

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047446.D
 Acq On : 20 Aug 2025 16:30
 Operator : JC/MD
 Sample : Q2900-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-081825

Quant Time: Aug 21 01:34:59 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

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

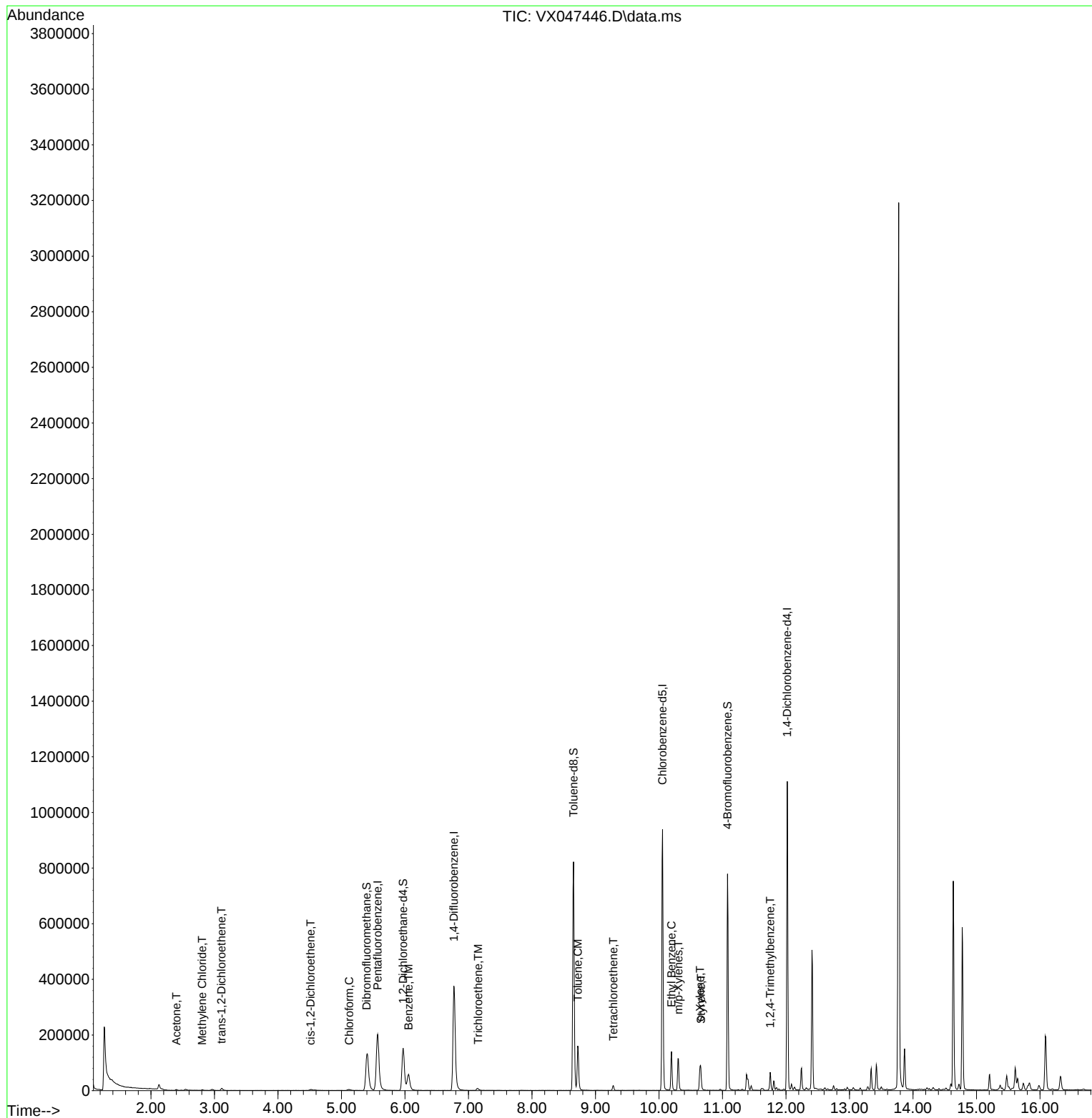
Internal Standards						
1) Pentafluorobenzene	5.568	168	203435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	410947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	419862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	214139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	160918	56.519	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.040%
35) Dibromofluoromethane	5.397	113	128824	48.301	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.600%
50) Toluene-d8	8.653	98	482717	50.637	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.280%
62) 4-Bromofluorobenzene	11.079	95	207607	59.016	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.040%
Target Compounds						
						Qvalue
16) Acetone	2.398	43	3993	3.731	ug/l	95
20) Methylene Chloride	2.806	84	1062	0.375	ug/l #	84
21) trans-1,2-Dichloroethene	3.111	96	3345	1.230	ug/l	95
27) cis-1,2-Dichloroethene	4.513	96	2042	0.645	ug/l	93
30) Chloroform	5.123	83	4307	0.849	ug/l	90
40) Benzene	6.056	78	71423	5.668	ug/l	97
44) Trichloroethene	7.153	130	3296	1.021	ug/l	83
52) Toluene	8.720	92	63445	8.148	ug/l	99
64) Tetrachloroethene	9.281	164	3248	1.070	ug/l	94
67) Ethyl Benzene	10.195	91	81095	4.722	ug/l	99
68) m/p-Xylenes	10.305	106	28115	4.391	ug/l	98
69) o-Xylene	10.647	106	13340	2.165	ug/l	93
70) Styrene	10.659	104	28999	2.785	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	26999	1.958	ug/l	96

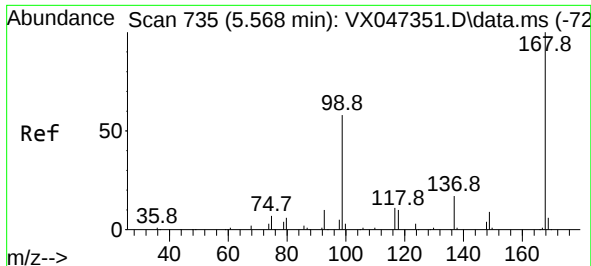
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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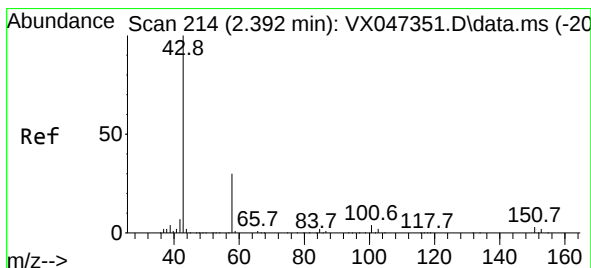
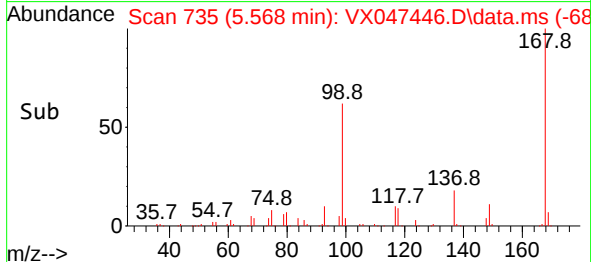
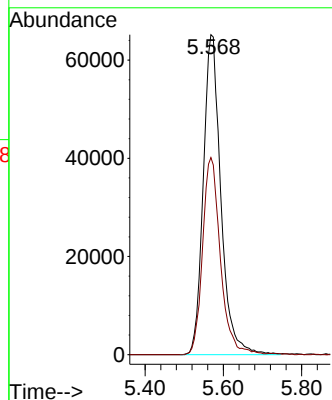
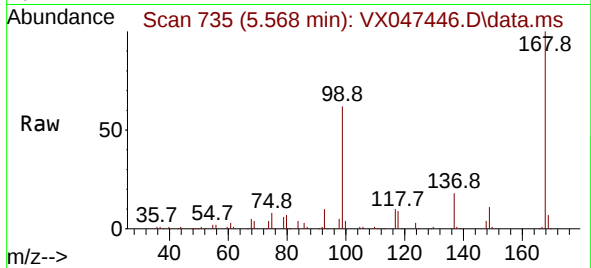




