

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047497.D
 Acq On : 22 Aug 2025 15:01
 Operator : JC/MD
 Sample : Q2903-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16B-081925

Quant Time: Aug 25 01:29:02 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)

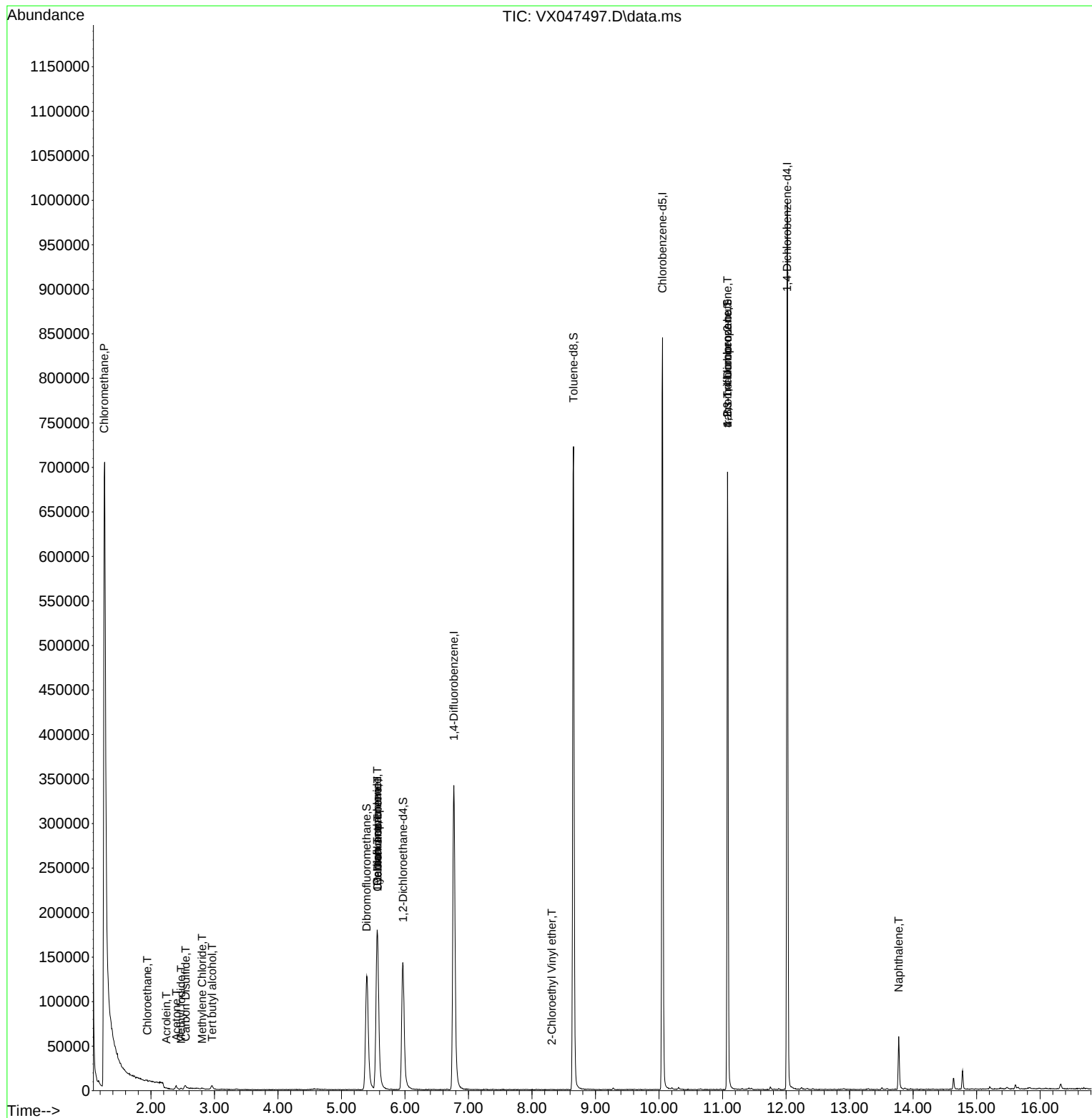
Internal Standards						
1) Pentafluorobenzene	5.562	168	181722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	373576	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	382152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	203331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	151317	59.497	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 119.000%#	
35) Dibromofluoromethane	5.397	113	124041	51.161	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.320%	
50) Toluene-d8	8.653	98	431839	49.832	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	11.079	95	188045	58.802	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.600%	
Target Compounds						Qvalue
3) Chloromethane	1.264	50	30862	14.809	ug/l #	41
6) Chloroethane	1.941	64	951	0.594	ug/l #	55
10) Methyl Iodide	2.477	142	1787	0.465	ug/l #	89
11) Tert butyl alcohol	2.965	59	2359	10.662	ug/l #	72
13) Acrolein	2.239	56	142	0.304	ug/l #	15
16) Acetone	2.398	43	4702	4.919	ug/l	98
17) Carbon Disulfide	2.544	76	5460	0.791	ug/l	99
20) Methylene Chloride	2.806	84	515	0.203	ug/l #	78
31) Cyclohexane	5.568	56	3958	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.568	75	15226	3.978	ug/l #	51
38) Carbon Tetrachloride	5.562	117	19343	4.625	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.311	63	22	8.367	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	97557	26.159	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	97557	103.689	ug/l #	7
95) Naphthalene	13.774	128	40308	2.986	ug/l	98

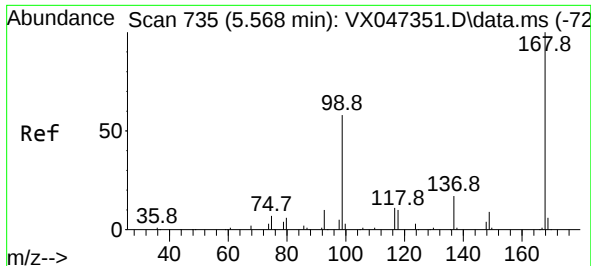
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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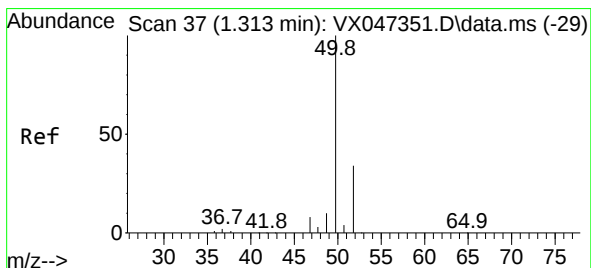
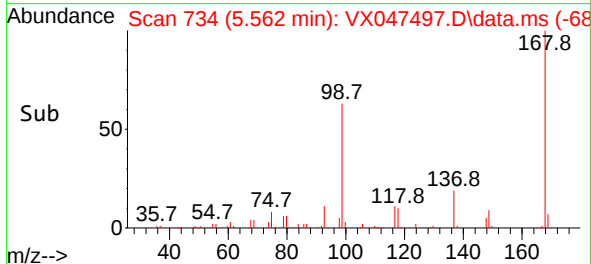
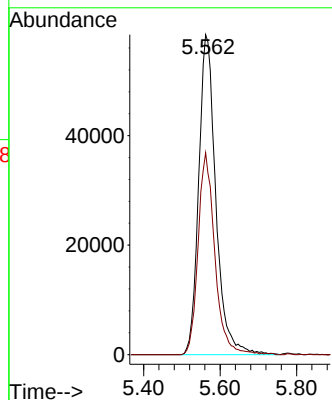
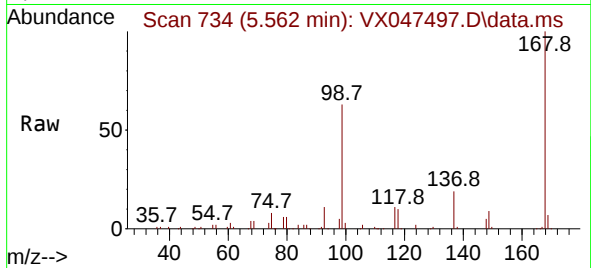




