

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047461.D
 Acq On : 21 Aug 2025 12:00
 Operator : JC/MD
 Sample : Q2869-05 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-71.5-081325-FD

Quant Time: Aug 22 03:42:48 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)

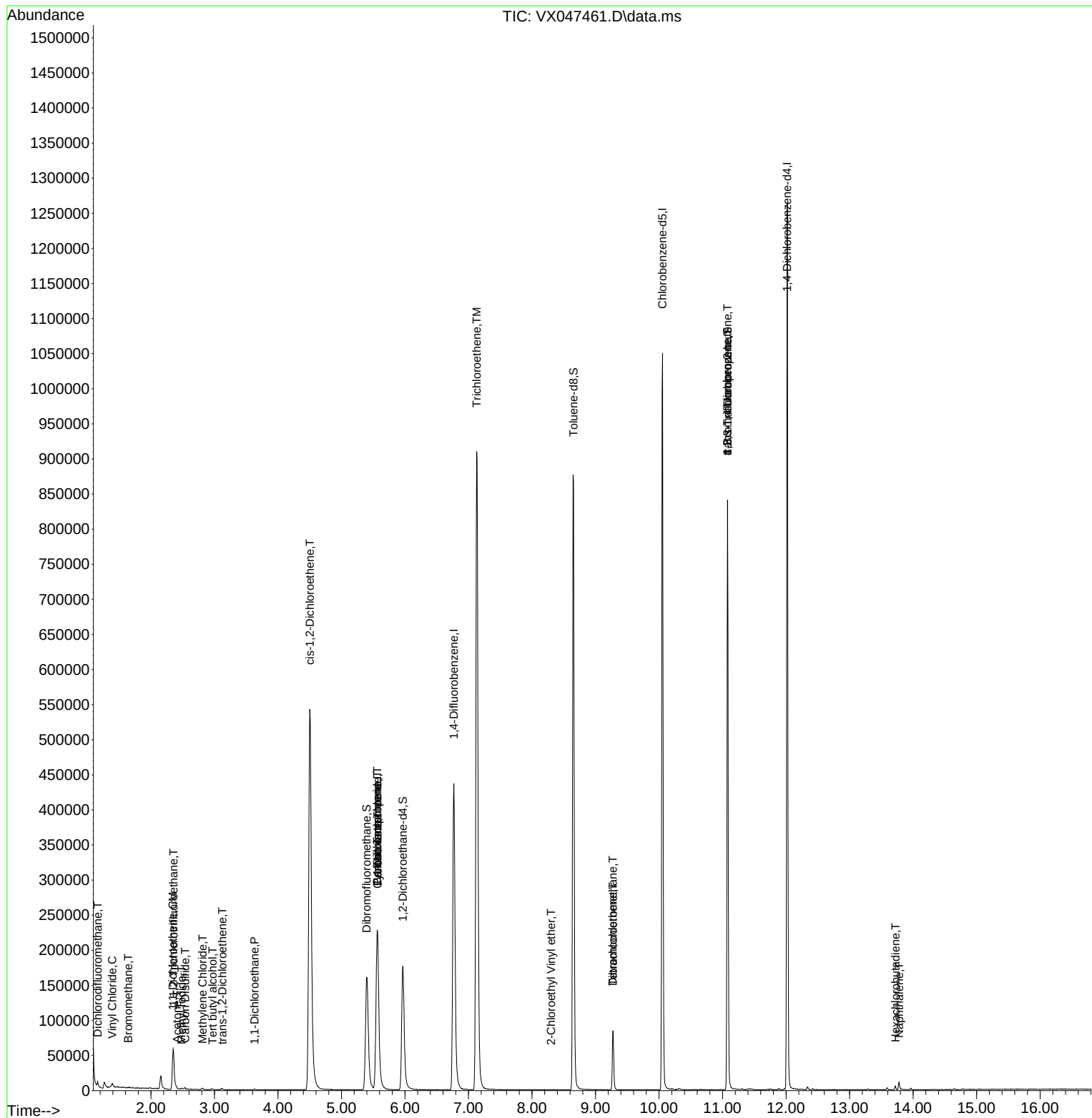
Internal Standards						
1) Pentafluorobenzene	5.562	168	234783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	477817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	477729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	247621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	186685	56.815	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.620%	
35) Dibromofluoromethane	5.397	113	153944	49.642	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.280%	
50) Toluene-d8	8.653	98	544241	49.101	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.200%	
62) 4-Bromofluorobenzene	11.079	95	227719	55.674	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.340%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	716	0.239	ug/l	96
4) Vinyl Chloride	1.392	62	2490	0.737	ug/l	96
5) Bromomethane	1.642	94	572	0.419	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.355	101	25101	8.657	ug/l	99
10) Methyl Iodide	2.483	142	2861	0.576	ug/l #	86
11) Tert butyl alcohol	2.971	59	189	0.661	ug/l #	72
12) 1,1-Dichloroethene	2.343	96	2040	0.690	ug/l #	84
16) Acetone	2.410	43	2583	2.091	ug/l	98
17) Carbon Disulfide	2.538	76	2354	0.264	ug/l #	75
20) Methylene Chloride	2.812	84	978	0.299	ug/l #	87
21) trans-1,2-Dichloroethene	3.123	96	846	0.270	ug/l #	42
24) 1,1-Dichloroethane	3.629	63	1617	0.282	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	383526	104.951	ug/l	88
31) Cyclohexane	5.568	56	5326	1.007	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	19416	3.966	ug/l #	50
38) Carbon Tetrachloride	5.562	117	24731	4.623	ug/l #	15
44) Trichloroethene	7.129	130	380783	101.492	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.299	63	54	8.377	ug/l #	46
60) Dibromochloromethane	9.275	129	16315	3.994	ug/l #	11
64) Tetrachloroethene	9.275	164	15750	4.558	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	118495	26.091	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	118495	103.437	ug/l #	7
94) Hexachlorobutadiene	13.725	225	853	0.417	ug/l	95
95) Naphthalene	13.780	128	7720	0.470	ug/l	98

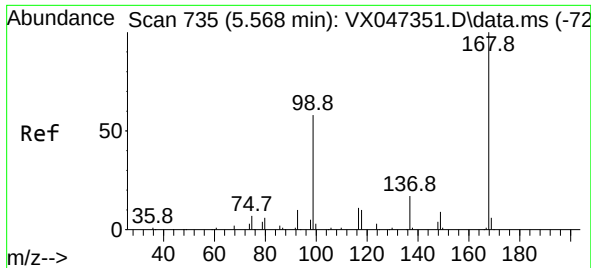
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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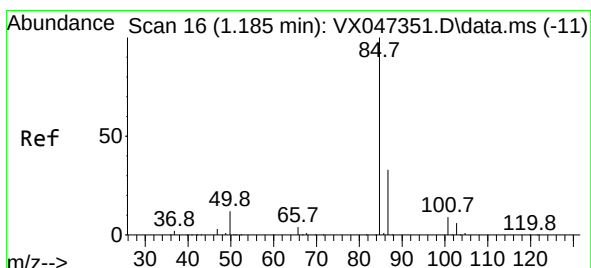
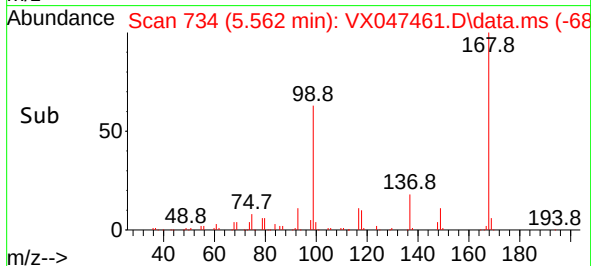
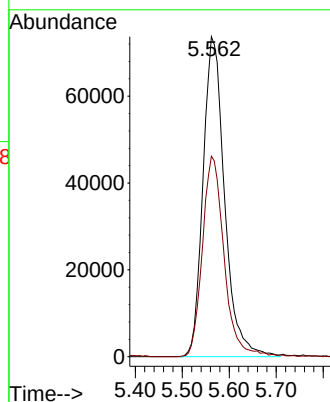
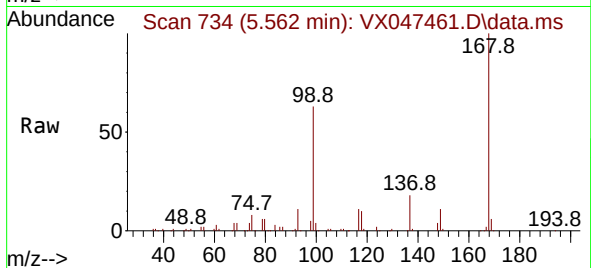




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

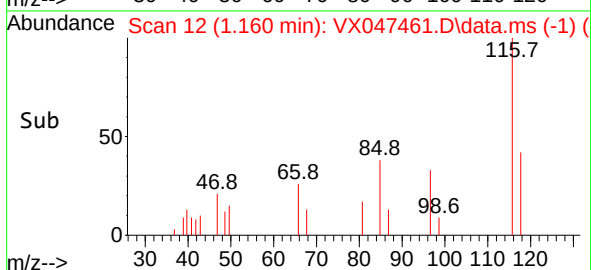
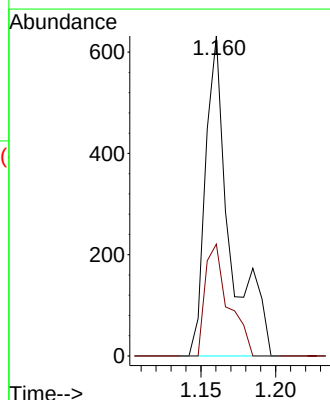
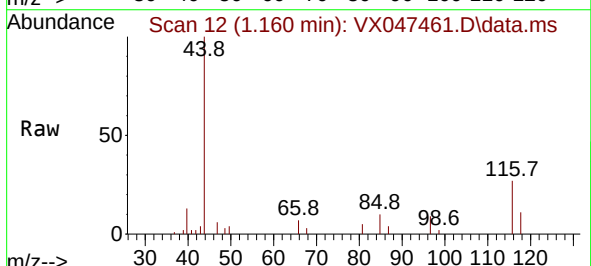
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

