

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048116.D
 Acq On : 10 Oct 2025 16:35
 Operator : JC/MD
 Sample : Q3311-08DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-101SDL

Quant Time: Oct 10 23:51:25 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)

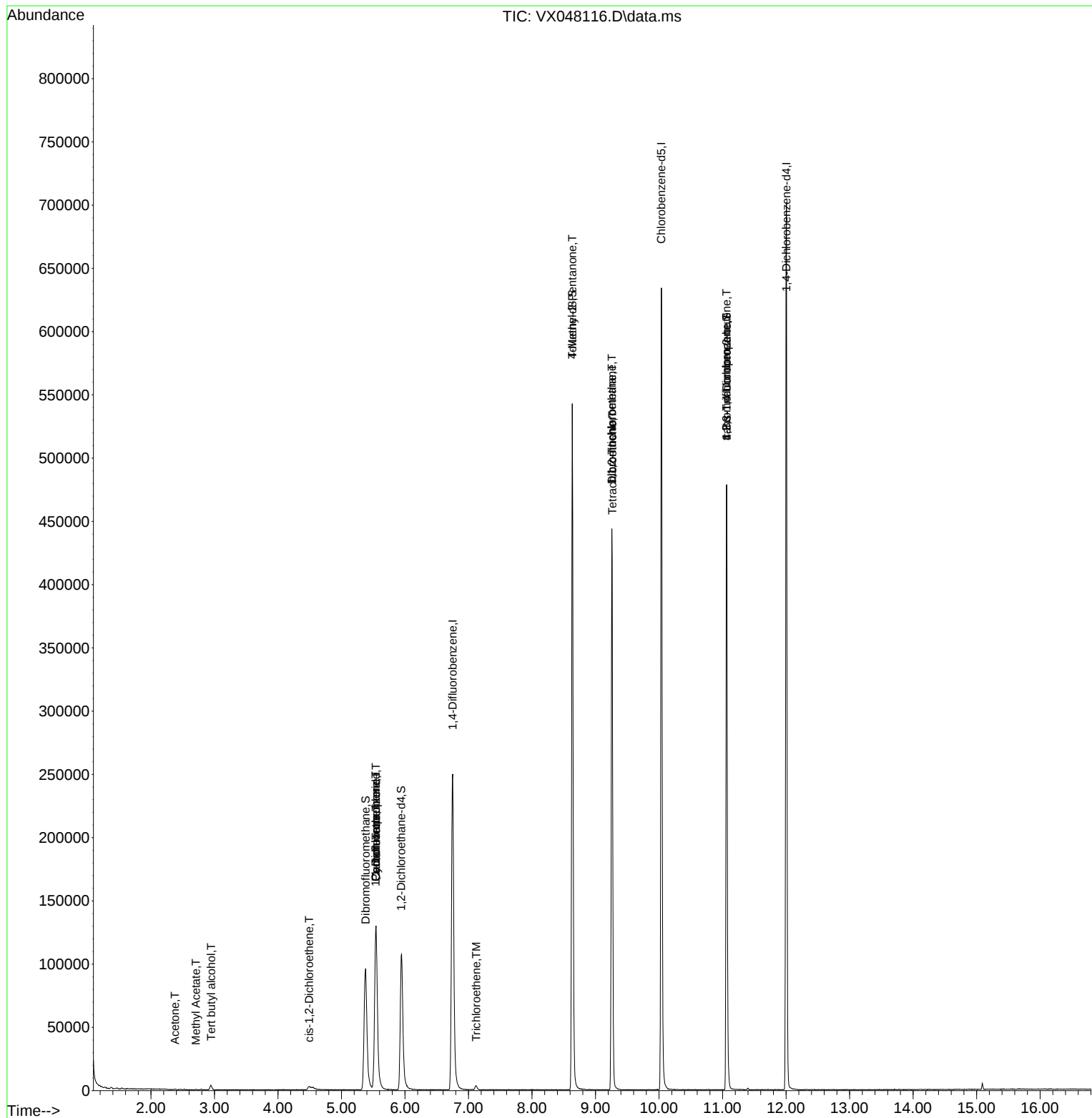
Internal Standards						
1) Pentafluorobenzene	5.544	168	127815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	272296	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	148707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	119213	58.596	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 117.200%#	
35) Dibromofluoromethane	5.379	113	95415	52.249	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.500%	
50) Toluene-d8	8.634	98	316300	50.056	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.120%	
62) 4-Bromofluorobenzene	11.061	95	140471	58.575	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	2110	9.312	ug/l #	72
16) Acetone	2.380	43	441	0.499	ug/l #	45
18) Methyl Acetate	2.709	43	537	0.273	ug/l #	64
27) cis-1,2-Dichloroethene	4.489	96	1752	0.875	ug/l	97
31) Cyclohexane	5.544	56	3085	1.148	ug/l #	6
36) 1,1-Dichloropropene	5.537	75	11209	4.201	ug/l #	50
38) Carbon Tetrachloride	5.544	117	13769	4.749	ug/l #	18
44) Trichloroethene	7.123	130	1538	0.785	ug/l	99
51) 4-Methyl-2-Pentanone	8.634	43	1614	0.621	ug/l #	1
55) 1,1,2-Trichloroethane	9.256	97	864	0.449	ug/l #	19
60) Dibromochloromethane	9.256	129	85112	38.365	ug/l #	11
64) Tetrachloroethene	9.262	164	83873	43.644	ug/l	98
76) 1,2,3-Trichloropropane	11.061	75	75085	24.938	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	75085	63.596	ug/l #	8