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

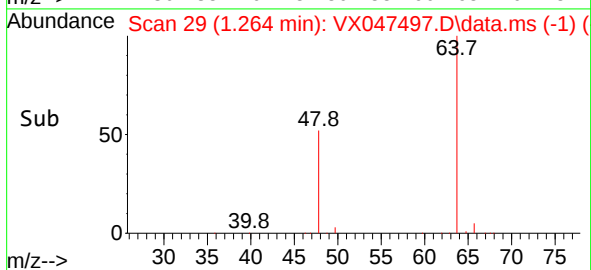
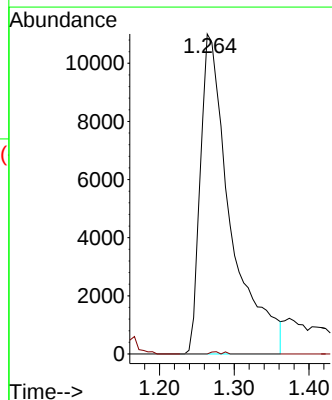
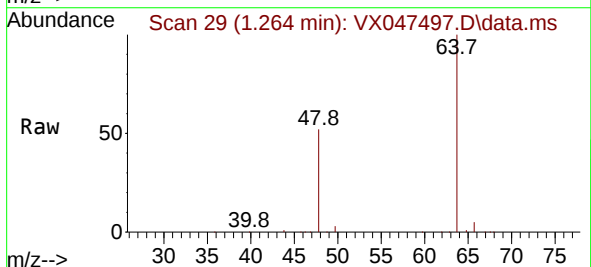
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

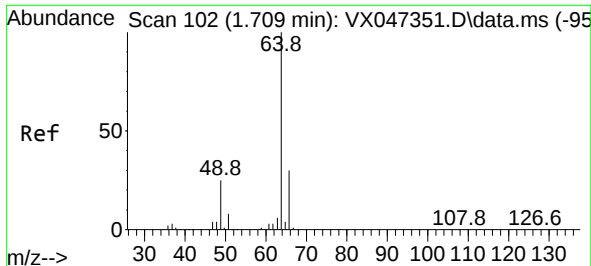
Tgt Ion:168 Resp: 181722
Ion Ratio Lower Upper
168 100
99 63.1 47.9 71.9



#3
Chloromethane
Concen: 14.809 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.049 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 50 Resp: 30862
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4

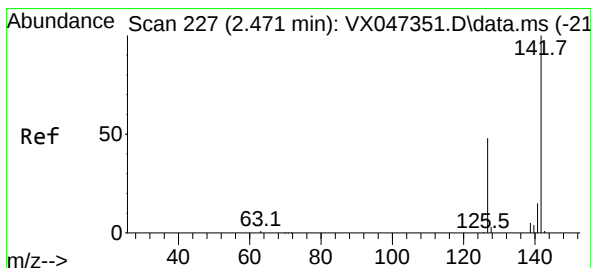
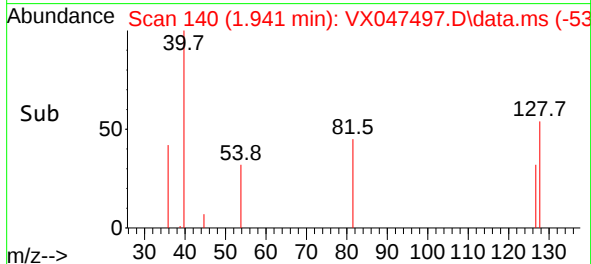
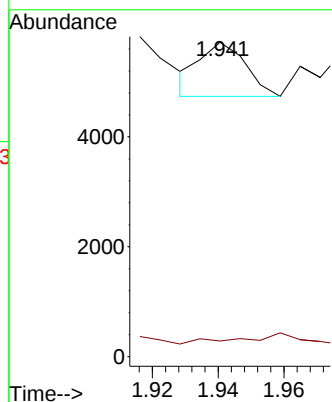
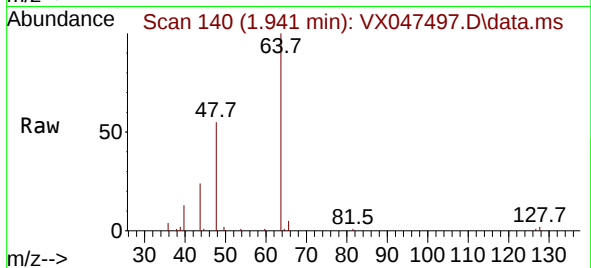




#6
Chloroethane
Concen: 0.594 ug/l
RT: 1.941 min Scan# 14
Delta R.T. 0.232 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

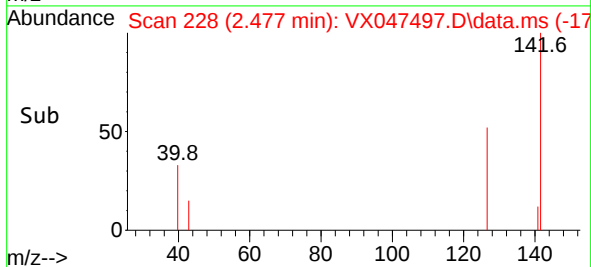
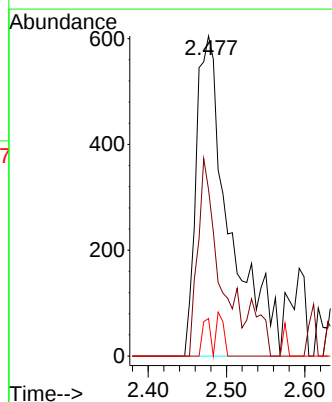
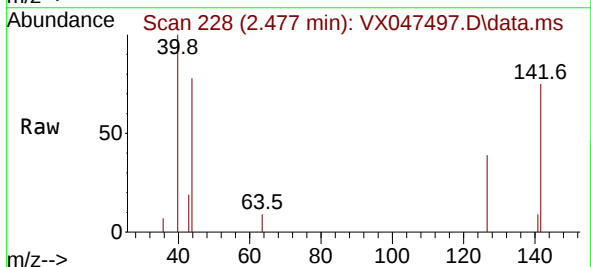
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

