

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047450.D
 Acq On : 20 Aug 2025 17:57
 Operator : JC/MD
 Sample : Q2878-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-081325

Quant Time: Aug 21 01:37:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/21/2025
 Supervised By : Mahesh Dadoda 08/22/2025

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	205051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	415601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	411051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	206897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	155820	54.297	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.600%			
35) Dibromofluoromethane	5.403	113	130125	48.243	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.480%			
50) Toluene-d8	8.653	98	472687	49.030	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.060%			
62) 4-Bromofluorobenzene	11.079	95	198622	55.829	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.660%			
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	3616	1.538	ug/l	99
4) Vinyl Chloride	1.392	62	162715	55.130	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	12048	4.757	ug/l	94
12) 1,1-Dichloroethene	2.343	96	22164	8.585	ug/l	96
16) Acetone	2.392	43	40491	37.537	ug/l	97
17) Carbon Disulfide	2.532	76	30720	3.943	ug/l	97
20) Methylene Chloride	2.806	84	1981	0.694	ug/l	89
21) trans-1,2-Dichloroethene	3.111	96	20295	7.406	ug/l	95
24) 1,1-Dichloroethane	3.629	63	40088	8.001	ug/l	95
27) cis-1,2-Dichloroethene	4.507	96	2864874	897.640	ug/l	89
29) Tetrahydrofuran	5.038	42	23542	25.782	ug/l	94
30) Chloroform	5.123	83	1382m	0.270	ug/l	
40) Benzene	6.056	78	20126	1.579	ug/l	98
42) 1,2-Dichloroethane	6.104	62	7414	1.642	ug/l	91
44) Trichloroethene	7.135	130	529655	162.306	ug/l	97
52) Toluene	8.726	92	8994	1.142	ug/l	93
64) Tetrachloroethene	9.281	164	2827	0.951	ug/l	96
67) Ethyl Benzene	10.195	91	11095	0.660	ug/l	97
68) m/p-Xylenes	10.305	106	4057	0.647	ug/l	95
69) o-Xylene	10.646	106	2042	0.338	ug/l	94
70) Styrene	10.665	104	3204	0.314	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	4379	0.329	ug/l	94
95) Naphthalene	13.774	128	213891	15.573	ug/l	99

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

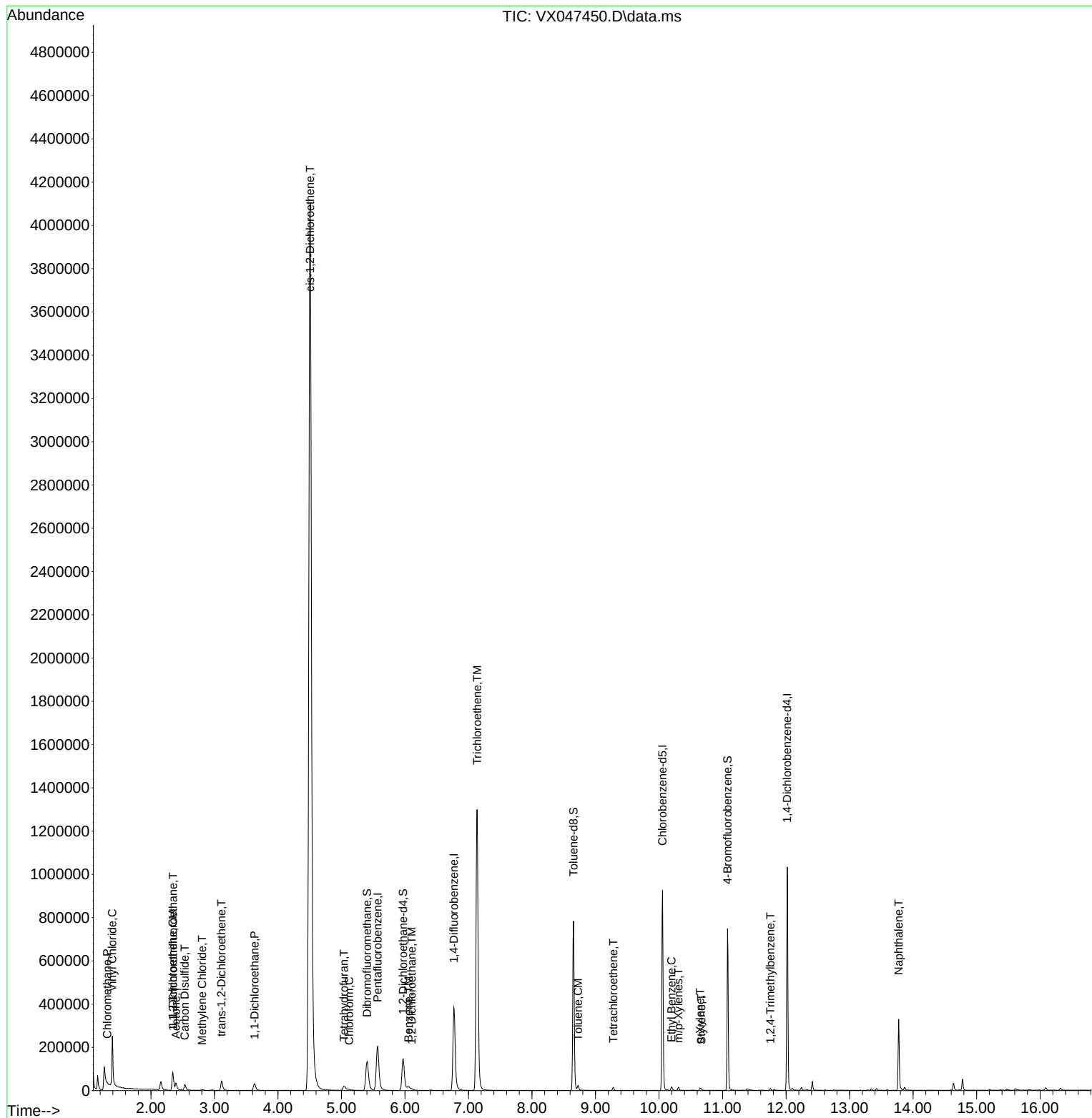
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047450.D
Acq On : 20 Aug 2025 17:57
Operator : JC/MD
Sample : Q2878-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

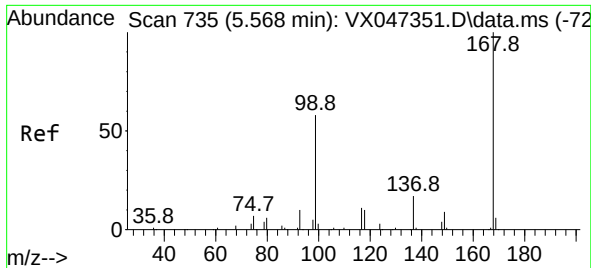
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

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Supervised By :Mahesh Dadoda 08/22/2025

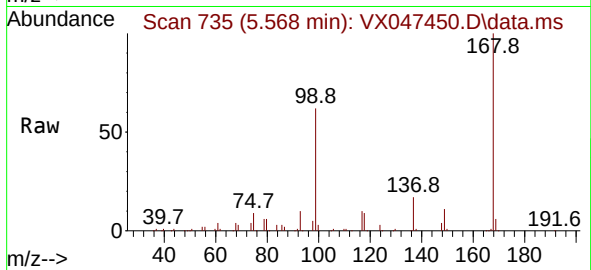
Quant Time: Aug 21 01:37:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

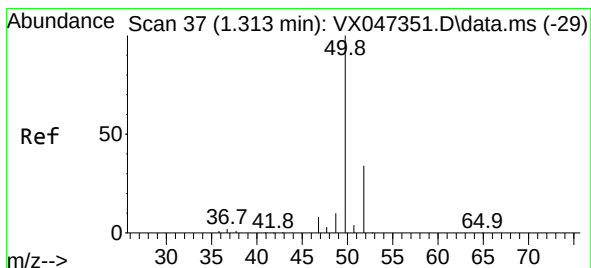
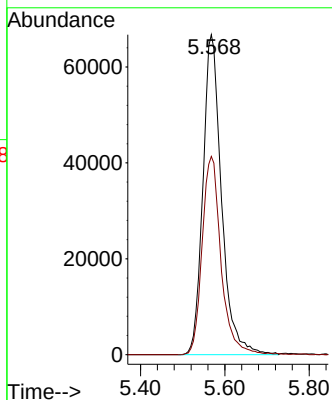
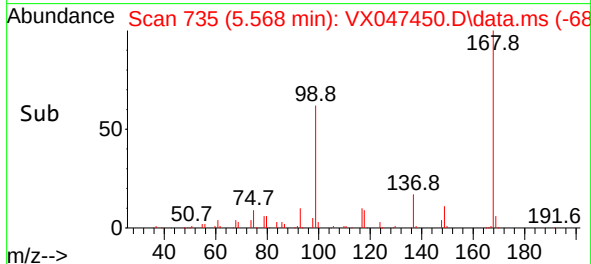
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