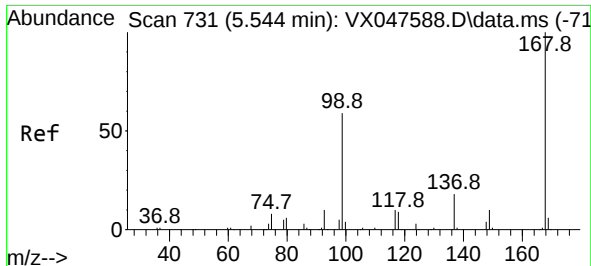
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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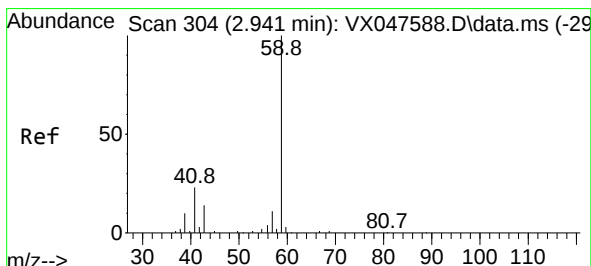
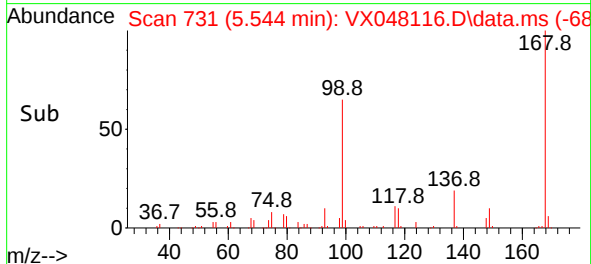
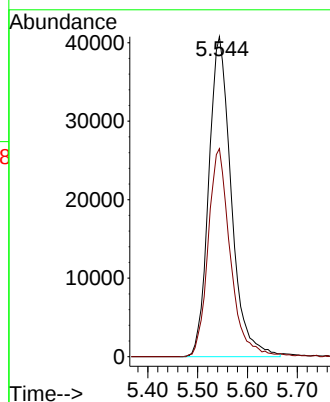
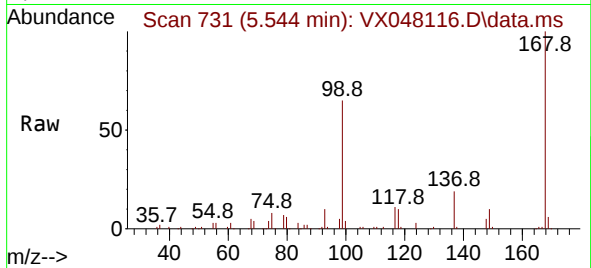




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

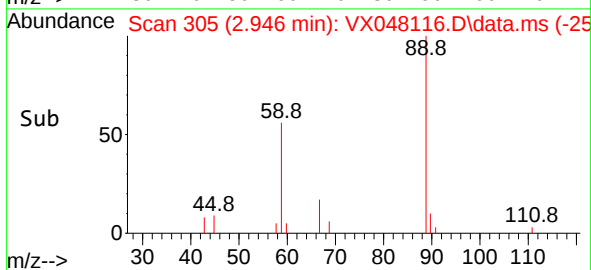
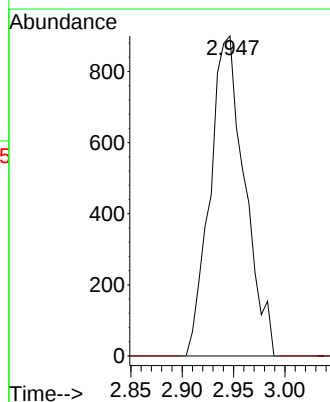
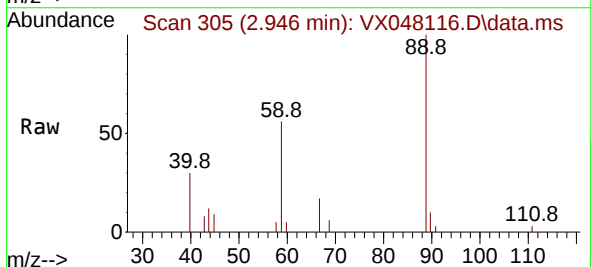
Instrument :
MSVOA_X
ClientSampleId :
MW-101SDL

Tgt Ion:168 Resp: 127815
Ion Ratio Lower Upper
168 100
99 65.0 48.8 73.2



#11
Tert butyl alcohol
Concen: 9.312 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

Tgt Ion: 59 Resp: 2110
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

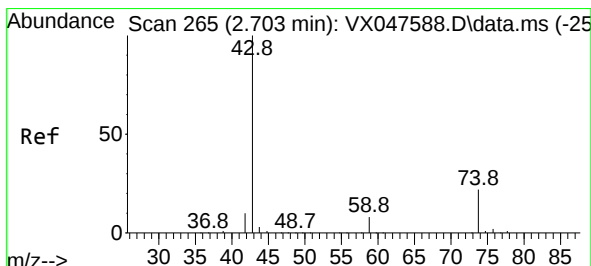
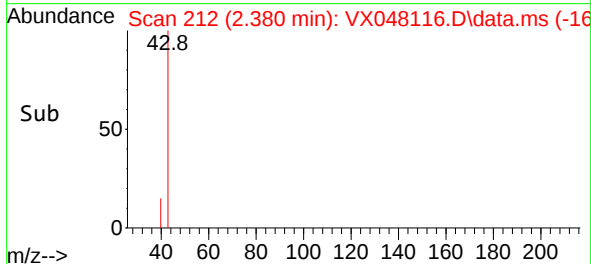
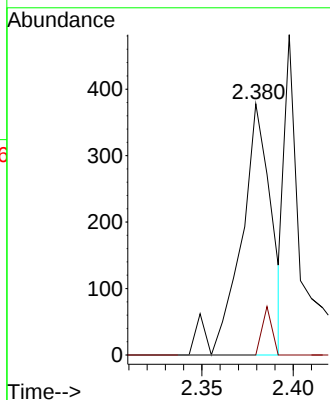
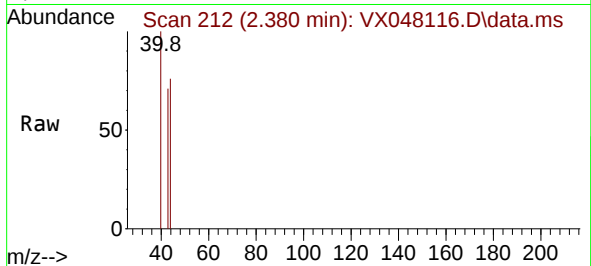




#16
Acetone
Concen: 0.499 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

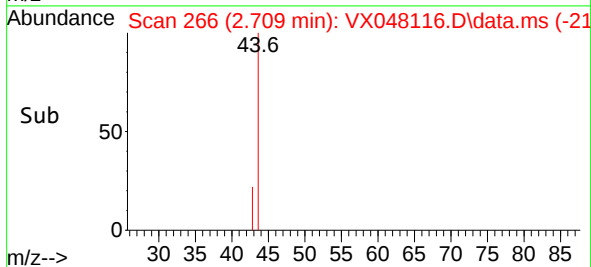
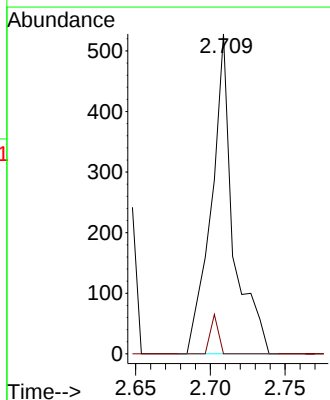
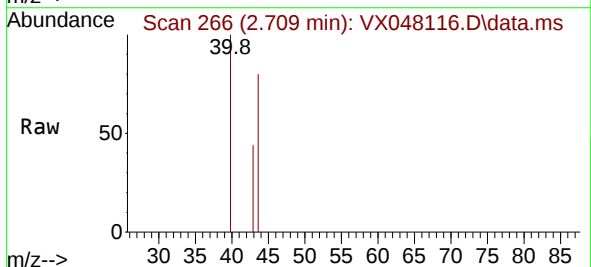
Instrument :
MSVOA_X
ClientSampleId :
MW-101SDL