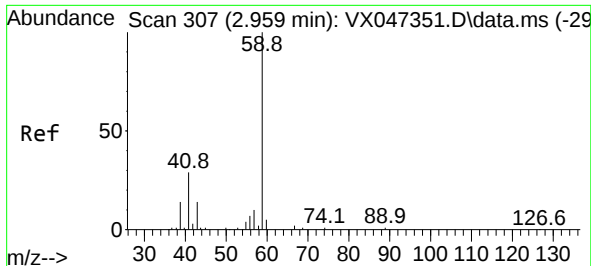
Tgt Ion: 64 Resp: 951
Ion Ratio Lower Upper
64 100
66 5.7 24.4 36.6#



#10
Methyl Iodide
Concen: 0.465 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion:142 Resp: 1787
Ion Ratio Lower Upper
142 100
127 40.8 36.1 54.1
141 2.8 11.1 16.7#

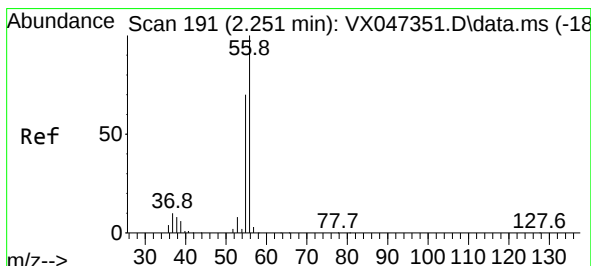
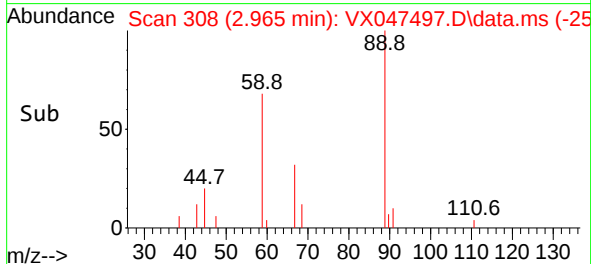
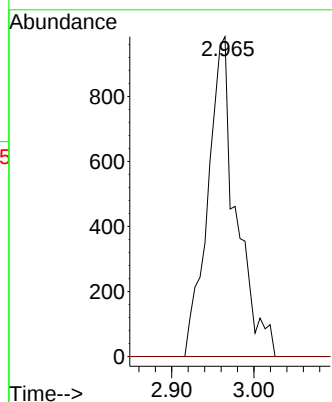
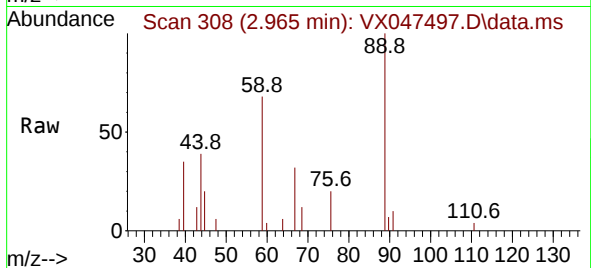




#11
Tert butyl alcohol
Concen: 10.662 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

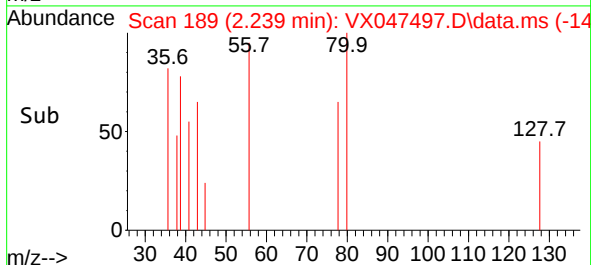
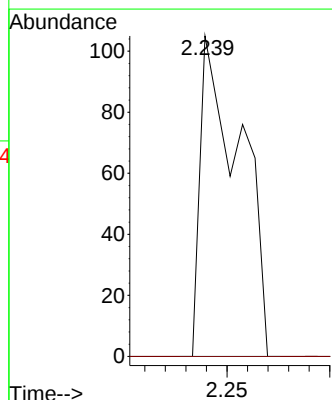
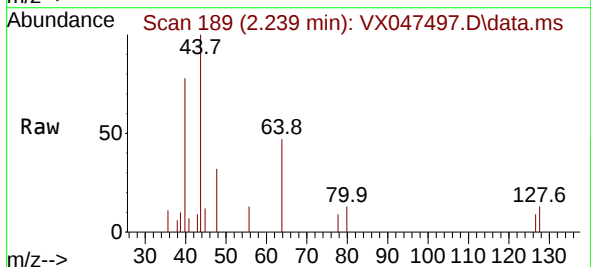
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

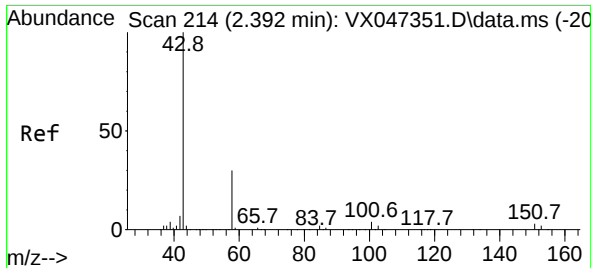
Tgt Ion: 59 Resp: 2359
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.304 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.012 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#

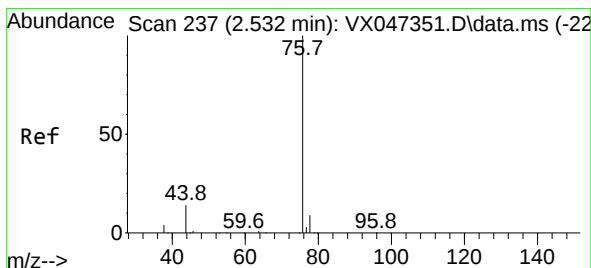
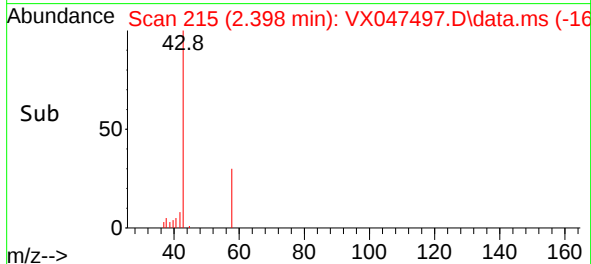
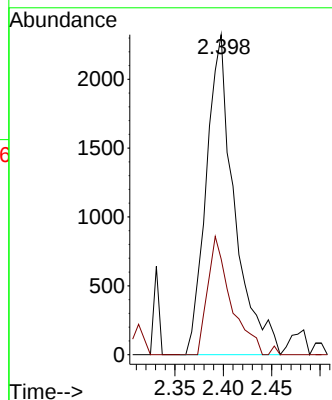
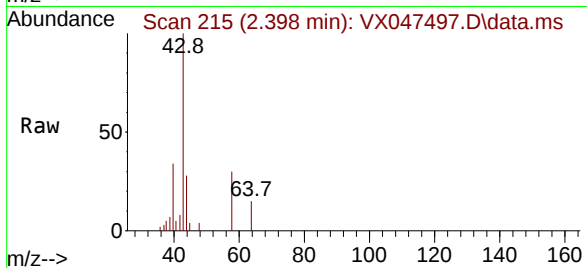