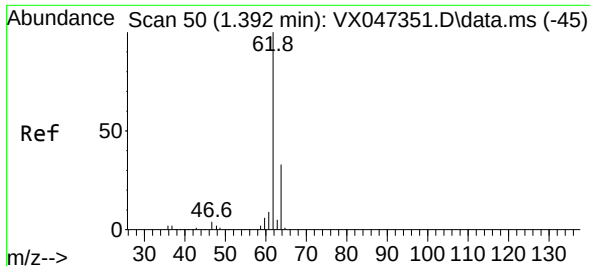
Tgt Ion:168 Resp: 234783
Ion Ratio Lower Upper
168 100
99 62.5 47.9 71.9



#2
Dichlorodifluoromethane
Concen: 0.239 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.024 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 85 Resp: 716
Ion Ratio Lower Upper
85 100
87 35.0 16.4 49.1

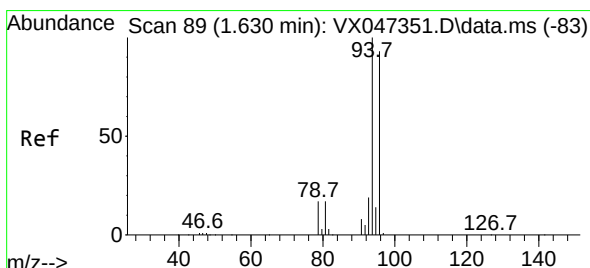
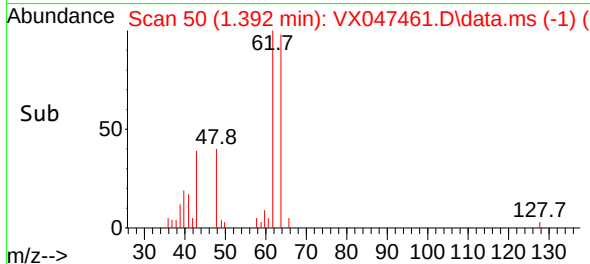
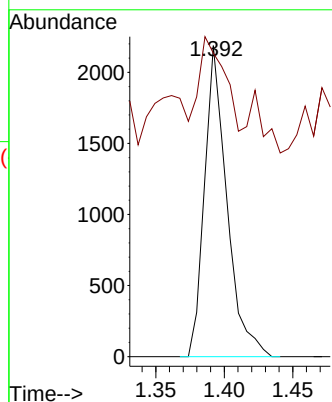
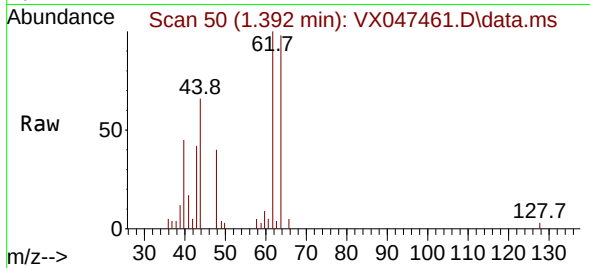




#4
 Vinyl Chloride
 Concen: 0.737 ug/l
 RT: 1.392 min Scan# 50
 Delta R.T. 0.000 min
 Lab File: VX047461.D
 Acq: 21 Aug 2025 12:00

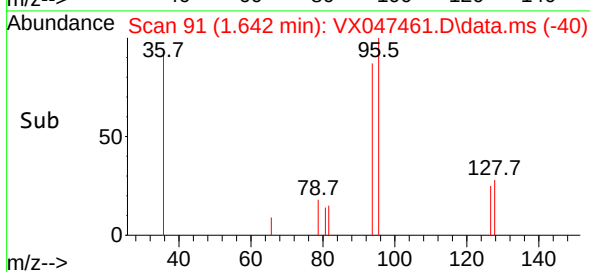
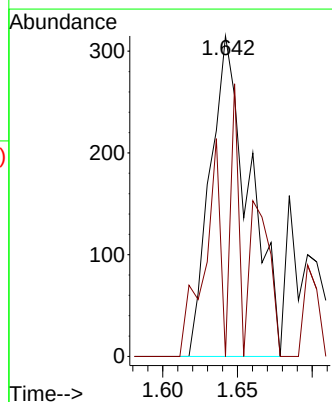
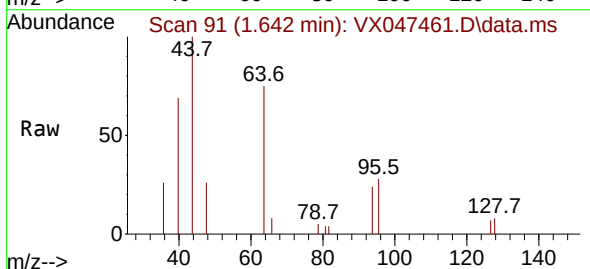
Instrument :
 MSVOA_X
 ClientSampleId :
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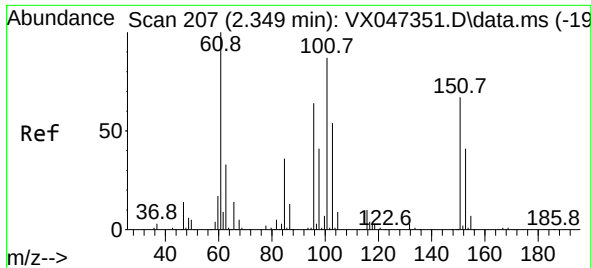
Tgt Ion: 62 Resp: 2490
 Ion Ratio Lower Upper
 62 100
 64 31.0 26.5 39.7



#5
 Bromomethane
 Concen: 0.419 ug/l
 RT: 1.642 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VX047461.D
 Acq: 21 Aug 2025 12:00

Tgt Ion: 94 Resp: 572
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.7 112.1#

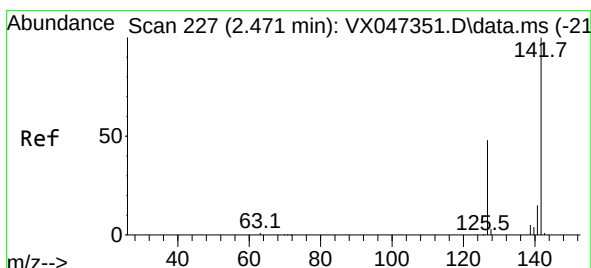
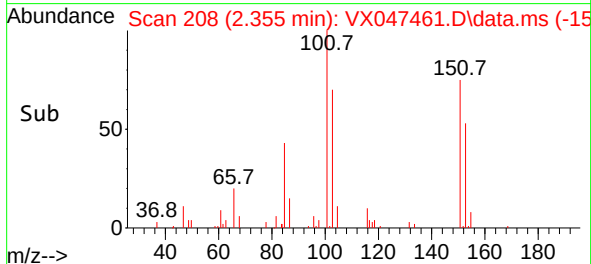
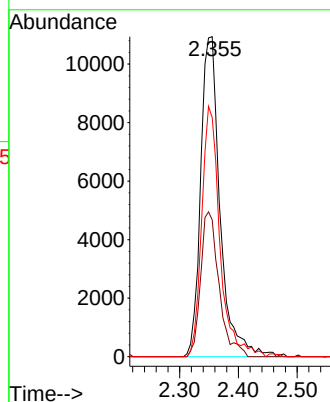
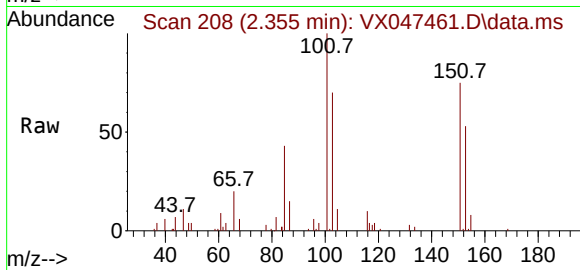




#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.657 ug/l
RT: 2.355 min Scan# 207
Delta R.T. 0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

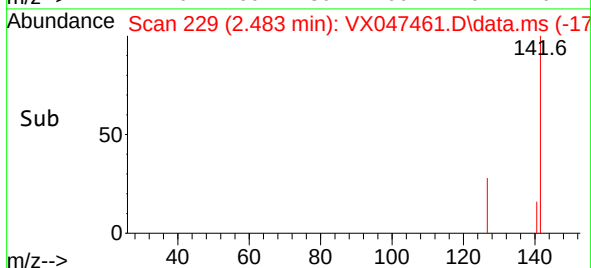
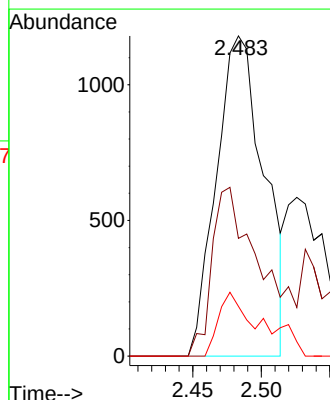
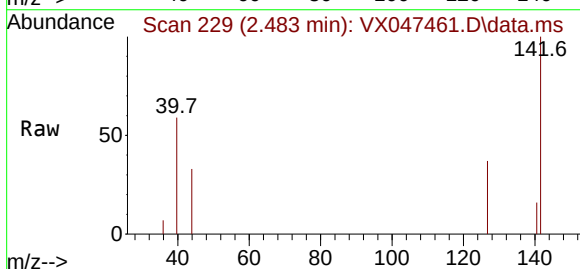
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