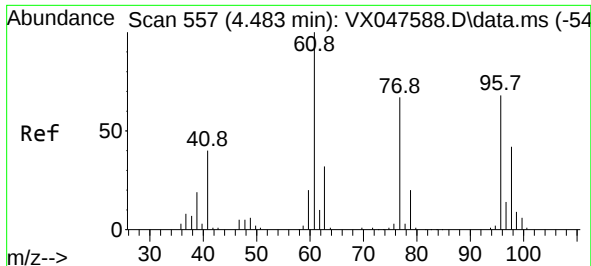
Tgt Ion: 43 Resp: 441
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#



#18
Methyl Acetate
Concen: 0.273 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
74 4.5 17.4 26.2#





#27

cis-1,2-Dichloroethene

Concen: 0.875 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX048116.D

Acq: 10 Oct 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

MW-101SDL

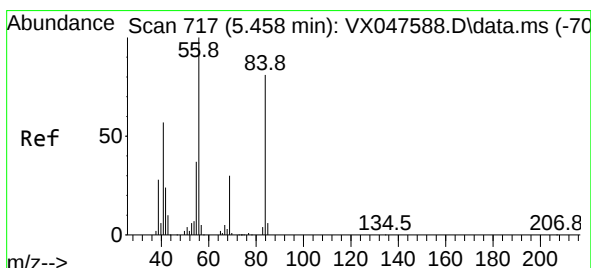
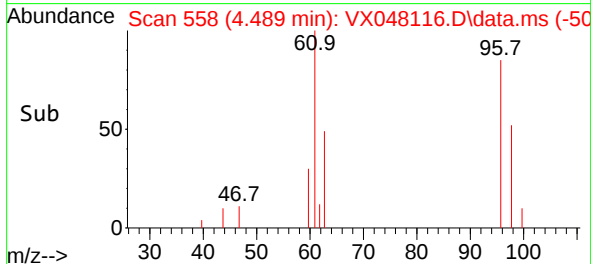
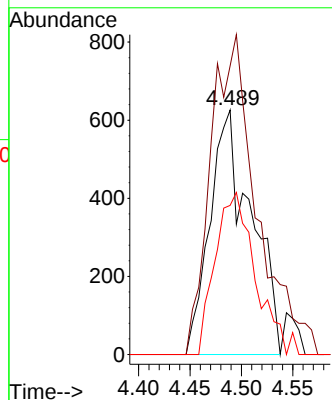
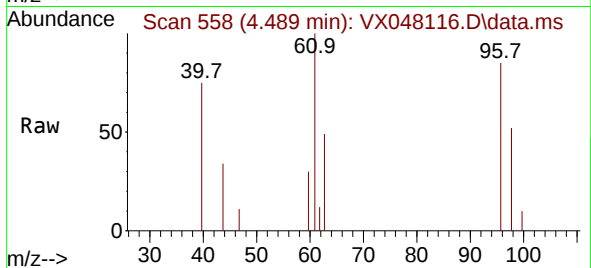
Tgt Ion: 96 Resp: 1752

Ion Ratio Lower Upper

96 100

61 146.6 0.0 303.2

98 64.3 0.0 127.8



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX048116.D

Acq: 10 Oct 2025 16:35

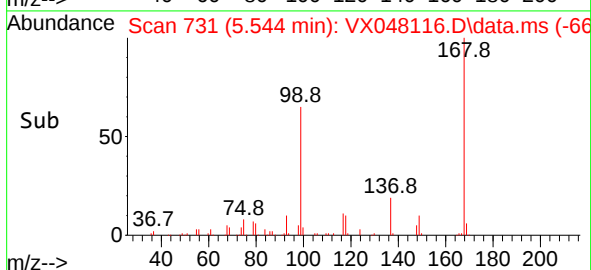
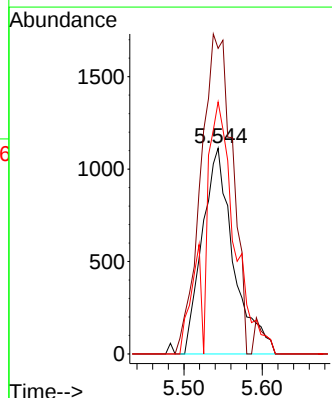
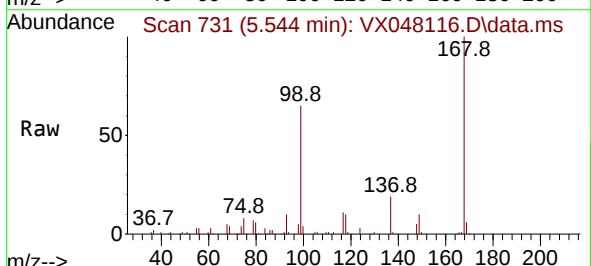
Tgt Ion: 56 Resp: 3085

Ion Ratio Lower Upper

56 100

69 148.5 23.8 35.8#

84 122.5 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 58.596 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048116.D