#16
Acetone
Concen: 4.919 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

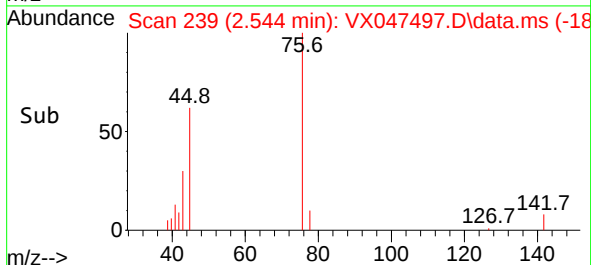
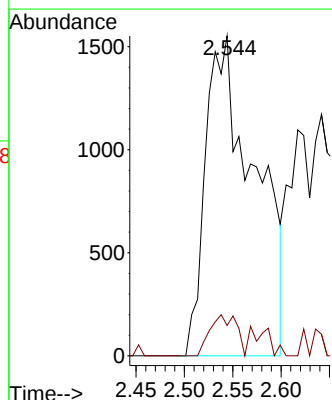
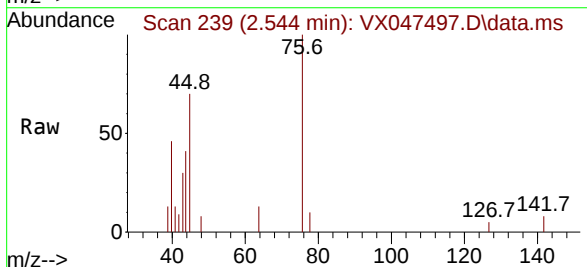
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

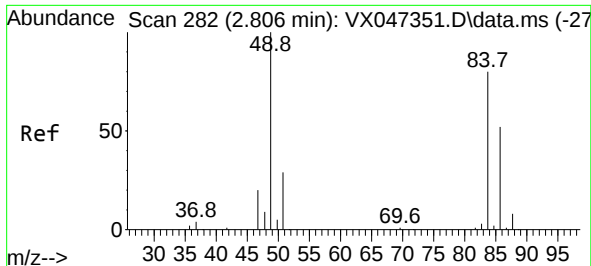
Tgt Ion: 43 Resp: 4702
Ion Ratio Lower Upper
43 100
58 29.9 24.8 37.2



#17
Carbon Disulfide
Concen: 0.791 ug/l
RT: 2.544 min Scan# 239
Delta R.T. 0.012 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 76 Resp: 5460
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

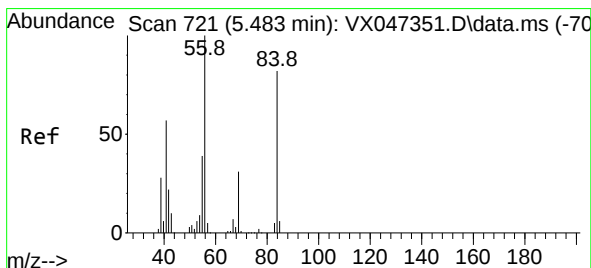
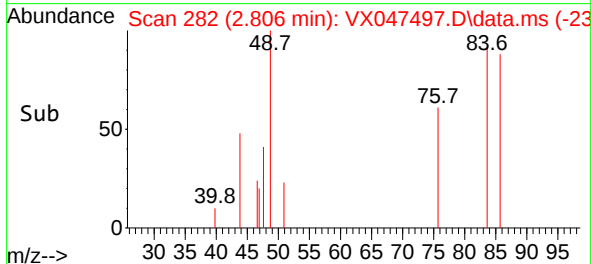
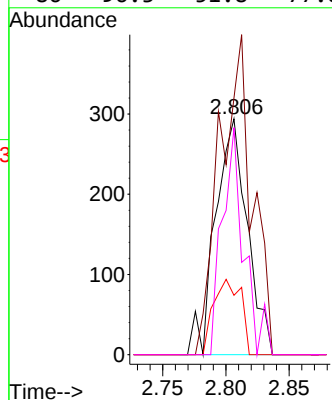
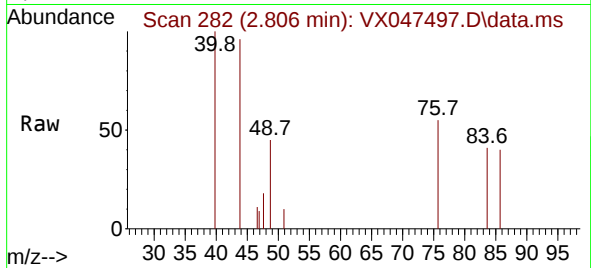




#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

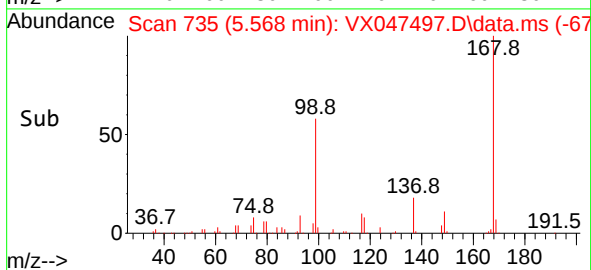
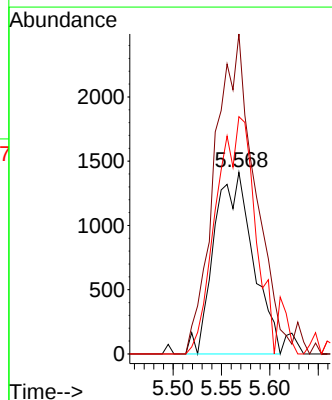
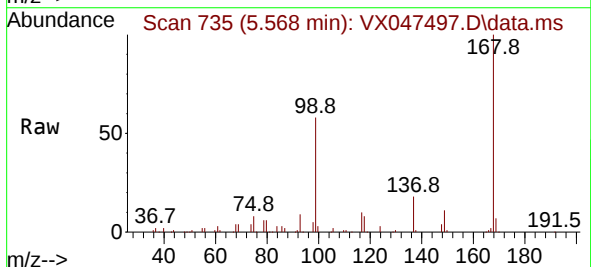
Instrument :
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ClientSampleId :
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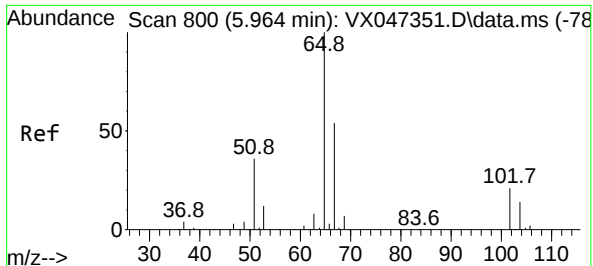
Tgt Ion:	84	Resp:	515
Ion	Ratio	Lower	Upper
84	100		
49	108.8	100.1	150.1
51	25.2	29.5	44.3#
86	96.3	51.8	77.8#