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047446.D
Acq: 20 Aug 2025 16:30

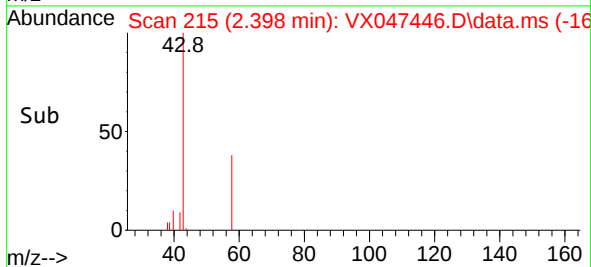
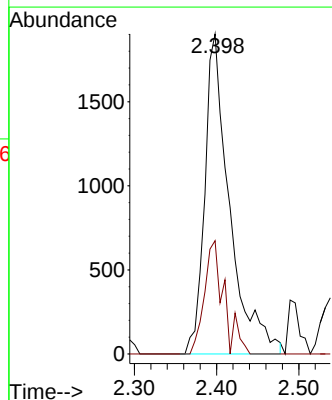
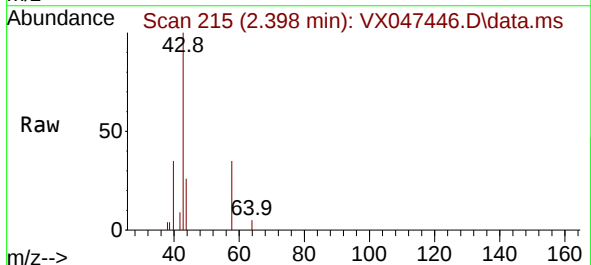
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

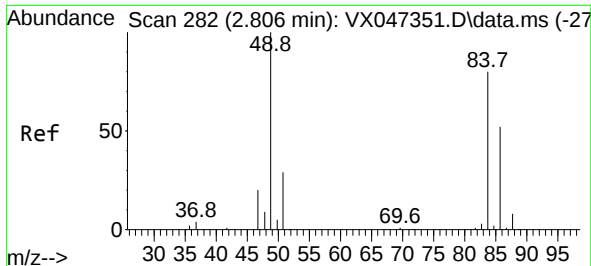
Tgt Ion:168 Resp: 203435
Ion Ratio Lower Upper
168 100
99 61.6 47.9 71.9



#16
Acetone
Concen: 3.731 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047446.D
Acq: 20 Aug 2025 16:30

Tgt Ion: 43 Resp: 3993
Ion Ratio Lower Upper
43 100
58 28.1 24.8 37.2





#20

Methylene Chloride

Concen: 0.375 ug/l

RT: 2.806 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-17B-081825

Tgt Ion: 84 Resp: 1062

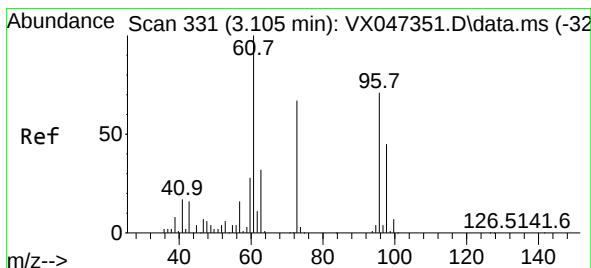
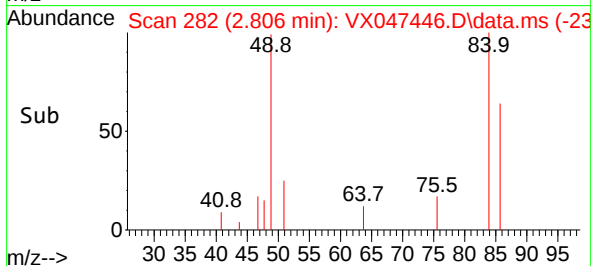
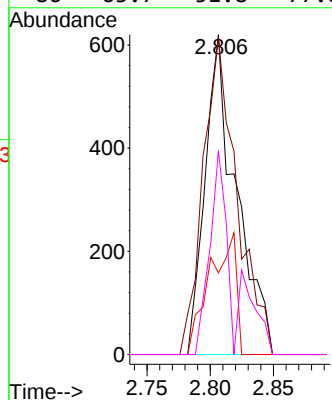
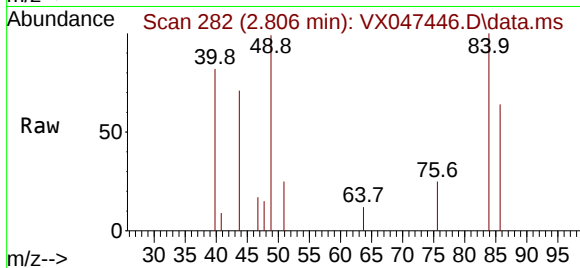
Ion Ratio Lower Upper

84 100

49 99.2 100.1 150.1#

51 25.5 29.5 44.3#

86 63.7 51.8 77.8



#21

trans-1,2-Dichloroethene

Concen: 1.230 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

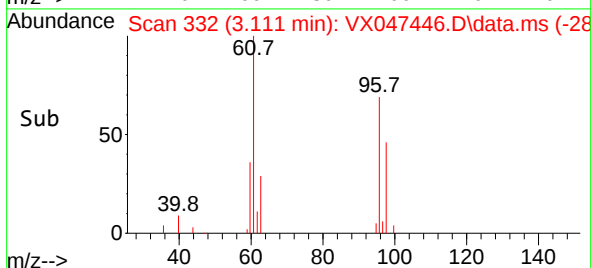
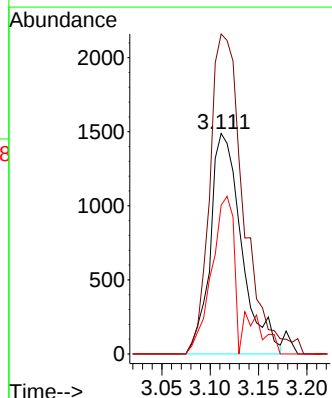
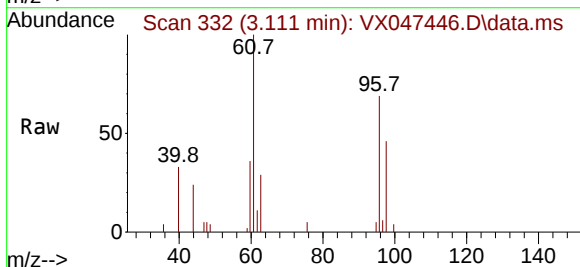
Tgt Ion: 96 Resp: 3345