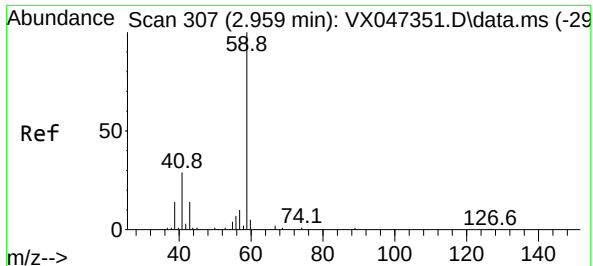
Tgt Ion:101 Resp: 25101
Ion Ratio Lower Upper
101 100
85 42.9 34.3 51.5
151 73.2 59.2 88.8



#10
Methyl Iodide
Concen: 0.576 ug/l
RT: 2.483 min Scan# 229
Delta R.T. 0.012 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion:142 Resp: 2861
Ion Ratio Lower Upper
142 100
127 55.4 36.1 54.1#
141 17.9 11.1 16.7#

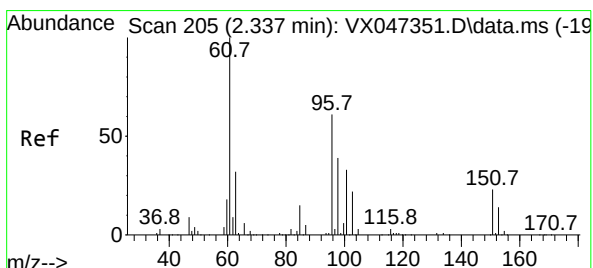
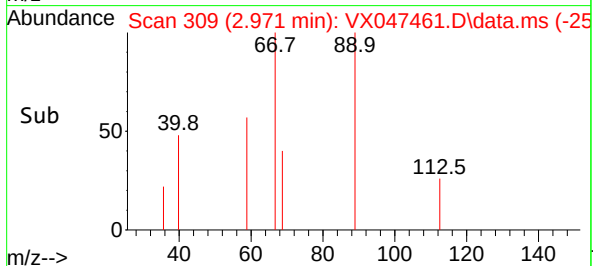
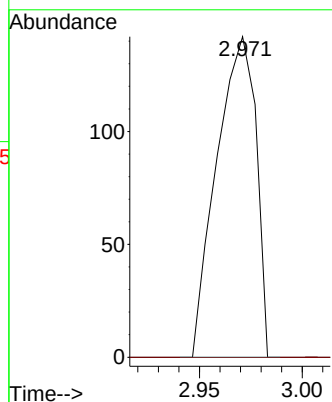
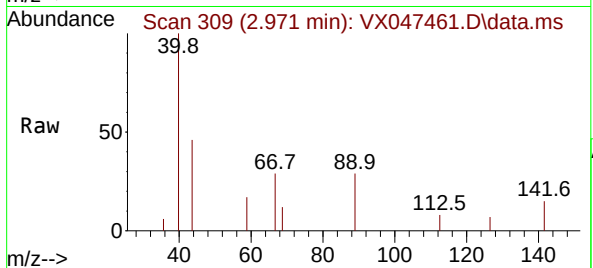




#11
Tert butyl alcohol
Concen: 0.661 ug/l
RT: 2.971 min Scan# 307
Delta R.T. 0.012 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

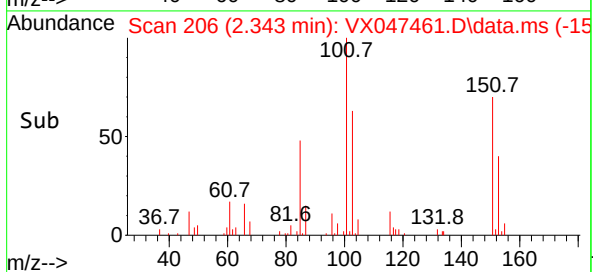
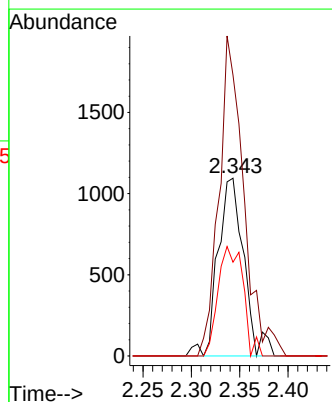
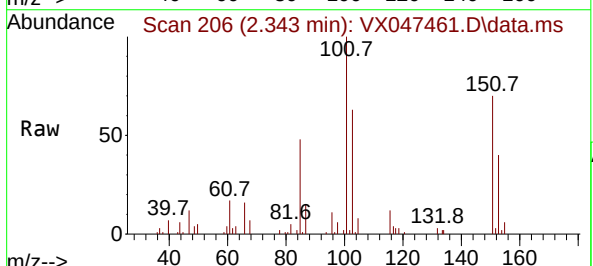
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MSVOA_X
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MW-19B-71.5-081325-FD

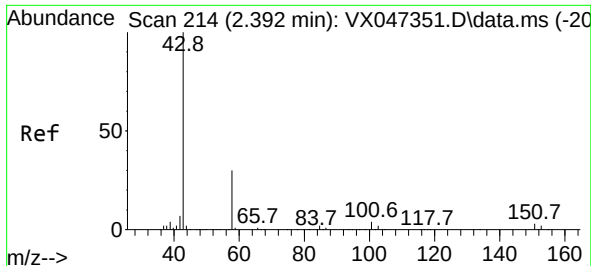
Tgt Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.690 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 96 Resp: 2040
Ion Ratio Lower Upper
96 100
61 145.4 132.2 198.2
98 48.6 51.2 76.8#





#16

Acetone

Concen: 2.091 ug/l

RT: 2.410 min Scan# 21

Delta R.T. 0.018 min

Lab File: VX047461.D

Acq: 21 Aug 2025 12:00

Instrument :

MSVOA_X

ClientSampleId :

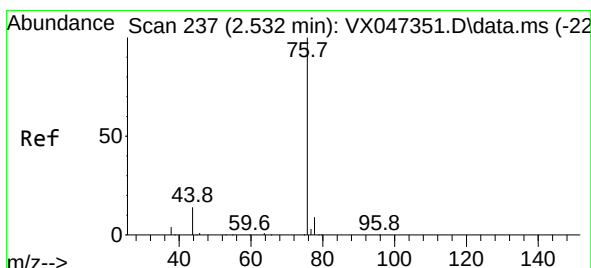
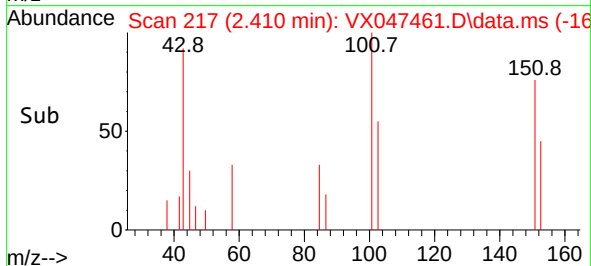
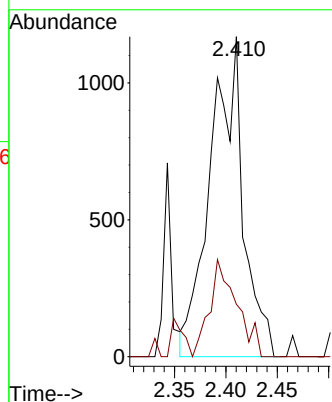
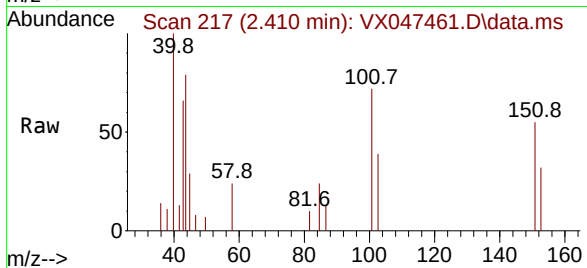
MW-19B-71.5-081325-FD

Tgt Ion: 43 Resp: 2583

Ion Ratio Lower Upper

43 100

58 31.8 24.8 37.2



#17

Carbon Disulfide

Concen: 0.264 ug/l

RT: 2.538 min Scan# 238

Delta R.T. 0.006 min

Lab File: VX047461.D

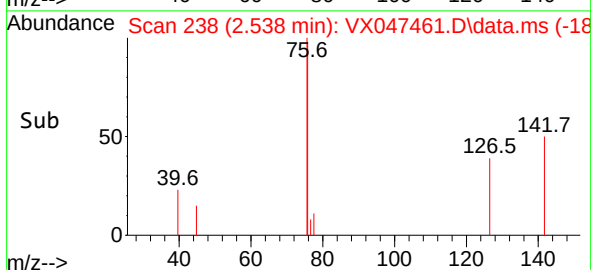
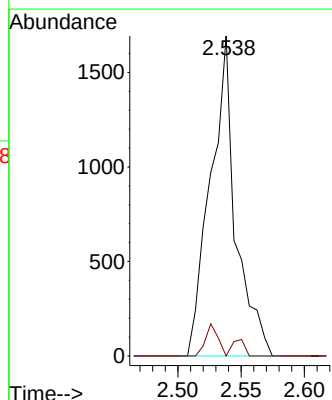
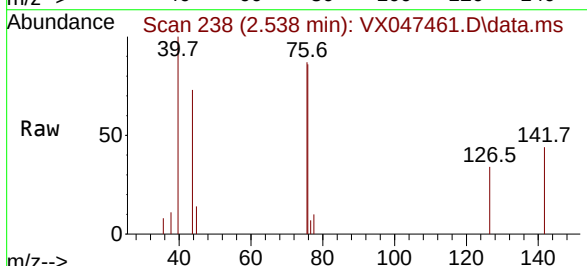
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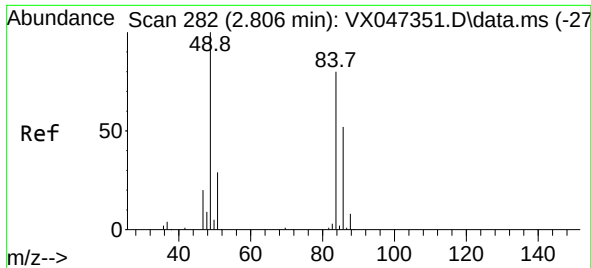
Tgt Ion: 76 Resp: 2354