#31
Cyclohexane
Concen: 0.967 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.085 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion:	56	Resp:	3958
Ion	Ratio	Lower	Upper
56	100		
69	176.2	24.3	36.5#
84	130.6	65.3	97.9#





#33

1,2-Dichloroethane-d4

Concen: 59.497 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047497.D

Acq: 22 Aug 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

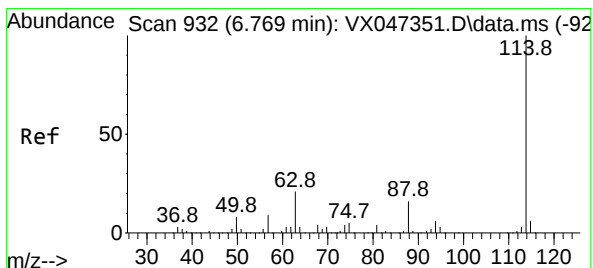
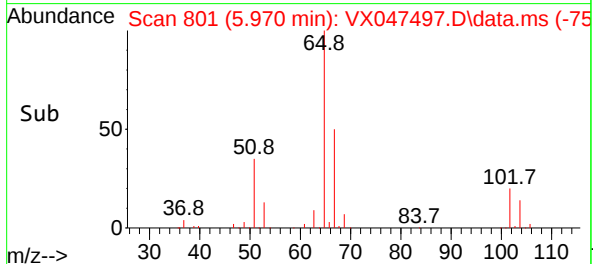
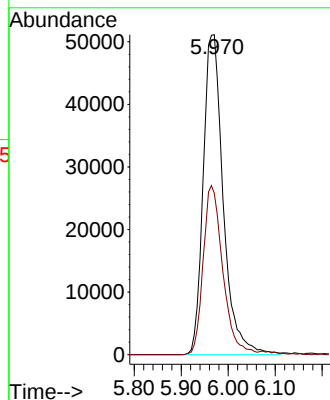
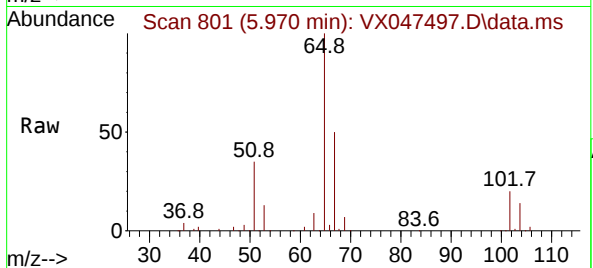
MW-16B-081925

Tgt Ion: 65 Resp: 151317

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# 932

Delta R.T. 0.000 min

Lab File: VX047497.D

Acq: 22 Aug 2025 15:01

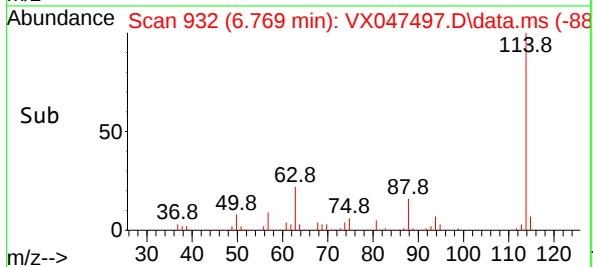
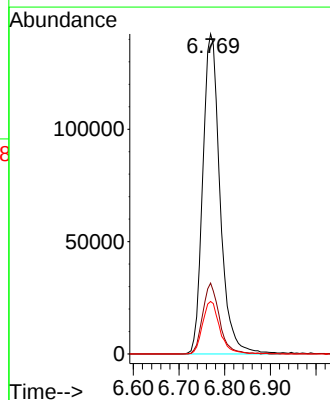
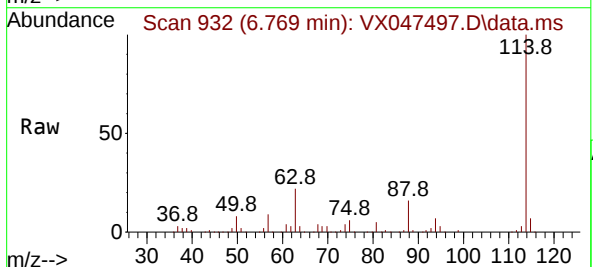
Tgt Ion: 114 Resp: 373576

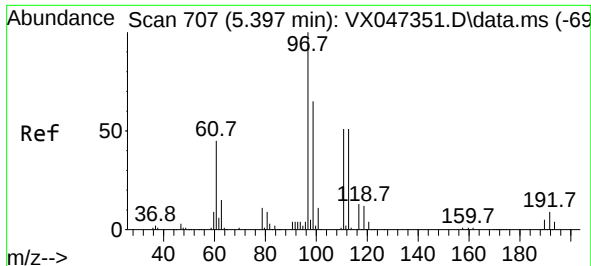
Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.4

88 16.4 0.0 33.0

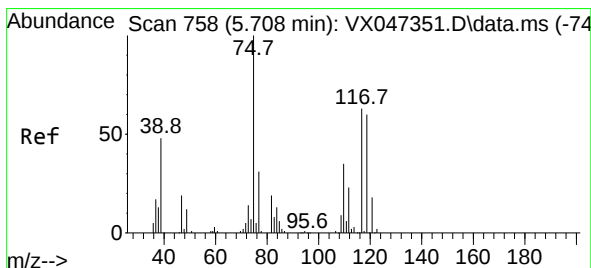
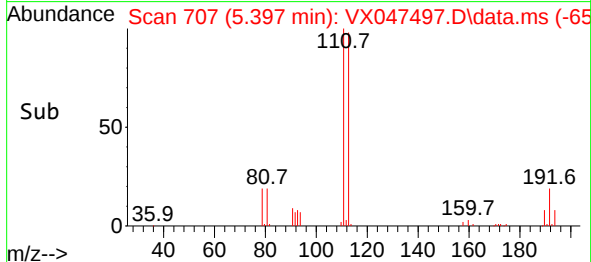
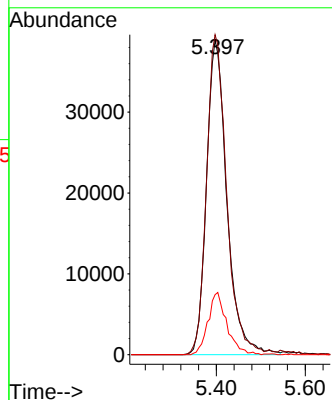
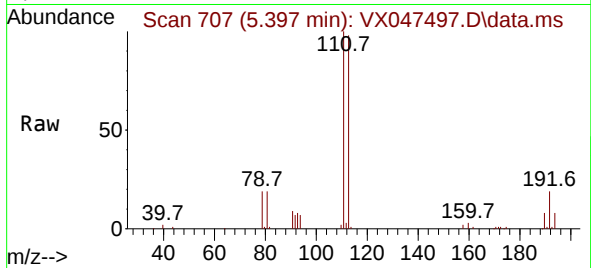




#35
Dibromofluoromethane
Concen: 51.161 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