Acq: 10 Oct 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

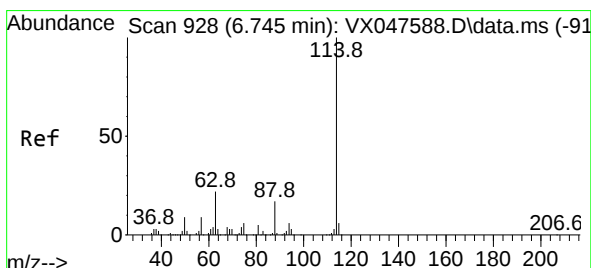
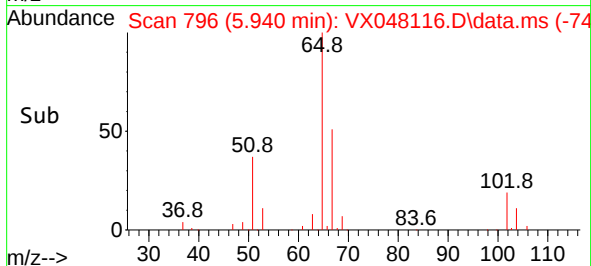
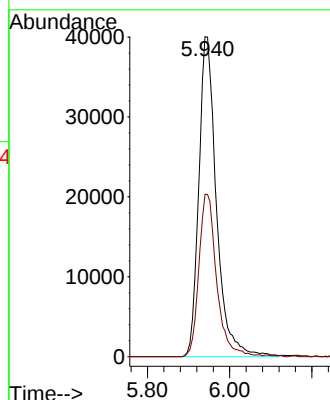
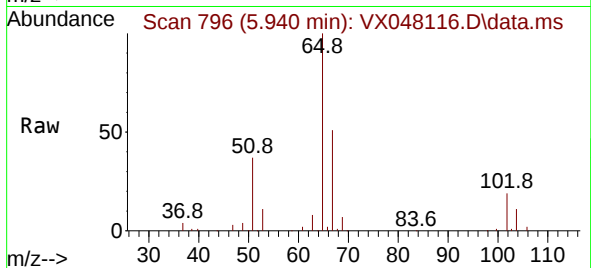
MW-101SDL

Tgt Ion: 65 Resp: 119213

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048116.D

Acq: 10 Oct 2025 16:35

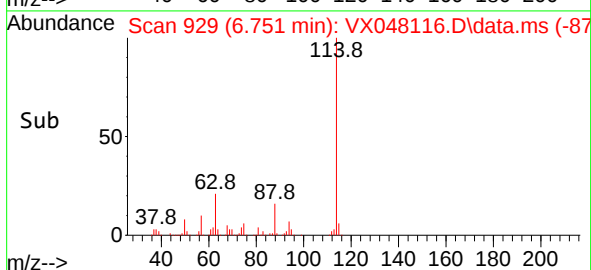
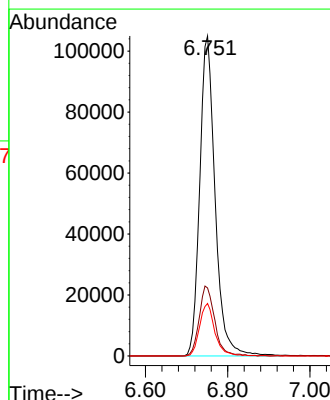
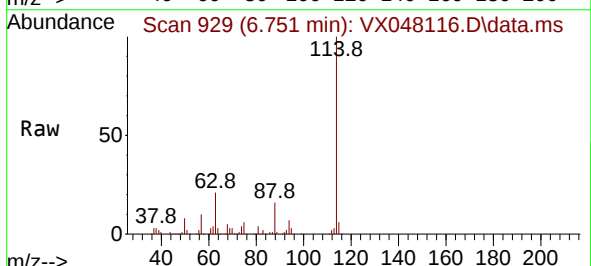
Tgt Ion: 114 Resp: 272296

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 52.249 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048116.D

Acq: 10 Oct 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

MW-101SDL

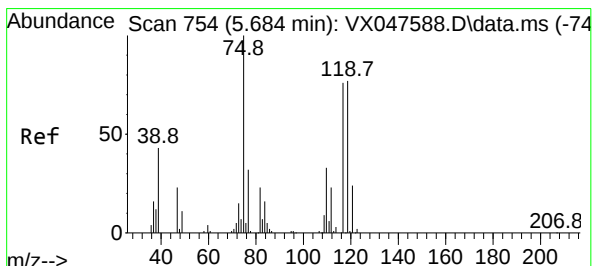
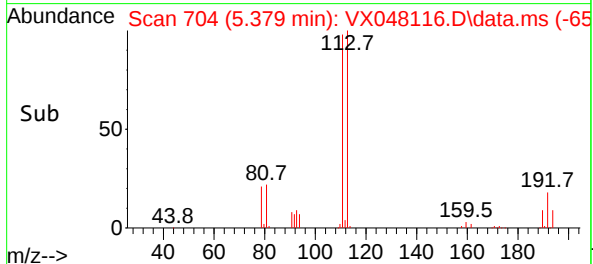
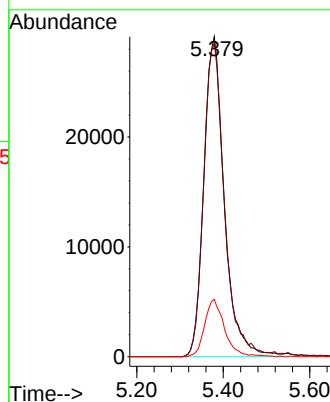
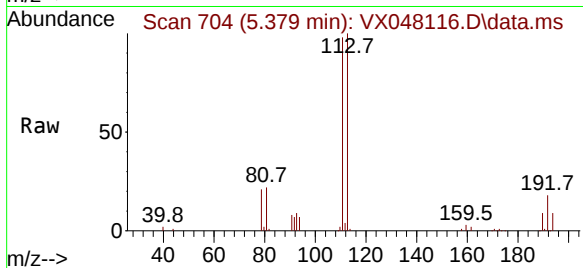
Tgt Ion:113 Resp: 95415

Ion Ratio Lower Upper

113 100

111 100.0 80.9 121.3

192 17.5 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.201 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.147 min

Lab File: VX048116.D

Acq: 10 Oct 2025 16:35

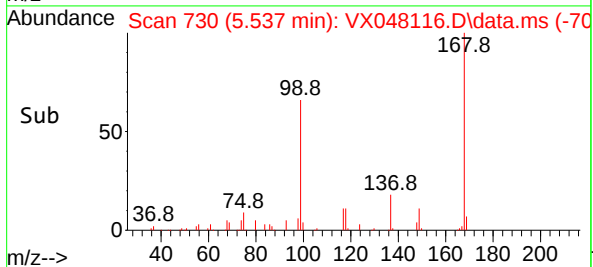
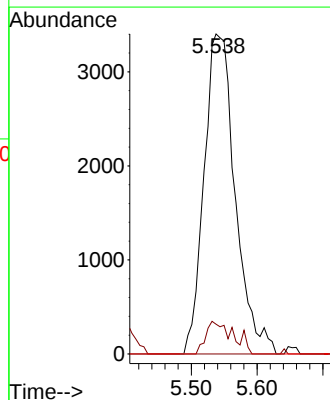
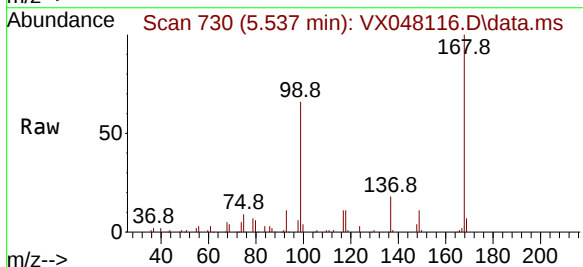
Tgt Ion: 75 Resp: 11209