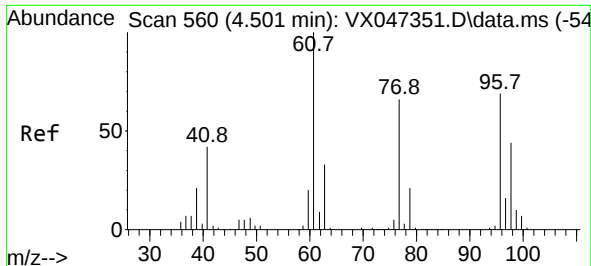
Ion Ratio Lower Upper

96 100

61 133.2 112.6 169.0

98 61.9 50.9 76.3





#27

cis-1,2-Dichloroethene

Concen: 0.645 ug/l

RT: 4.513 min Scan# 560

Delta R.T. 0.012 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-17B-081825

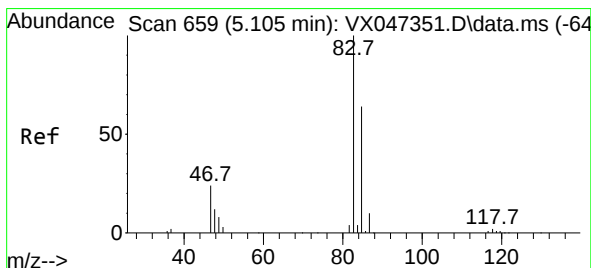
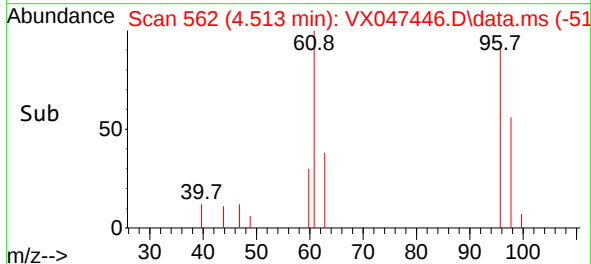
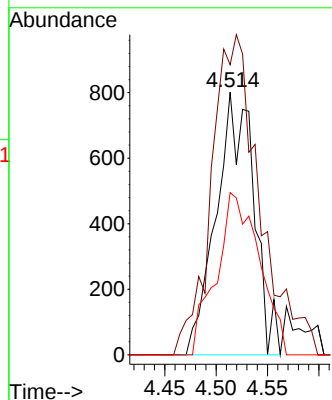
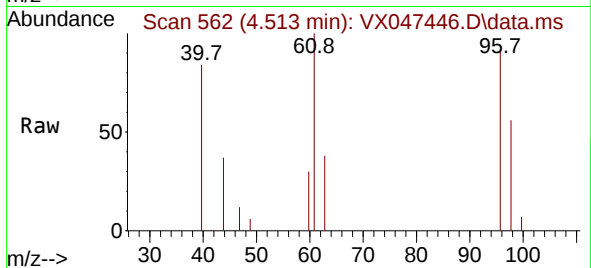
Tgt Ion: 96 Resp: 2042

Ion Ratio Lower Upper

96 100

61 156.2 0.0 296.6

98 70.9 0.0 130.4



#30

Chloroform

Concen: 0.849 ug/l

RT: 5.123 min Scan# 662

Delta R.T. 0.019 min

Lab File: VX047446.D

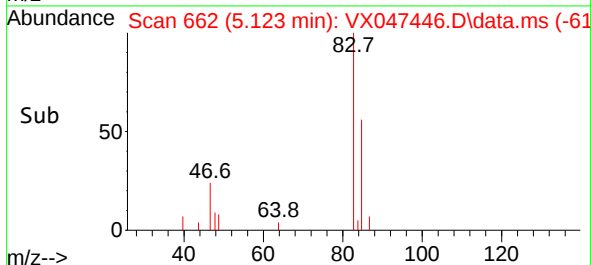
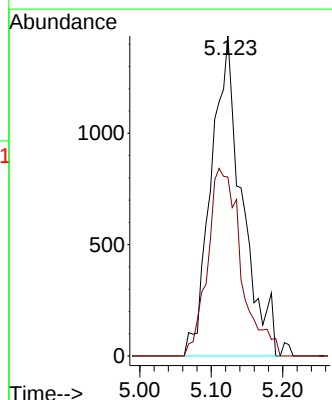
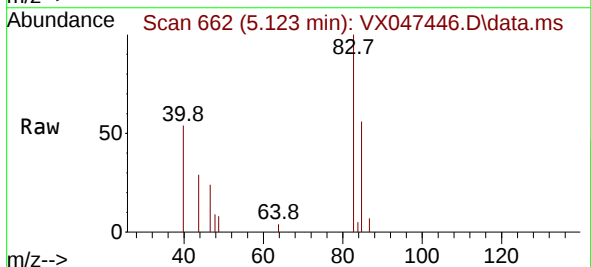
Acq: 20 Aug 2025 16:30