Tgt Ion:168 Resp: 20505
Ion Ratio Lower Upper
168 100
99 61.9 47.9 71.9

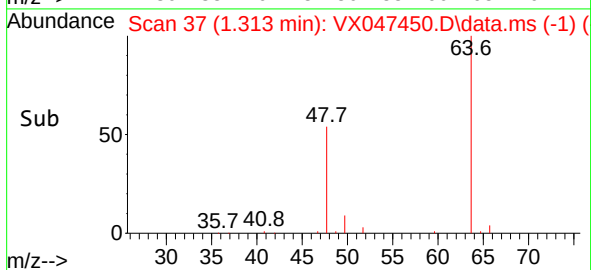
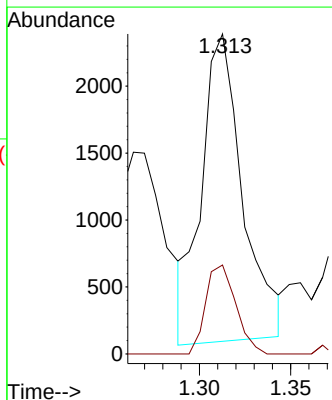
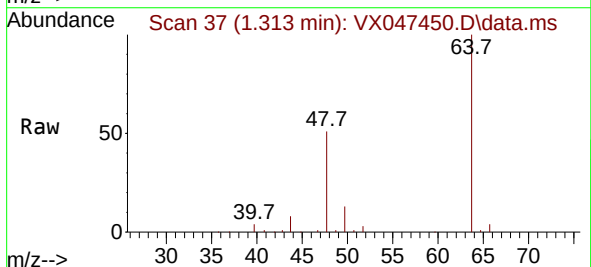
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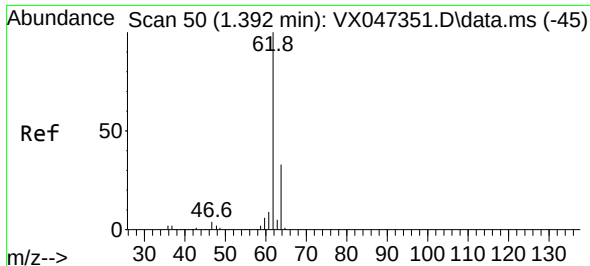
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#3
Chloromethane
Concen: 1.538 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

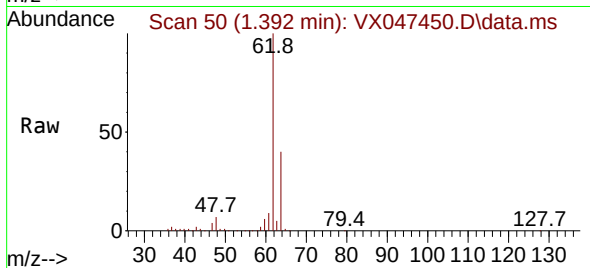
Tgt Ion: 50 Resp: 3616
Ion Ratio Lower Upper
50 100
52 34.0 27.0 40.4





#4
 Vinyl Chloride
 Concen: 55.130 ug/l
 RT: 1.392 min Scan# 50
 Delta R.T. 0.000 min
 Lab File: VX047450.D
 Acq: 20 Aug 2025 17:57

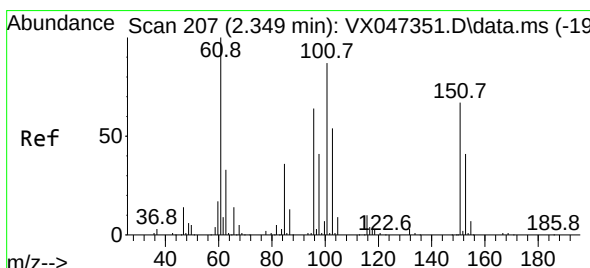
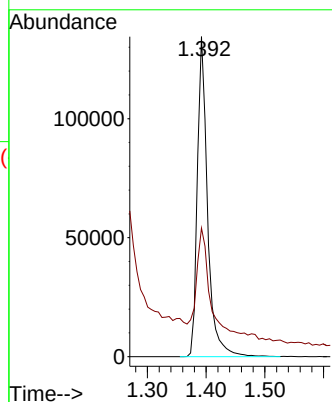
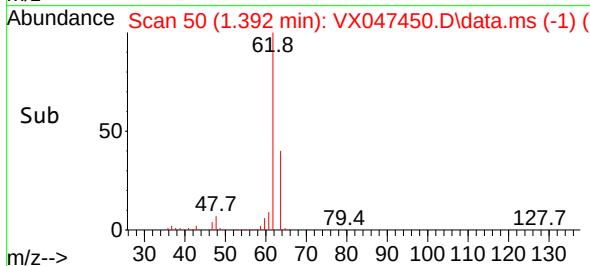
Instrument :
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 ClientSampleId :
 MW-18B-57.5-081325



Tgt Ion: 62 Resp: 162715
 Ion Ratio Lower Upper
 62 100
 64 35.0 26.5 39.7

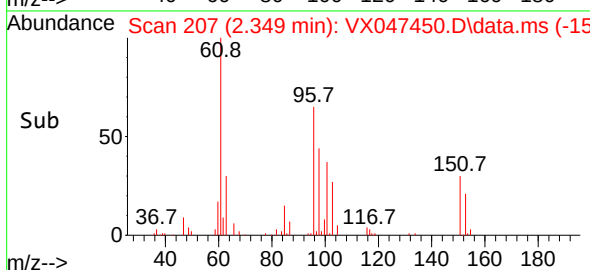
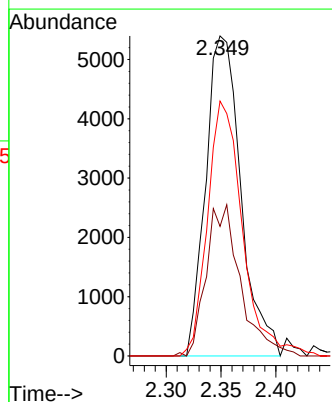
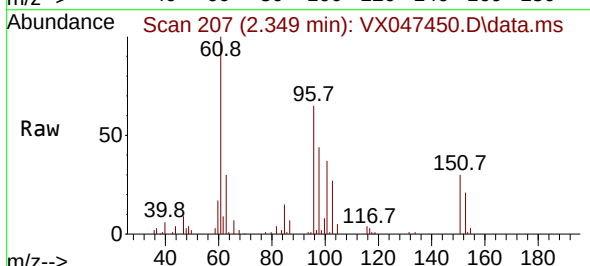
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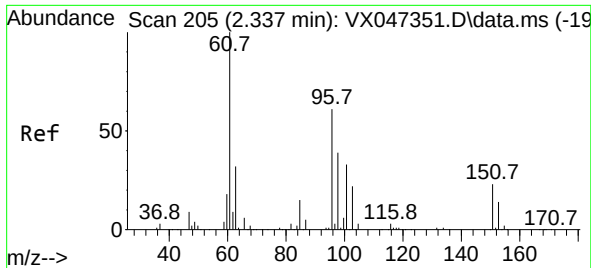
Reviewed By :John Carlone 08/21/2025
 Supervised By :Mahesh Dadoda 08/22/2025



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.757 ug/l
 RT: 2.349 min Scan# 207
 Delta R.T. 0.000 min
 Lab File: VX047450.D
 Acq: 20 Aug 2025 17:57

Tgt Ion:101 Resp: 12048
 Ion Ratio Lower Upper
 101 100
 85 46.0 34.3 51.5
 151 79.2 59.2 88.8





#12

1,1-Dichloroethene

Concen: 8.585 ug/l

RT: 2.343 min Scan# 205

Delta R.T. 0.006 min

Lab File: VX047450.D

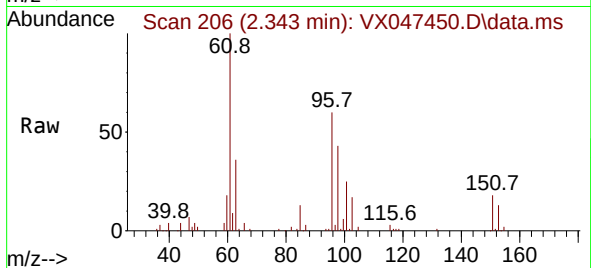
Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325



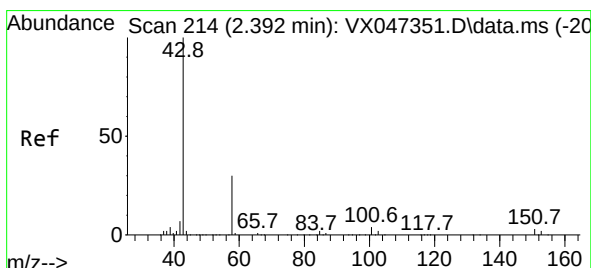
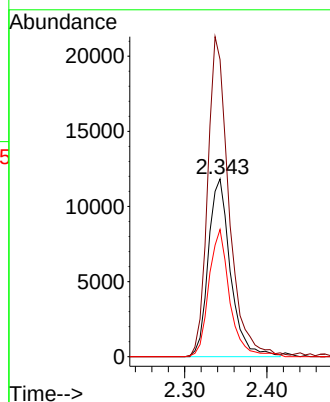
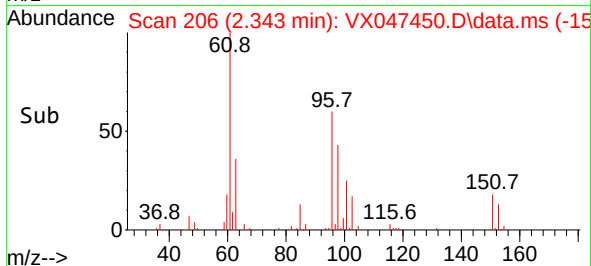
Tgt Ion:	96	Resp:	22164
Ion Ratio	Lower	Upper	
96	100		
61	167.1	132.2	198.2
98	71.6	51.2	76.8

