

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
 Data File : VX048020.D
 Acq On : 06 Oct 2025 13:46
 Operator : JC/MD
 Sample : Q3201-06 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW3

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/07/2025
 Supervised By :Mahesh Dadoda 10/07/2025

Quant Time: Oct 07 02:13:09 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	5.543	168	146182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	297329	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	308048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	159943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123546	53.096	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.200%			
35) Dibromofluoromethane	5.379	113	97484	48.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.780%			
50) Toluene-d8	8.634	98	335535	48.630	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.260%			
62) 4-Bromofluorobenzene	11.067	95	150068	57.308	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.620%			
Target Compounds					Qvalue	
31) Cyclohexane	5.458	56	14656	4.767	ug/l #	93
39) Methylcyclohexane	7.366	83	8109	2.452	ug/l	97
40) Benzene	6.025	78	29927	3.382	ug/l	97
52) Toluene	8.701	92	192829	35.366	ug/l	100
67) Ethyl Benzene	10.177	91	761741	63.084	ug/l	100
68) m/p-Xylenes	10.286	106	284682	63.341	ug/l	99
69) o-Xylene	10.628	106	63069	14.508	ug/l	99
73) Isopropylbenzene	10.945	105	198038	16.286	ug/l	99
78) n-propylbenzene	11.286	91	250618	17.435	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	120013	12.013	ug/l	100
84) 1,2,4-Trimethylbenzene	11.737	105	244190	24.109	ug/l	100
85) sec-Butylbenzene	11.872	105	5740m	0.473	ug/l	
89) n-Butylbenzene	12.304	91	5714m	0.600	ug/l	
95) Naphthalene	13.755	128	96158	9.168	ug/l	99

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

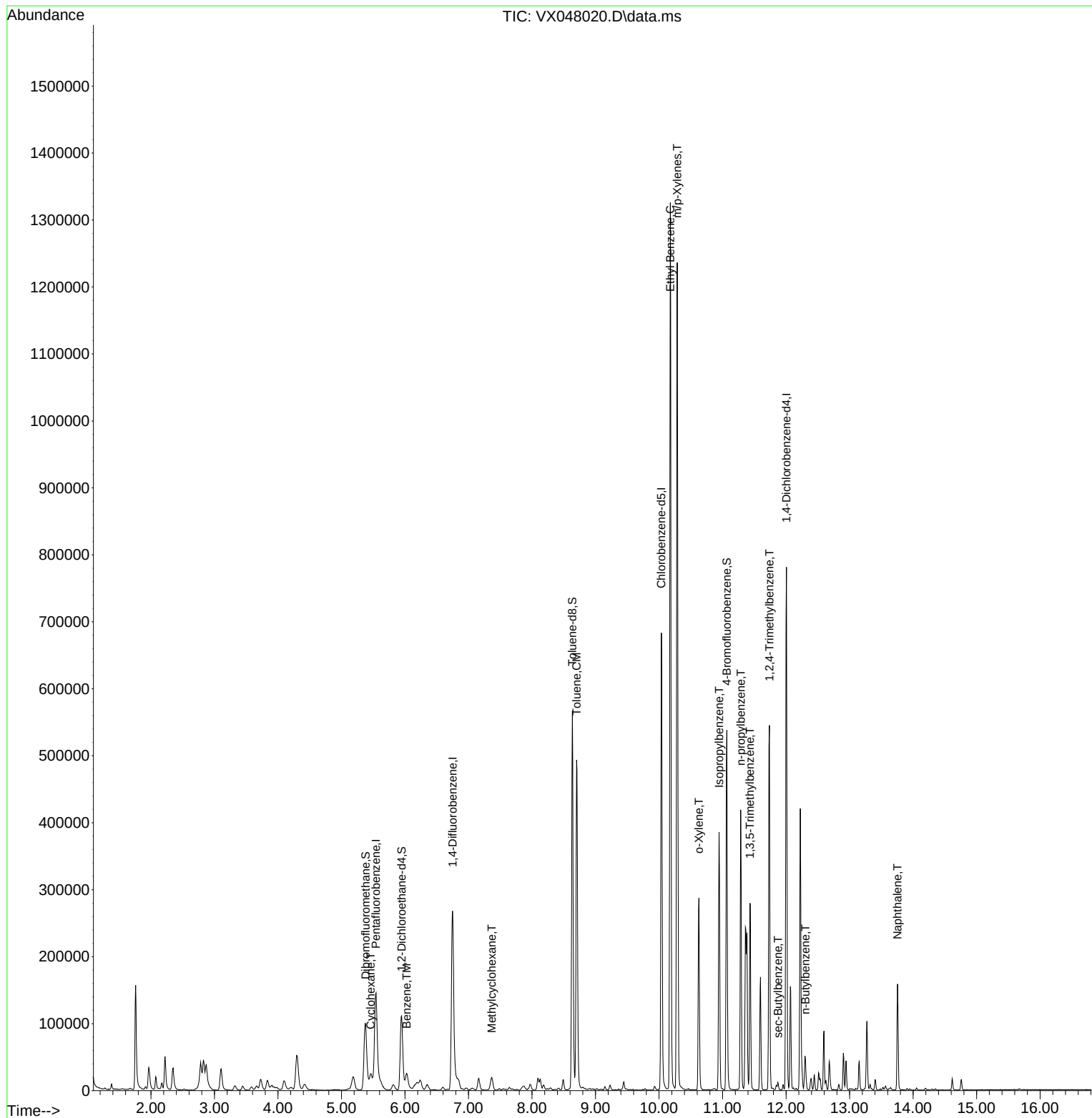
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
Data File : VX048020.D
Acq On : 06 Oct 2025 13:46
Operator : JC/MD
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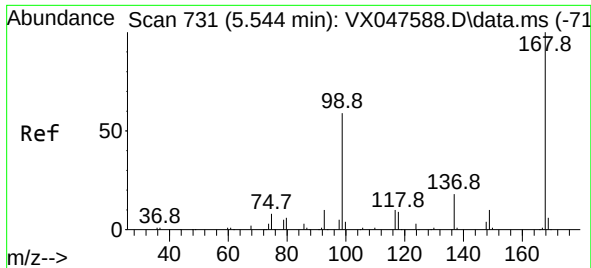
Instrument :
MSVOA_X
ClientSampleId :
MW3

Quant Time: Oct 07 02:13:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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QLast Update : Wed Sep 17 06:39:58 2025
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Manual Integrations
APPROVED

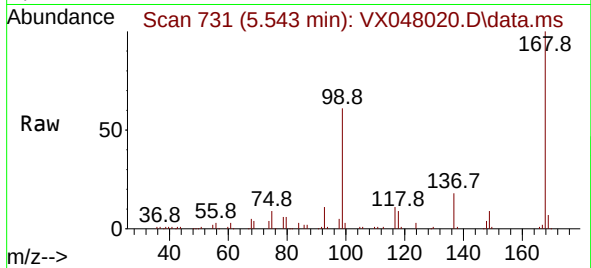
Reviewed By : John Carlone 10/07/2025
Supervised By : Mahesh Dadoda 10/07/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 717
Delta R.T. -0.001 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