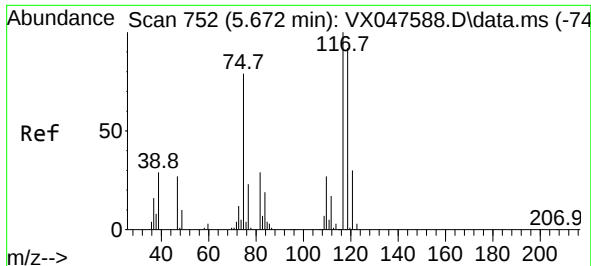
Ion Ratio Lower Upper

75 100

110 7.9 16.7 50.1#

77 0.0 24.3 36.5#

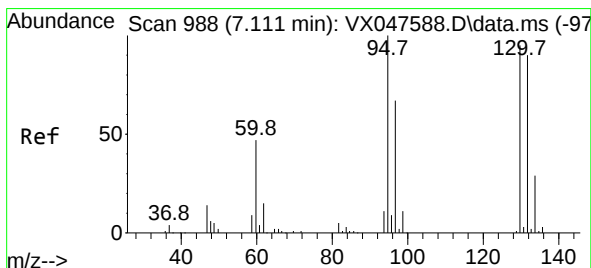
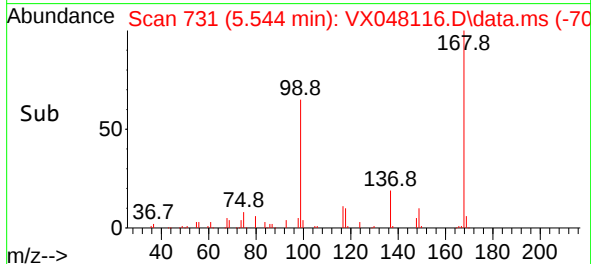
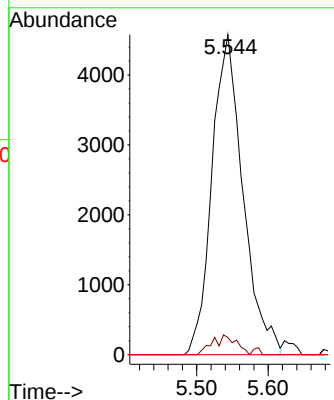
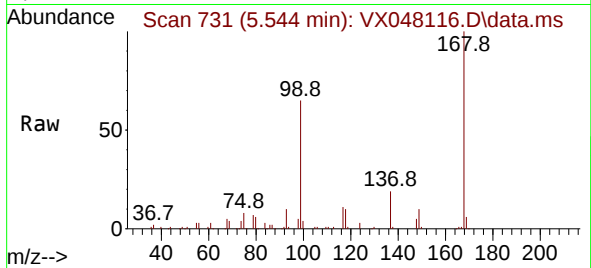




#38
Carbon Tetrachloride
Concen: 4.749 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

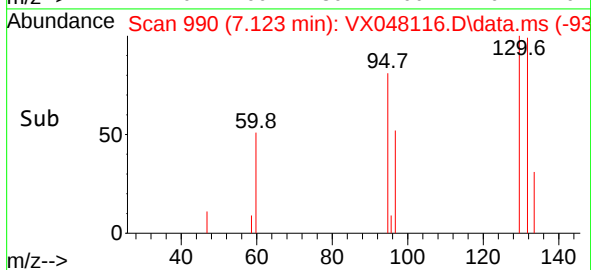
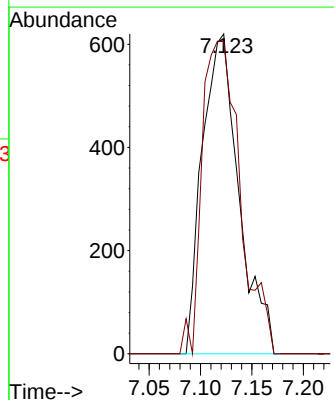
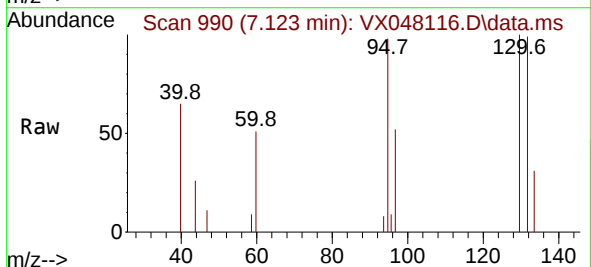
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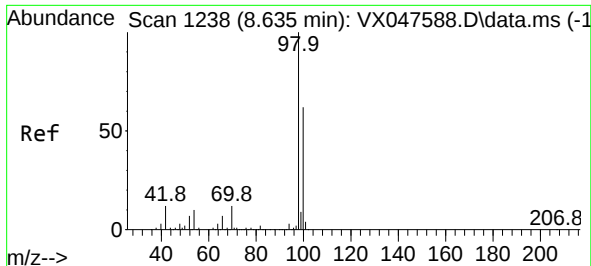
Tgt Ion:117 Resp: 13769
Ion Ratio Lower Upper
117 100
119 5.4 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 0.785 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

Tgt Ion:130 Resp: 1538
Ion Ratio Lower Upper
130 100
95 106.3 0.0 210.8

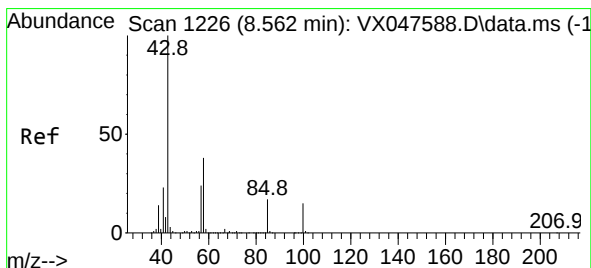
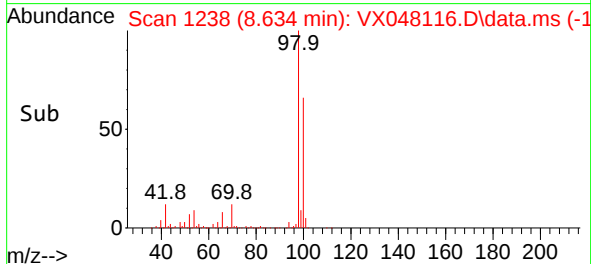
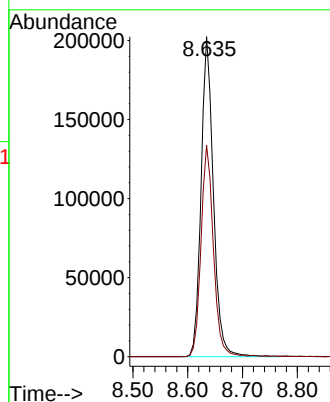
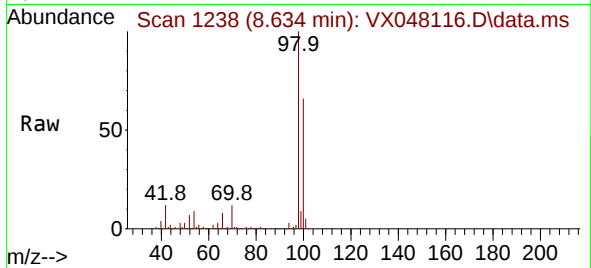