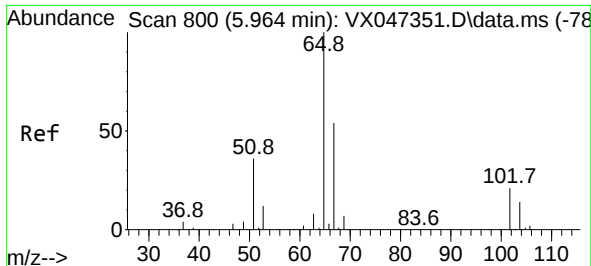
Tgt Ion: 83 Resp: 4307

Ion Ratio Lower Upper

83 100

85 55.9 51.2 76.8





#33

1,2-Dichloroethane-d4

Concen: 56.519 ug/l

RT: 5.971 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

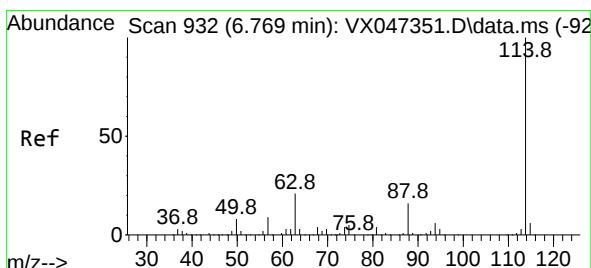
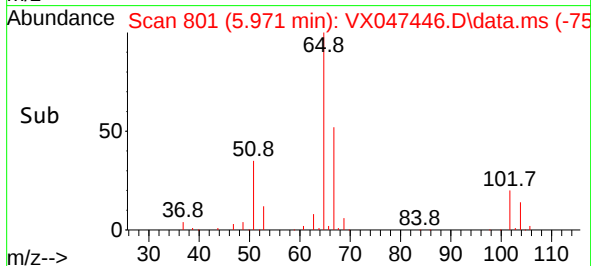
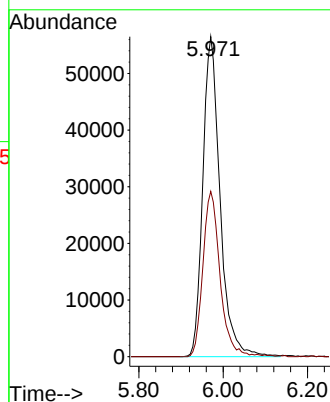
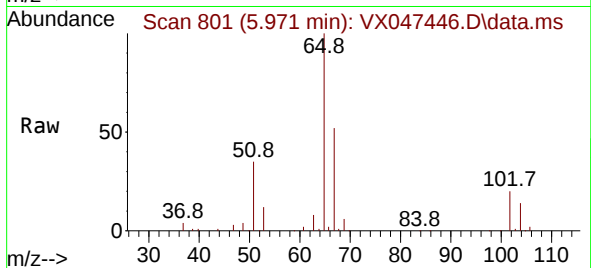
MW-17B-081825

Tgt Ion: 65 Resp: 160918

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

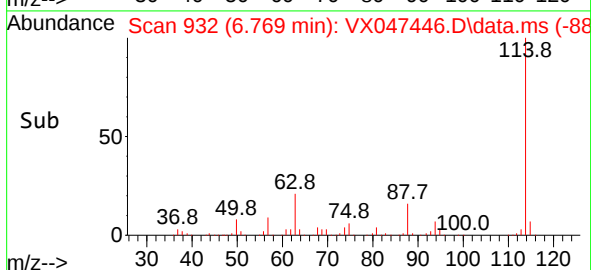
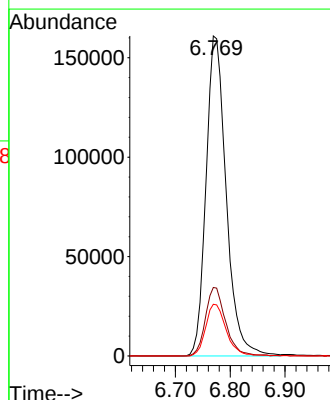
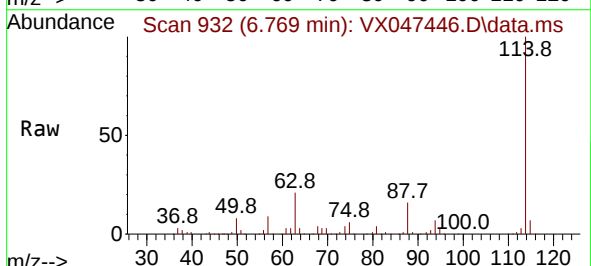
Tgt Ion: 114 Resp: 410947

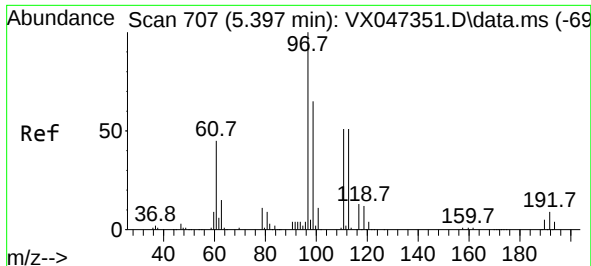
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.301 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

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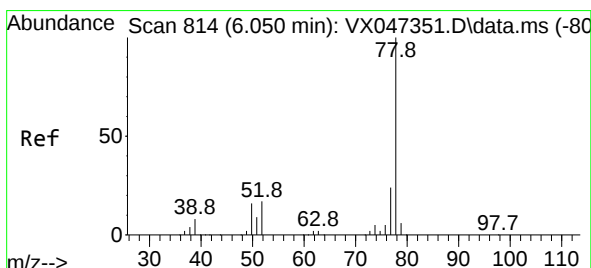
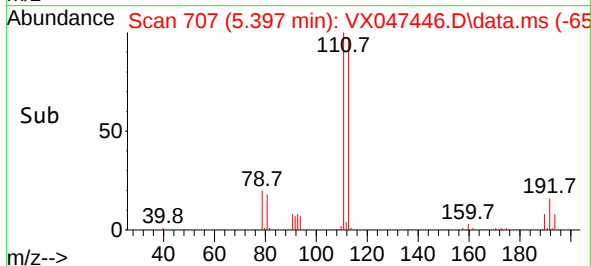
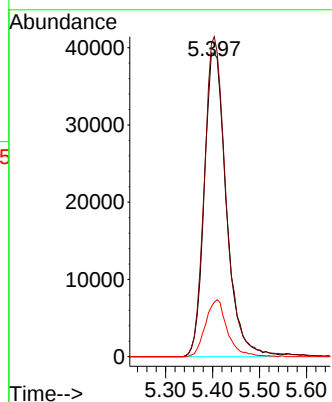
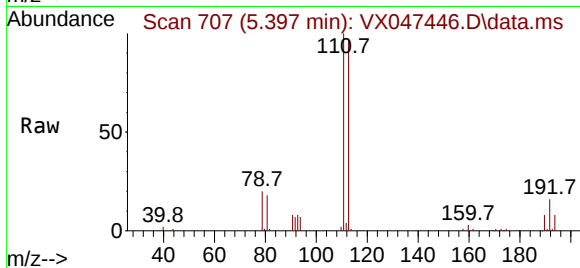
Tgt Ion:113 Resp: 128824