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#16

Acetone

Concen: 37.537 ug/l

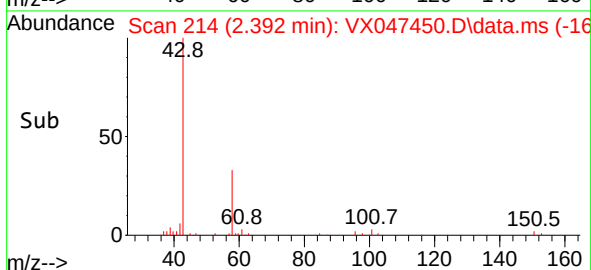
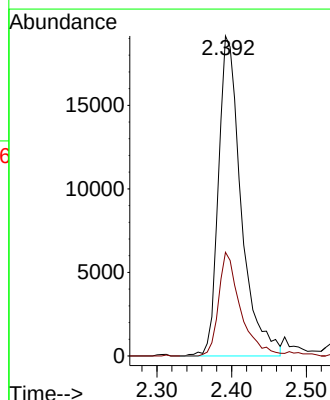
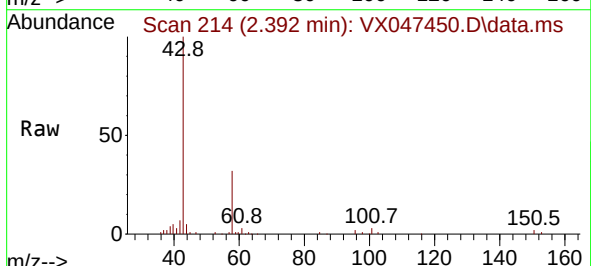
RT: 2.392 min Scan# 214

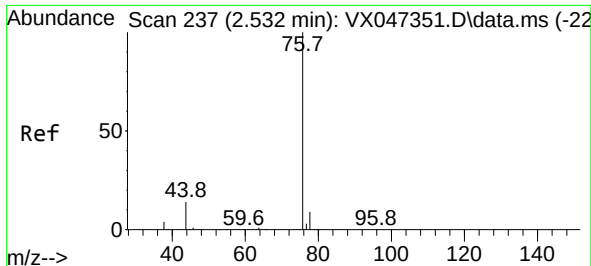
Delta R.T. 0.000 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

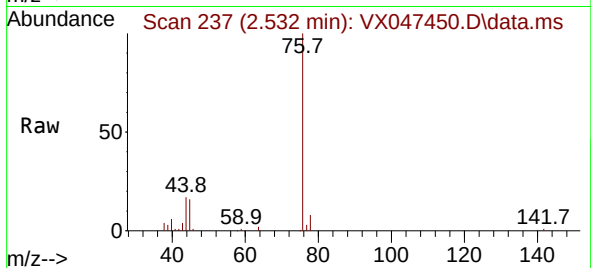
Tgt Ion:	43	Resp:	40491
Ion Ratio	Lower	Upper	
43	100		
58	32.6	24.8	37.2





#17
Carbon Disulfide
Concen: 3.943 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

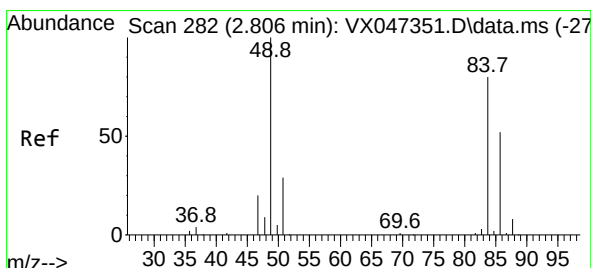
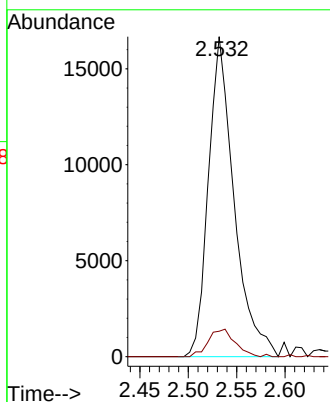
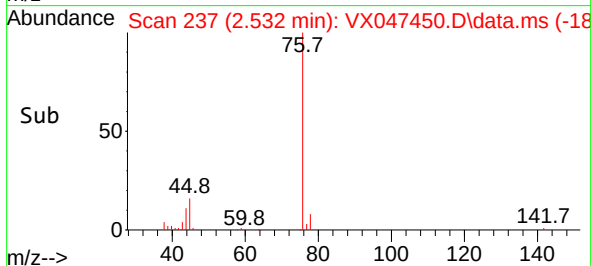
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



Tgt Ion: 76 Resp: 30720
Ion Ratio Lower Upper
76 100
78 7.9 7.2 10.8

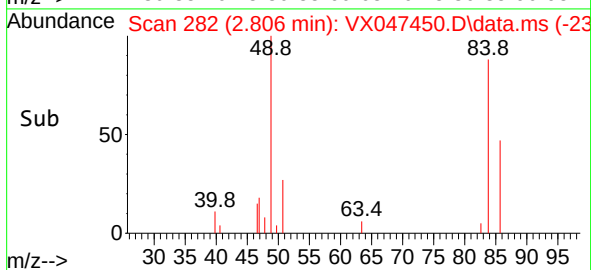
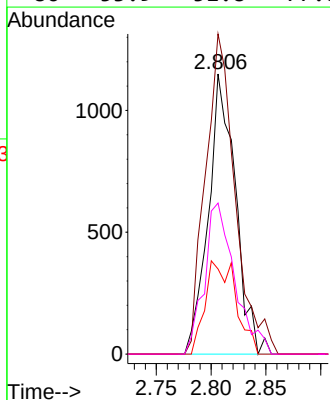
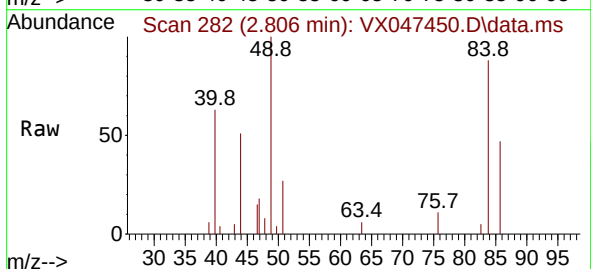
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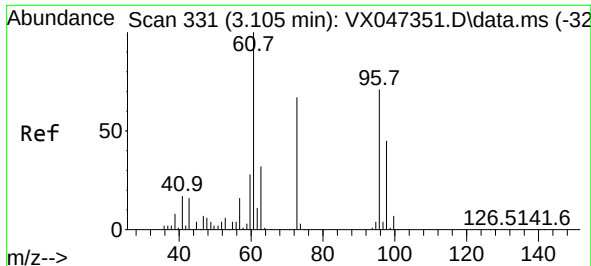
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#20
Methylene Chloride
Concen: 0.694 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

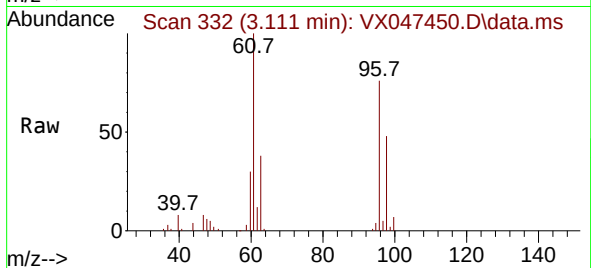
Tgt Ion: 84 Resp: 1981
Ion Ratio Lower Upper
84 100
49 114.3 100.1 150.1
51 30.3 29.5 44.3
86 53.9 51.8 77.8





#21
trans-1,2-Dichloroethene
Concen: 7.406 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

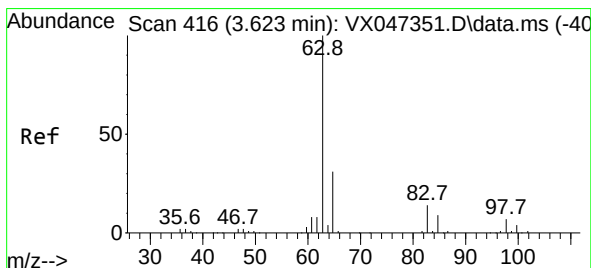
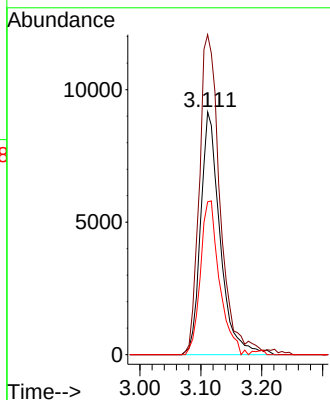
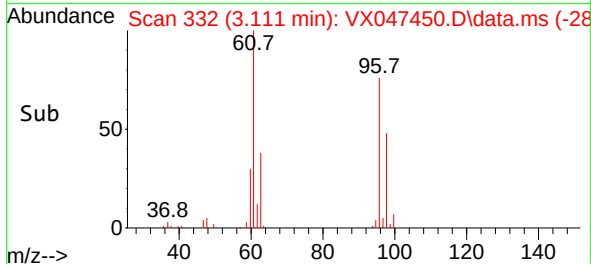
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



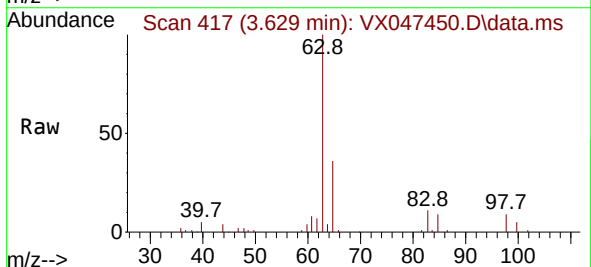
Tgt Ion: 96 Resp: 2029
Ion Ratio Lower Upper
96 100
61 131.8 112.6 169.0
98 63.0 50.9 76.3