#50
Toluene-d8
Concen: 50.056 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

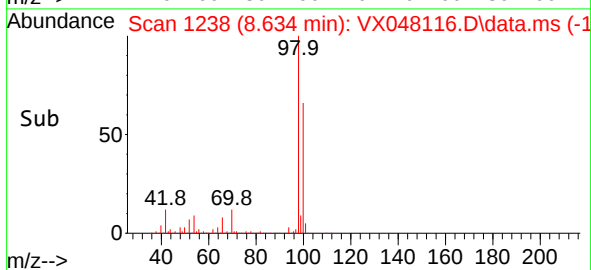
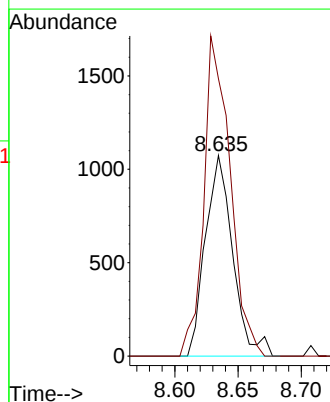
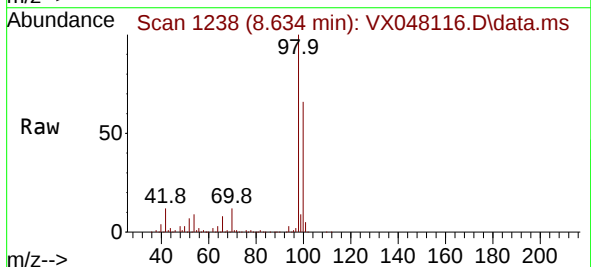
Instrument :
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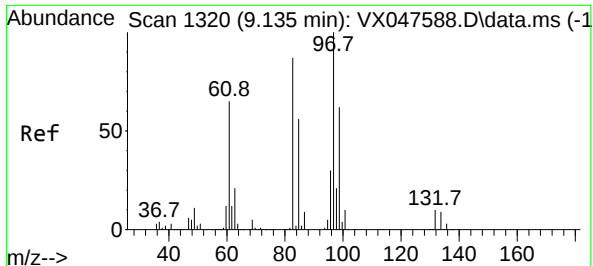
Tgt Ion: 98 Resp: 316300
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.621 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

Tgt Ion: 43 Resp: 1614
Ion Ratio Lower Upper
43 100
58 153.8 30.3 45.5#



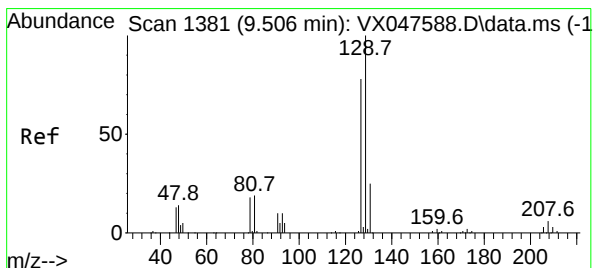
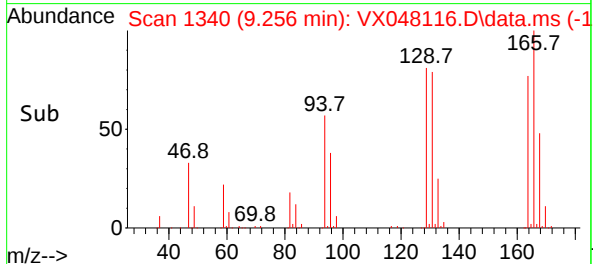
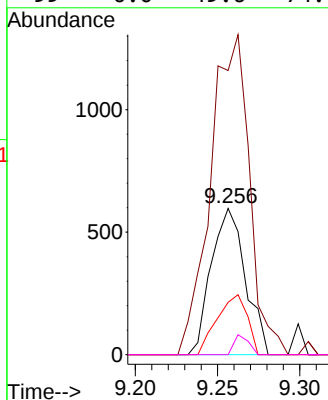
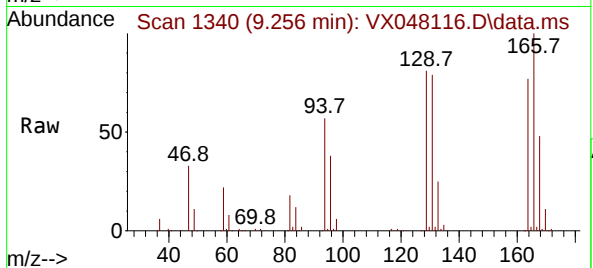


#55
1,1,2-Trichloroethane
Concen: 0.449 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.122 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
MW-101SDL

Tgt Ion: 97 Resp: 864

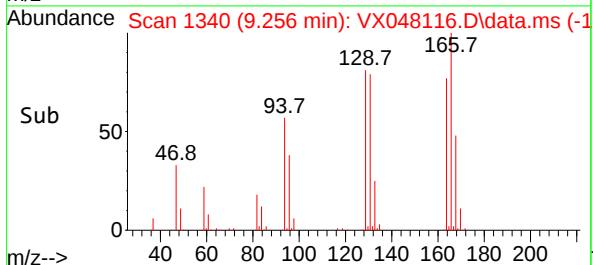
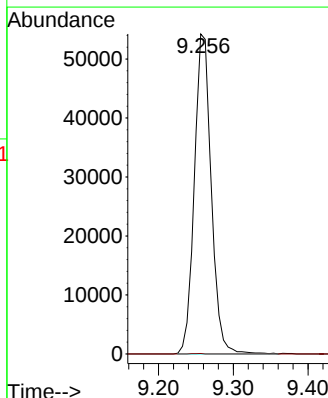
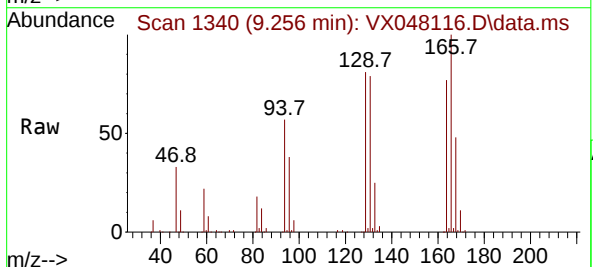
Ion	Ratio	Lower	Upper
97	100		
83	194.3	69.6	104.4#
85	35.8	45.0	67.6#
99	0.0	49.6	74.4#

