

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048683.D
 Acq On : 25 Nov 2025 14:23
 Operator : JC/MD
 Sample : Q3716-04 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW7

Manual Integrations
 APPROVED

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

Quant Time: Nov 26 01:01:37 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	5.544	168	193704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	376643	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	384057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	197140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	139775	51.786	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.580%			
35) Dibromofluoromethane	5.373	113	125635	44.072	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.140%			
50) Toluene-d8	8.634	98	421905	47.454	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.900%			
62) 4-Bromofluorobenzene	11.061	95	168152	50.751	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.500%			
Target Compounds					Qvalue	
31) Cyclohexane	5.464	56	59465	16.407	ug/l #	96
39) Methylcyclohexane	7.366	83	53705	12.530	ug/l	98
40) Benzene	6.025	78	764726	64.629	ug/l	97
52) Toluene	8.708	92	2560020	410.947	ug/l	97
67) Ethyl Benzene	10.177	91	1584329	103.501	ug/l	98
68) m/p-Xylenes	10.287	106	2677157	464.372	ug/l	98
69) o-Xylene	10.628	106	1014444	179.849	ug/l	99
73) Isopropylbenzene	10.945	105	58116	4.061	ug/l	100
78) n-propylbenzene	11.286	91	246308	14.639	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	442235	37.910	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	1607768	136.597	ug/l	98
85) sec-Butylbenzene	11.872	105	12683m	0.850	ug/l	
86) p-Isopropyltoluene	11.994	119	6700m	0.534	ug/l	
89) n-Butylbenzene	12.311	91	14860m	1.263	ug/l	

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

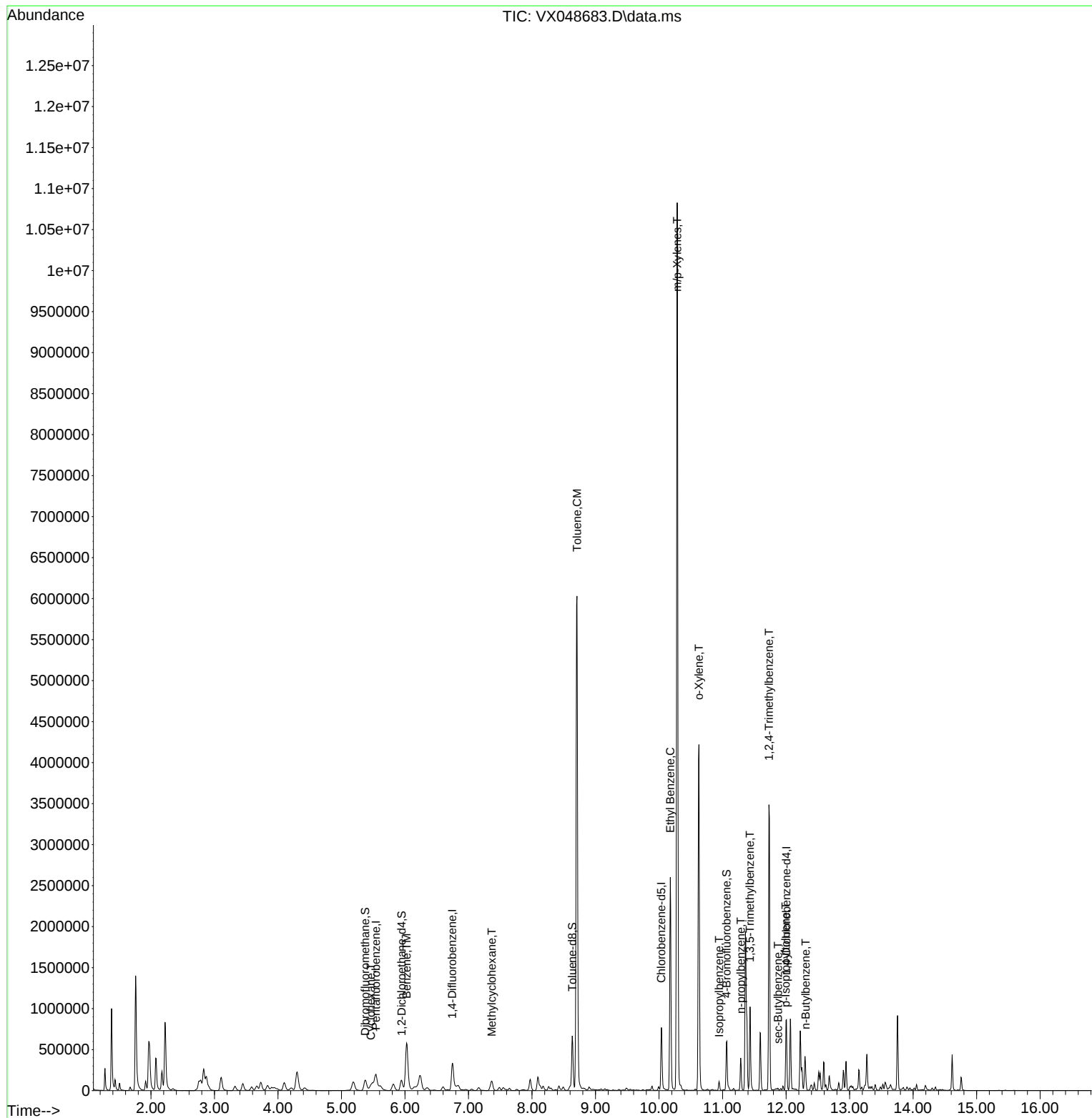
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Data File : VX048683.D
Acq On : 25 Nov 2025 14:23
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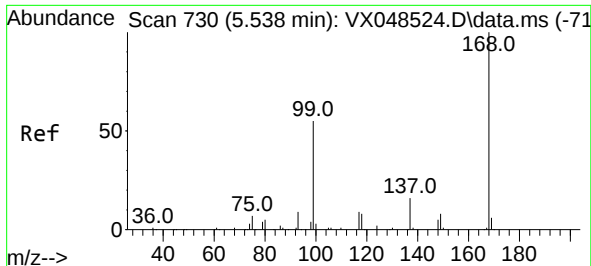
Instrument :
MSVOA_X
ClientSampleId :
MW7

Quant Time: Nov 26 01:01:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
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Response via : Initial Calibration