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

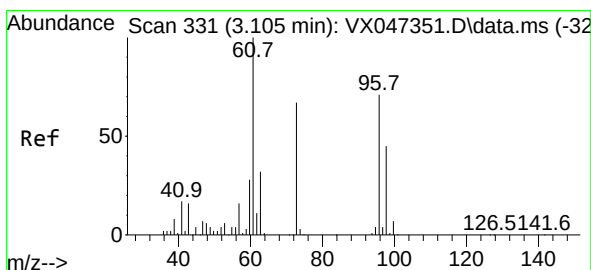
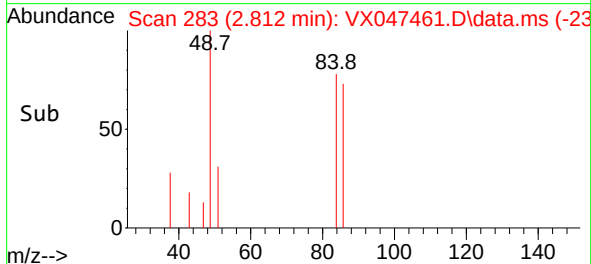
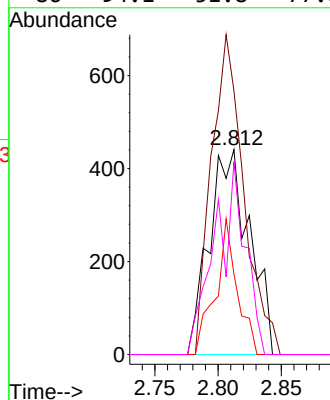
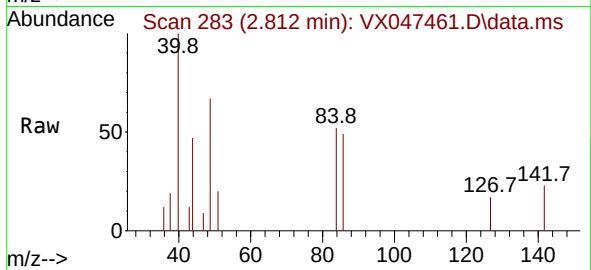




#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

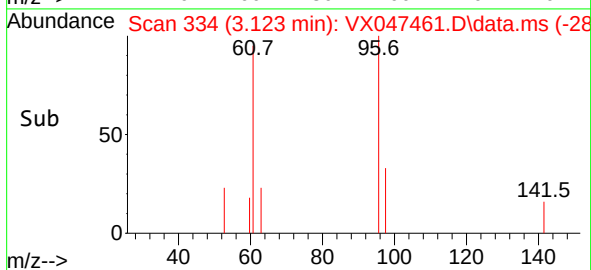
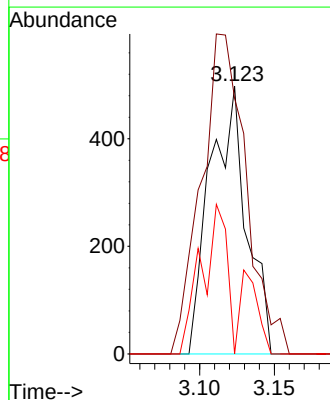
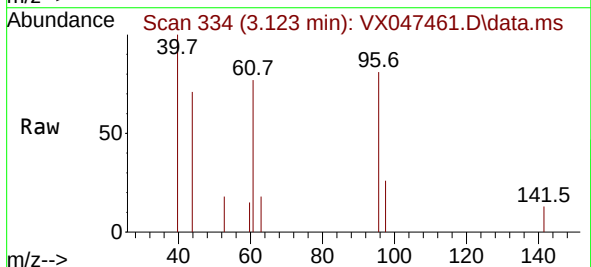
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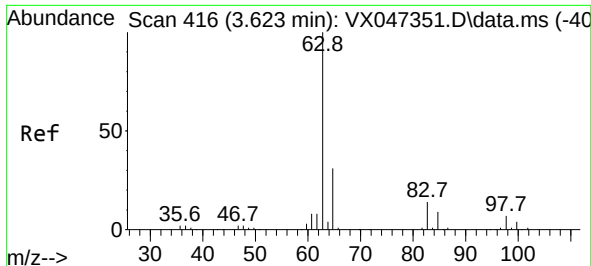
Tgt Ion:	84	Resp:	978
Ion	Ratio	Lower	Upper
84	100		
49	128.6	100.1	150.1
51	39.2	29.5	44.3
86	94.1	51.8	77.8#



#21
trans-1,2-Dichloroethene
Concen: 0.270 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.018 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion:	96	Resp:	846
Ion	Ratio	Lower	Upper
96	100		
61	82.9	112.6	169.0#
98	0.0	50.9	76.3#

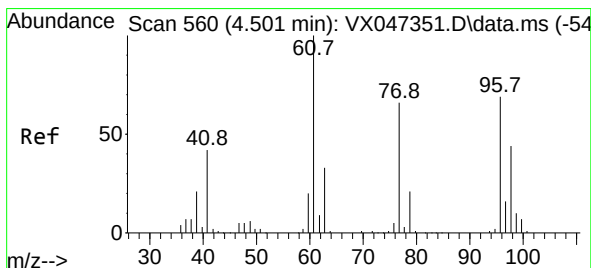
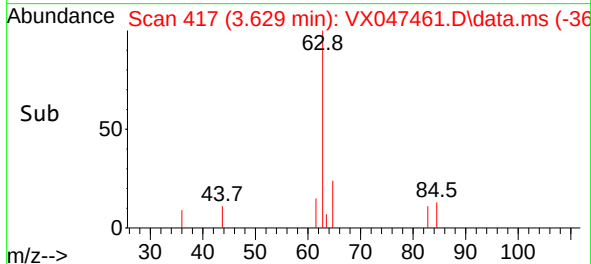
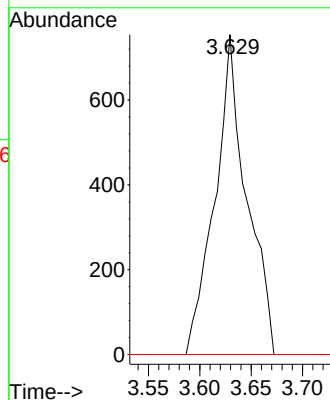
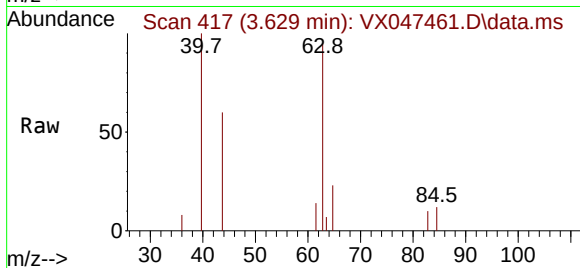




#24
 1,1-Dichloroethane
 Concen: 0.282 ug/l
 RT: 3.629 min Scan# 416
 Delta R.T. 0.006 min
 Lab File: VX047461.D
 Acq: 21 Aug 2025 12:00

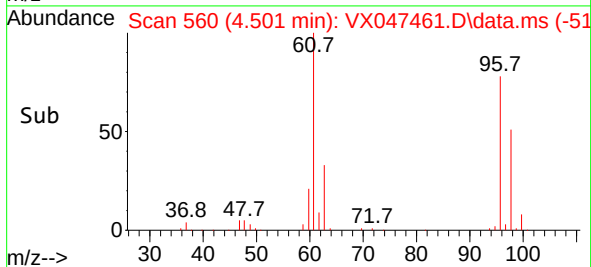
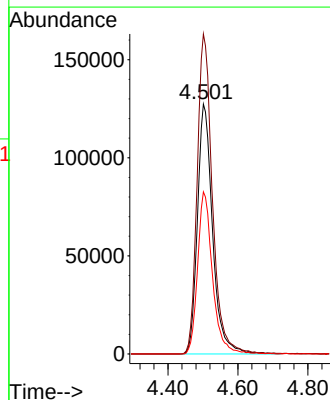
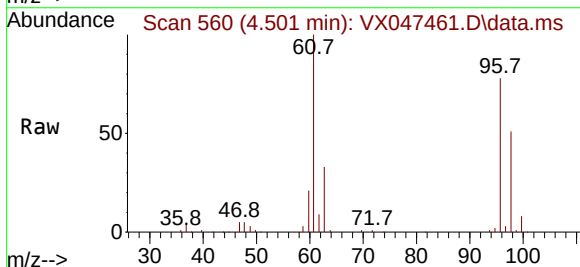
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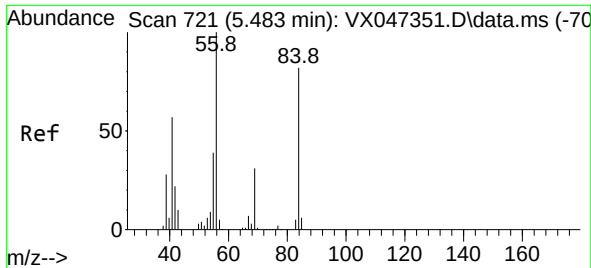
Tgt Ion: 63 Resp: 1617
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.9#
 100 0.0 2.1 6.3#