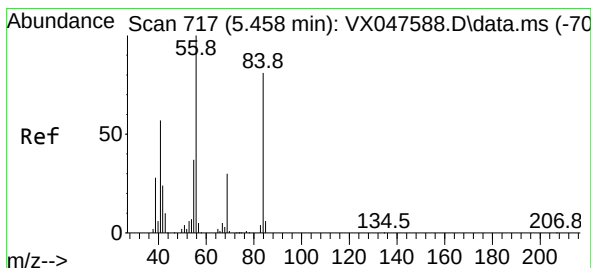
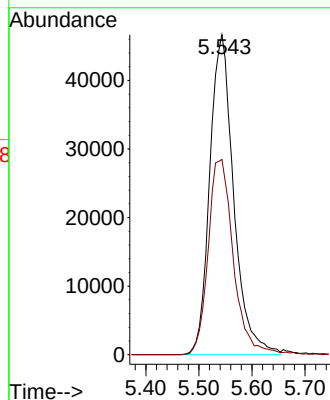
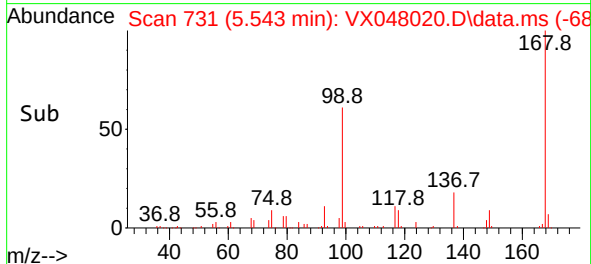
Instrument :
MSVOA_X
ClientSampleId :
MW3



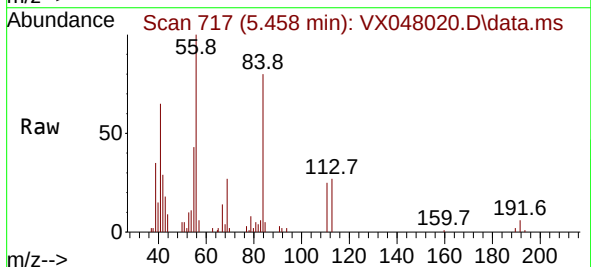
Tgt Ion:168 Resp: 14618
Ion Ratio Lower Upper
168 100
99 61.0 48.8 73.2

Manual Integrations
APPROVED

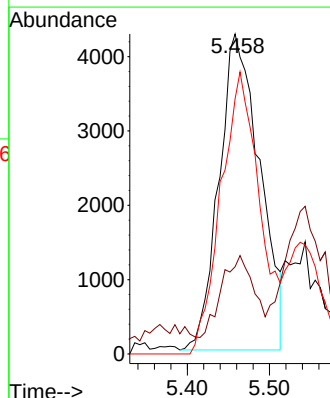
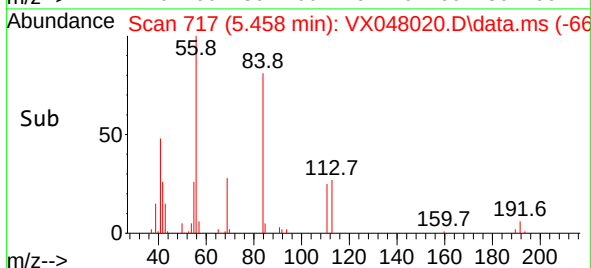
Reviewed By :John Carlone 10/07/2025
Supervised By :Mahesh Dadoda 10/07/2025

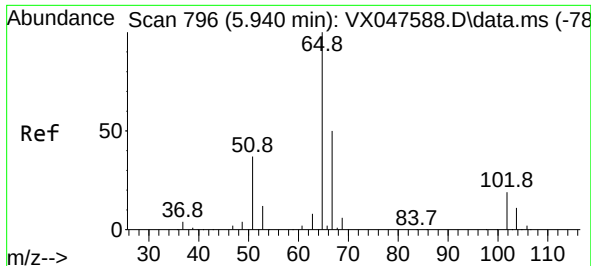


#31
Cyclohexane
Concen: 4.767 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46



Tgt Ion: 56 Resp: 14656
Ion Ratio Lower Upper
56 100
69 23.2 23.8 35.8#
84 85.7 64.6 97.0





#33

1,2-Dichloroethane-d4

Concen: 53.096 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048020.D

Acq: 06 Oct 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

MW3

Tgt Ion: 65 Resp: 123540

Ion Ratio Lower Upper

65 100

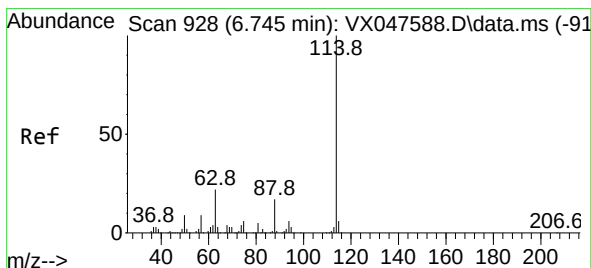
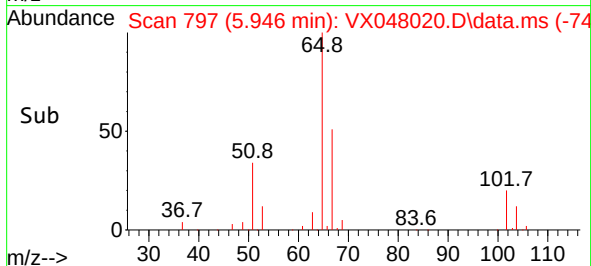
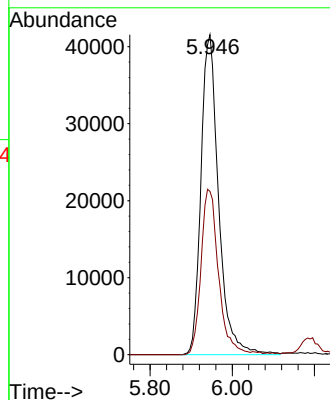
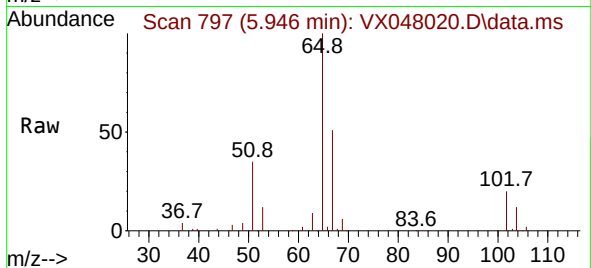
67 51.2 0.0 103.0

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 10/07/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.750 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048020.D