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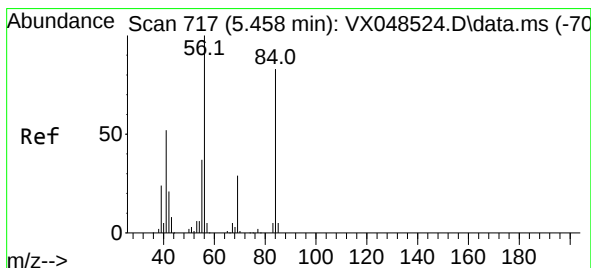
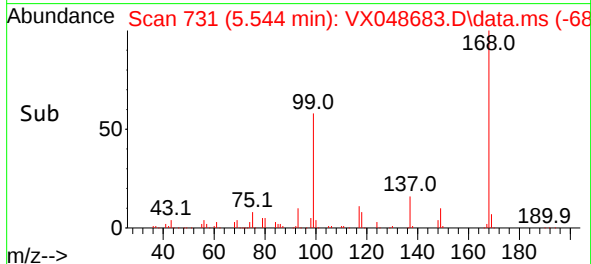
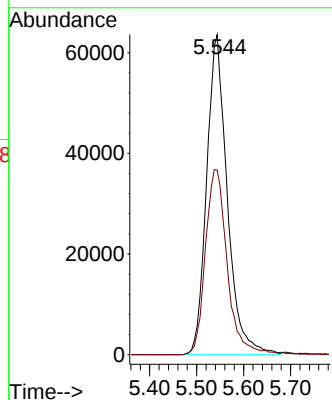
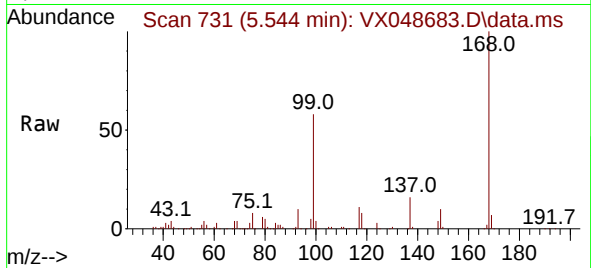
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

Instrument :
MSVOA_X
ClientSampleId :
MW7

Tgt Ion:168 Resp: 193704
Ion Ratio Lower Upper
168 100
99 57.7 45.2 67.8

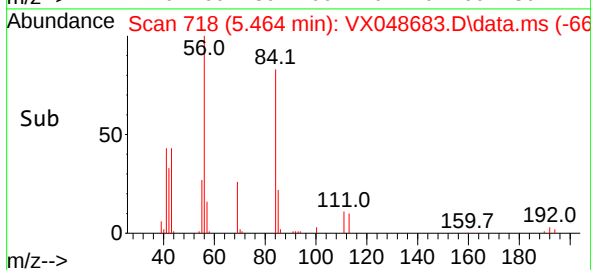
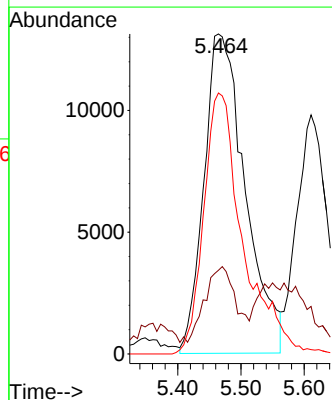
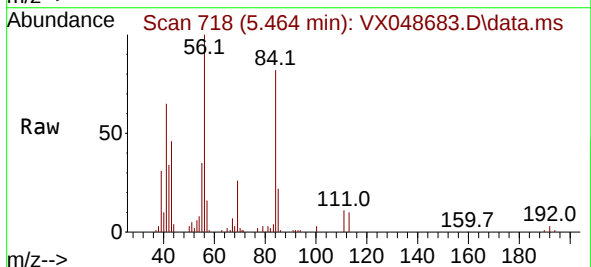
Manual Integrations
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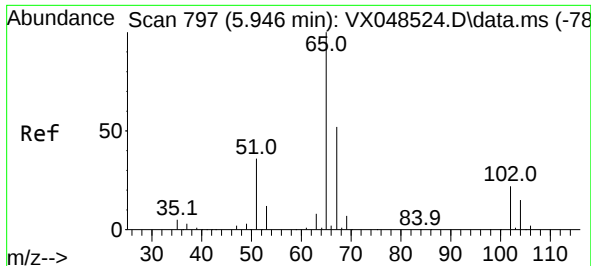
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#31
Cyclohexane
Concen: 16.407 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

Tgt Ion: 56 Resp: 59465
Ion Ratio Lower Upper
56 100
69 23.0 23.4 35.2#
84 81.9 66.3 99.5





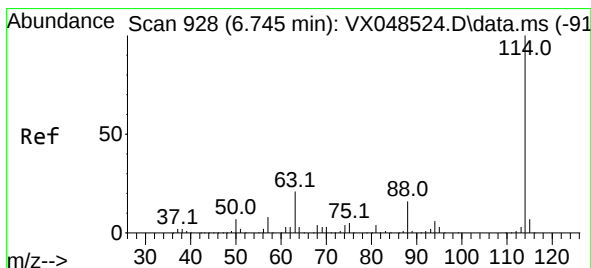
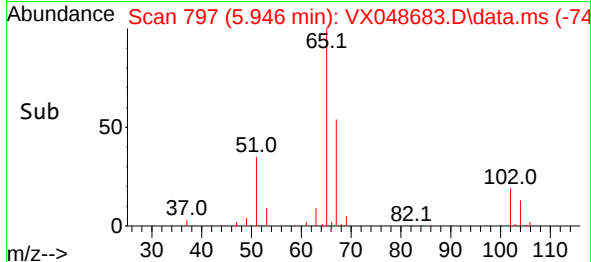
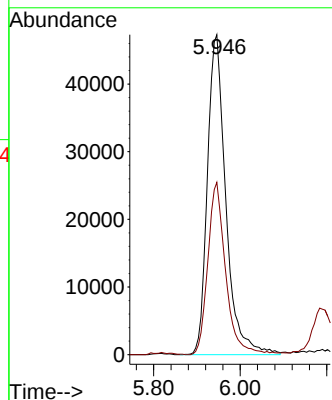
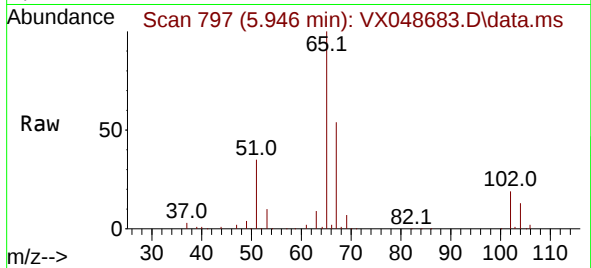
#33
1,2-Dichloroethane-d4
Concen: 51.786 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