Manual Integrations
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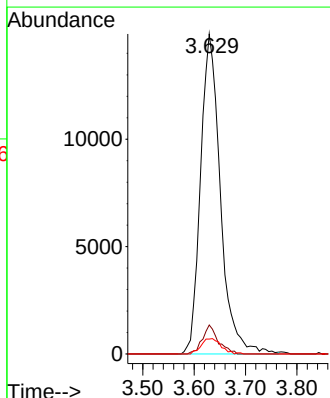
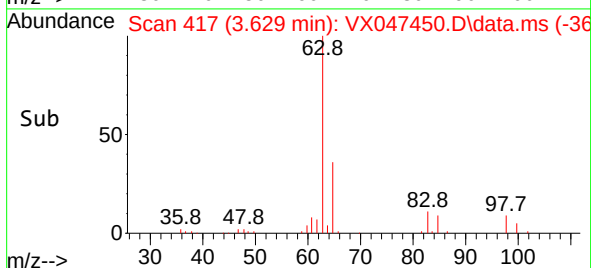
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

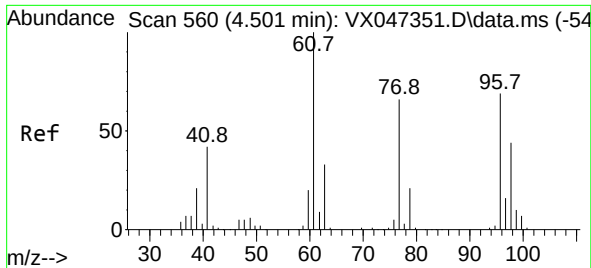


#24
1,1-Dichloroethane
Concen: 8.001 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57



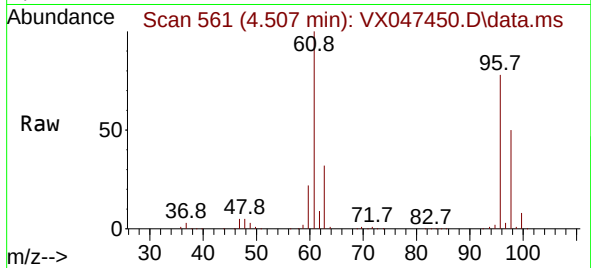
Tgt Ion: 63 Resp: 40088
Ion Ratio Lower Upper
63 100
98 9.1 3.3 9.9
100 4.7 2.1 6.3





#27
cis-1,2-Dichloroethene
Concen: 897.640 ug/l
RT: 4.507 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

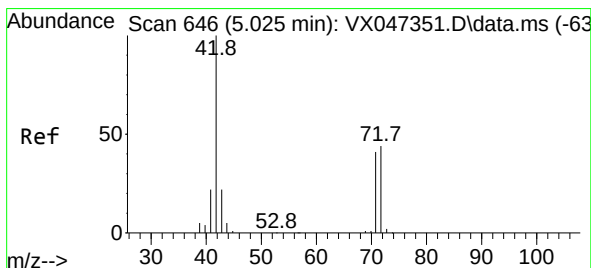
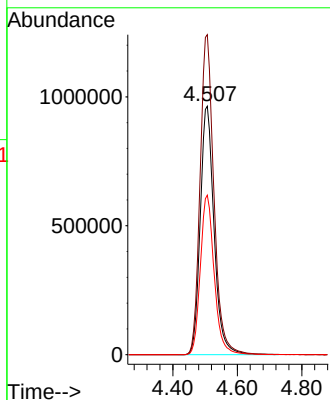
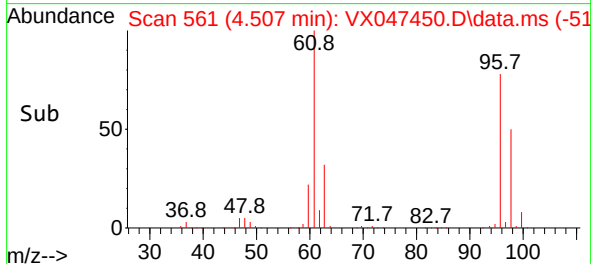
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



Tgt Ion: 96 Resp: 2864874
Ion Ratio Lower Upper
96 100
61 129.2 0.0 296.6
98 64.3 0.0 130.4

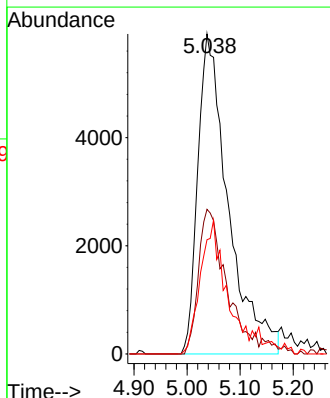
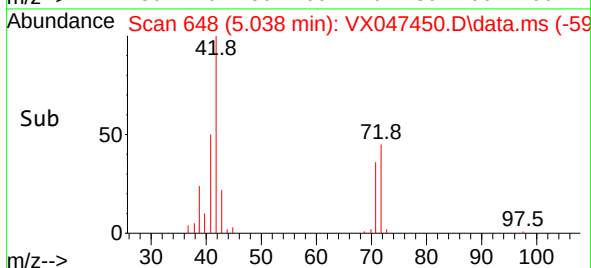
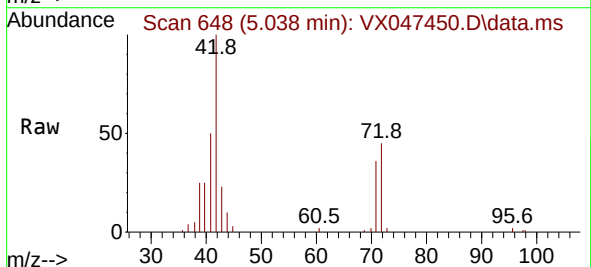
Manual Integrations
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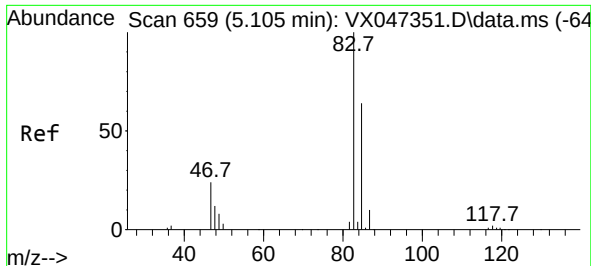
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#29
Tetrahydrofuran
Concen: 25.782 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.012 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Tgt Ion: 42 Resp: 23542
Ion Ratio Lower Upper
42 100
72 41.3 34.6 51.8
71 34.9 32.6 49.0





#30

Chloroform

Concen: 0.270 ug/l m

RT: 5.123 min Scan# 6

Delta R.T. 0.018 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion: 83 Resp: 138

Ion Ratio Lower Upper

83 100

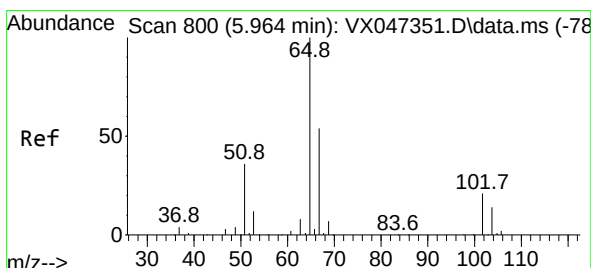
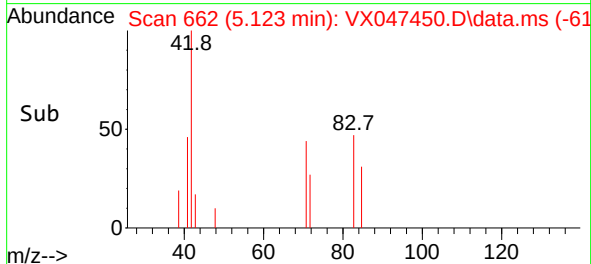
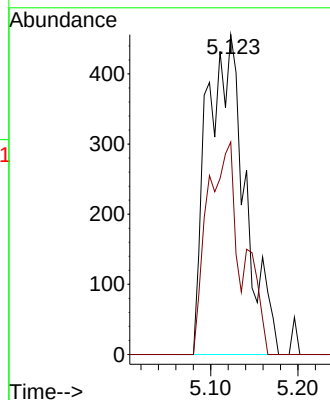
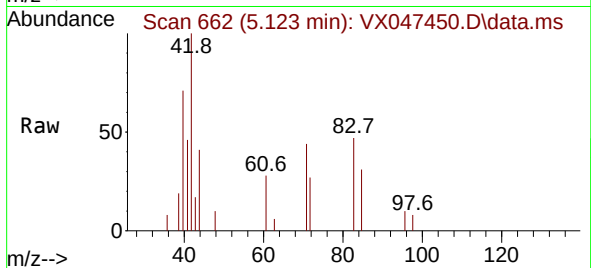
85 66.4 51.2 76.8

Manual Integrations

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Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#33

1,2-Dichloroethane-d4

Concen: 54.297 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047450.D

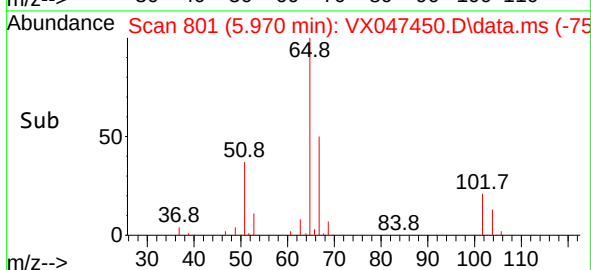
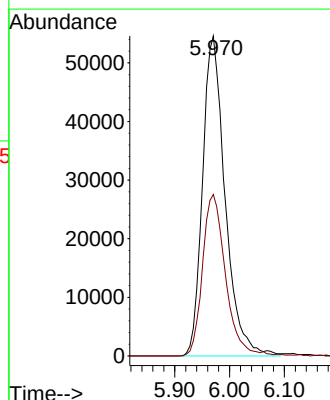
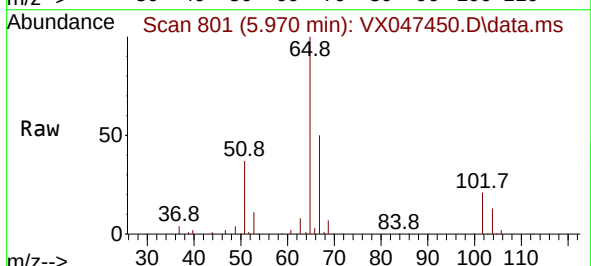
Acq: 20 Aug 2025 17:57