#27
 cis-1,2-Dichloroethene
 Concen: 104.951 ug/l
 RT: 4.501 min Scan# 560
 Delta R.T. 0.000 min
 Lab File: VX047461.D
 Acq: 21 Aug 2025 12:00

Tgt Ion: 96 Resp: 383526
 Ion Ratio Lower Upper
 96 100
 61 128.6 0.0 296.6
 98 63.4 0.0 130.4

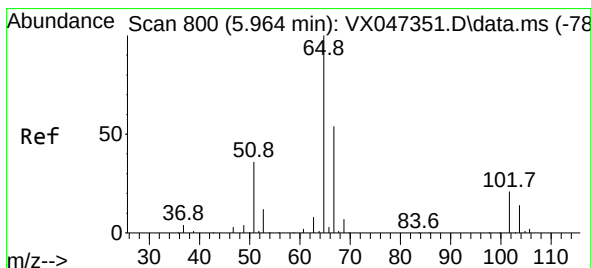
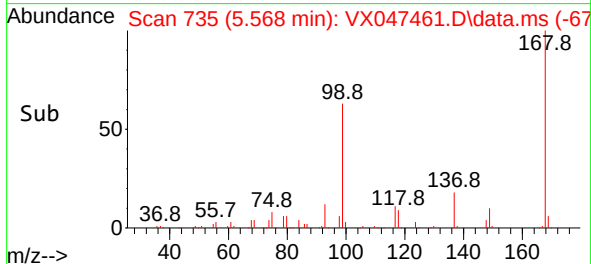
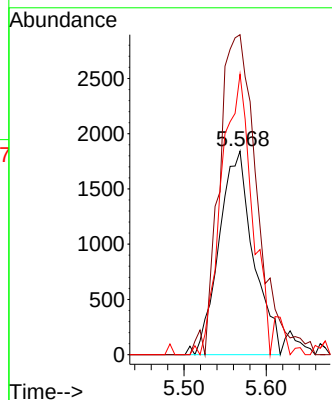
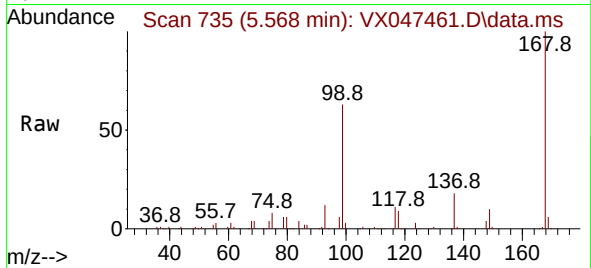




#31
Cyclohexane
Concen: 1.007 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

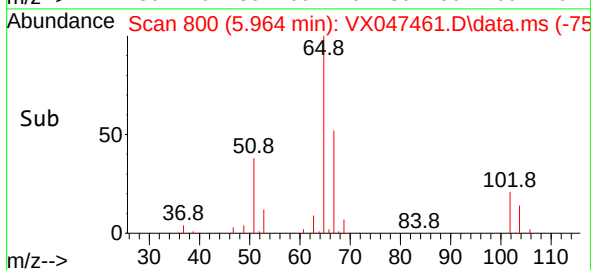
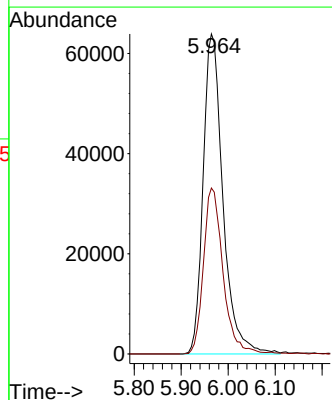
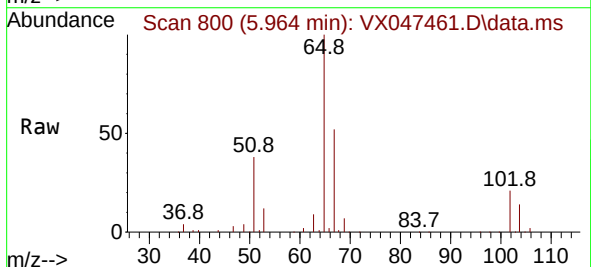
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

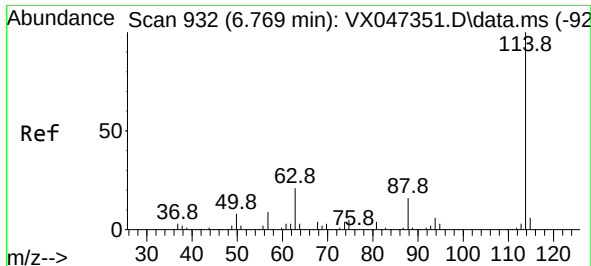
Tgt Ion	Resp	
56	5326	
Ion	Ratio	Lower Upper
56	100	
69	157.2	24.3 36.5#
84	137.8	65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 56.815 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion	Resp	
65	186685	
Ion	Ratio	Lower Upper
65	100	
67	51.5	0.0 106.0

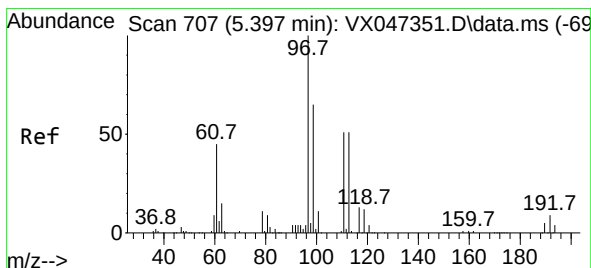
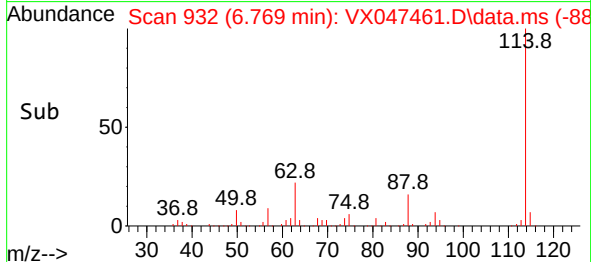
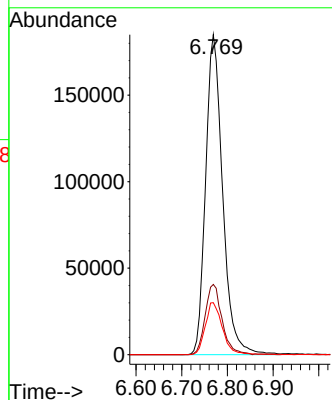
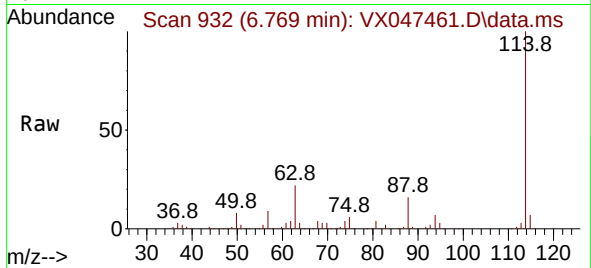




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

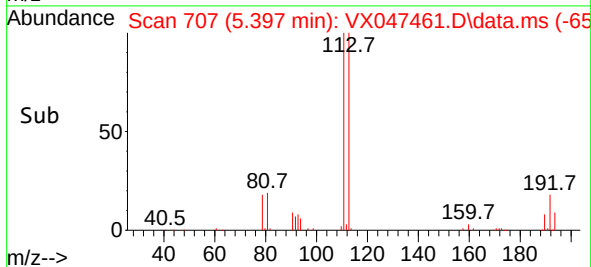
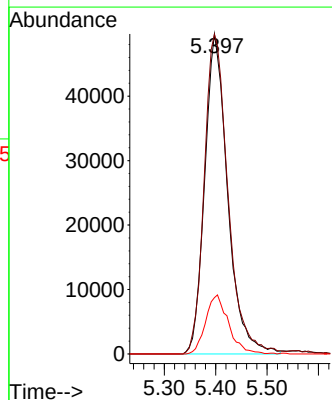
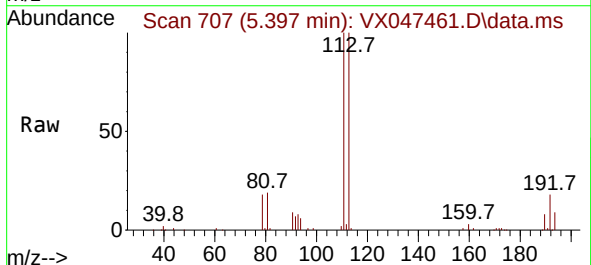
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

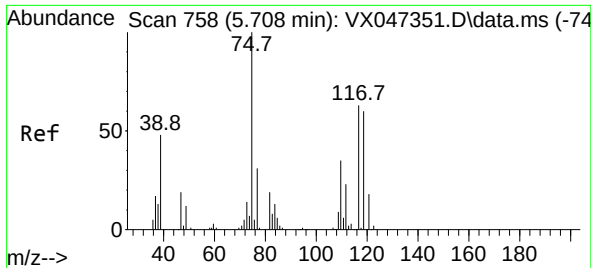
Tgt Ion:114 Resp: 477817
Ion Ratio Lower Upper
114 100
63 22.0 0.0 42.4
88 16.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.642 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion:113 Resp: 153944
Ion Ratio Lower Upper
113 100
111 103.6 81.4 122.2
192 18.4 14.1 21.1