Instrument :
MSVOA_X
ClientSampleId :
MW7

Tgt Ion: 65 Resp: 139775
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.2

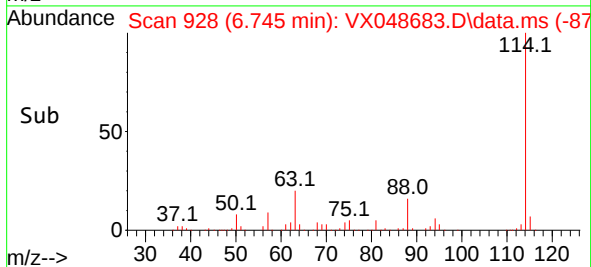
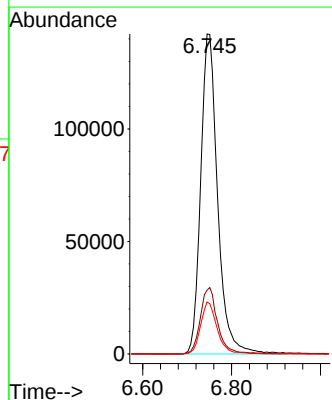
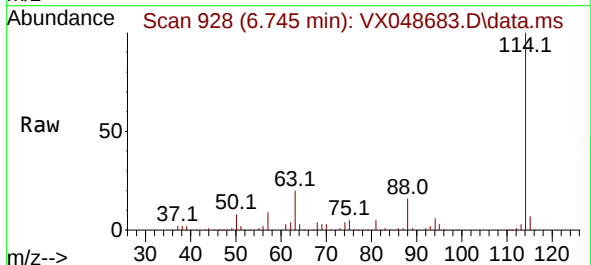
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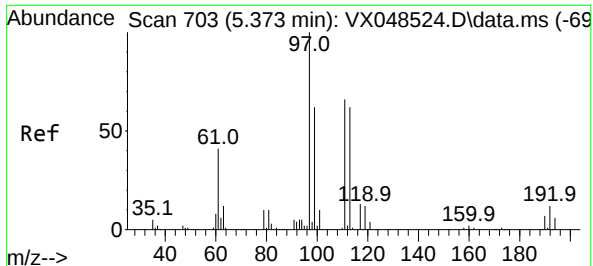
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

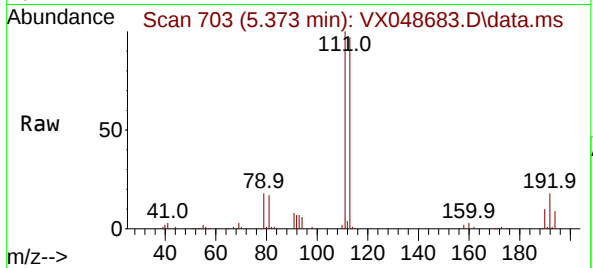
Tgt Ion:114 Resp: 376643
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.2
88 16.3 0.0 32.2





#35
Dibromofluoromethane
Concen: 44.072 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

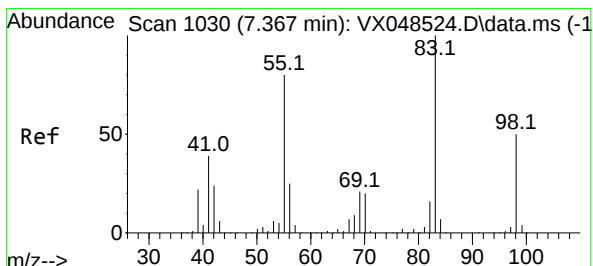
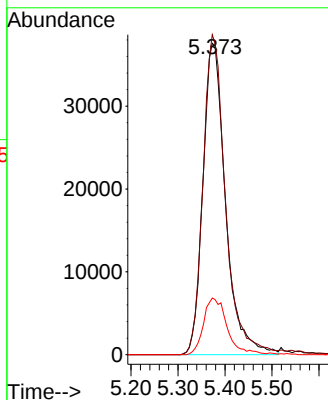
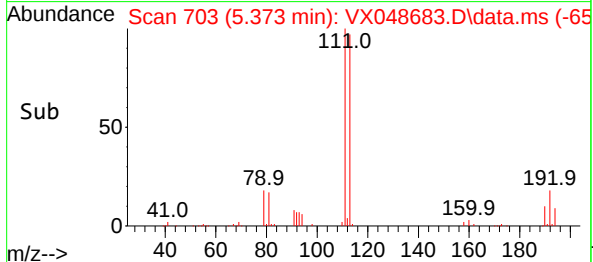
Instrument :
MSVOA_X
ClientSampleId :
MW7



Tgt Ion: 113 Resp: 12563
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 18.9 15.8 23.6

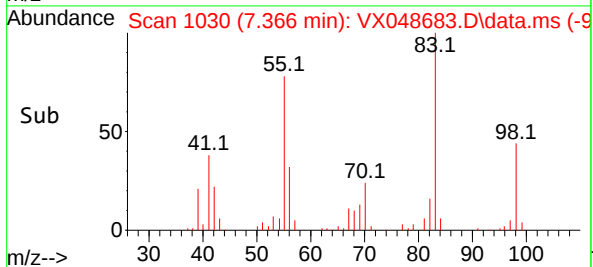
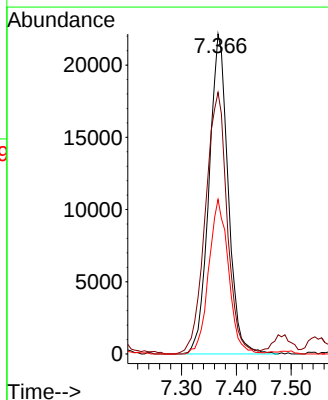
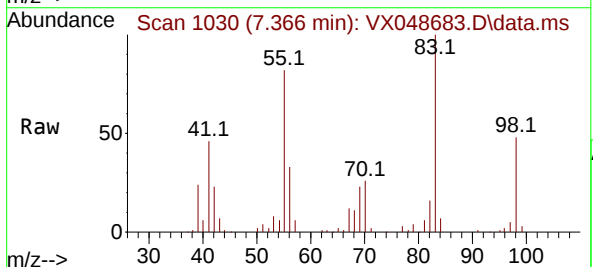
Manual Integrations
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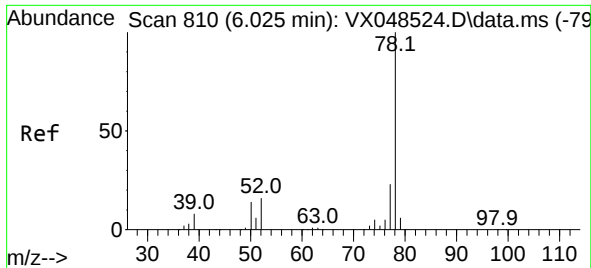
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#39
Methylcyclohexane
Concen: 12.530 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

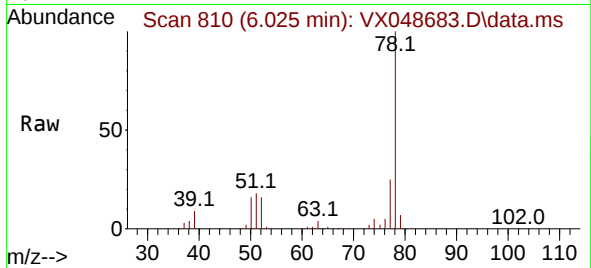
Tgt Ion: 83 Resp: 53705
Ion Ratio Lower Upper
83 100
55 81.5 63.8 95.6
98 48.3 40.3 60.5