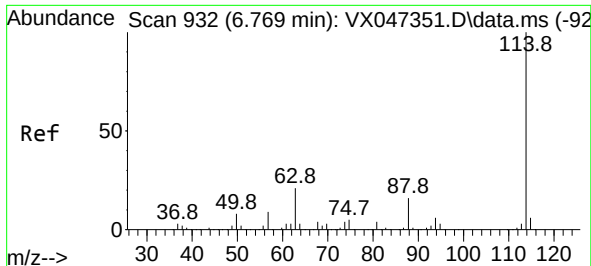
Tgt Ion: 65 Resp: 155820

Ion Ratio Lower Upper

65 100

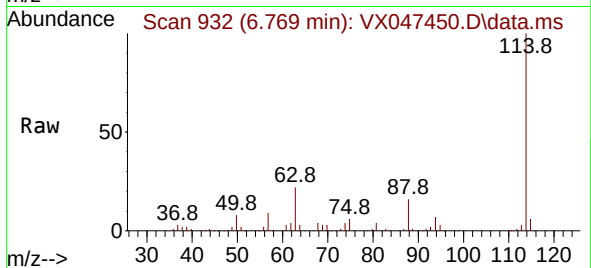
67 51.6 0.0 106.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

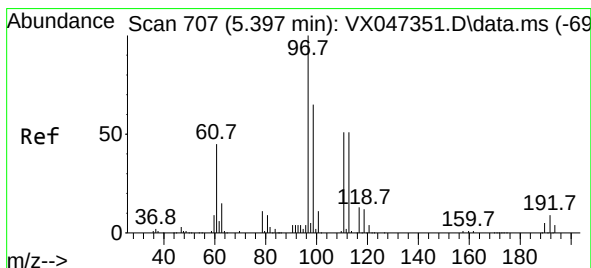
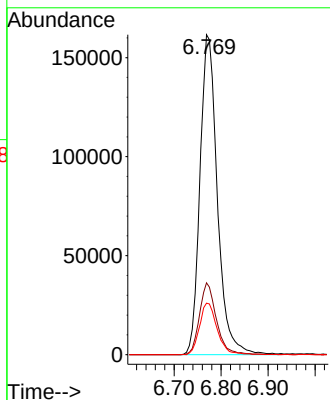
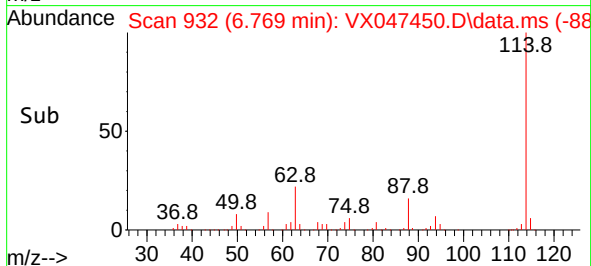
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



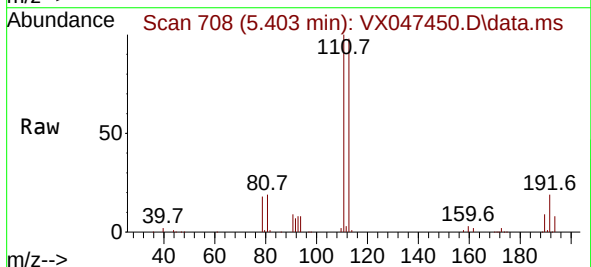
Tgt Ion:114 Resp: 41560
Ion Ratio Lower Upper
114 100
63 22.5 0.0 42.4
88 16.1 0.0 33.0

Manual Integrations
APPROVED

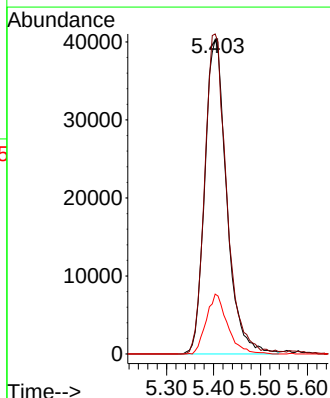
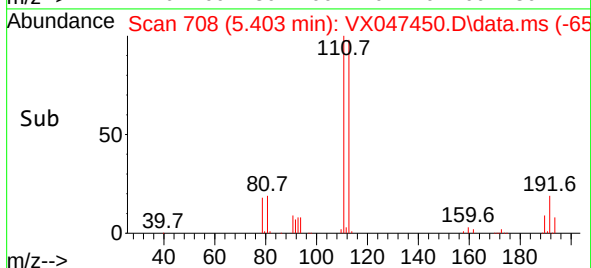
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

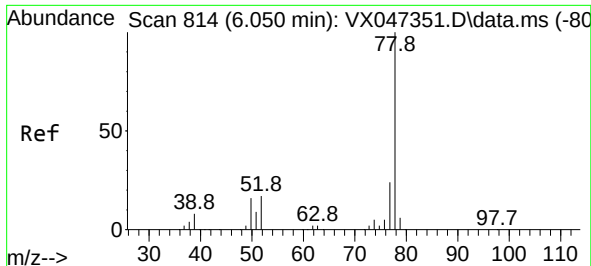


#35
Dibromofluoromethane
Concen: 48.243 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57



Tgt Ion:113 Resp: 130125
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.2
192 18.5 14.1 21.1





#40

Benzene

Concen: 1.579 ug/l

RT: 6.056 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX047450.D

Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325

Tgt Ion: 78 Resp: 20120

Ion Ratio Lower Upper

78 100

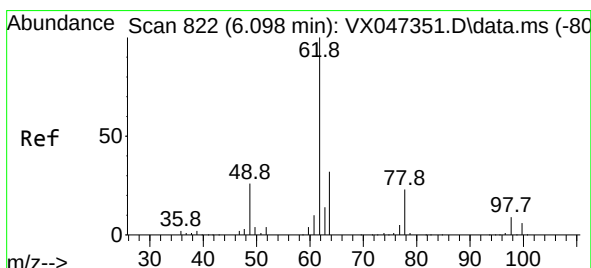
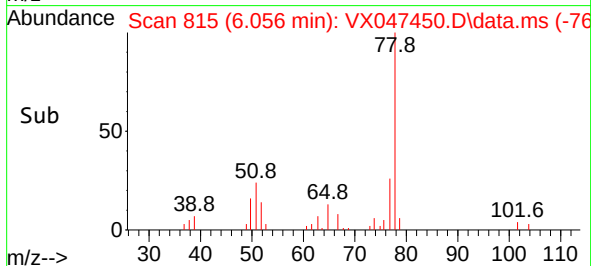
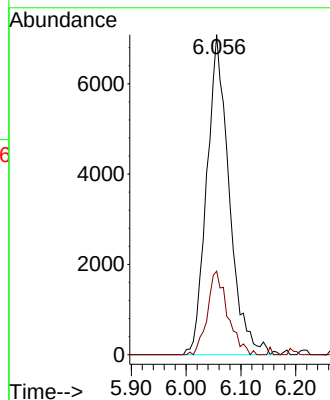
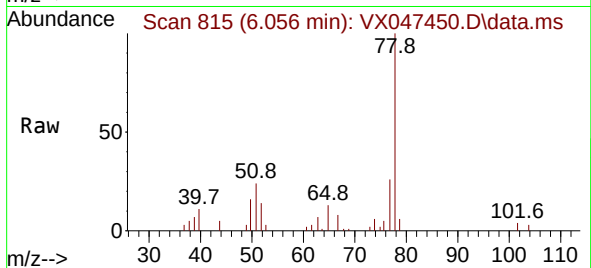
77 24.6 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025



#42

1,2-Dichloroethane

Concen: 1.642 ug/l

RT: 6.104 min Scan# 823

Delta R.T. 0.006 min

Lab File: VX047450.D

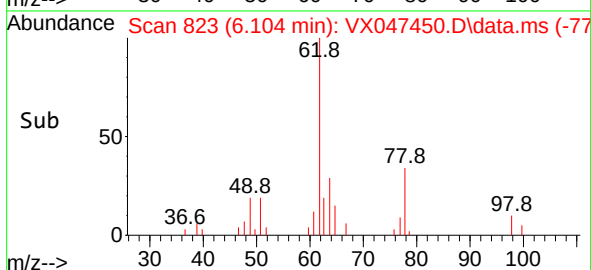
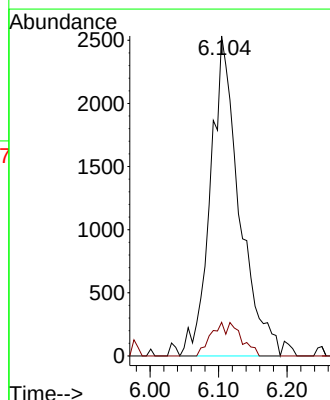
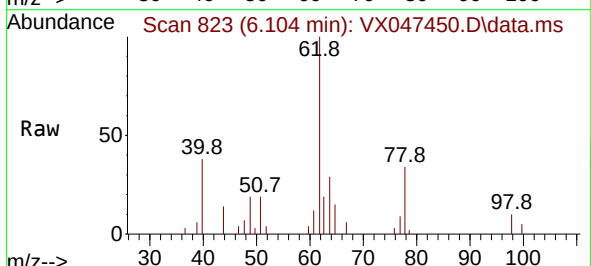
Acq: 20 Aug 2025 17:57