Acq: 06 Oct 2025 13:46

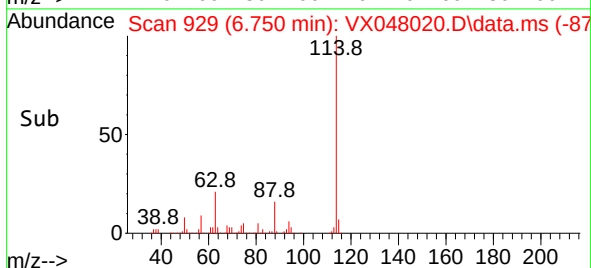
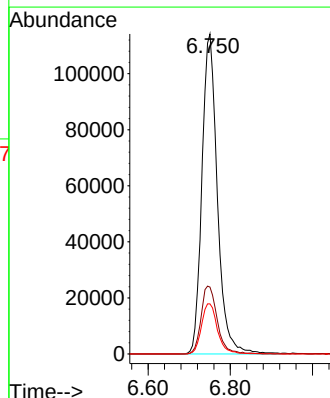
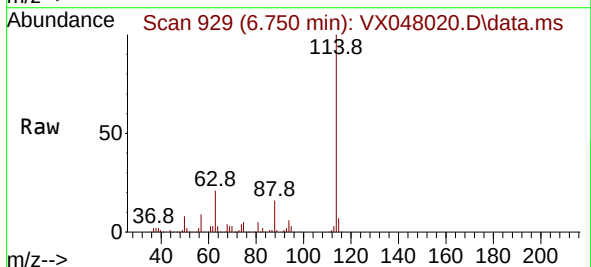
Tgt Ion:114 Resp: 297329

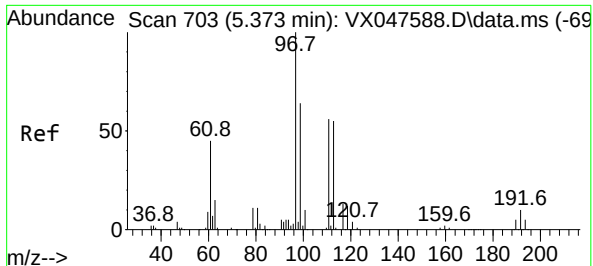
Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.0

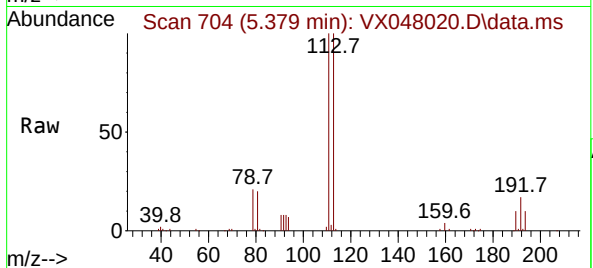
88 15.6 0.0 34.2





#35
Dibromofluoromethane
Concen: 48.887 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

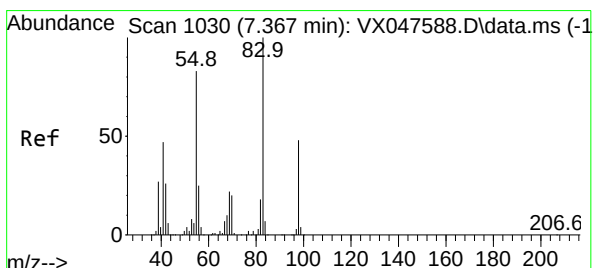
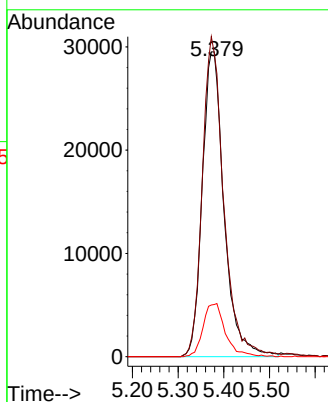
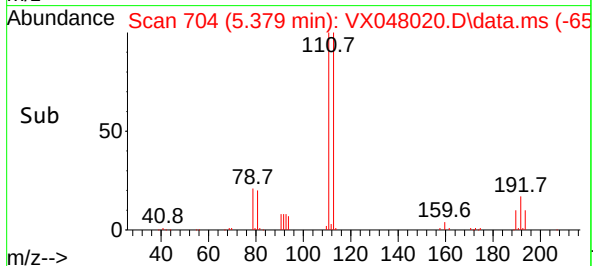
Instrument :
MSVOA_X
ClientSampleId :
MW3



Tgt Ion: 113 Resp: 97484
Ion Ratio Lower Upper
113 100
111 103.3 80.9 121.3
192 17.9 14.2 21.4

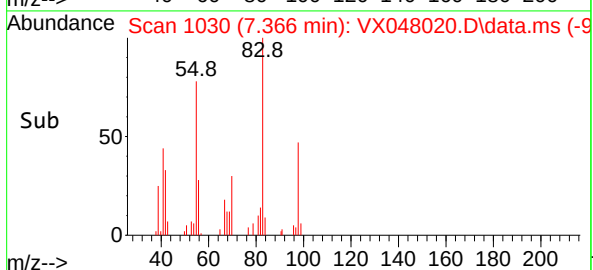
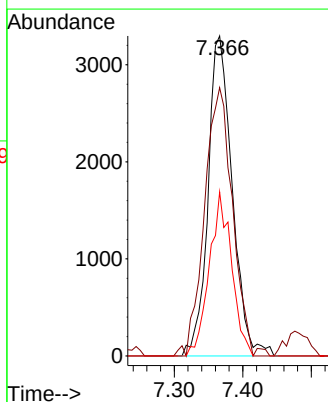
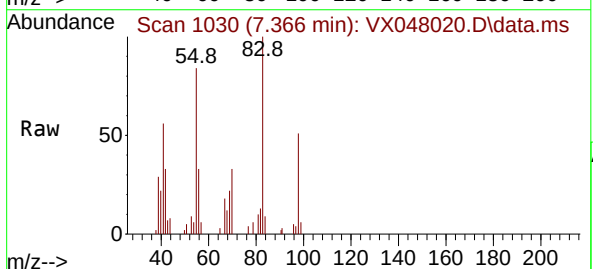
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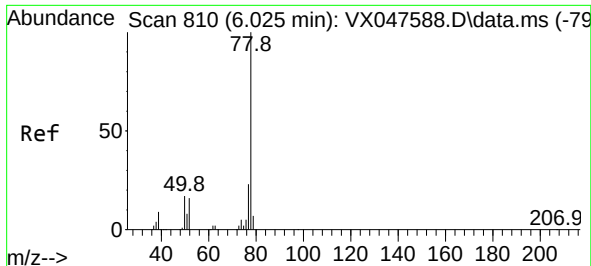
Reviewed By :John Carlone 10/07/2025
Supervised By :Mahesh Dadoda 10/07/2025



#39
Methylcyclohexane
Concen: 2.452 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

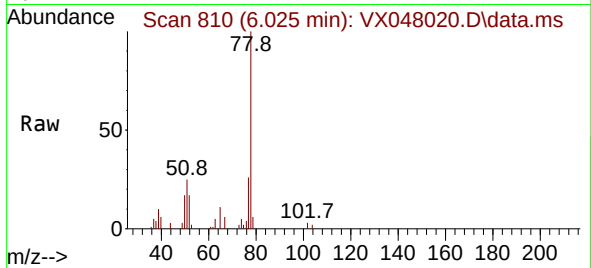
Tgt Ion: 83 Resp: 8109
Ion Ratio Lower Upper
83 100
55 81.9 66.4 99.6
98 51.3 38.1 57.1