#40
Benzene
Concen: 64.629 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

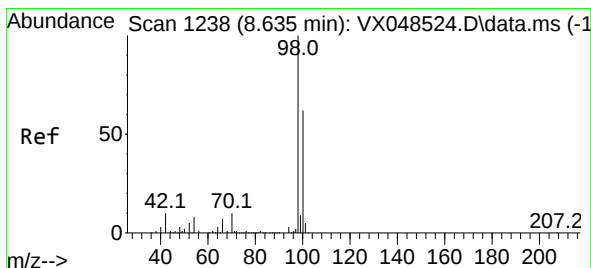
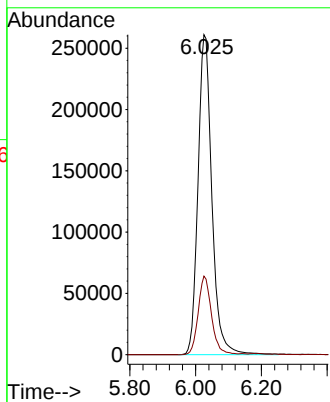
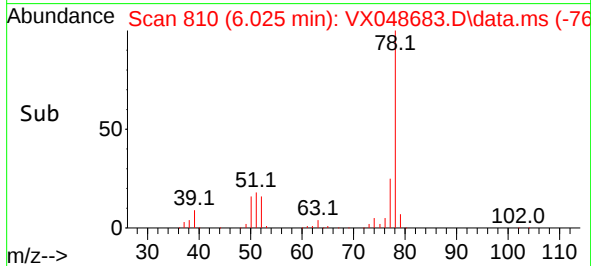
Instrument :
MSVOA_X
ClientSampleId :
MW7



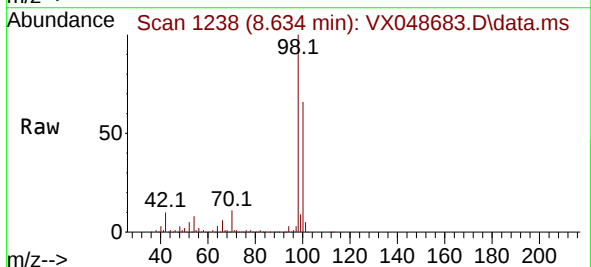
Tgt Ion: 78 Resp: 764720
Ion Ratio Lower Upper
78 100
77 24.6 18.3 27.5

Manual Integrations
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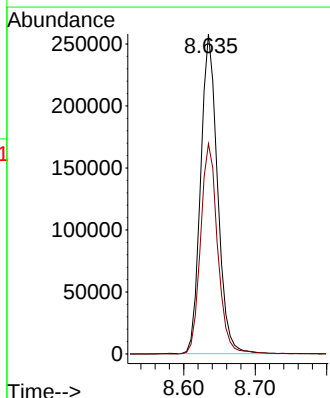
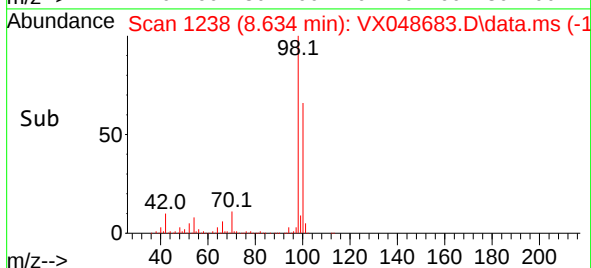
Reviewed By :John Carlone 11/26/2025
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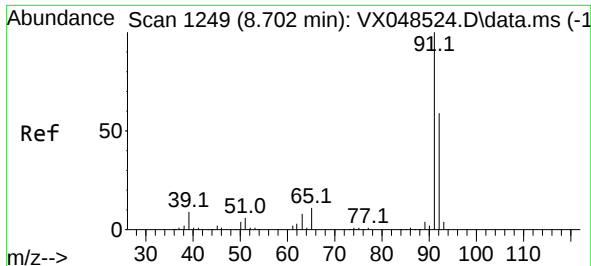


#50
Toluene-d8
Concen: 47.454 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23



Tgt Ion: 98 Resp: 421905
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4





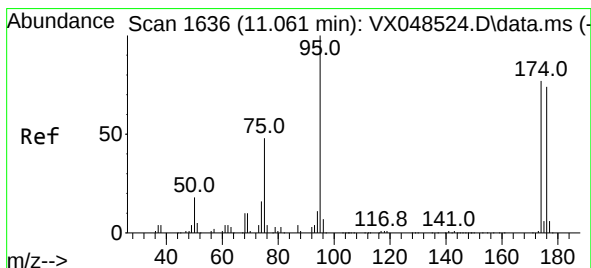
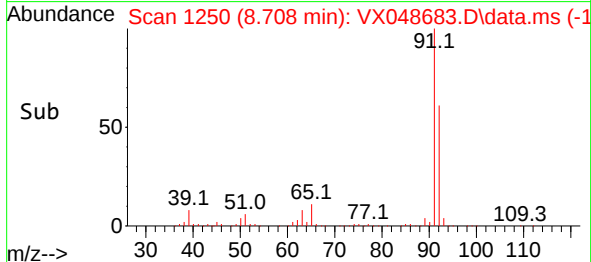
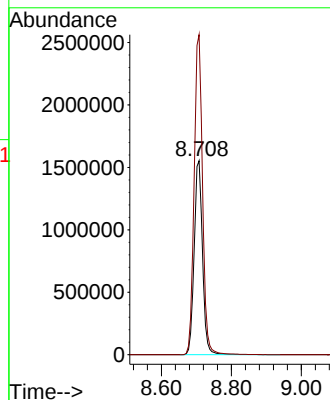
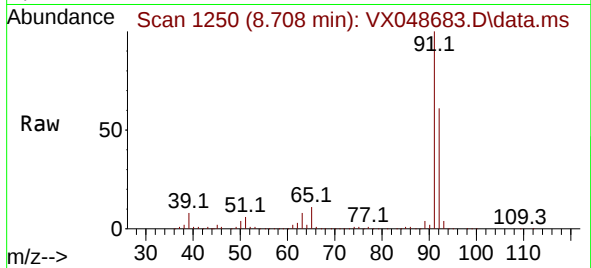
#52
Toluene
Concen: 410.947 ug/l
RT: 8.708 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