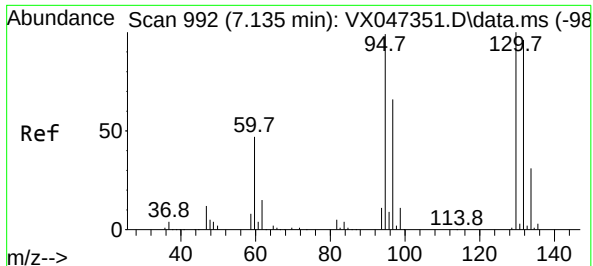
Tgt Ion: 62 Resp: 7414

Ion Ratio Lower Upper

62 100

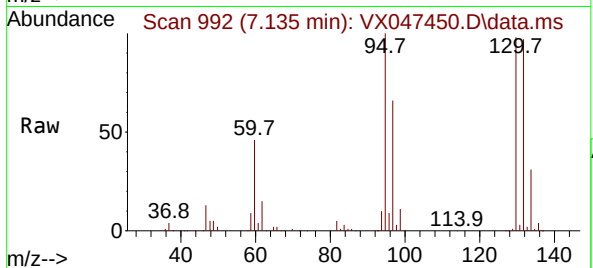
98 5.6 0.0 18.0





#44
Trichloroethene
Concen: 162.306 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

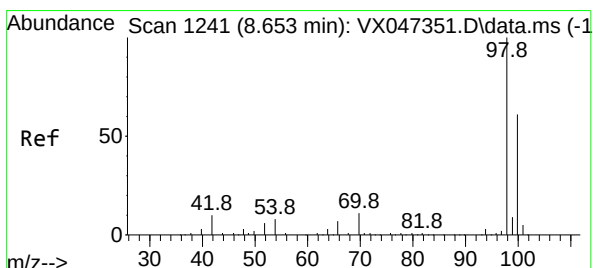
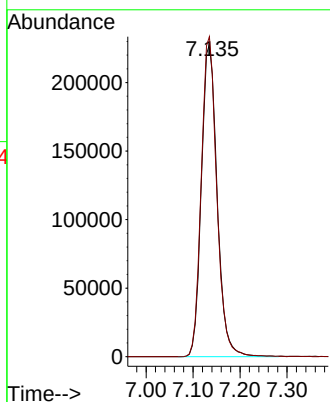
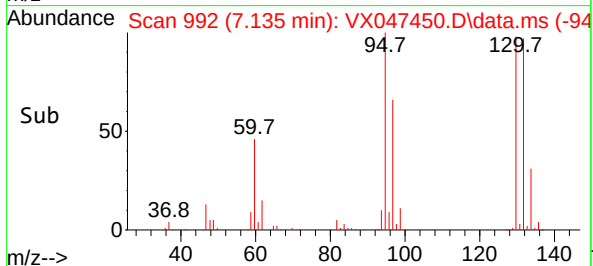
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



Tgt Ion:130 Resp: 529658
Ion Ratio Lower Upper
130 100
95 102.5 0.0 198.6

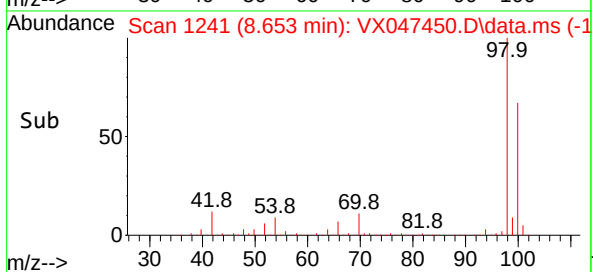
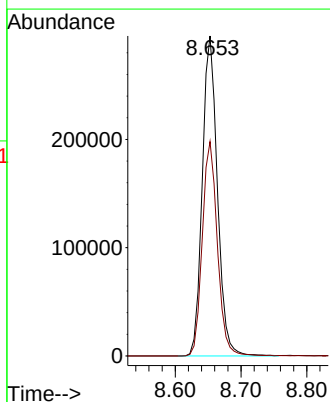
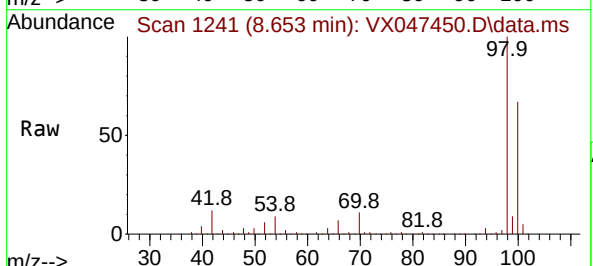
Manual Integrations
APPROVED

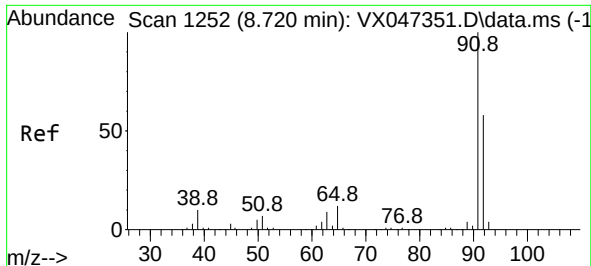
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#50
Toluene-d8
Concen: 49.030 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

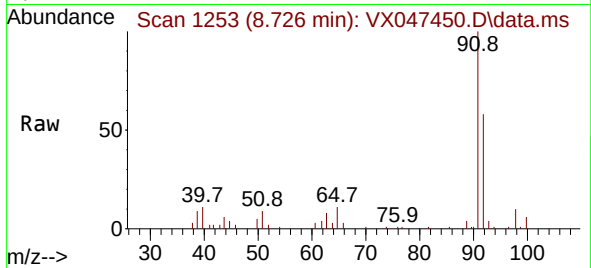
Tgt Ion: 98 Resp: 472687
Ion Ratio Lower Upper
98 100
100 66.9 53.9 80.9





#52
Toluene
Concen: 1.142 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

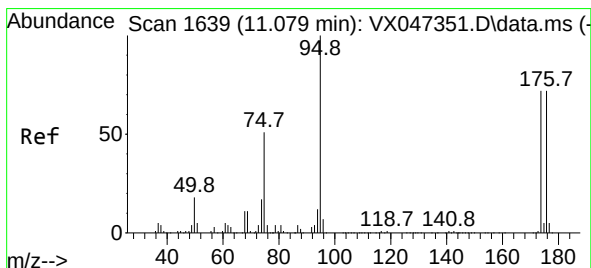
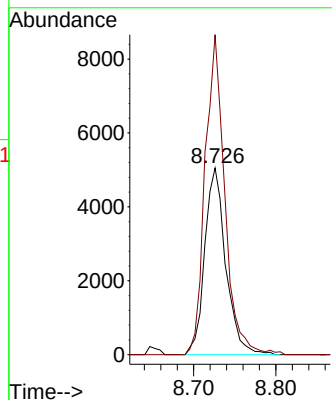
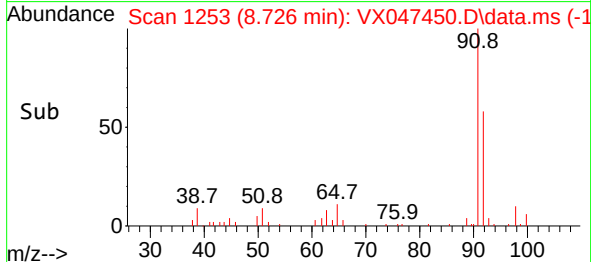
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



Tgt Ion: 92 Resp: 8994
Ion Ratio Lower Upper
92 100
91 160.4 136.3 204.5

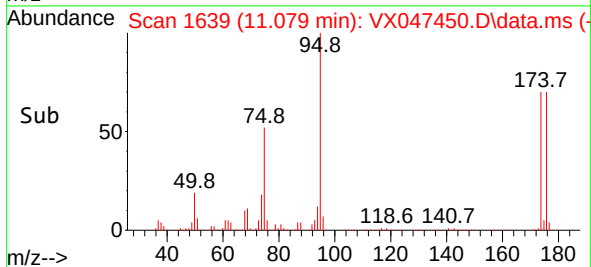
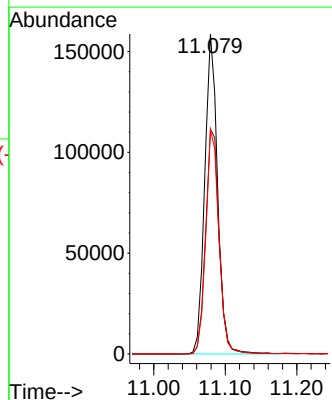
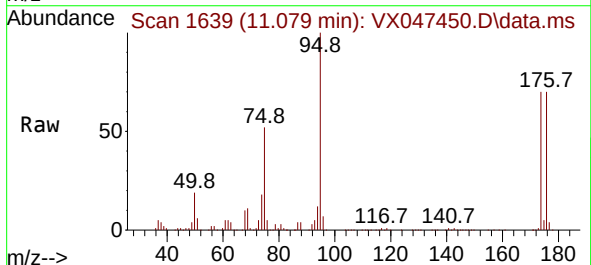
Manual Integrations
APPROVED

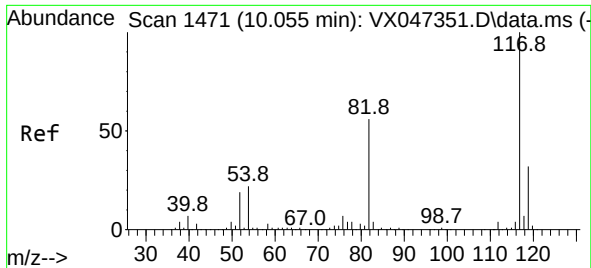
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#62
4-Bromofluorobenzene
Concen: 55.829 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