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.2

192 18.5 14.1 21.1



#40

Benzene

Concen: 5.668 ug/l

RT: 6.056 min Scan# 815

Delta R.T. 0.006 min

Lab File: VX047446.D

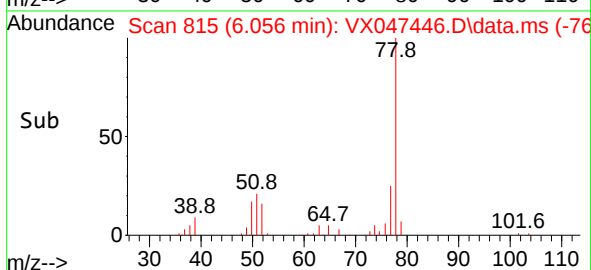
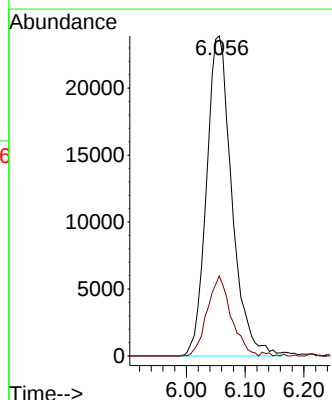
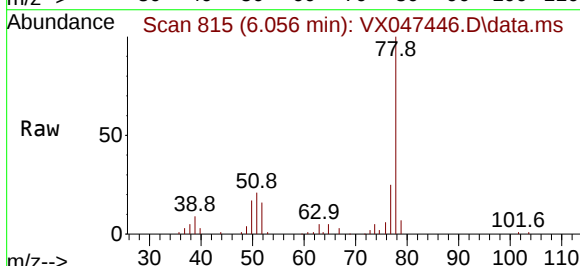
Acq: 20 Aug 2025 16:30

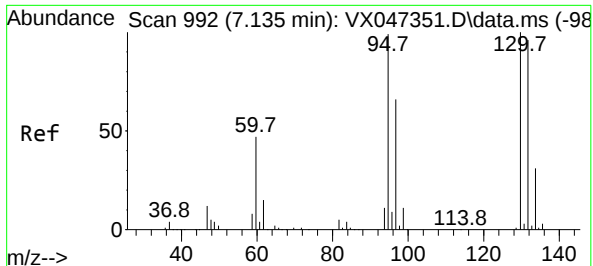
Tgt Ion: 78 Resp: 71423

Ion Ratio Lower Upper

78 100

77 25.0 19.0 28.4

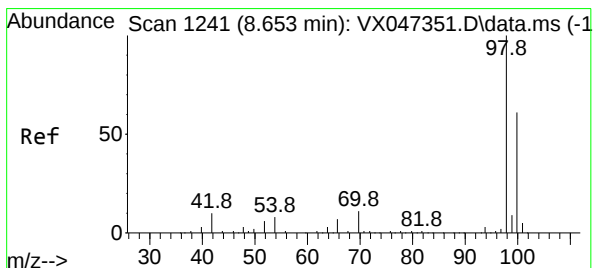
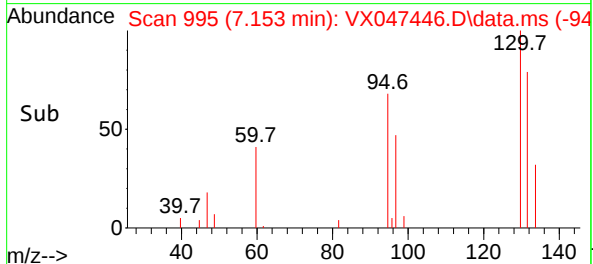
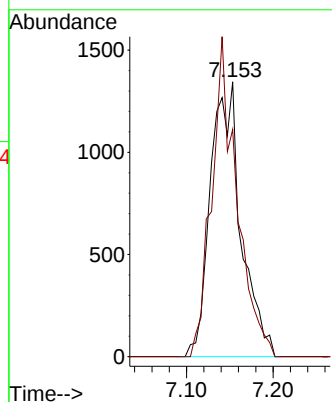
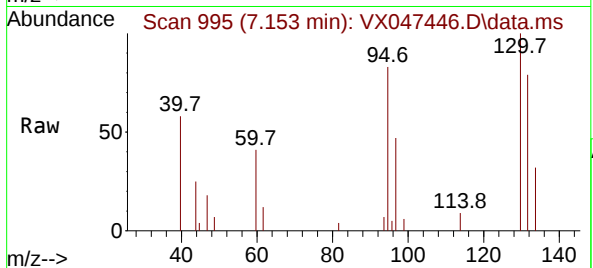




#44
Trichloroethene
Concen: 1.021 ug/l
RT: 7.153 min Scan# 94
Delta R.T. 0.019 min
Lab File: VX047446.D
Acq: 20 Aug 2025 16:30

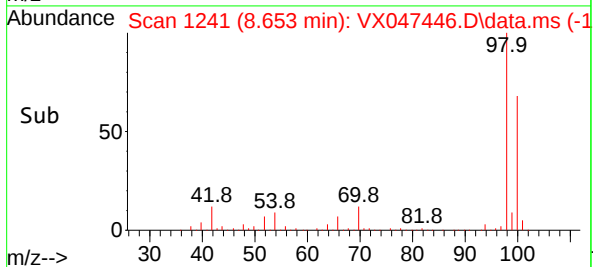
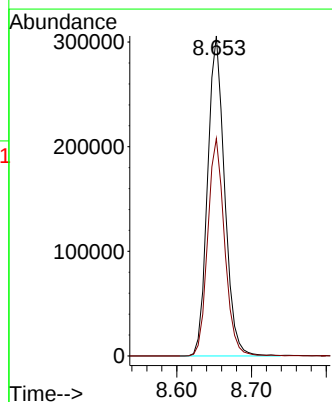
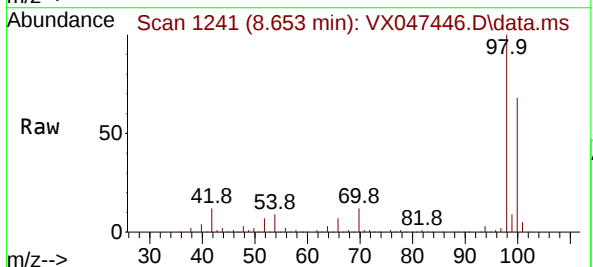
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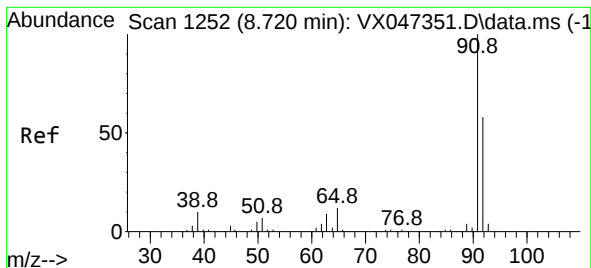
Tgt Ion:130 Resp: 3296
Ion Ratio Lower Upper
130 100
95 82.7 0.0 198.6



#50
Toluene-d8
Concen: 50.637 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047446.D
Acq: 20 Aug 2025 16:30