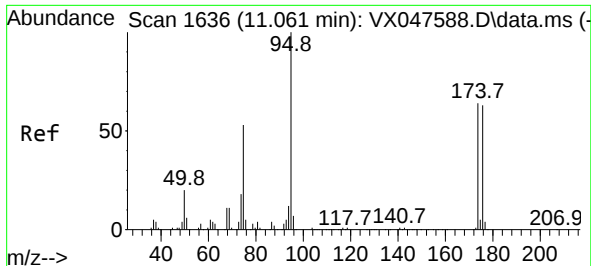


#60
Dibromochloromethane
Concen: 38.365 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

Tgt Ion: 129 Resp: 85112

Ion	Ratio	Lower	Upper
129	100		
127	0.1	38.4	115.2#

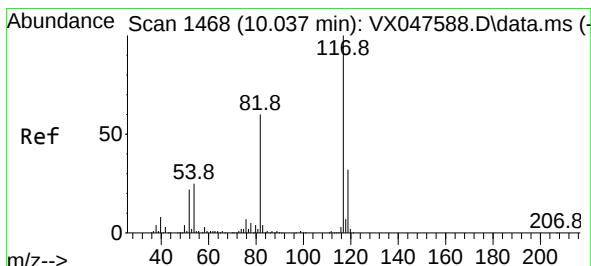
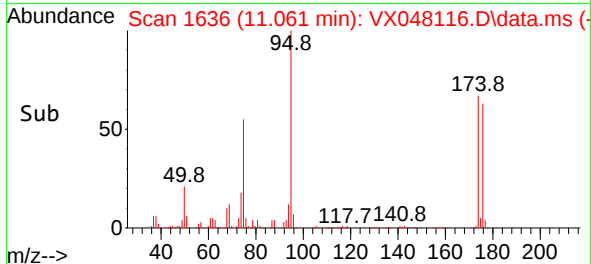
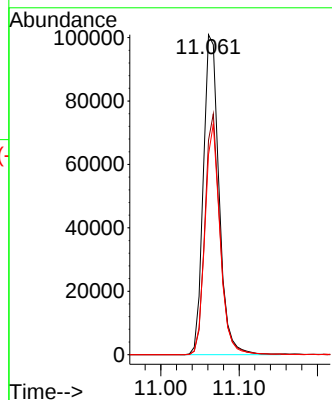
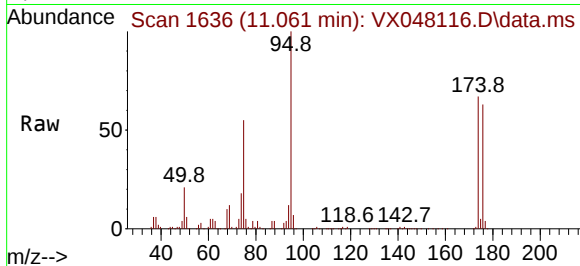




#62
4-Bromofluorobenzene
Concen: 58.575 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

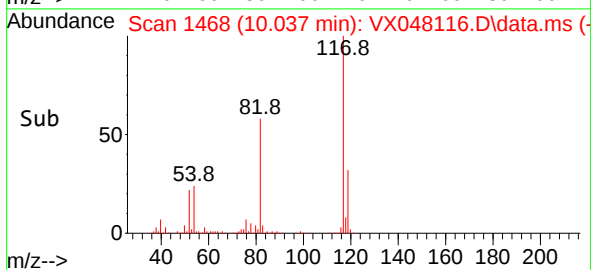
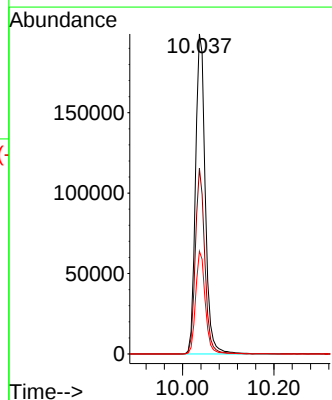
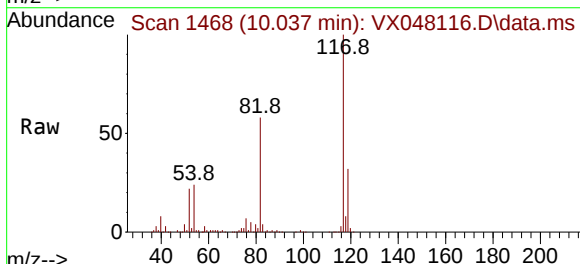
Instrument :
MSVOA_X
ClientSampleId :
MW-101SDL

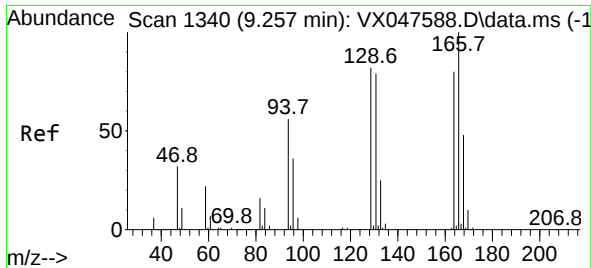
Tgt Ion: 95 Resp: 140471
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.6
176 69.6 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

Tgt Ion: 117 Resp: 294793
Ion Ratio Lower Upper
117 100
82 58.0 47.8 71.6
119 32.1 25.2 37.8

