

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044971.D
 Acq On : 14 Feb 2025 18:57
 Operator : JC/MD
 Sample : Q1363-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-33D-021225

Quant Time: Feb 14 22:19:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

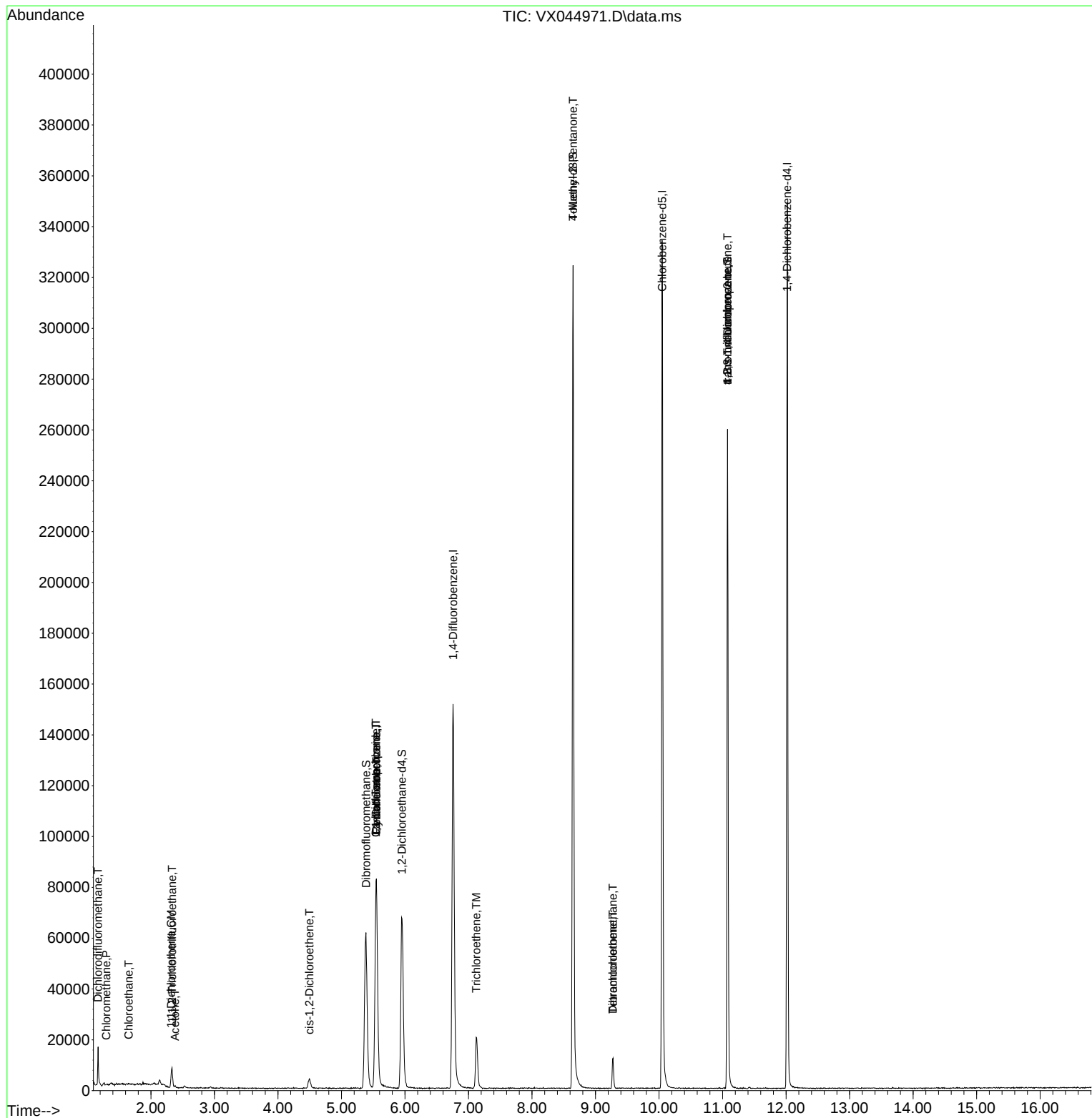
Internal Standards						
1) Pentafluorobenzene	5.550	168	75470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157095	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64939	58.782	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.560%	
35) Dibromofluoromethane	5.385	113	53696	52.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.140%	
50) Toluene-d8	8.647	98	196972	50.999	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.000%	
62) 4-Bromofluorobenzene	11.079	95	70404	54.072	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.140%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	8582	8.108	ug/l	99
3) Chloromethane	1.295	50	291	0.226	ug/l	92
6) Chloroethane	1.648	64	101	1.508	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	2794	2.930	ug/l	92
12) 1,1-Dichloroethene	2.319	96	251	0.258	ug/l	93
16) Acetone	2.380	43	835	1.880	ug/l	94
27) cis-1,2-Dichloroethene	4.495	96	2340	2.035	ug/l	93
31) Cyclohexane	5.550	56	2082	1.214	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	7174	4.868	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8297	5.746	ug/l #	15
44) Trichloroethene	7.123	130	8038	7.643	ug/l	100
51) 4-Methyl-2-Pentanone	8.647	43	992	0.616	ug/l #	1
60) Dibromochloromethane	9.275	129	2327	2.065	ug/l #	10
64) Tetrachloroethene	9.275	164	2414	2.594	ug/l #	91
76) 1,2,3-Trichloropropane	11.079	75	37087	25.190	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	37087	64.798	ug/l #	11