Instrument :
MSVOA_X
ClientSampleId :
MW7

Tgt Ion: 92 Resp: 2560020
Ion Ratio Lower Upper
92 100
91 167.0 137.0 205.6

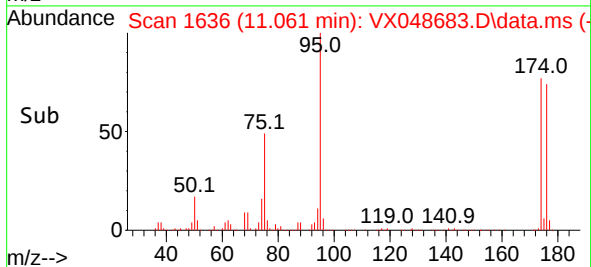
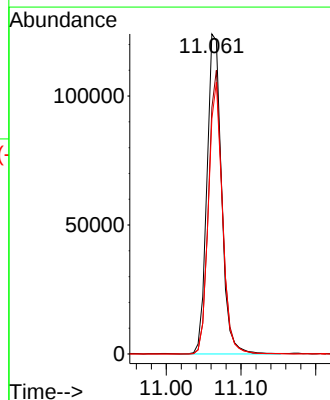
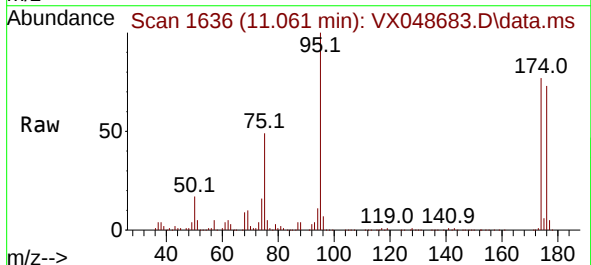
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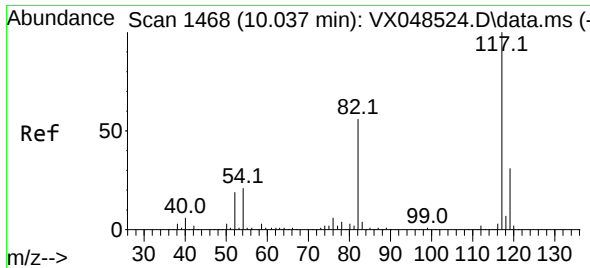
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#62
4-Bromofluorobenzene
Concen: 50.751 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

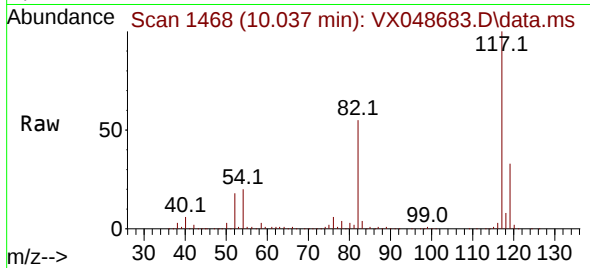
Tgt Ion: 95 Resp: 168152
Ion Ratio Lower Upper
95 100
174 84.0 0.0 161.8
176 81.3 0.0 153.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

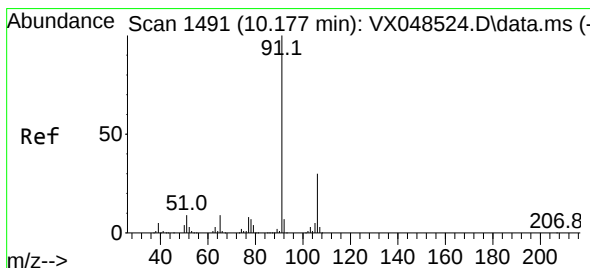
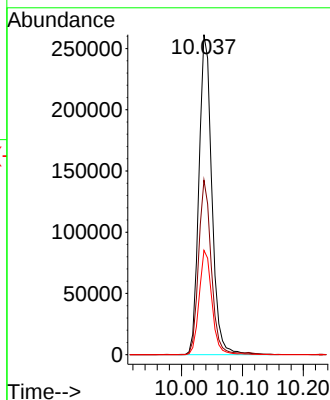
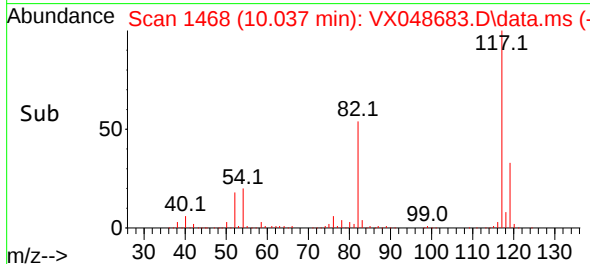
Instrument :
MSVOA_X
ClientSampleId :
MW7



Tgt Ion:117 Resp: 38405
Ion Ratio Lower Upper
117 100
82 54.5 44.4 66.6
119 32.6 25.1 37.7

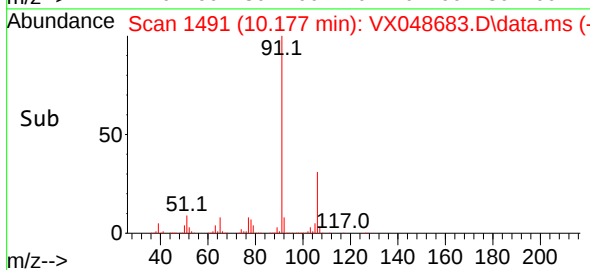
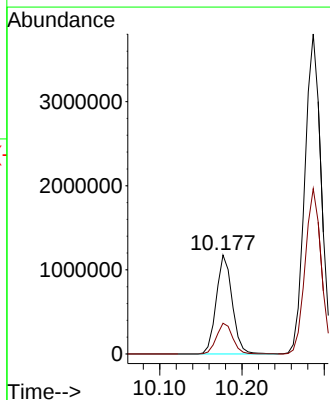
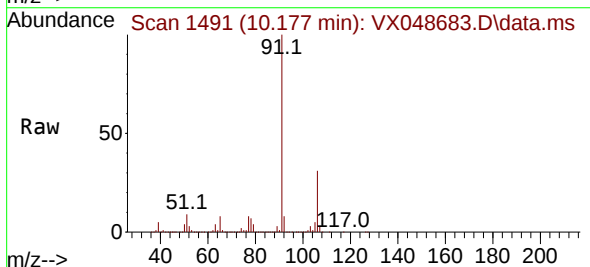
Manual Integrations
APPROVED

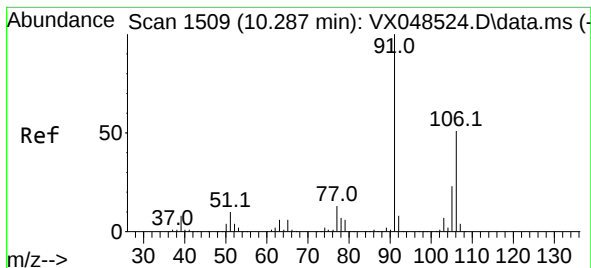
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#67
Ethyl Benzene
Concen: 103.501 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

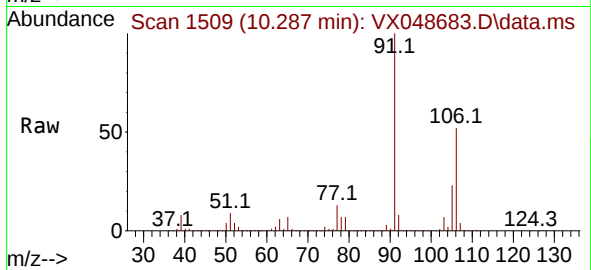
Tgt Ion: 91 Resp: 1584329
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1





#68
m/p-Xylenes
Concen: 464.372 ug/l
RT: 10.287 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