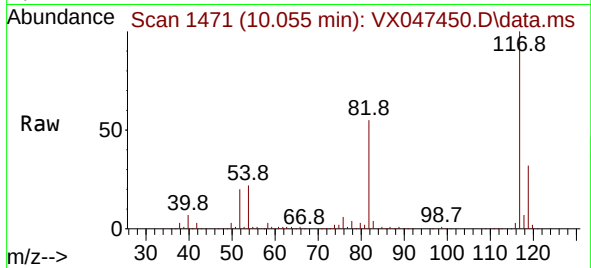
Tgt Ion: 95 Resp: 198622
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.0
176 71.8 0.0 145.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

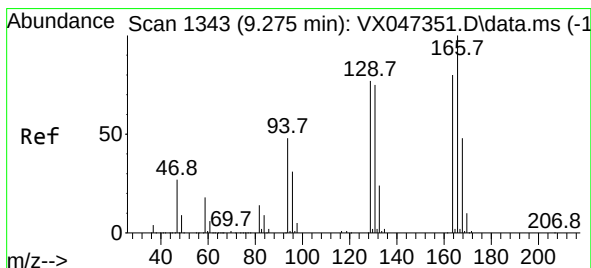
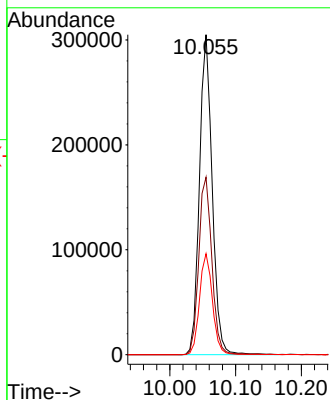
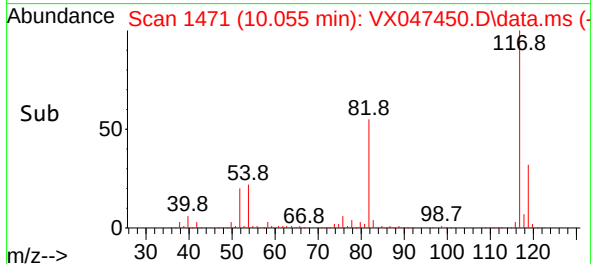
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



Tgt Ion:117 Resp: 41105
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 31.5 25.8 38.8

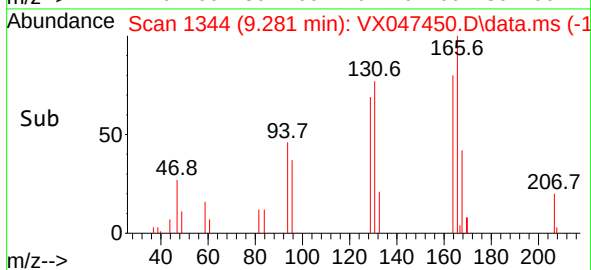
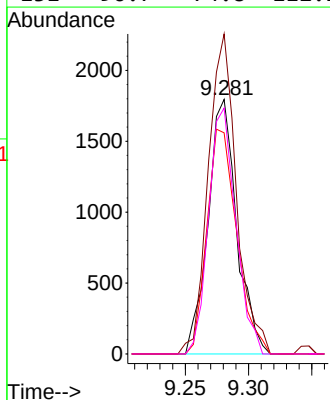
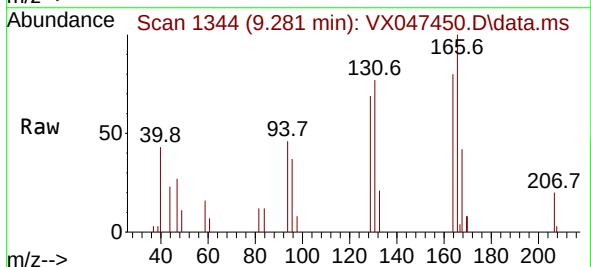
Manual Integrations
APPROVED

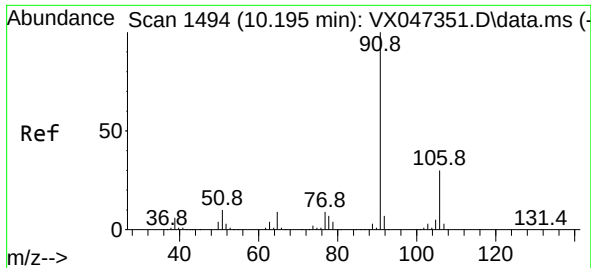
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#64
Tetrachloroethene
Concen: 0.951 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

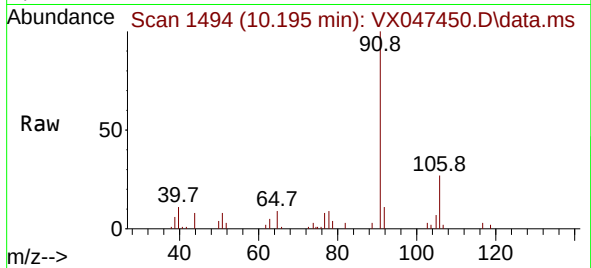
Tgt Ion:164 Resp: 2827
Ion Ratio Lower Upper
164 100
166 125.7 100.3 150.5
129 86.9 77.7 116.5
131 96.7 74.8 112.2





#67
Ethyl Benzene
Concen: 0.660 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

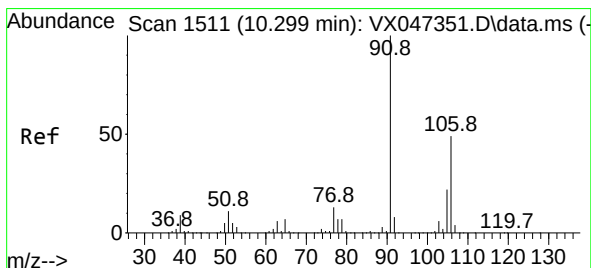
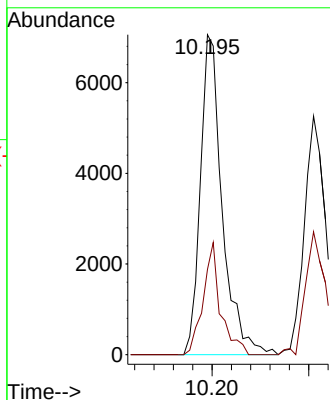
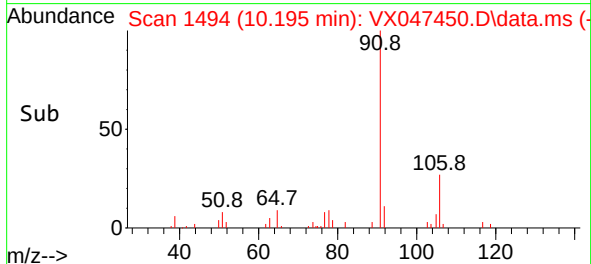
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325



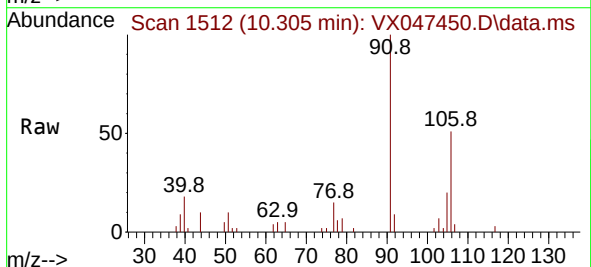
Tgt Ion: 91 Resp: 1109
Ion Ratio Lower Upper
91 100
106 28.7 24.4 36.6

Manual Integrations
APPROVED

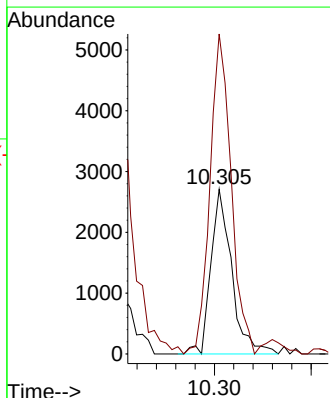
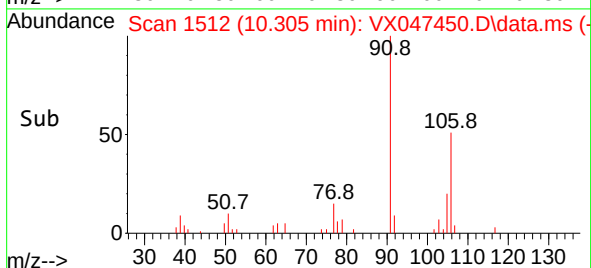
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025

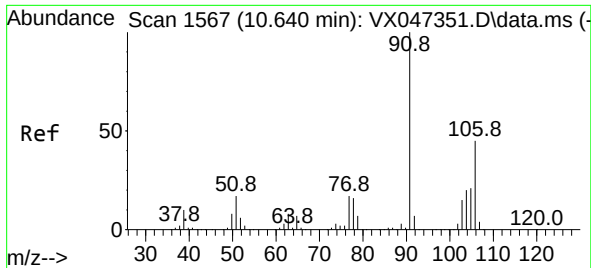


#68
m/p-Xylenes
Concen: 0.647 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57