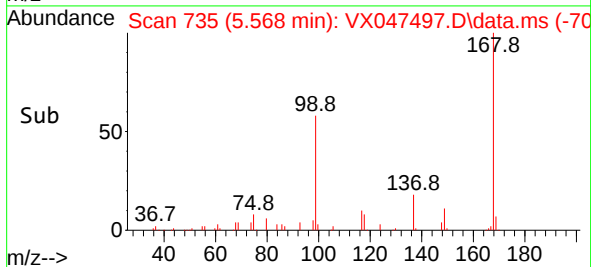
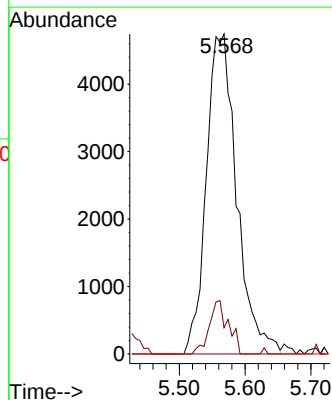
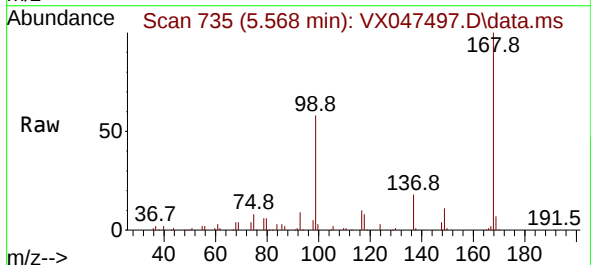
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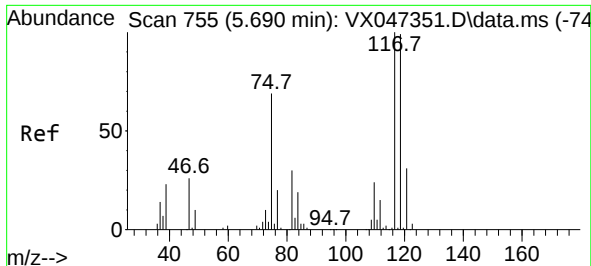
Tgt Ion:113 Resp: 124041
Ion Ratio Lower Upper
113 100
111 100.5 81.4 122.2
192 18.4 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.978 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.140 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

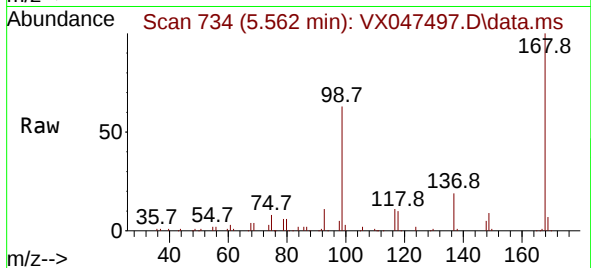
Tgt Ion: 75 Resp: 15226
Ion Ratio Lower Upper
75 100
110 10.4 17.4 52.2#
77 0.0 24.4 36.6#



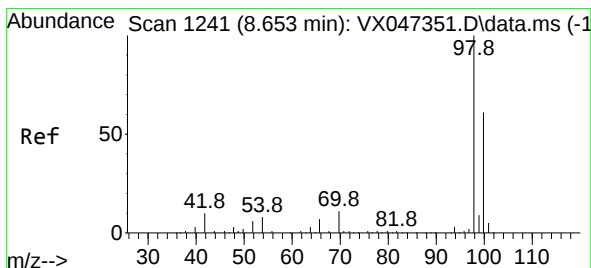
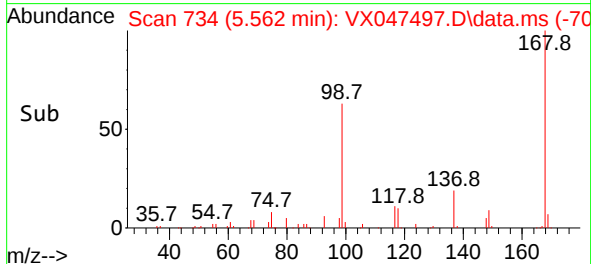
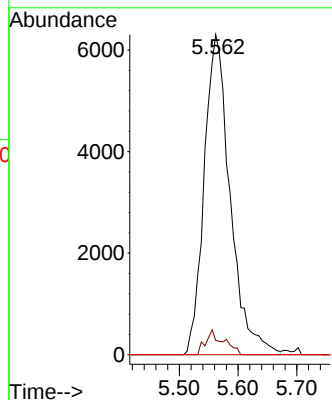


#38
Carbon Tetrachloride
Concen: 4.625 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

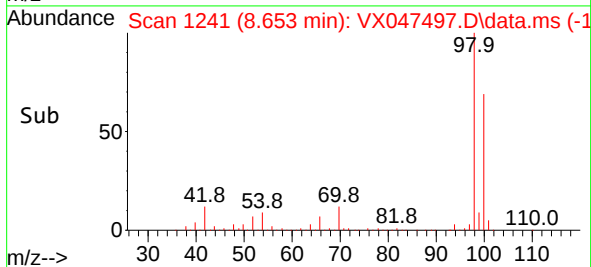
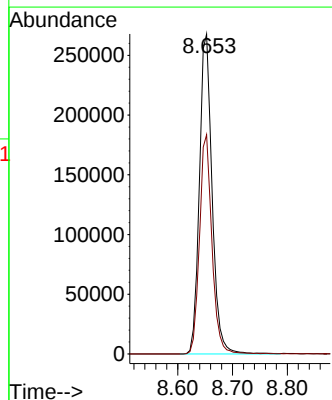
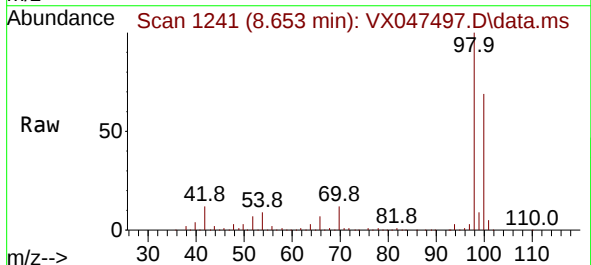


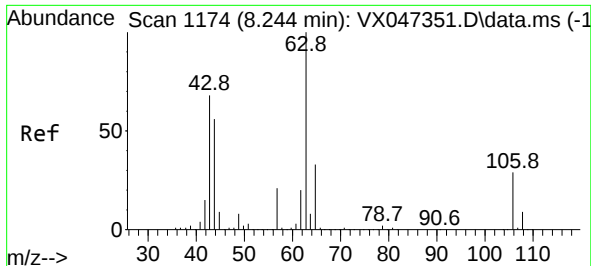
Tgt Ion:117 Resp: 19343
Ion Ratio Lower Upper
117 100
119 4.5 78.5 117.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.832 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 98 Resp: 431839
Ion Ratio Lower Upper
98 100
100 67.1 53.9 80.9