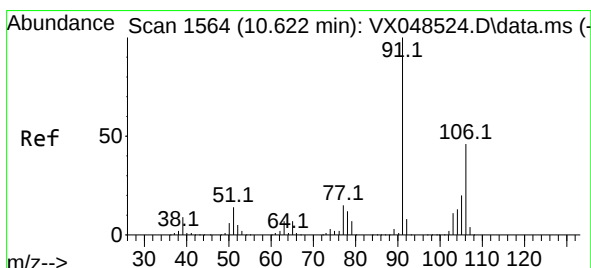
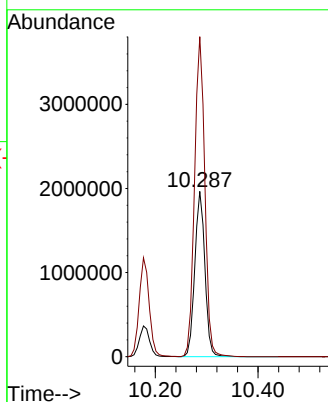
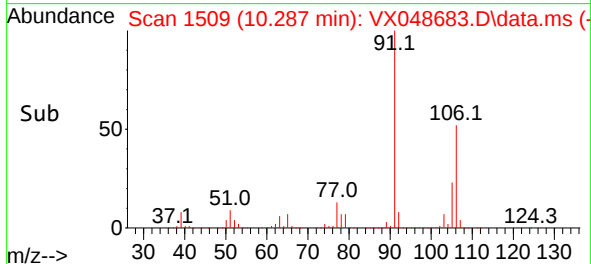
Instrument :
MSVOA_X
ClientSampleId :
MW7



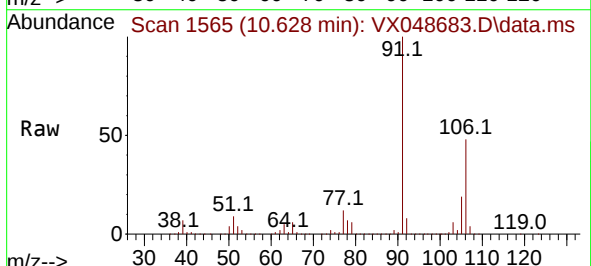
Tgt Ion:106 Resp: 267715
Ion Ratio Lower Upper
106 100
91 196.7 159.6 239.4

Manual Integrations
APPROVED

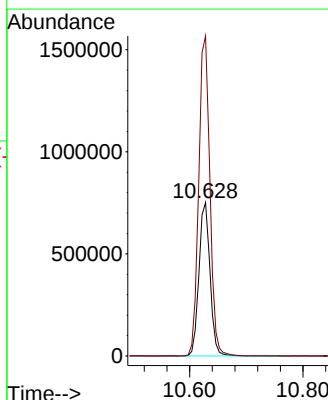
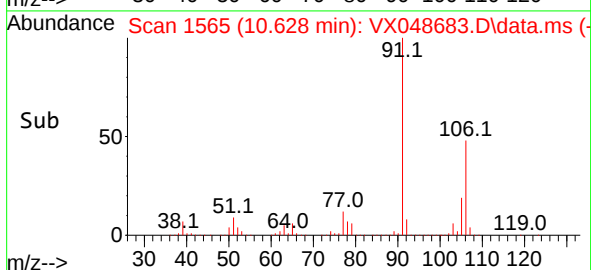
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

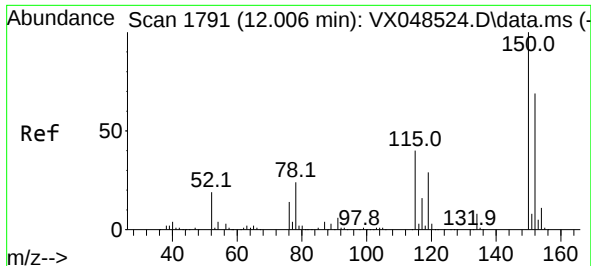


#69
o-Xylene
Concen: 179.849 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23



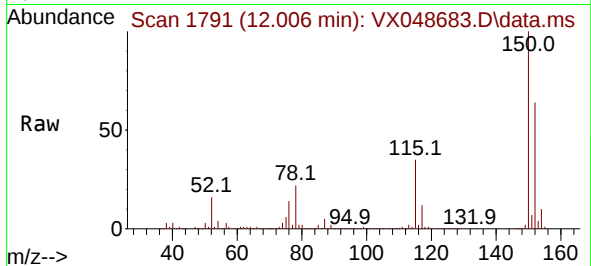
Tgt Ion:106 Resp: 1014444
Ion Ratio Lower Upper
106 100
91 210.9 106.4 319.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

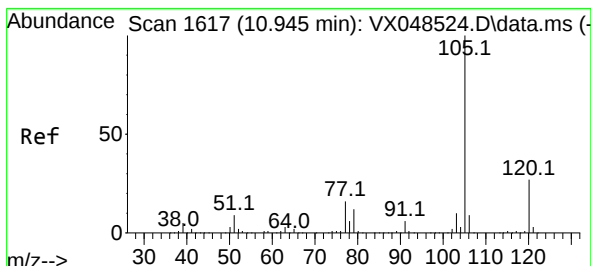
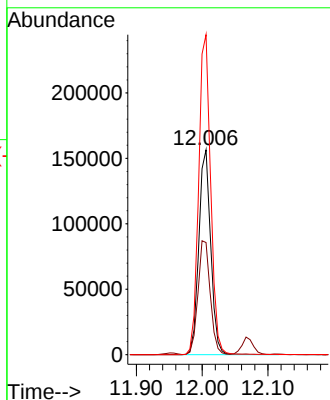
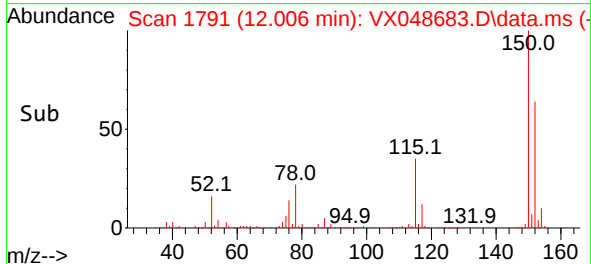
Instrument :
MSVOA_X
ClientSampleId :
MW7



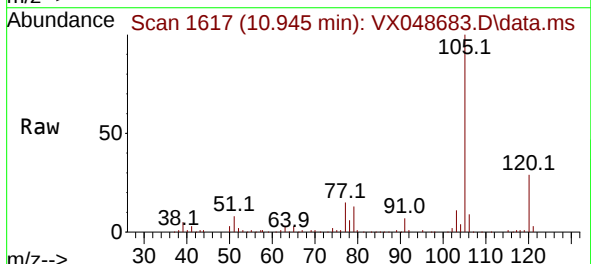
Tgt Ion:152 Resp: 197140
Ion Ratio Lower Upper
152 100
115 57.0 39.2 117.6
150 157.2 0.0 347.0