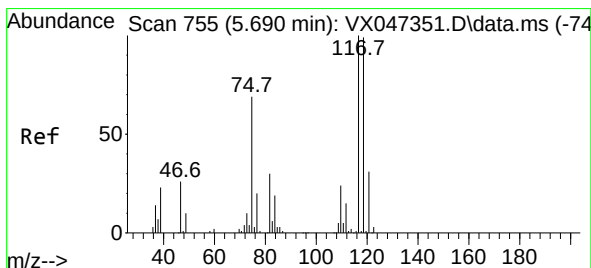
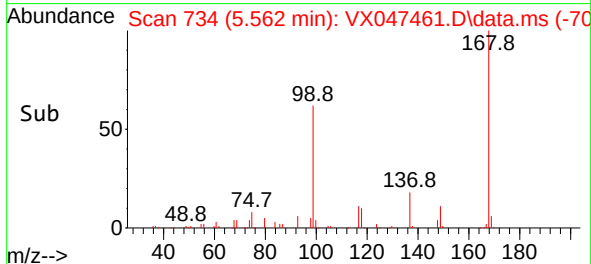
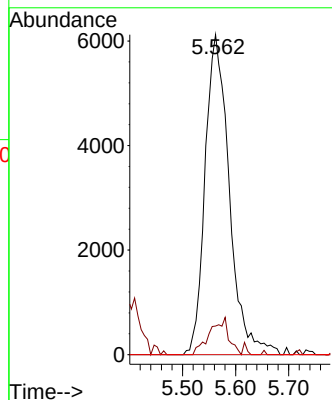
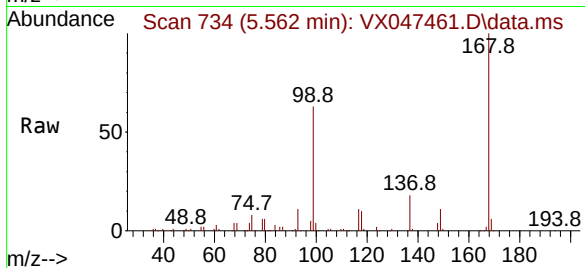




#36
 1,1-Dichloropropene
 Concen: 3.966 ug/l
 RT: 5.562 min Scan# 71
 Delta R.T. -0.146 min
 Lab File: VX047461.D
 Acq: 21 Aug 2025 12:00

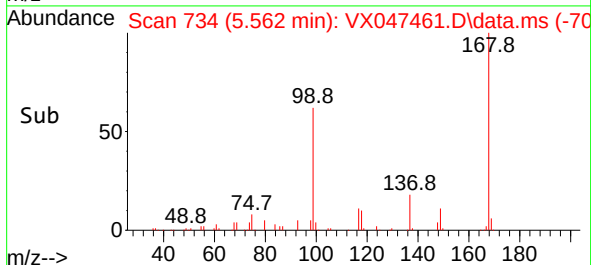
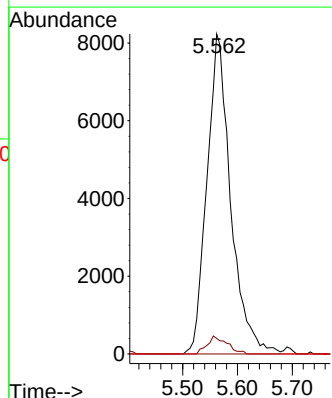
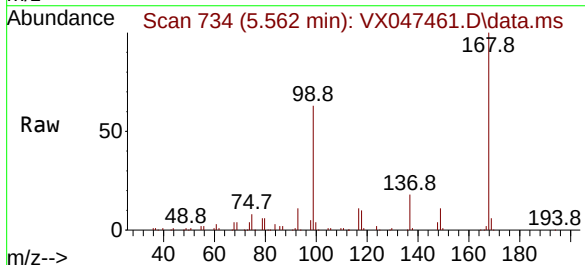
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-71.5-081325-FD

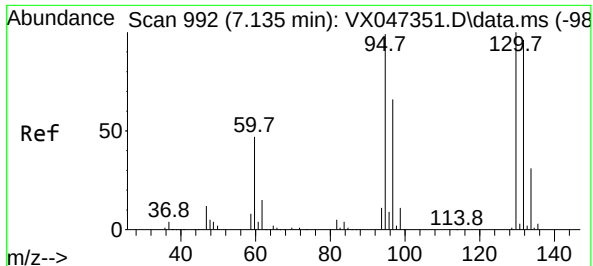
Tgt Ion: 75 Resp: 19416
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.4 52.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.623 ug/l
 RT: 5.562 min Scan# 734
 Delta R.T. -0.128 min
 Lab File: VX047461.D
 Acq: 21 Aug 2025 12:00

Tgt Ion: 117 Resp: 24731
 Ion Ratio Lower Upper
 117 100
 119 4.9 78.5 117.7#
 121 0.0 24.7 37.1#

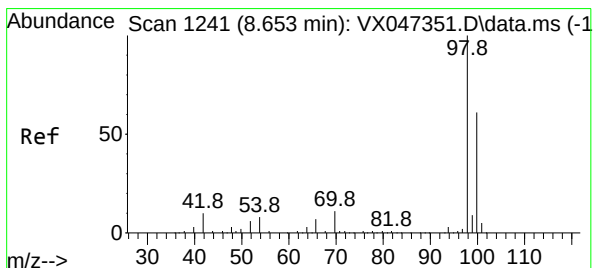
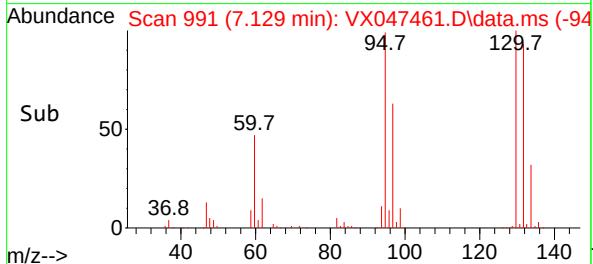
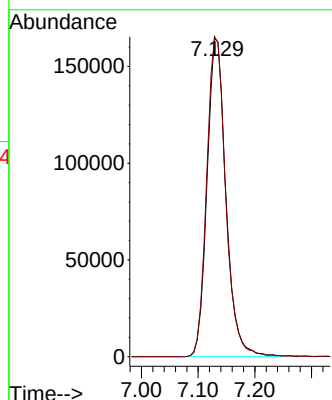
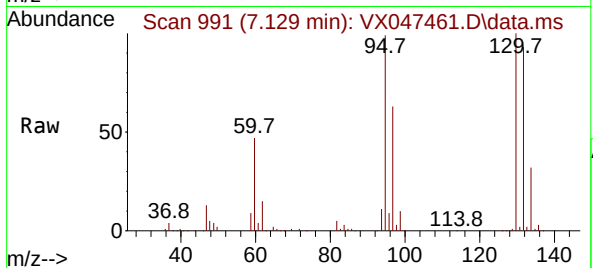




#44
 Trichloroethene
 Concen: 101.492 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. -0.006 min
 Lab File: VX047461.D
 Acq: 21 Aug 2025 12:00

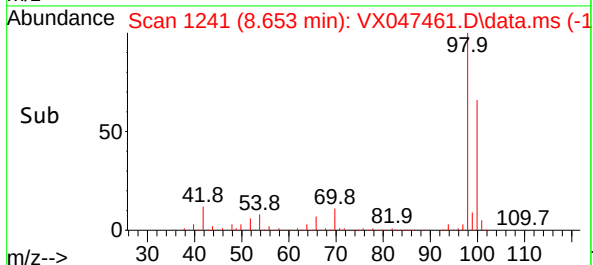
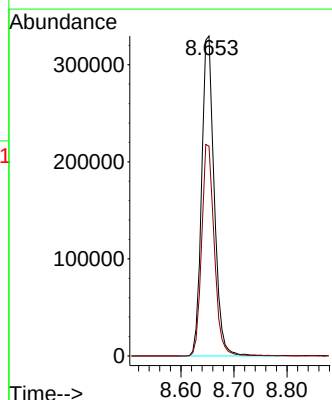
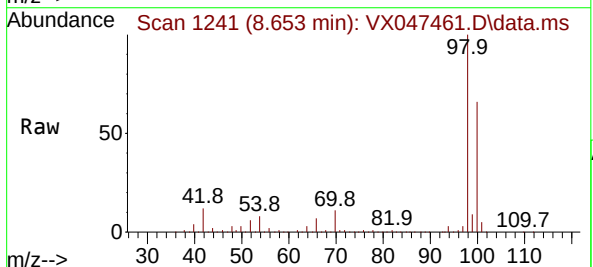
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-71.5-081325-FD

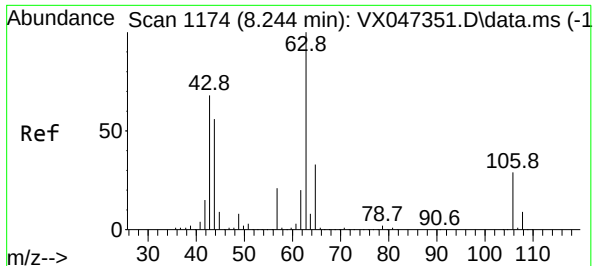
Tgt Ion:130 Resp: 380783
 Ion Ratio Lower Upper
 130 100
 95 99.5 0.0 198.6



#50
 Toluene-d8
 Concen: 49.101 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.000 min
 Lab File: VX047461.D
 Acq: 21 Aug 2025 12:00