Tgt Ion:106 Resp: 4057
Ion Ratio Lower Upper
106 100
91 197.8 164.7 247.1





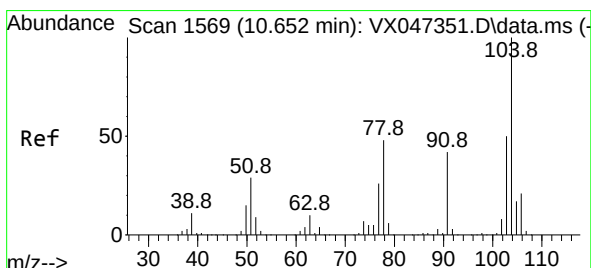
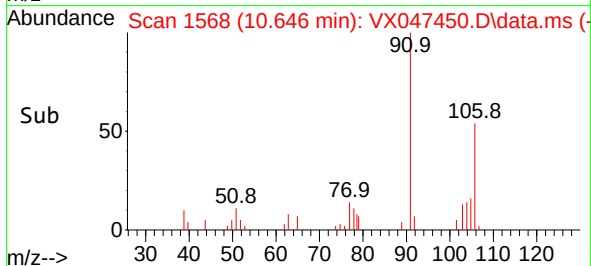
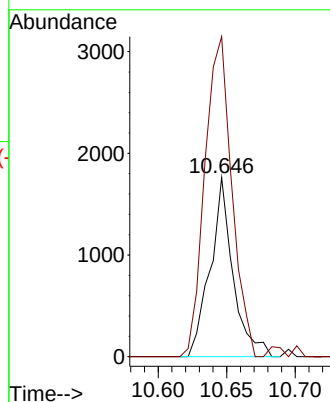
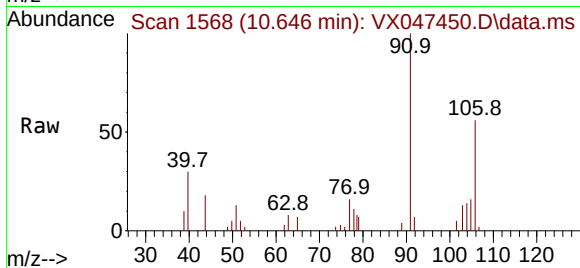
#69
o-Xylene
Concen: 0.338 ug/l
RT: 10.646 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-081325

Tgt Ion:106 Resp: 204
Ion Ratio Lower Upper
106 100
91 211.0 110.6 331.8

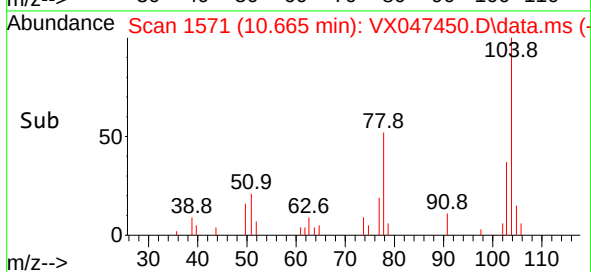
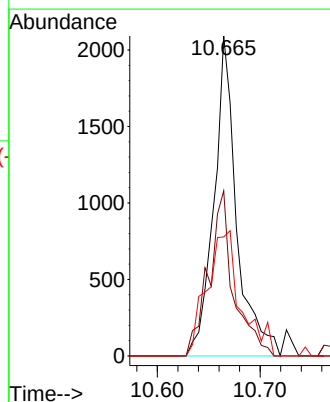
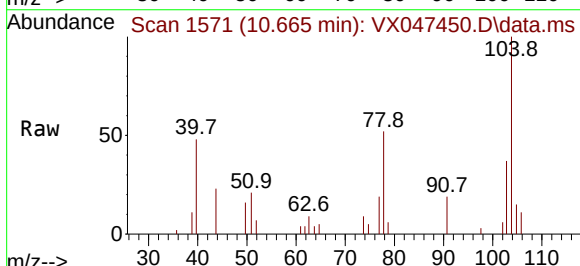
Manual Integrations
APPROVED

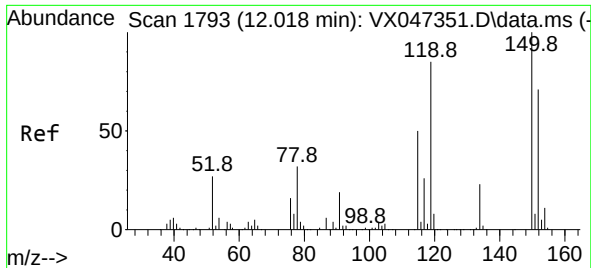
Reviewed By :John Carlone 08/21/2025
Supervised By :Mahesh Dadoda 08/22/2025



#70
Styrene
Concen: 0.314 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX047450.D
Acq: 20 Aug 2025 17:57

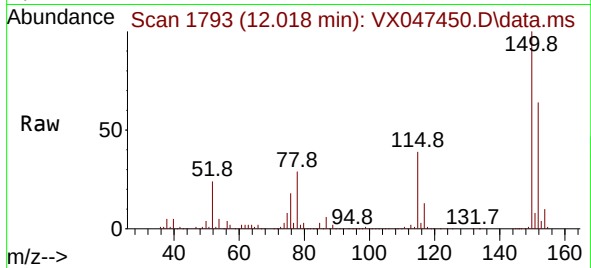
Tgt Ion:104 Resp: 3204
Ion Ratio Lower Upper
104 100
78 56.1 41.8 62.8
103 58.0 43.6 65.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047450.D
 Acq: 20 Aug 2025 17:57

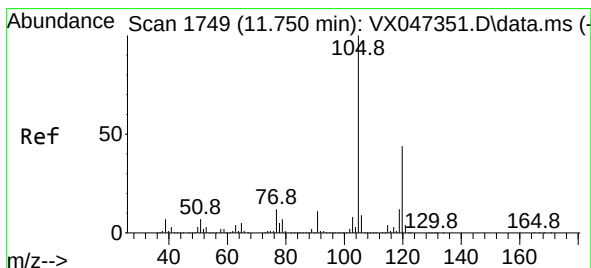
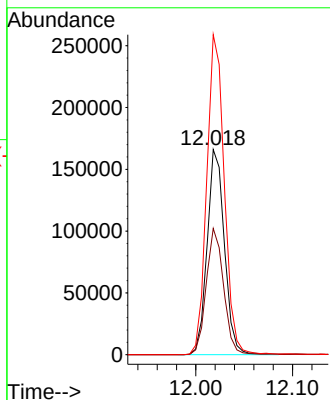
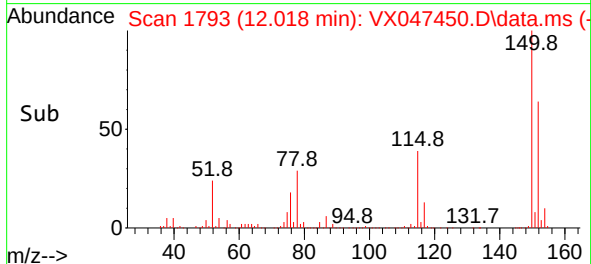
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-081325



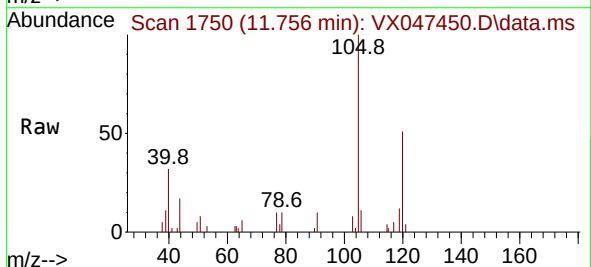
Tgt Ion:152 Resp: 20689
 Ion Ratio Lower Upper
 152 100
 115 61.6 44.6 133.8
 150 158.0 0.0 349.8

Manual Integrations
 APPROVED

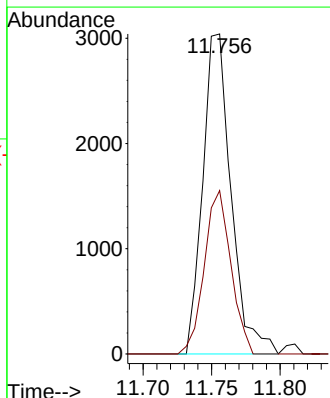
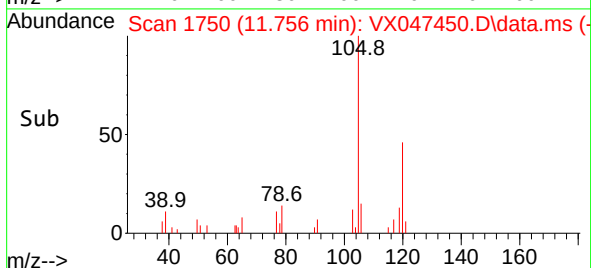
Reviewed By :John Carlone 08/21/2025
 Supervised By :Mahesh Dadoda 08/22/2025

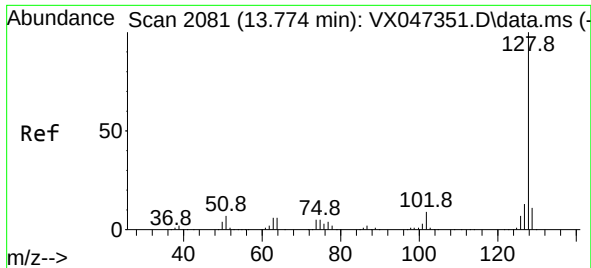


#84
 1,2,4-Trimethylbenzene
 Concen: 0.329 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX047450.D
 Acq: 20 Aug 2025 17:57



Tgt Ion:105 Resp: 4379
 Ion Ratio Lower Upper
 105 100
 120 47.8 21.9 65.7





#95

Naphthalene

Concen: 15.573 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX047450.D

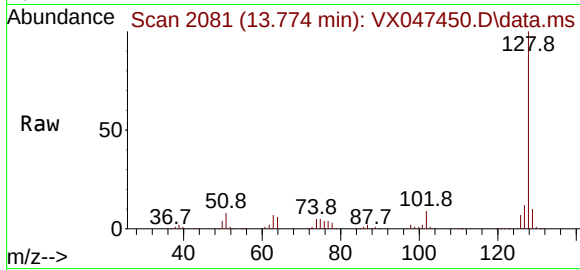
Acq: 20 Aug 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-081325



Tgt Ion:128 Resp: 21389

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 10.4 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/21/2025

Supervised By :Mahesh Dadoda 08/22/2025