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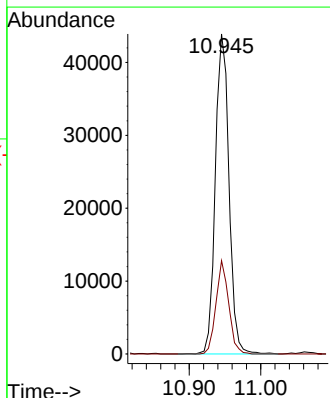
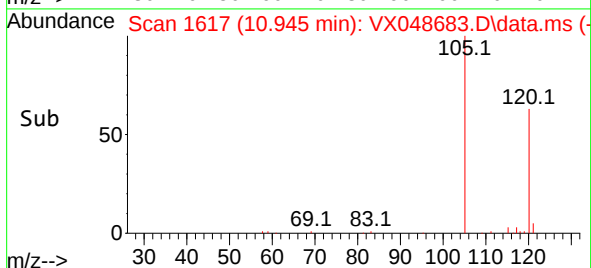
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

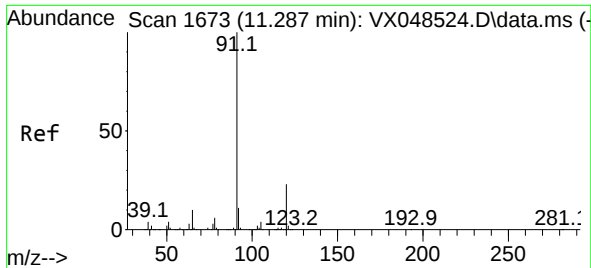


#73
Isopropylbenzene
Concen: 4.061 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23



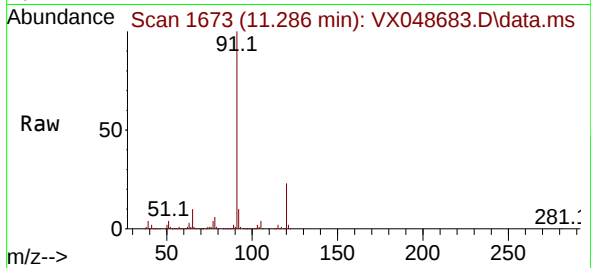
Tgt Ion:105 Resp: 58116
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.7





#78
n-propylbenzene
Concen: 14.639 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

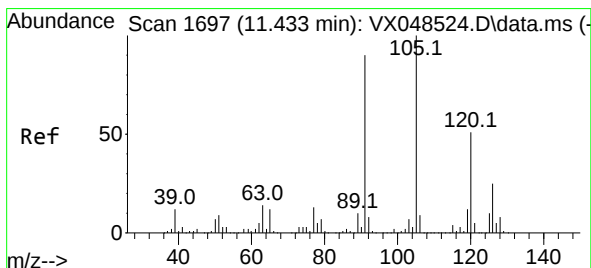
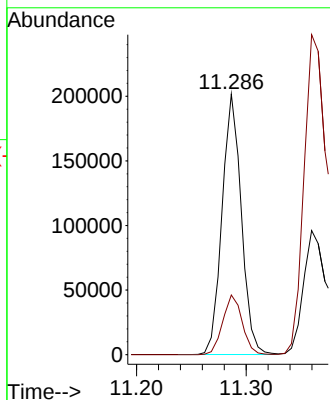
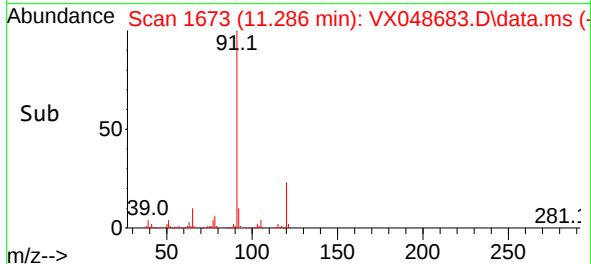
Instrument :
MSVOA_X
ClientSampleId :
MW7



Tgt Ion: 91 Resp: 246308
Ion Ratio Lower Upper
91 100
120 23.2 11.6 34.8

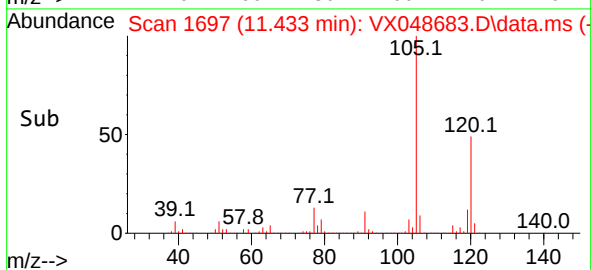
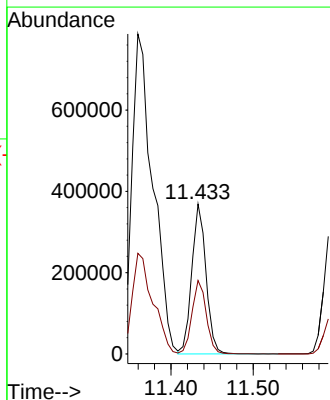
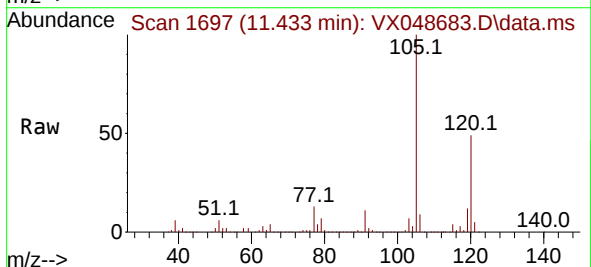
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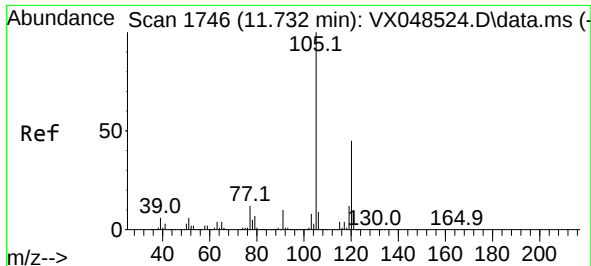
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#80
1,3,5-Trimethylbenzene
Concen: 37.910 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

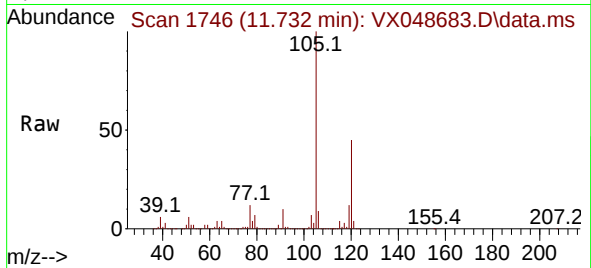
Tgt Ion:105 Resp: 442235
Ion Ratio Lower Upper
105 100
120 49.2 25.1 75.2