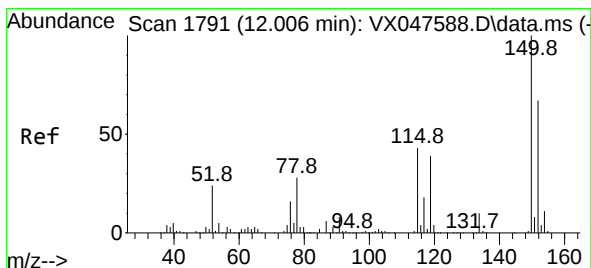
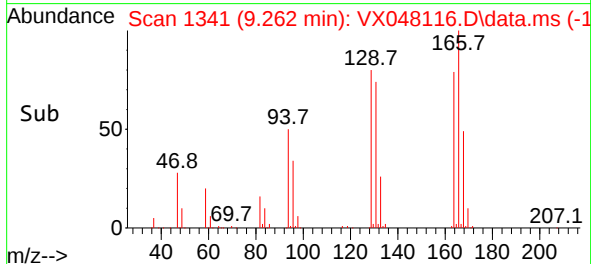
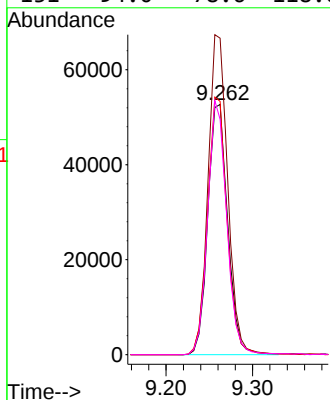
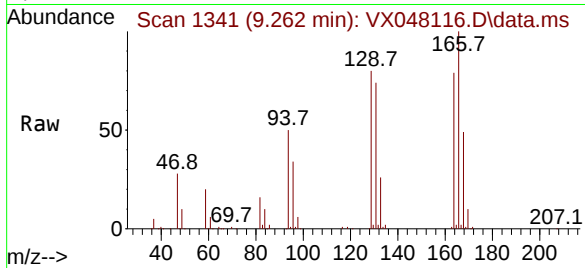




#64
Tetrachloroethene
Concen: 43.644 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

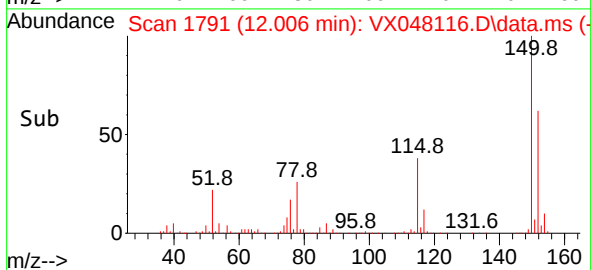
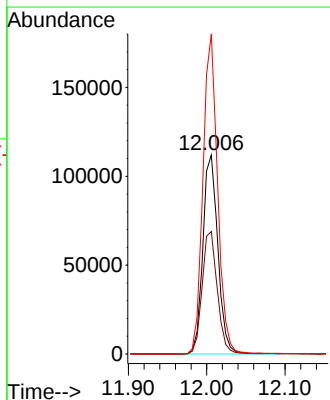
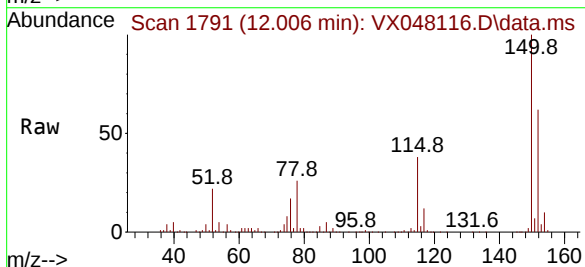
Instrument :
MSVOA_X
ClientSampleId :
MW-101SDL

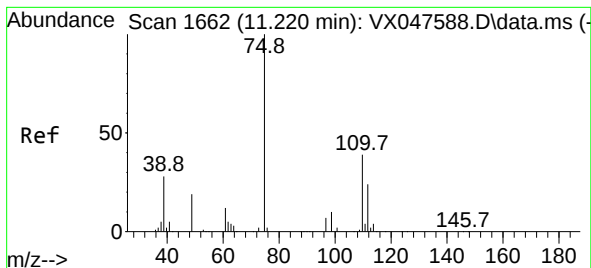
Tgt Ion:164 Resp: 83873
Ion Ratio Lower Upper
164 100
166 126.5 100.2 150.2
129 101.2 81.8 122.6
131 94.0 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048116.D
Acq: 10 Oct 2025 16:35

Tgt Ion:152 Resp: 148707
Ion Ratio Lower Upper
152 100
115 62.2 44.9 134.5
150 156.8 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 24.938 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048116.D

Acq: 10 Oct 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

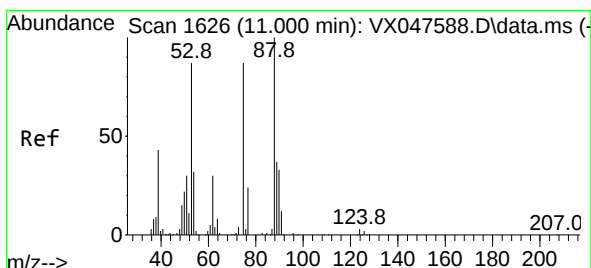
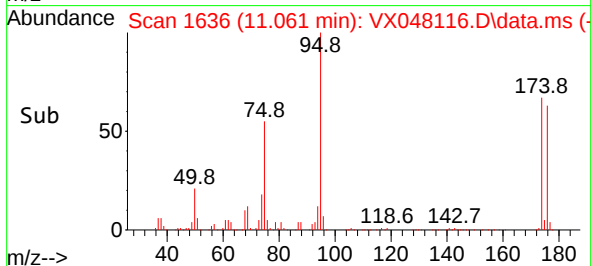
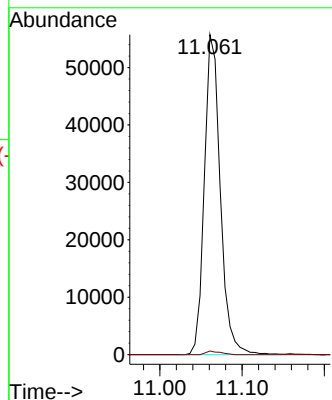
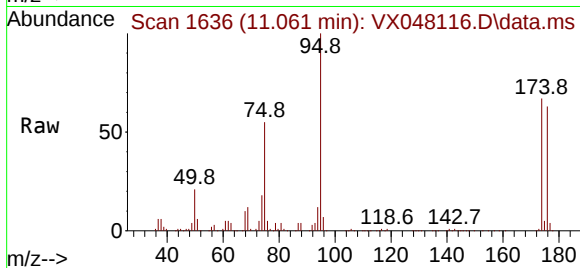
MW-101SDL

Tgt Ion: 75 Resp: 75085

Ion Ratio Lower Upper

75 100

77 1.0 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.596 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048116.D

Acq: 10 Oct 2025 16:35

Tgt Ion: 75 Resp: 75085

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#