#40
Benzene
Concen: 3.382 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

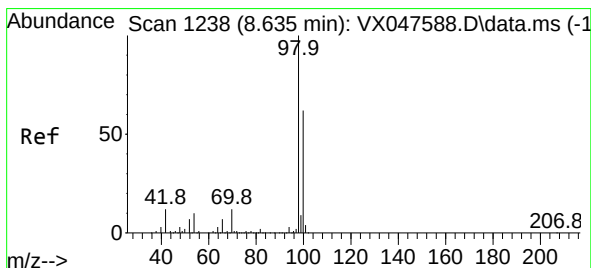
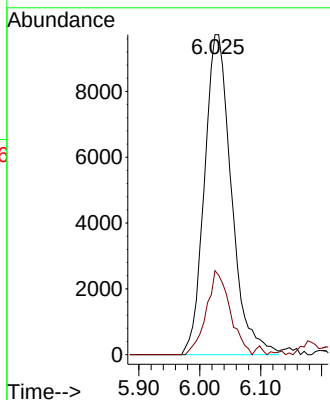
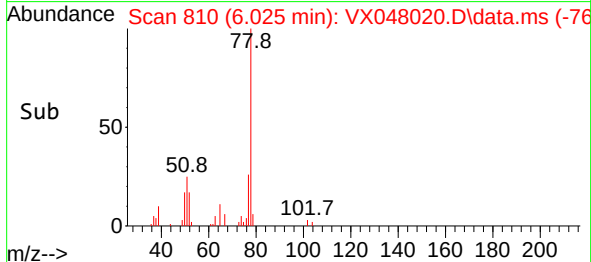
Instrument :
MSVOA_X
ClientSampleId :
MW3



Tgt Ion: 78 Resp: 2992
Ion Ratio Lower Upper
78 100
77 24.8 18.8 28.2

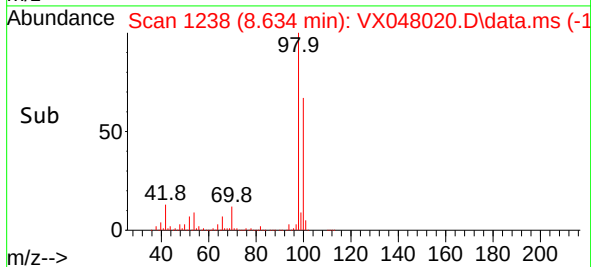
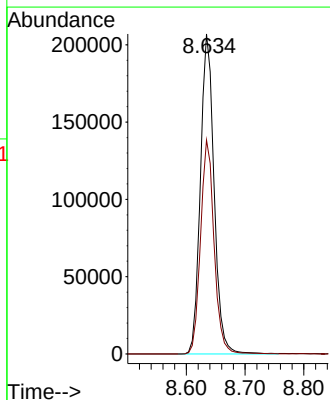
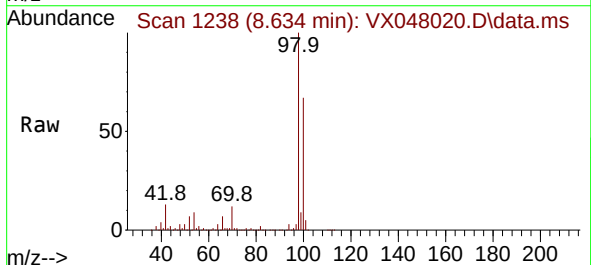
Manual Integrations
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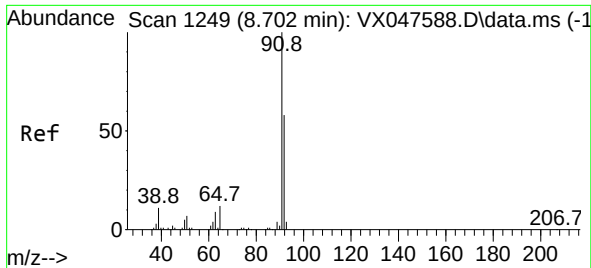
Reviewed By :John Carlone 10/07/2025
Supervised By :Mahesh Dadoda 10/07/2025



#50
Toluene-d8
Concen: 48.630 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

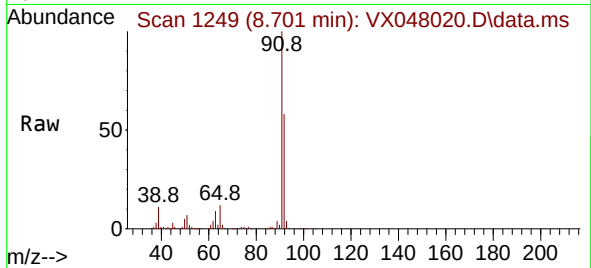
Tgt Ion: 98 Resp: 335535
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4





#52
Toluene
Concen: 35.366 ug/l
RT: 8.701 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

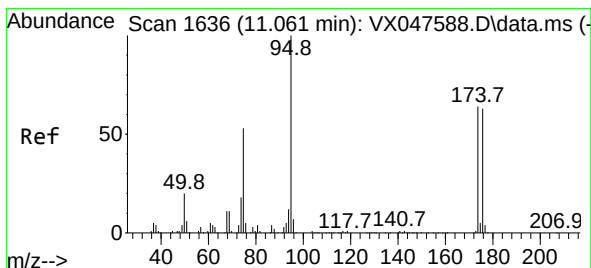
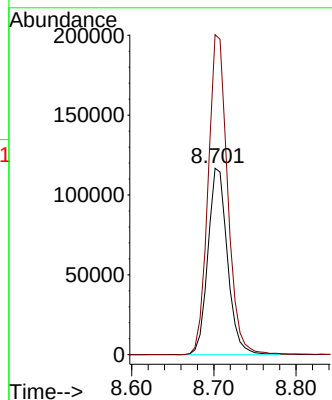
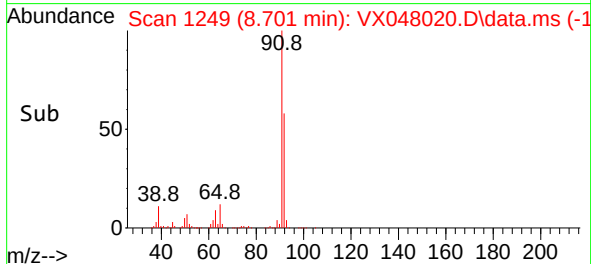
Instrument :
MSVOA_X
ClientSampleId :
MW3



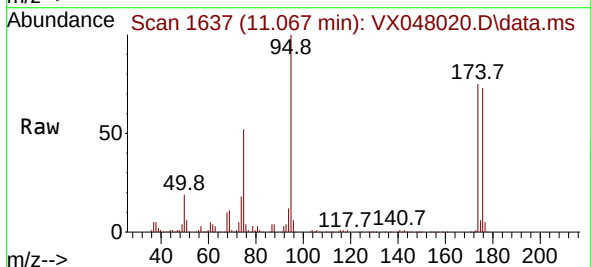
Tgt Ion: 92 Resp: 192829
Ion Ratio Lower Upper
92 100
91 171.3 137.1 205.7