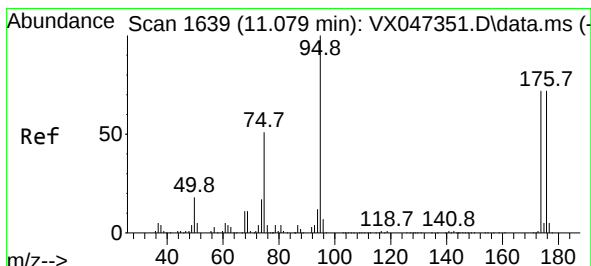
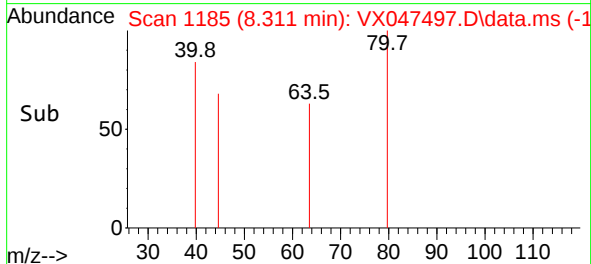
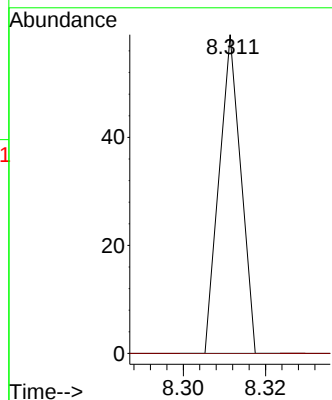
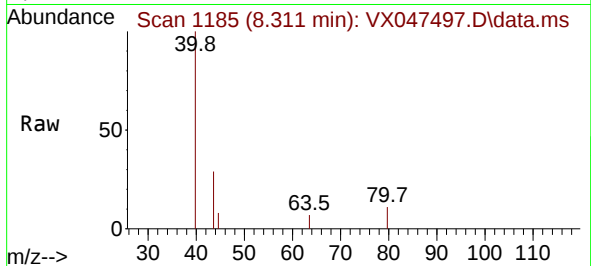




#58
2-Chloroethyl Vinyl ether
Concen: 8.367 ug/l
RT: 8.311 min Scan# 1185
Delta R.T. 0.067 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

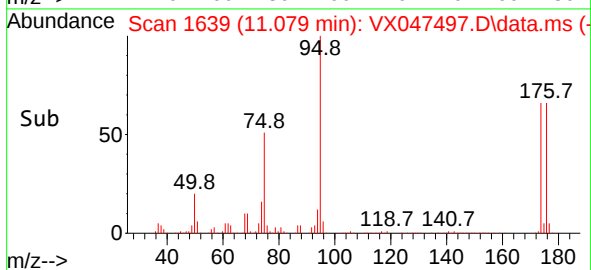
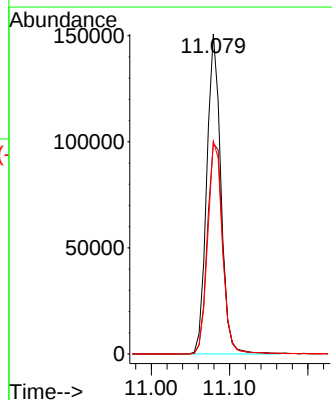
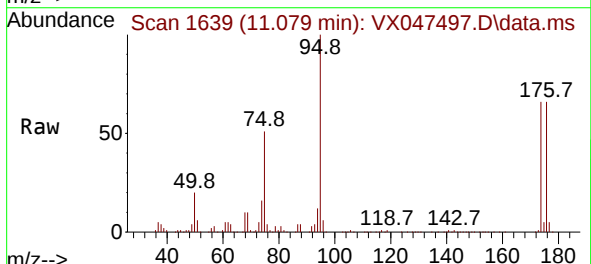
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

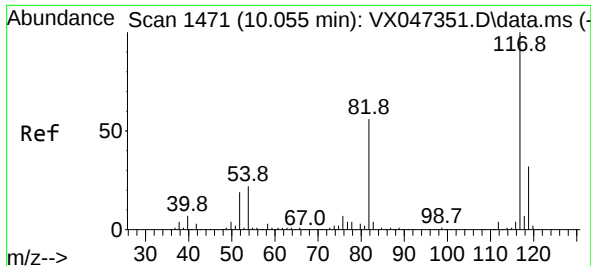
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 58.802 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 95 Resp: 188045
Ion Ratio Lower Upper
95 100
174 71.9 0.0 148.0
176 69.4 0.0 145.4

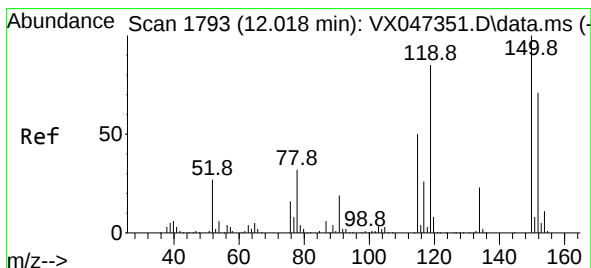
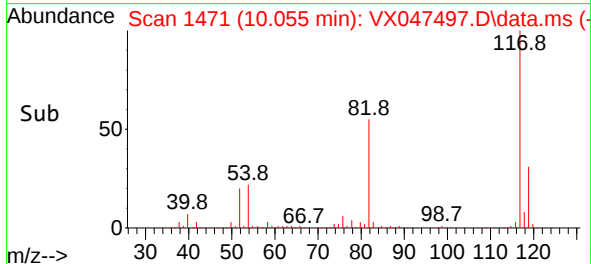
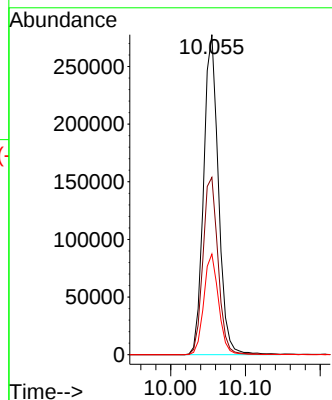
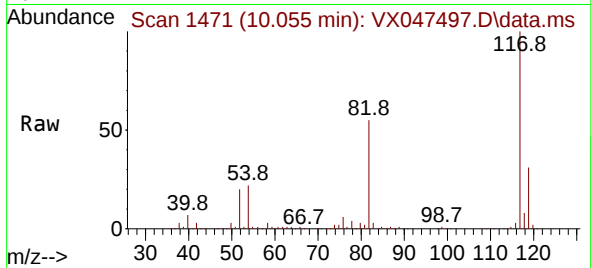