#84
1,2,4-Trimethylbenzene
Concen: 136.597 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

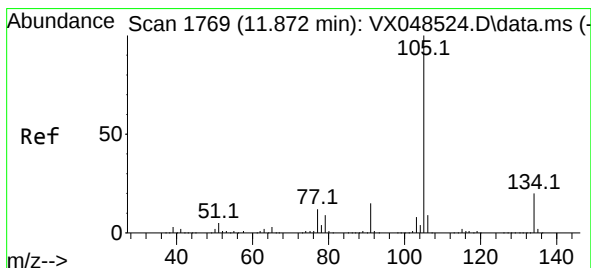
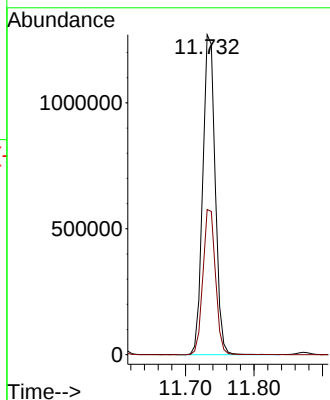
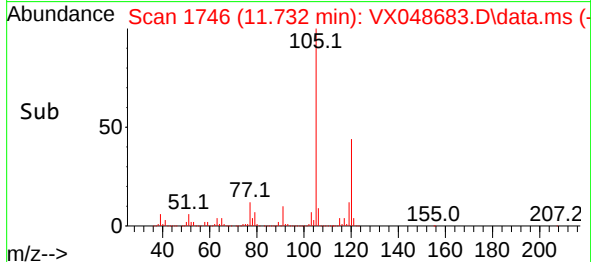
Instrument :
MSVOA_X
ClientSampleId :
MW7



Tgt Ion:105 Resp: 1607768
Ion Ratio Lower Upper
105 100
120 45.9 22.4 67.0

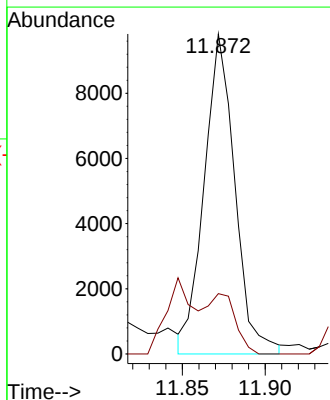
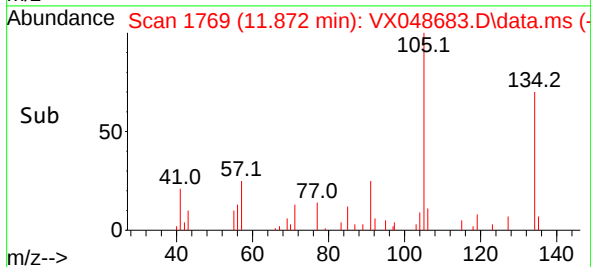
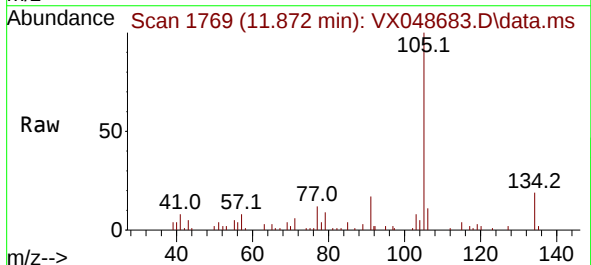
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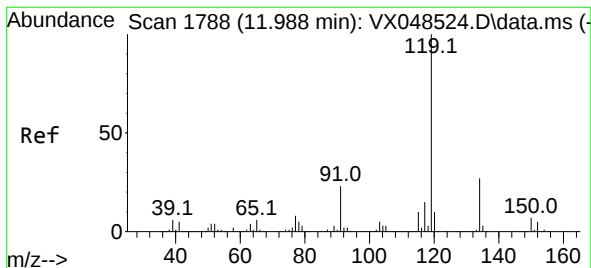
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#85
sec-Butylbenzene
Concen: 0.850 ug/l m
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX048683.D
Acq: 25 Nov 2025 14:23

Tgt Ion:105 Resp: 12683
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#86

p-Isopropyltoluene

Concen: 0.534 ug/l m

RT: 11.994 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX048683.D

Acq: 25 Nov 2025 14:23

Instrument :

MSVOA_X

ClientSampleId :

MW7

Tgt Ion:119 Resp: 6700

Ion Ratio Lower Upper

119 100

134 93.7 13.2 39.5

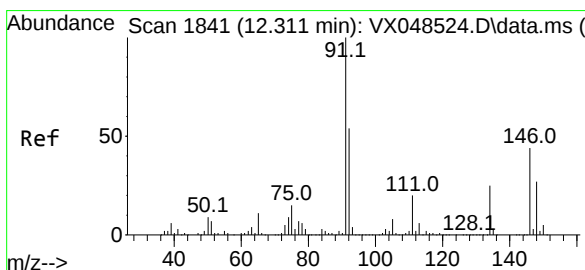
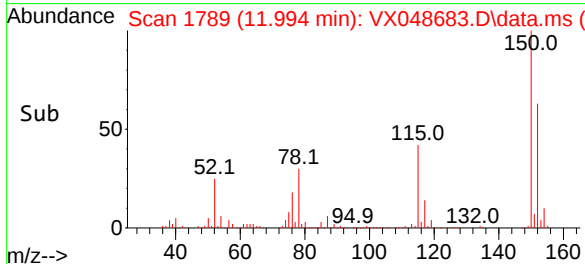
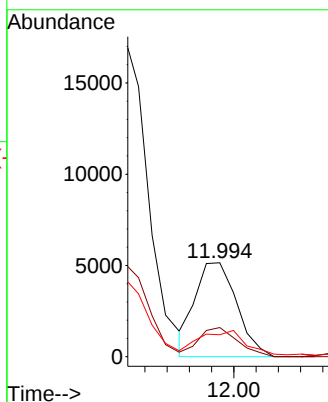
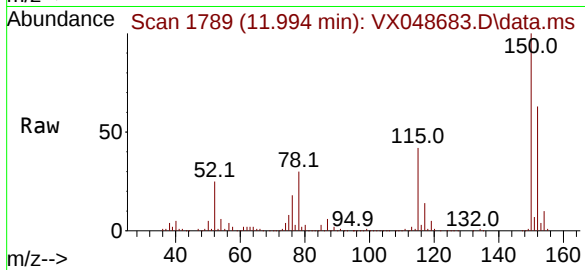
91 78.1 11.3 33.9

Manual Integrations

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Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#89

n-Butylbenzene

Concen: 1.263 ug/l m

RT: 12.311 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VX048683.D

Acq: 25 Nov 2025 14:23

Tgt Ion: 91 Resp: 14860

Ion Ratio Lower Upper

91 100

92 120.4 27.2 81.5#

134 437.0 13.0 39.0#