Manual Integrations
APPROVED

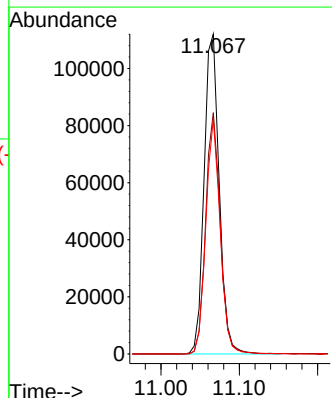
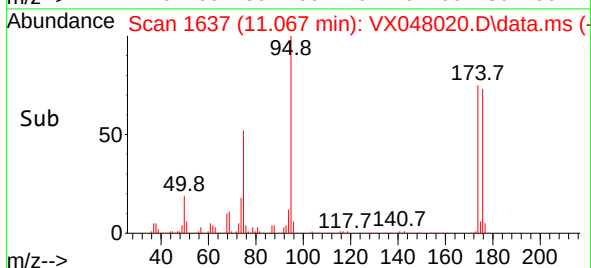
Reviewed By :John Carlone 10/07/2025
Supervised By :Mahesh Dadoda 10/07/2025

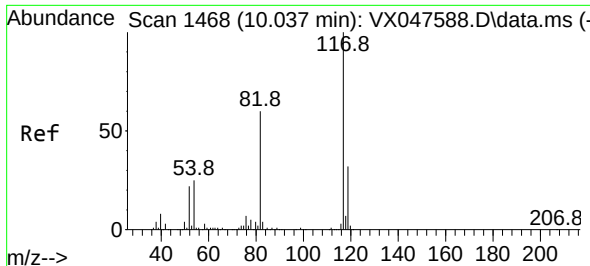


#62
4-Bromofluorobenzene
Concen: 57.308 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46



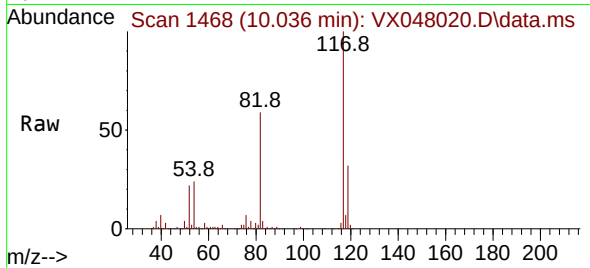
Tgt Ion: 95 Resp: 150068
Ion Ratio Lower Upper
95 100
174 73.0 0.0 141.6
176 69.5 0.0 138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

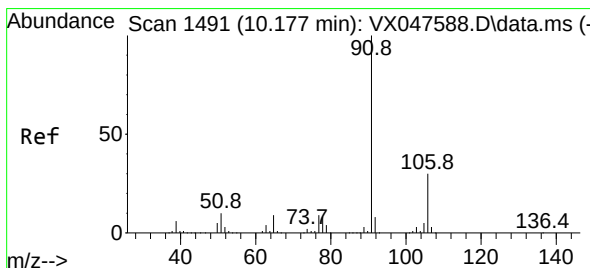
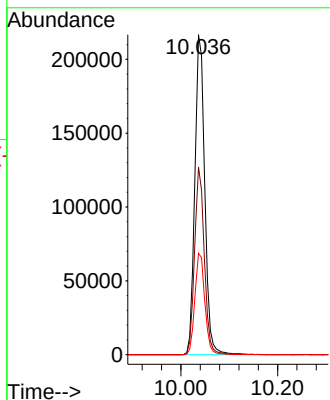
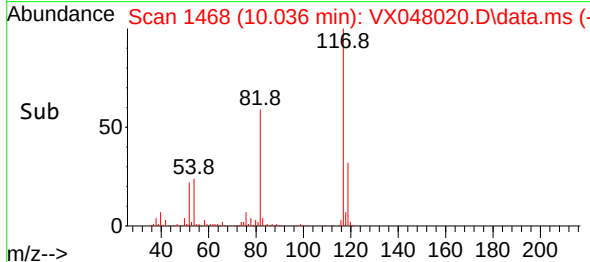
Instrument :
MSVOA_X
ClientSampleId :
MW3



Tgt Ion:117 Resp: 308048
Ion Ratio Lower Upper
117 100
82 58.7 47.8 71.6
119 31.7 25.2 37.8

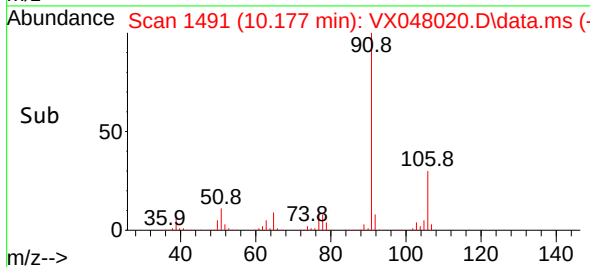
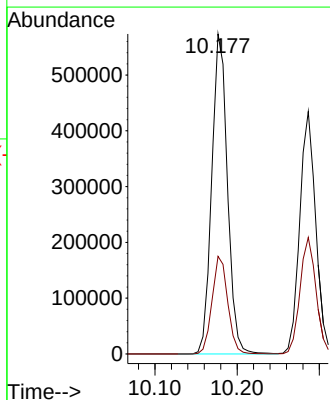
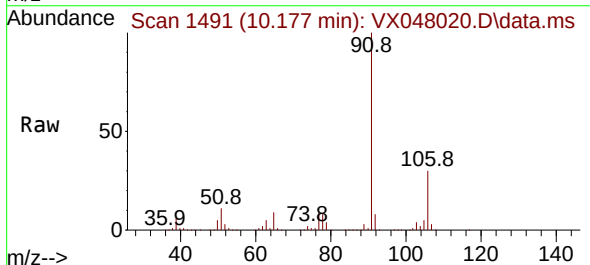
Manual Integrations
APPROVED

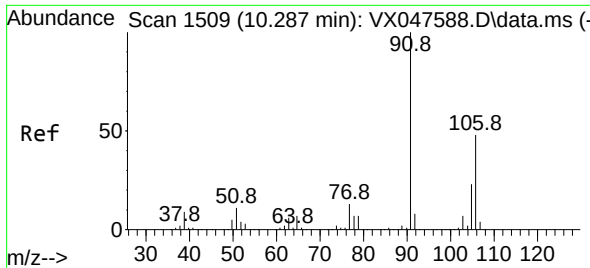
Reviewed By :John Carlone 10/07/2025
Supervised By :Mahesh Dadoda 10/07/2025



#67
Ethyl Benzene
Concen: 63.084 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