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

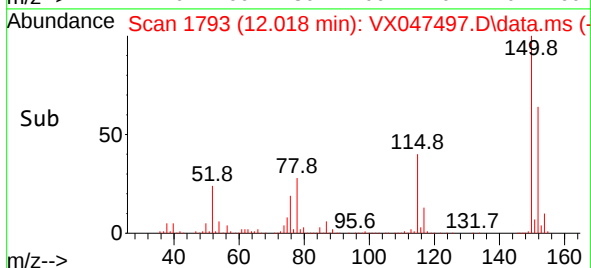
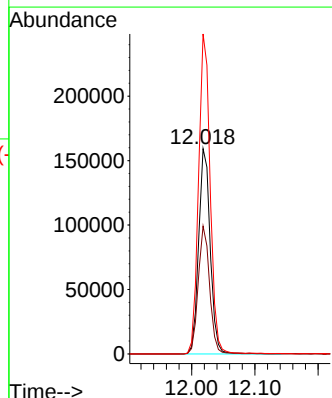
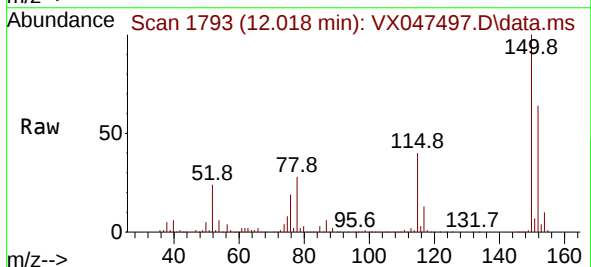
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

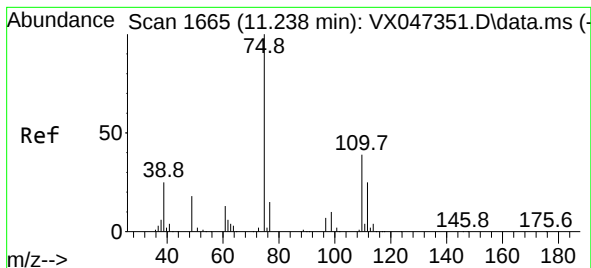
Tgt Ion:117 Resp: 382152
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.4
119 31.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion:152 Resp: 203331
Ion Ratio Lower Upper
152 100
115 61.5 44.6 133.8
150 155.5 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 26.159 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047497.D

Acq: 22 Aug 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

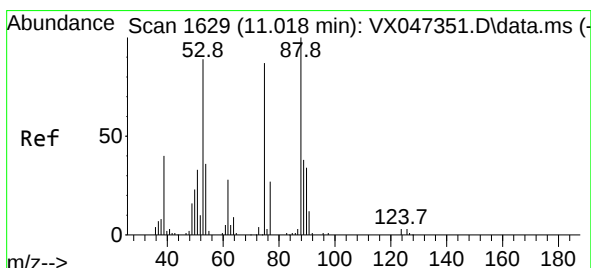
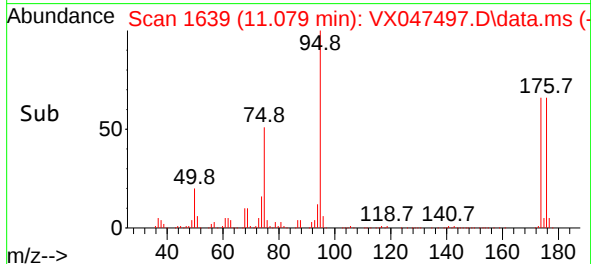
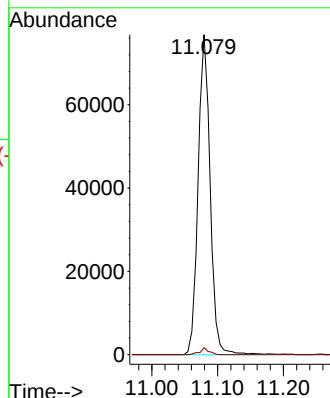
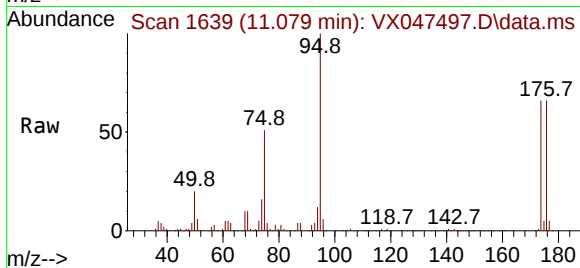
MW-16B-081925

Tgt Ion: 75 Resp: 97557

Ion Ratio Lower Upper

75 100

77 1.6 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.689 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047497.D

Acq: 22 Aug 2025 15:01

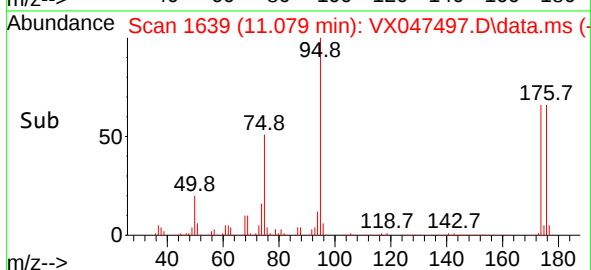
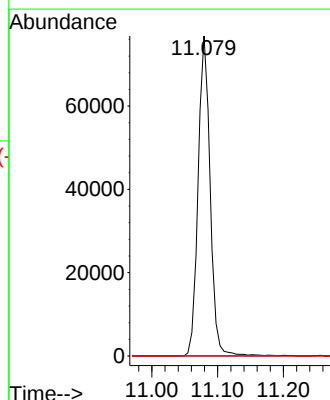
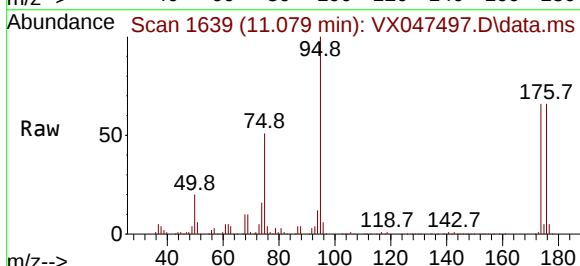
Tgt Ion: 75 Resp: 97557

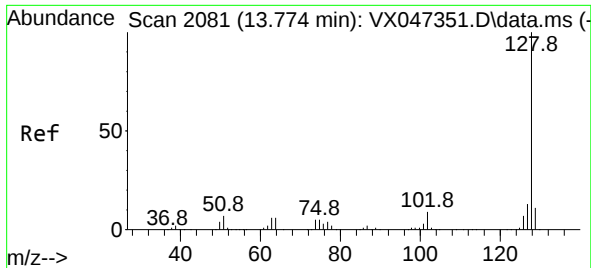
Ion Ratio Lower Upper

75 100

53 0.0 85.2 127.8#

89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 2.986 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX047497.D

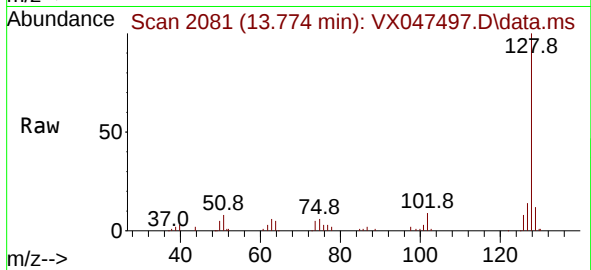
Acq: 22 Aug 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

MW-16B-081925



Tgt Ion:128 Resp: 40308

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

129 10.6 8.7 13.1