Tgt Ion: 98 Resp: 544241
 Ion Ratio Lower Upper
 98 100
 100 66.4 53.9 80.9

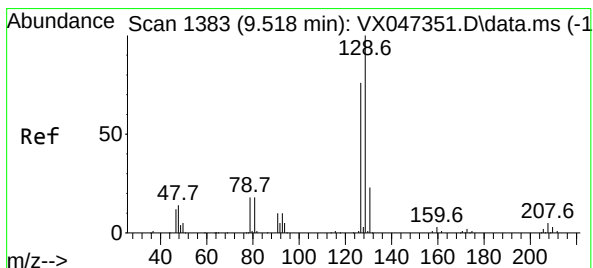
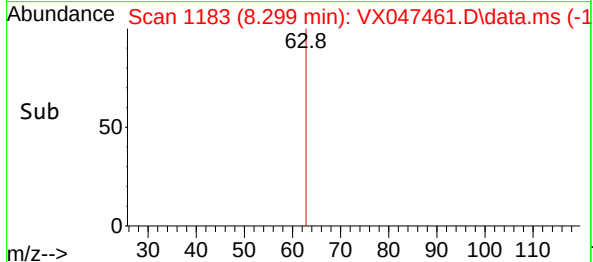
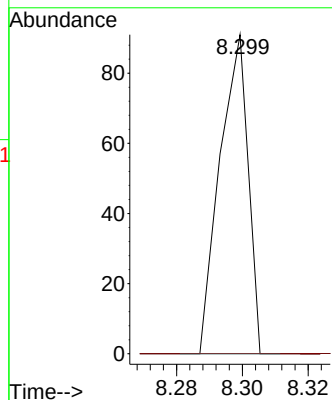
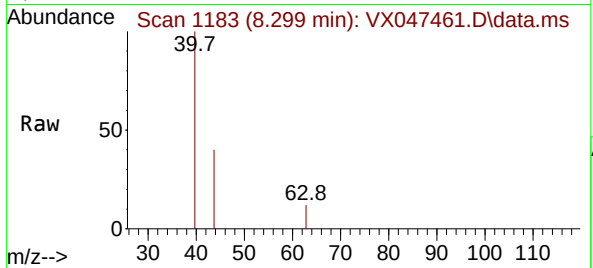




#58
2-Chloroethyl Vinyl ether
Concen: 8.377 ug/l
RT: 8.299 min Scan# 1183
Delta R.T. 0.055 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

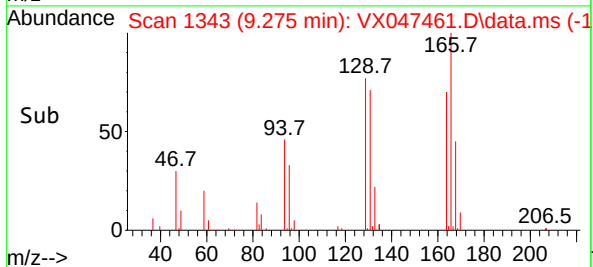
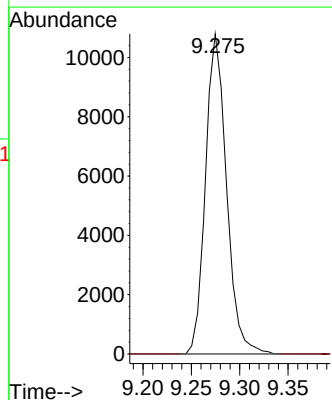
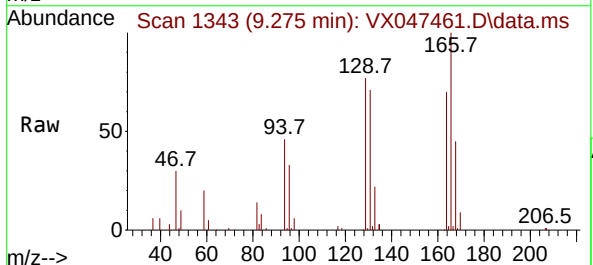
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

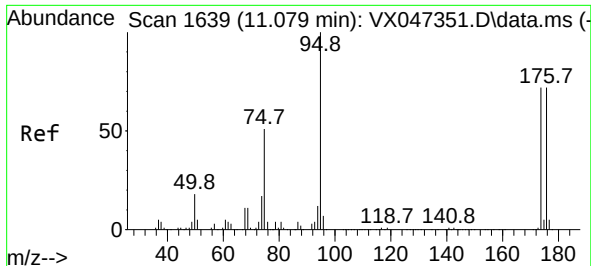
Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#60
Dibromochloromethane
Concen: 3.994 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 129 Resp: 16315
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#

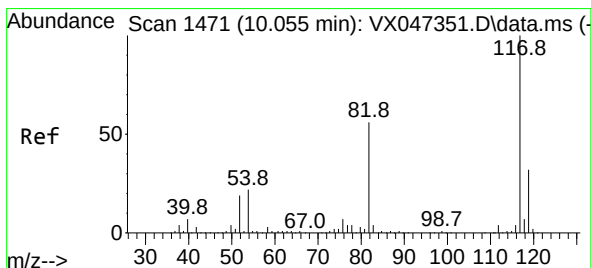
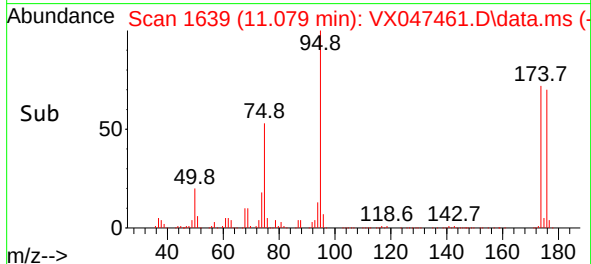
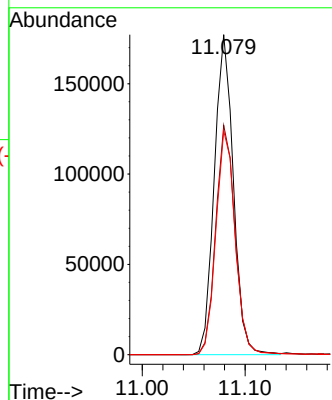
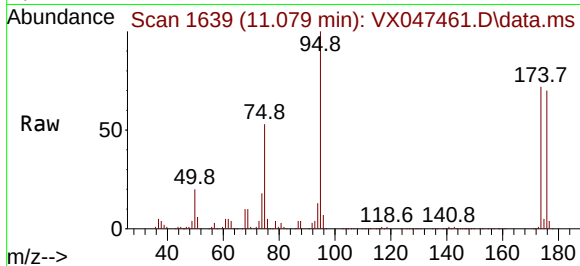




#62
4-Bromofluorobenzene
Concen: 55.674 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

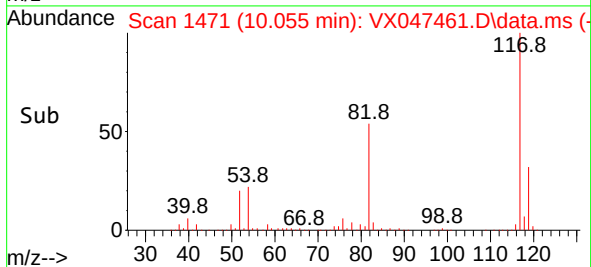
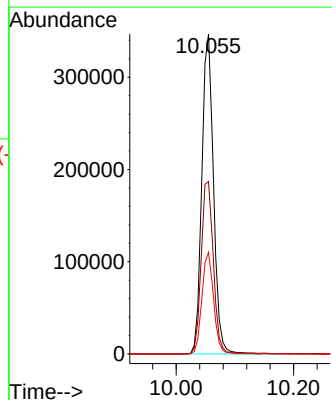
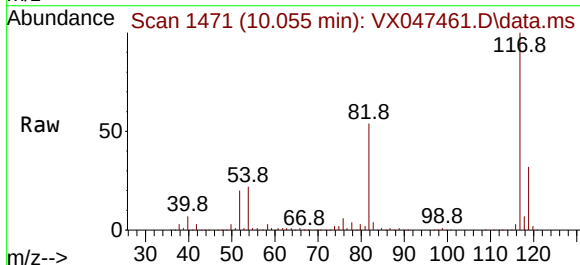
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

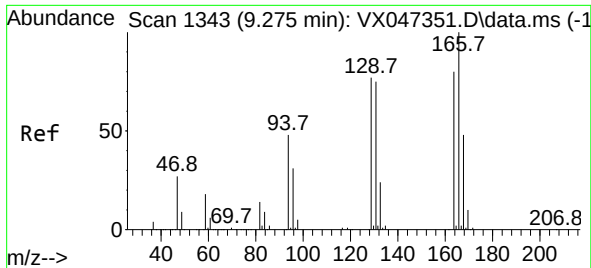
Tgt Ion: 95 Resp: 227719
Ion Ratio Lower Upper
95 100
174 72.9 0.0 148.0
176 71.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 117 Resp: 477729
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 31.8 25.8 38.8



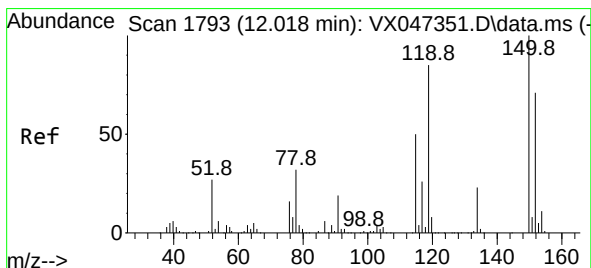
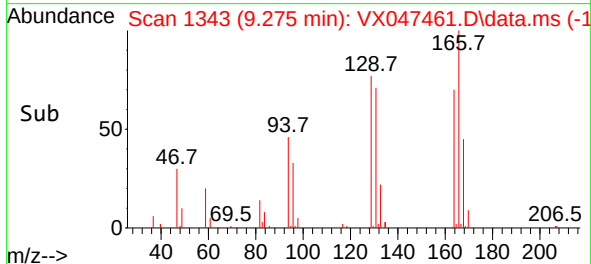
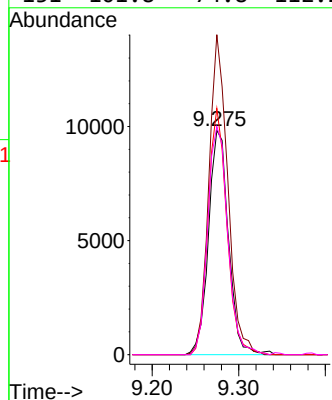
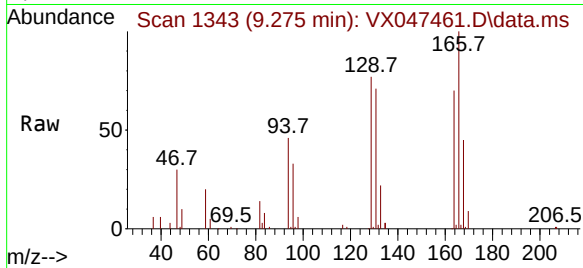