Tgt Ion: 91 Resp: 761741
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5





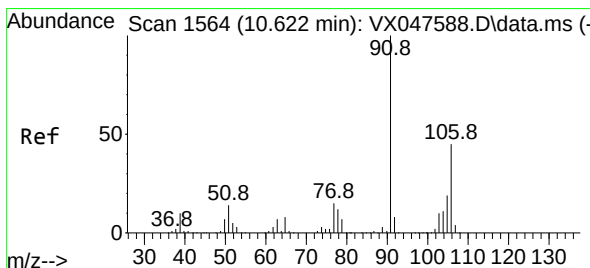
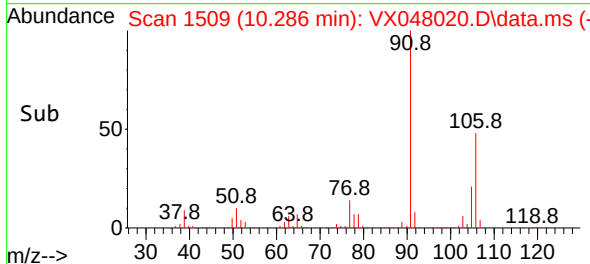
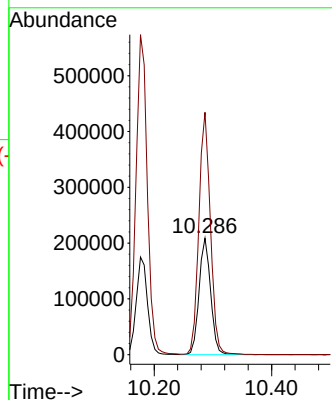
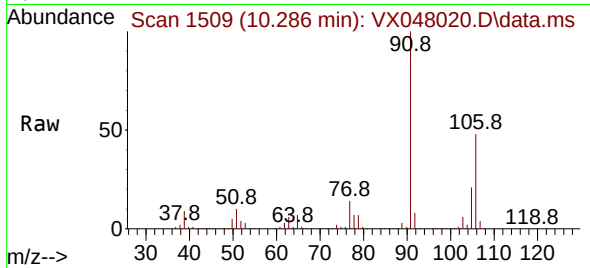
#68
m/p-Xylenes
Concen: 63.341 ug/l
RT: 10.286 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

Instrument :
MSVOA_X
ClientSampleId :
MW3

Tgt Ion:106 Resp: 28468
Ion Ratio Lower Upper
106 100
91 207.6 167.8 251.8

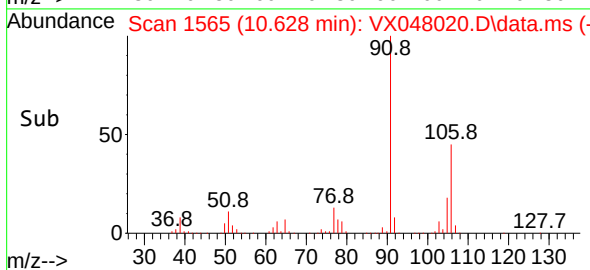
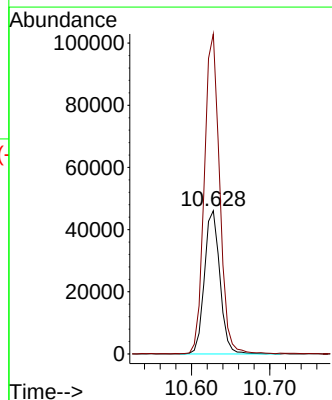
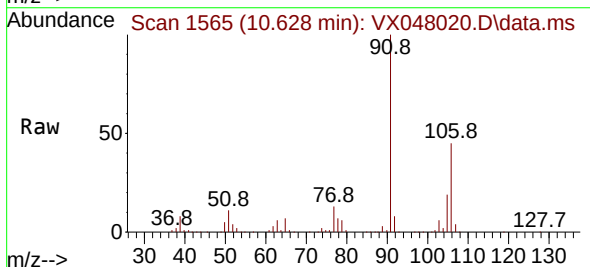
Manual Integrations
APPROVED

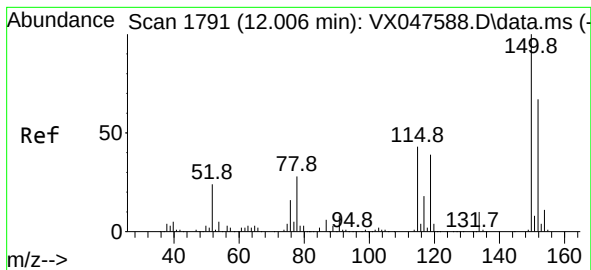
Reviewed By :John Carlone 10/07/2025
Supervised By :Mahesh Dadoda 10/07/2025



#69
o-Xylene
Concen: 14.508 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

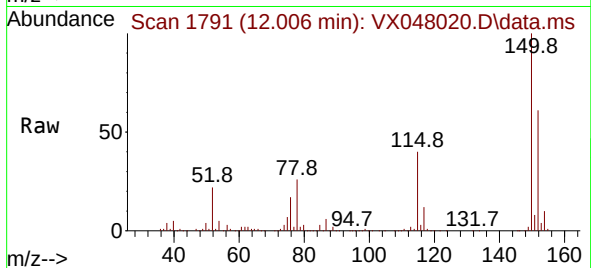
Tgt Ion:106 Resp: 63069
Ion Ratio Lower Upper
106 100
91 221.2 111.1 333.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

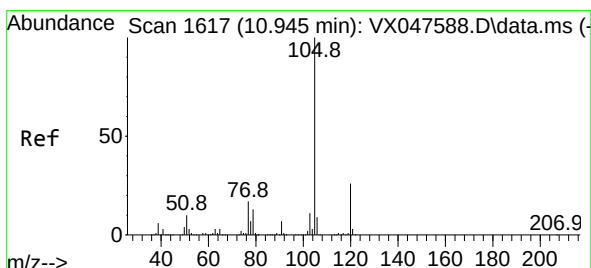
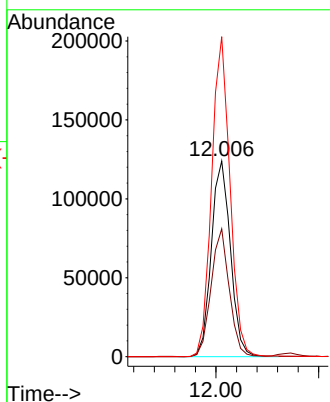
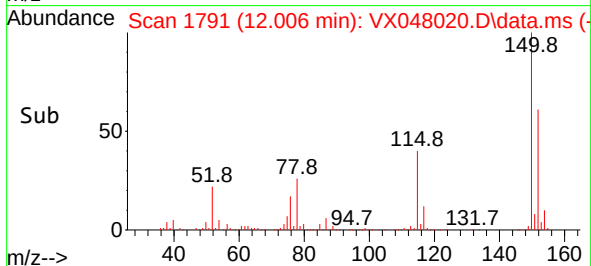
Instrument :
MSVOA_X
ClientSampleId :
MW3



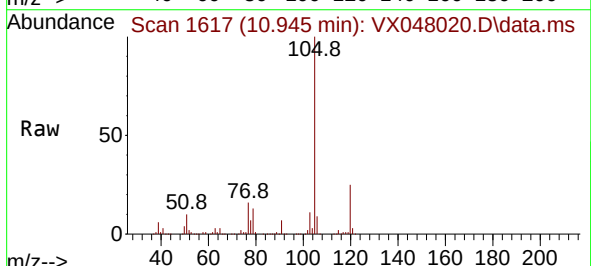
Tgt Ion:152 Resp: 15994
Ion Ratio Lower Upper
152 100
115 62.3 44.9 134.5
150 157.5 0.0 352.0