Tgt Ion: 98 Resp: 482717
Ion Ratio Lower Upper
98 100
100 67.5 53.9 80.9





#52

Toluene

Concen: 8.148 ug/l

RT: 8.720 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

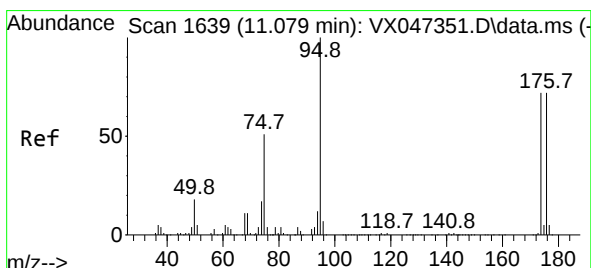
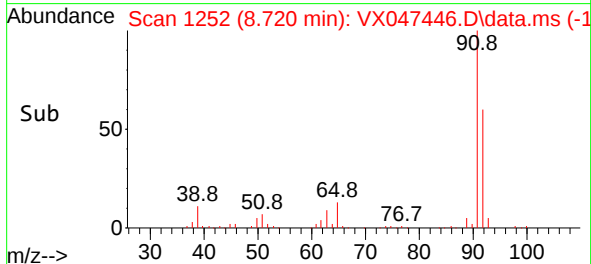
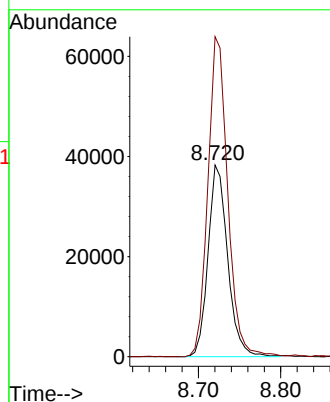
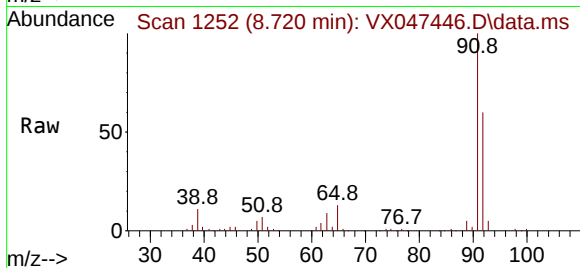
MW-17B-081825

Tgt Ion: 92 Resp: 63445

Ion Ratio Lower Upper

92 100

91 168.8 136.3 204.5



#62

4-Bromofluorobenzene

Concen: 59.016 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

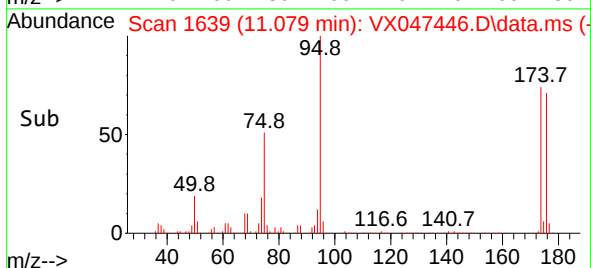
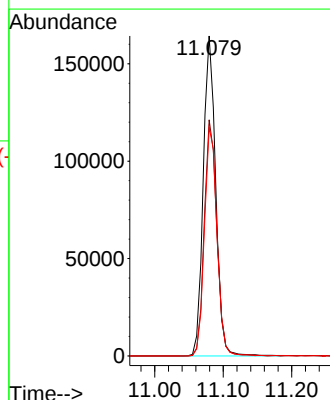
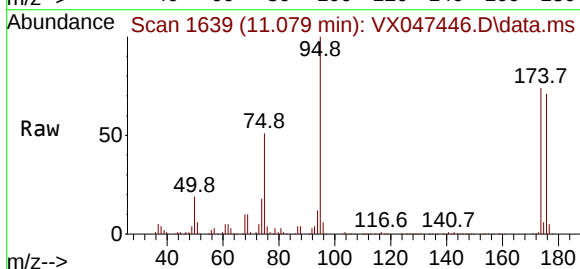
Tgt Ion: 95 Resp: 207607

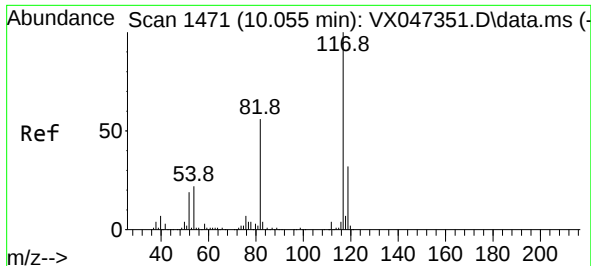
Ion Ratio Lower Upper

95 100

174 74.4 0.0 148.0

176 72.1 0.0 145.4

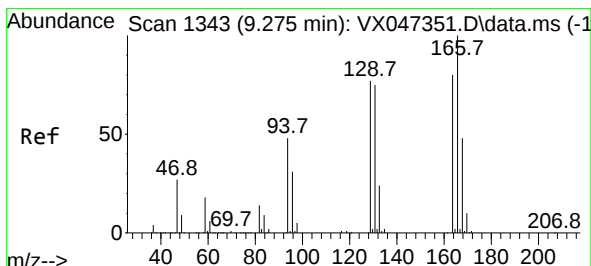
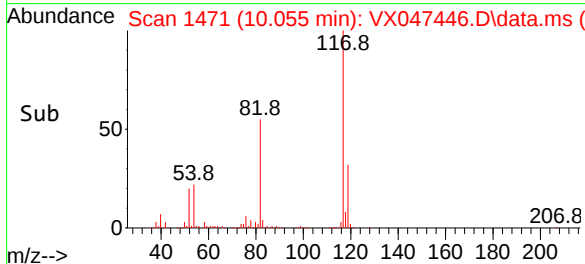
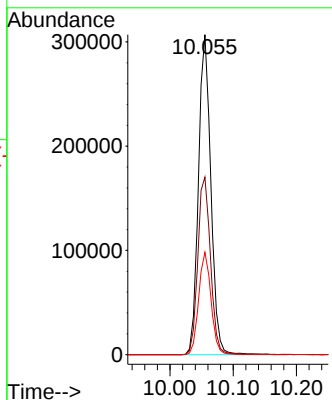
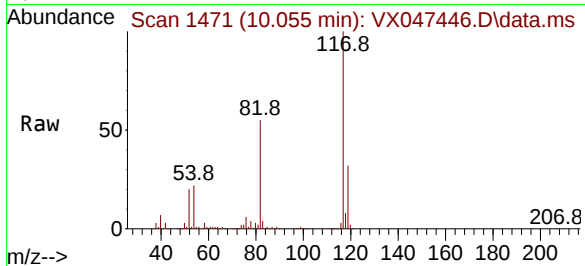




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047446.D
Acq: 20 Aug 2025 16:30

