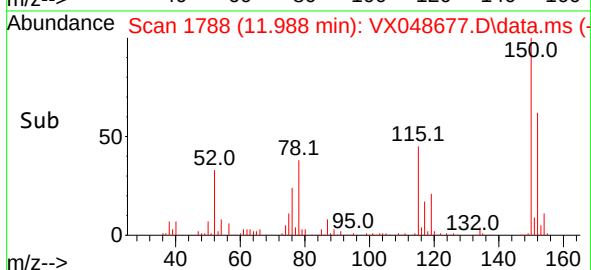
Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

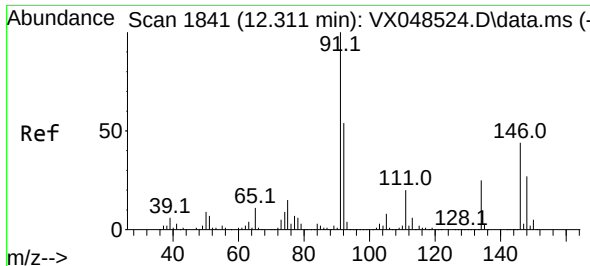


#86
 p-Isopropyltoluene
 Concen: 1.008 ug/l
 RT: 11.988 min Scan# 1788
 Delta R.T. -0.000 min
 Lab File: VX048677.D
 Acq: 25 Nov 2025 12:19



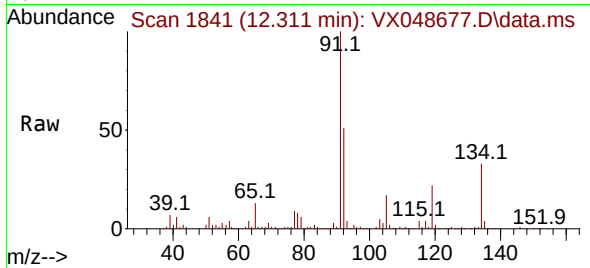
Tgt Ion:119 Resp: 12320
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 28.7 11.3 33.9





#89
n-Butylbenzene
Concen: 6.265 ug/l
RT: 12.311 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

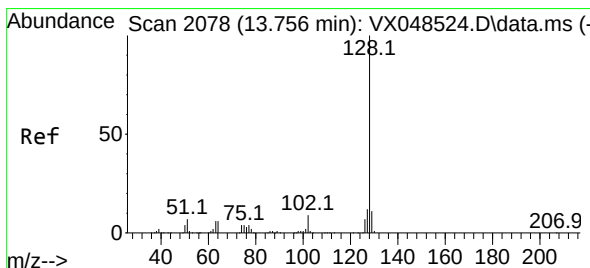
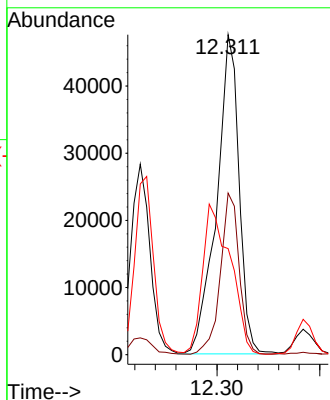
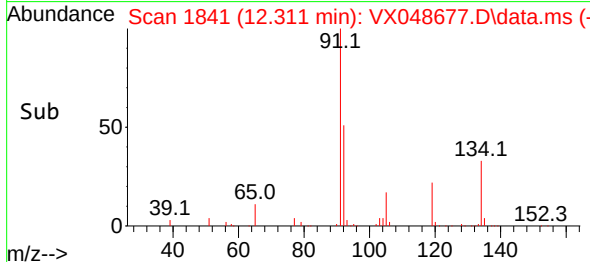
Instrument :
MSVOA_X
ClientSampleId :
MW6



Tgt Ion: 91 Resp: 71811
Ion Ratio Lower Upper
91 100
92 42.4 27.2 81.5
134 58.8 13.0 39.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#95
Naphthalene
Concen: 2.516 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048677.D
Acq: 25 Nov 2025 12:19

Tgt Ion:128 Resp: 34832
Ion Ratio Lower Upper
128 100
127 14.7 10.1 15.1
129 12.3 8.7 13.1