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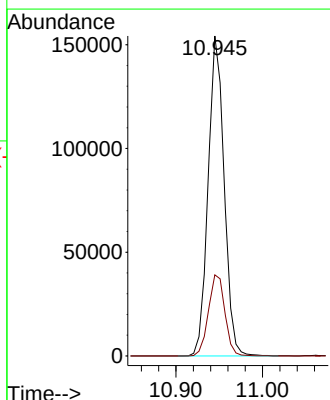
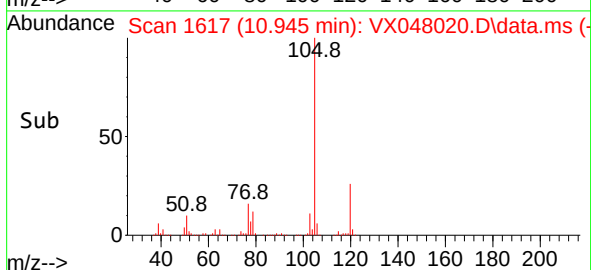
Reviewed By :John Carlone 10/07/2025
Supervised By :Mahesh Dadoda 10/07/2025

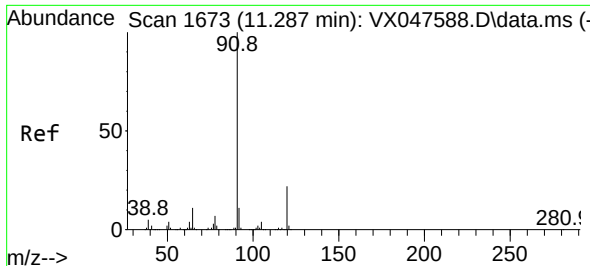


#73
Isopropylbenzene
Concen: 16.286 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46



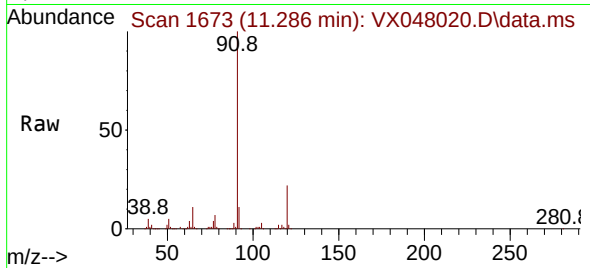
Tgt Ion:105 Resp: 198038
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4





#78
n-propylbenzene
Concen: 17.435 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

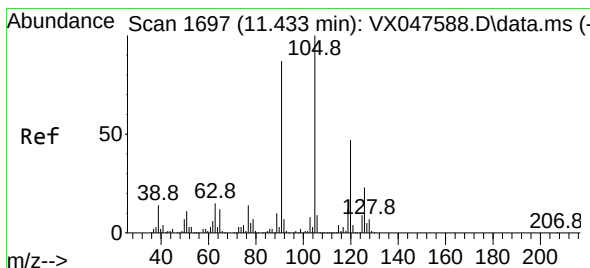
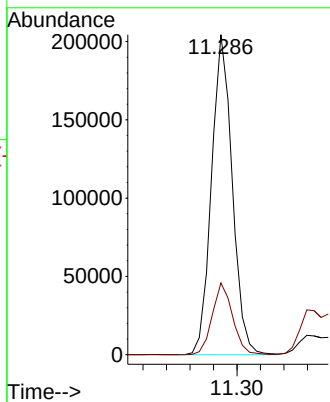
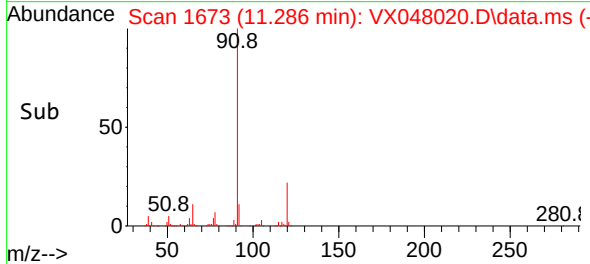
Instrument :
MSVOA_X
ClientSampleId :
MW3



Tgt Ion: 91 Resp: 250618
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1

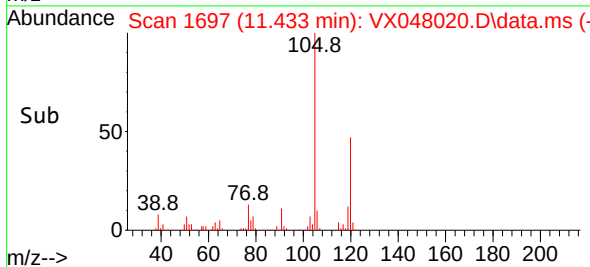
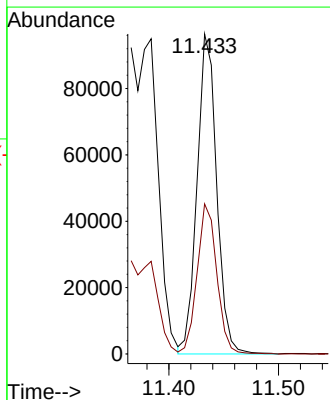
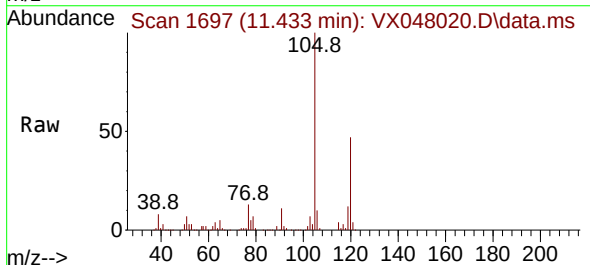
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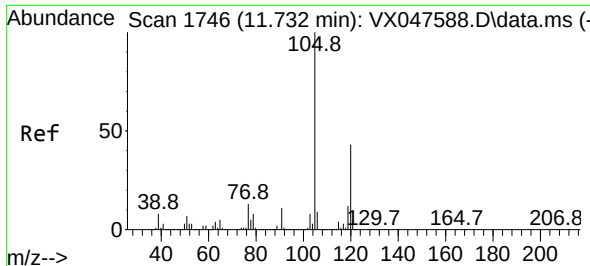
Reviewed By :John Carlone 10/07/2025
Supervised By :Mahesh Dadoda 10/07/2025



#80
1,3,5-Trimethylbenzene
Concen: 12.013 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

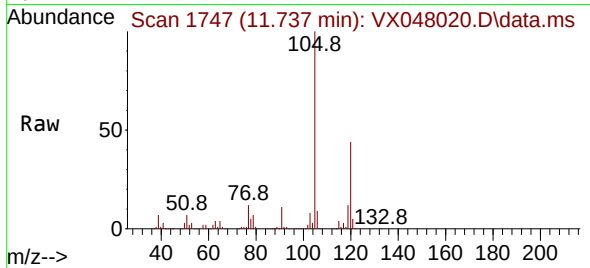
Tgt Ion:105 Resp: 120013
Ion Ratio Lower Upper
105 100
120 47.2 23.6 70.8





#84
1,2,4-Trimethylbenzene
Concen: 24.109 ug/l
RT: 11.737 min Scan# 1746
Delta R.T. 0.006 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