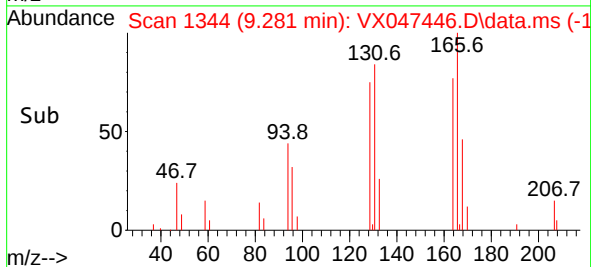
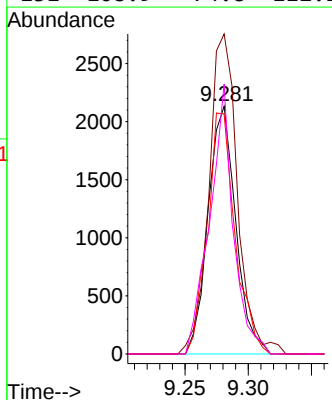
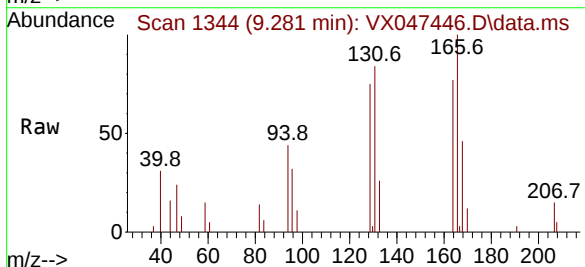
Instrument :
MSVOA_X
ClientSampleId :
MW-17B-081825

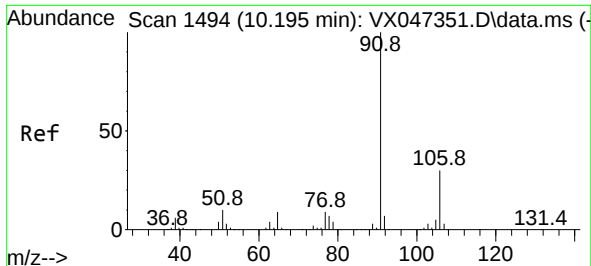
Tgt Ion:117 Resp: 419862
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 32.0 25.8 38.8



#64
Tetrachloroethene
Concen: 1.070 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX047446.D
Acq: 20 Aug 2025 16:30

Tgt Ion:164 Resp: 3248
Ion Ratio Lower Upper
164 100
166 129.2 100.3 150.5
129 96.9 77.7 116.5
131 108.9 74.8 112.2





#67

Ethyl Benzene

Concen: 4.722 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

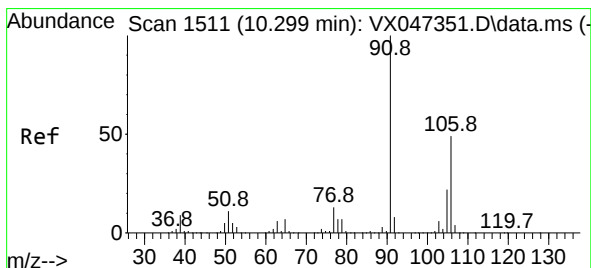
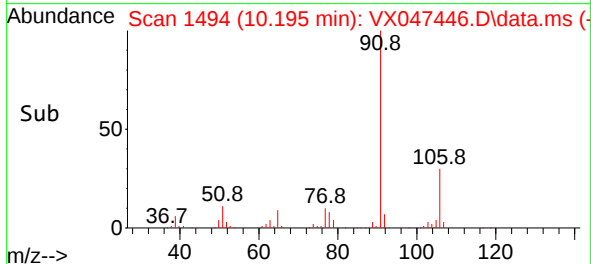
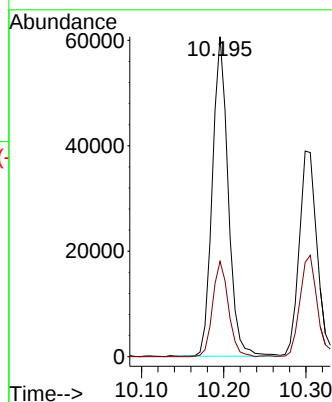
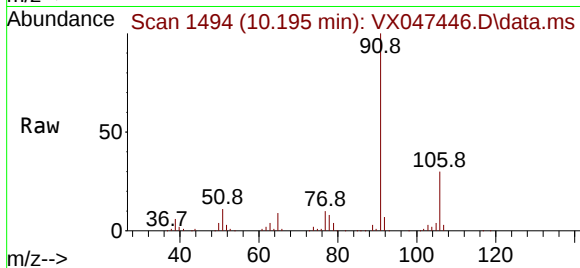
MW-17B-081825

Tgt Ion: 91 Resp: 81095

Ion Ratio Lower Upper

91 100

106 29.8 24.4 36.6



#68

m/p-Xylenes

Concen: 4.391 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX047446.D

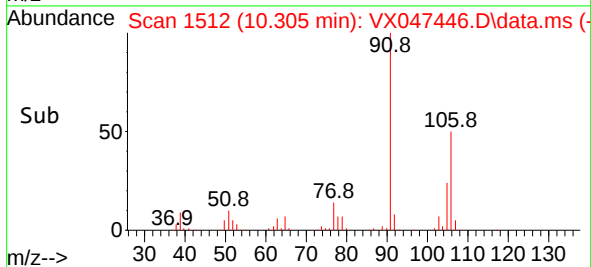
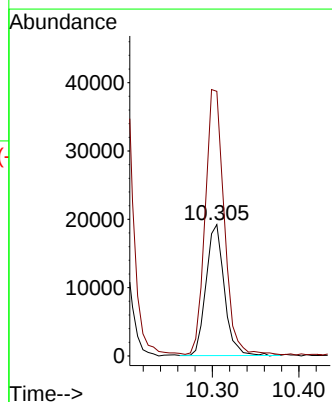
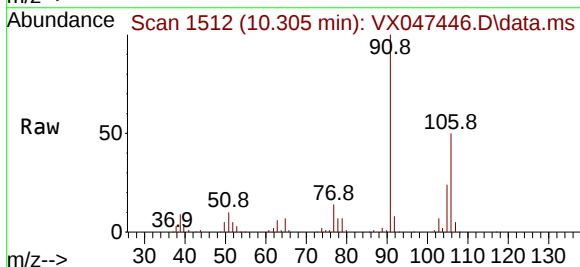
Acq: 20 Aug 2025 16:30

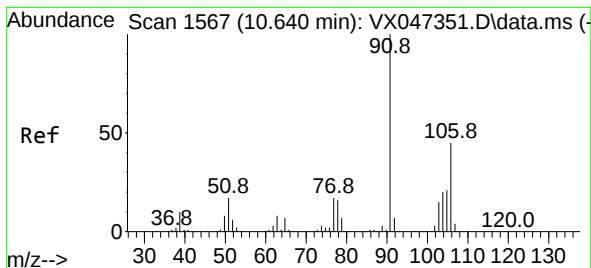
Tgt Ion: 106 Resp: 28115

Ion Ratio Lower Upper

106 100

91 209.6 164.7 247.1





#69

o-Xylene

Concen: 2.165 ug/l

RT: 10.647 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

Instrument :

MSVOA_X

ClientSampleId :