#64
Tetrachloroethene
Concen: 4.558 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:164 Resp: 15750

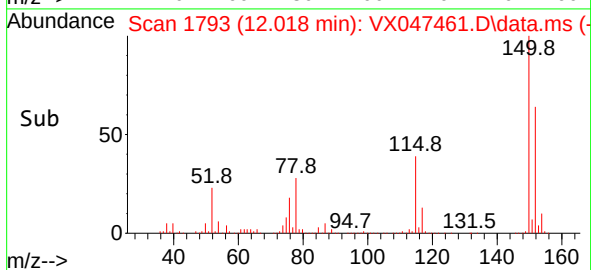
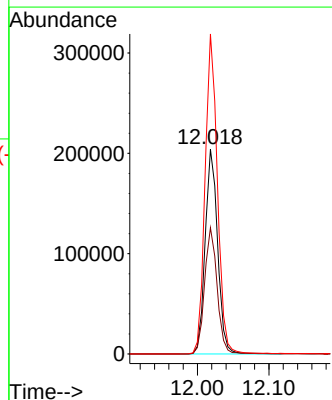
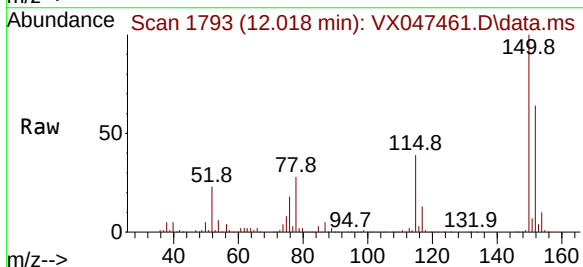
Ion	Ratio	Lower	Upper
164	100		
166	142.7	100.3	150.5
129	109.8	77.7	116.5
131	101.8	74.8	112.2

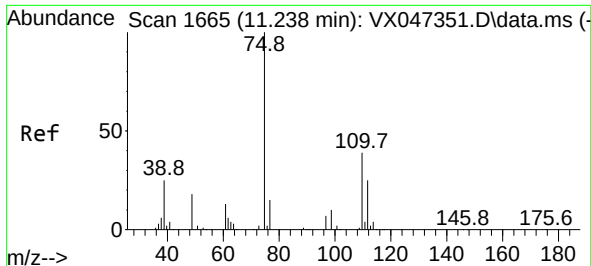


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion:152 Resp: 247621

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.6	133.8
150	155.0	0.0	349.8

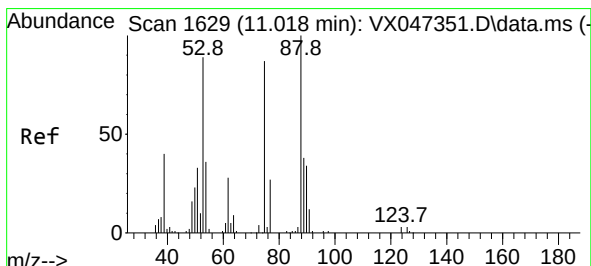
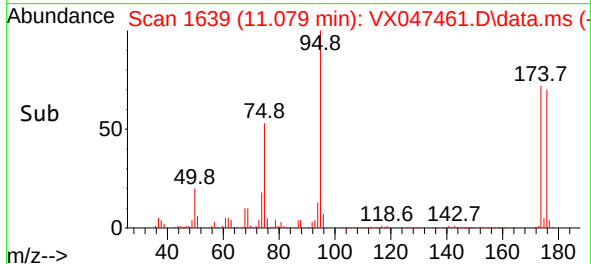
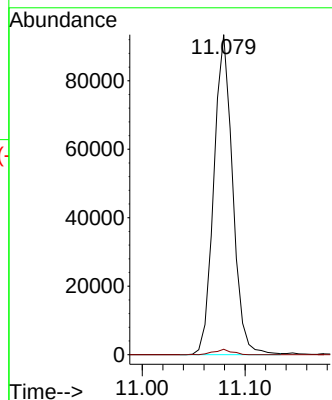
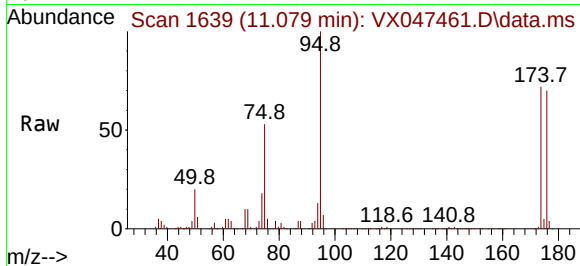




#76
1,2,3-Trichloropropane
Concen: 26.091 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

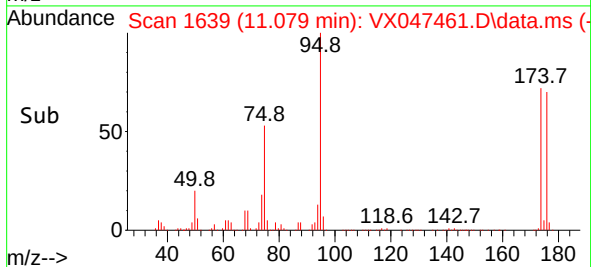
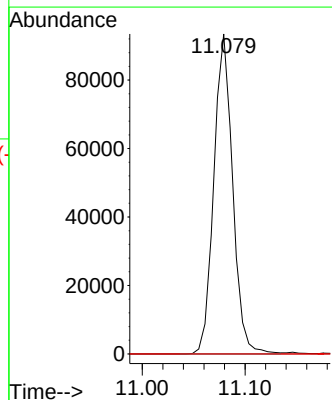
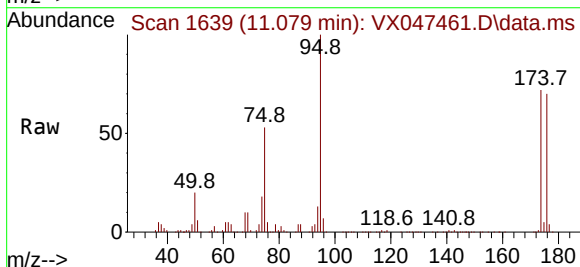
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

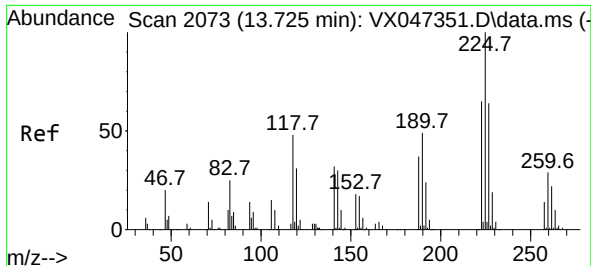
Tgt Ion: 75 Resp: 118495
Ion Ratio Lower Upper
75 100
77 1.6 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.437 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion: 75 Resp: 118495
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#

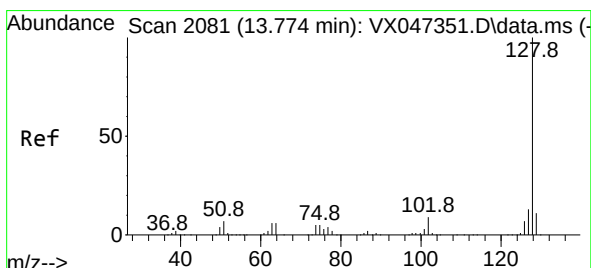
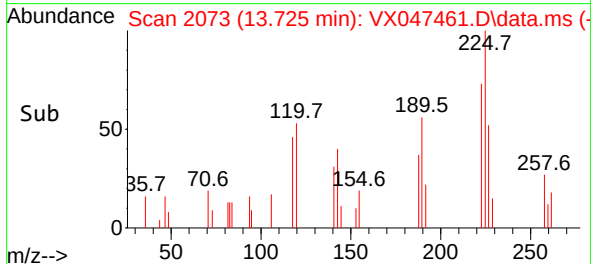
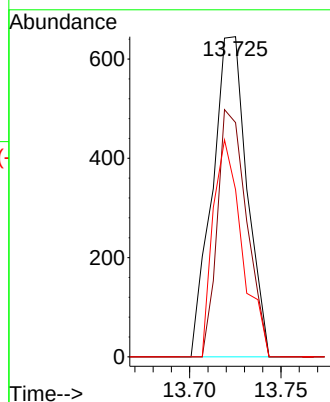
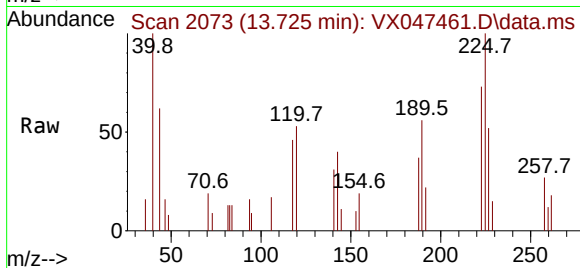




#94
Hexachlorobutadiene
Concen: 0.417 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325-FD

Tgt Ion:	225	Resp:	853
Ion	Ratio	Lower	Upper
225	100		
223	65.3	32.2	96.6
227	56.5	31.6	95.0



#95
Naphthalene
Concen: 0.470 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047461.D
Acq: 21 Aug 2025 12:00

Tgt Ion:	128	Resp:	7720
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	12.3	8.7	13.1