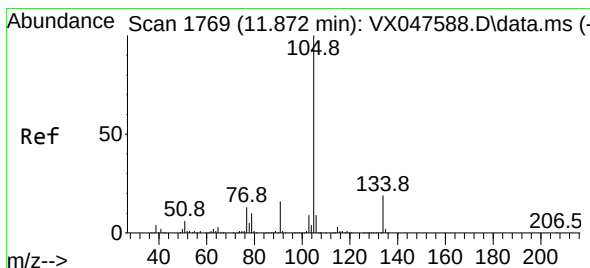
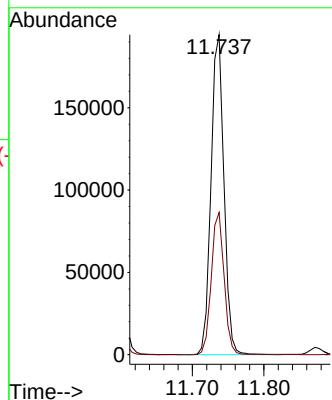
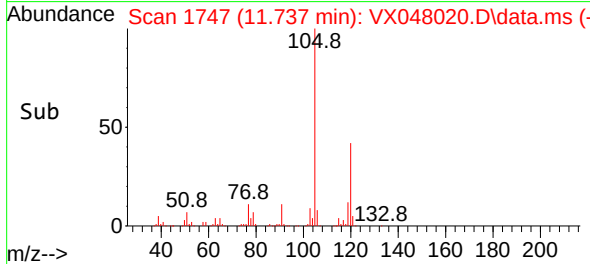
Instrument :
MSVOA_X
ClientSampleId :
MW3



Tgt Ion:105 Resp: 244190
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1

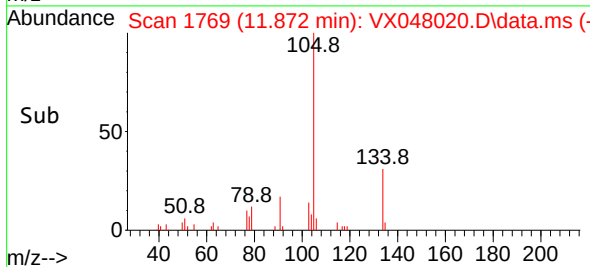
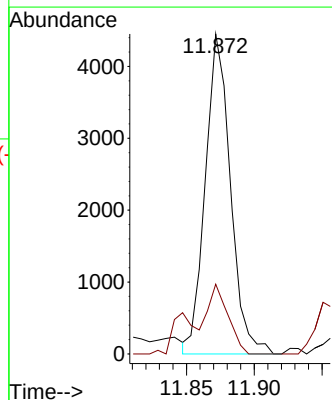
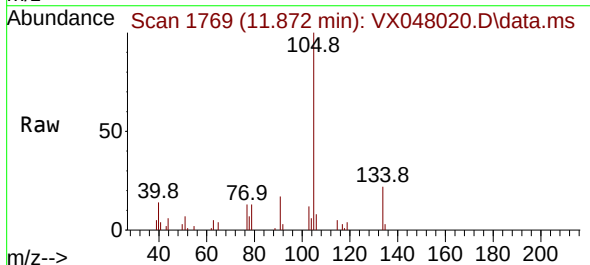
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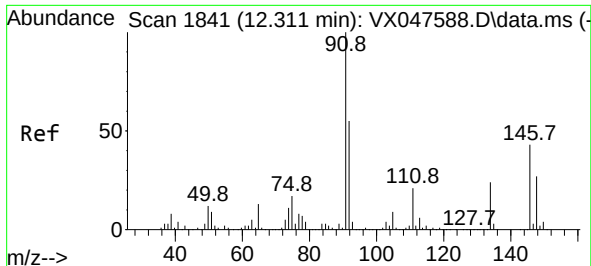
Reviewed By :John Carlone 10/07/2025
Supervised By :Mahesh Dadoda 10/07/2025



#85
sec-Butylbenzene
Concen: 0.473 ug/l m
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

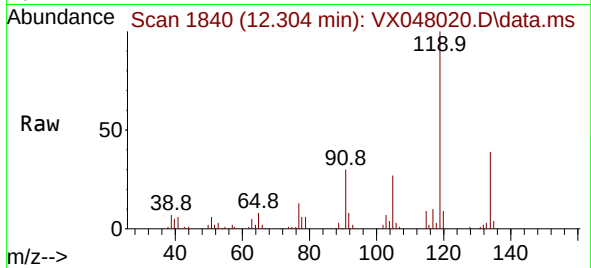
Tgt Ion:105 Resp: 5740
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.5#





#89
n-Butylbenzene
Concen: 0.600 ug/l m
RT: 12.304 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46

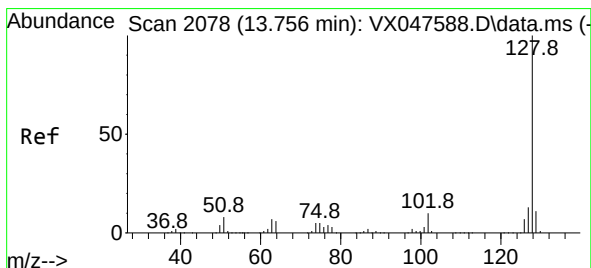
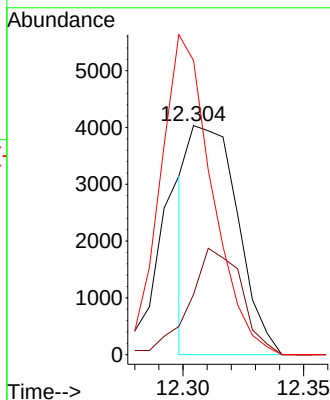
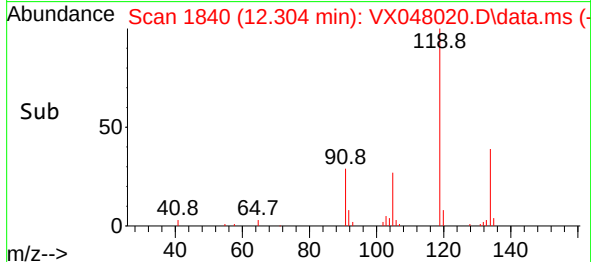
Instrument :
MSVOA_X
ClientSampleId :
MW3



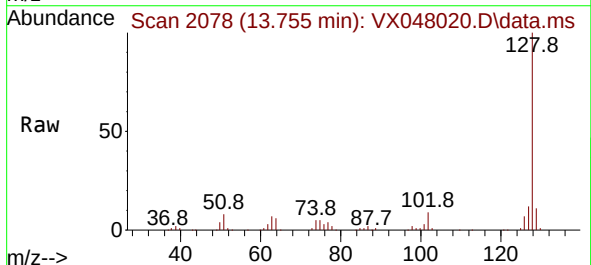
Tgt Ion: 91 Resp: 5714
Ion Ratio Lower Upper
91 100
92 49.6 27.6 82.7
134 147.0 12.6 37.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/07/2025
Supervised By :Mahesh Dadoda 10/07/2025



#95
Naphthalene
Concen: 9.168 ug/l
RT: 13.755 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048020.D
Acq: 06 Oct 2025 13:46



Tgt Ion:128 Resp: 96158
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.2
129 11.0 8.8 13.2