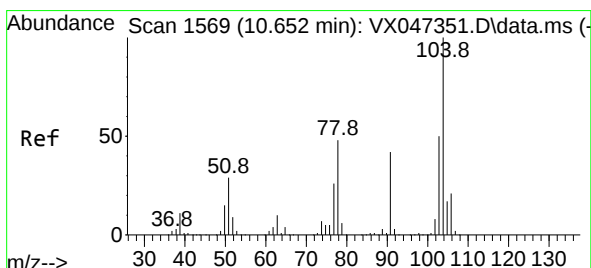
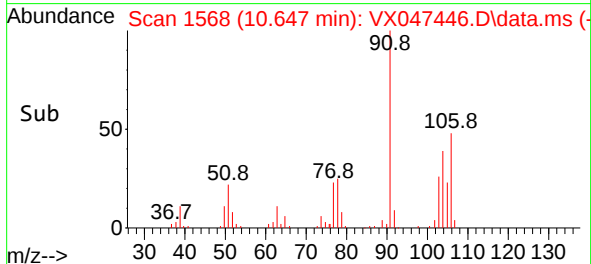
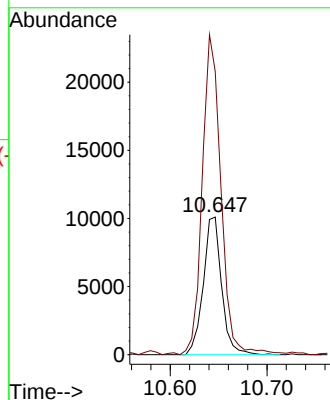
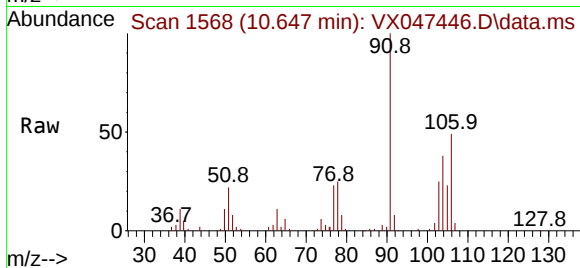
MW-17B-081825

Tgt Ion:106 Resp: 13340

Ion Ratio Lower Upper

106 100

91 232.1 110.6 331.8



#70

Styrene

Concen: 2.785 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX047446.D

Acq: 20 Aug 2025 16:30

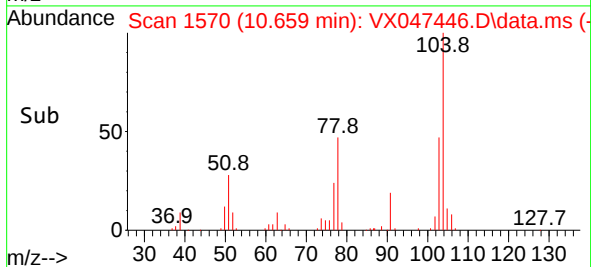
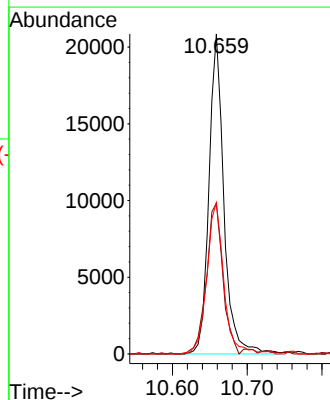
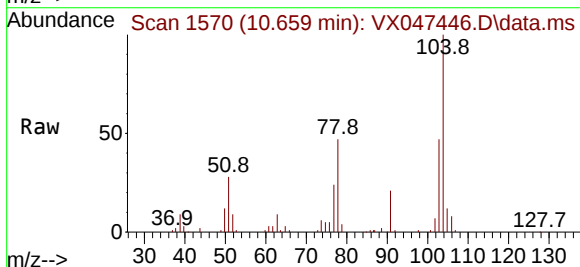
Tgt Ion:104 Resp: 28999

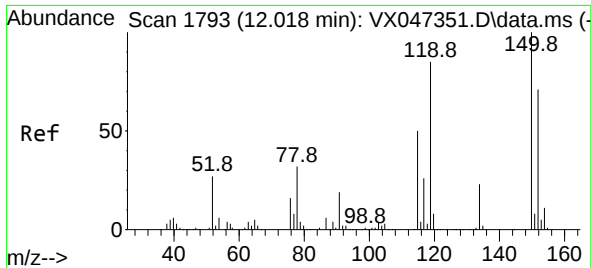
Ion Ratio Lower Upper

104 100

78 51.7 41.8 62.8

103 53.9 43.6 65.4

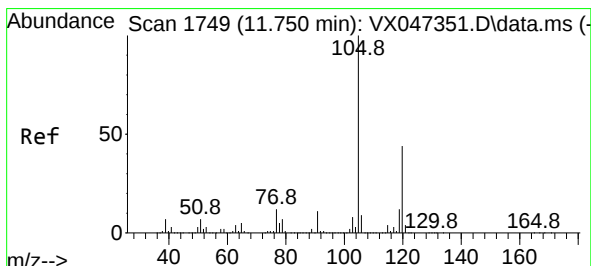
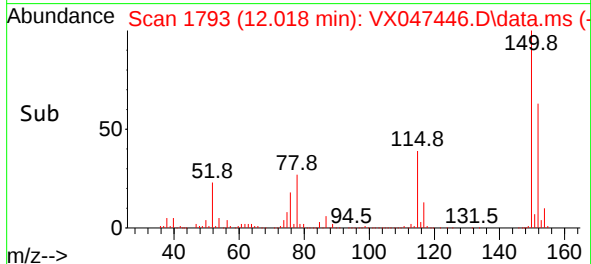
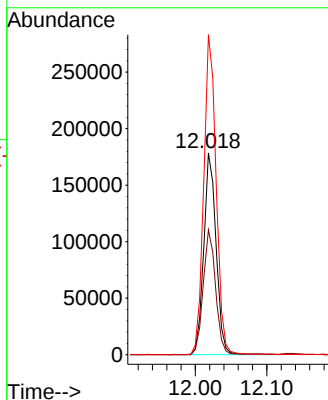
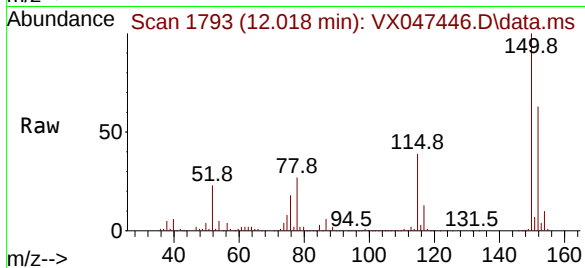




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1793
 Delta R.T. 0.000 min
 Lab File: VX047446.D
 Acq: 20 Aug 2025 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17B-081825

Tgt Ion:152 Resp: 214139
 Ion Ratio Lower Upper
 152 100
 115 62.2 44.6 133.8
 150 159.6 0.0 349.8



#84
 1,2,4-Trimethylbenzene
 Concen: 1.958 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX047446.D
 Acq: 20 Aug 2025 16:30

Tgt Ion:105 Resp: 26999
 Ion Ratio Lower Upper
 105 100
 120 46.3 21.9 65.7