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

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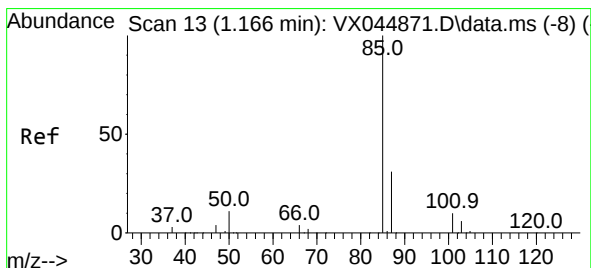
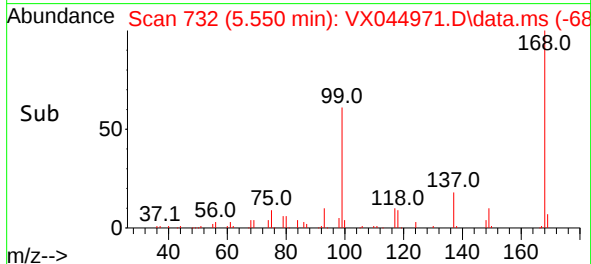
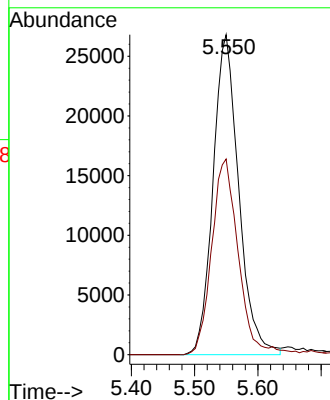
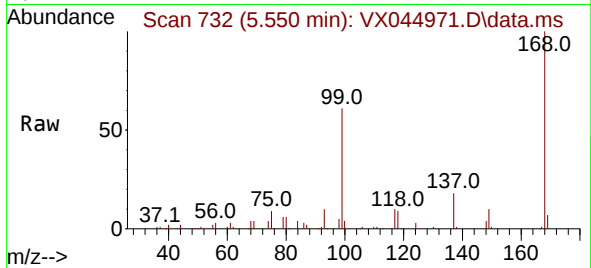




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

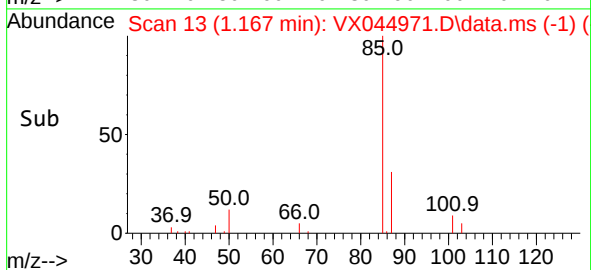
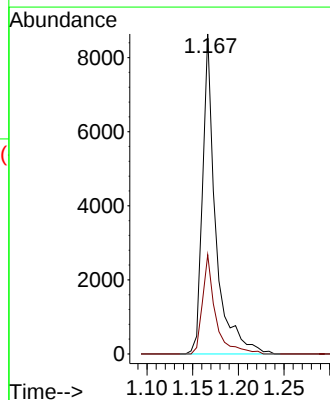
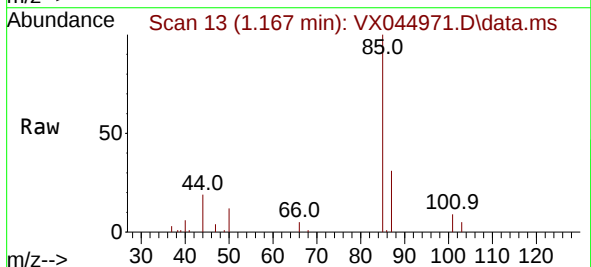
Instrument :
MSVOA_X
ClientSampleId :
MW-33D-021225

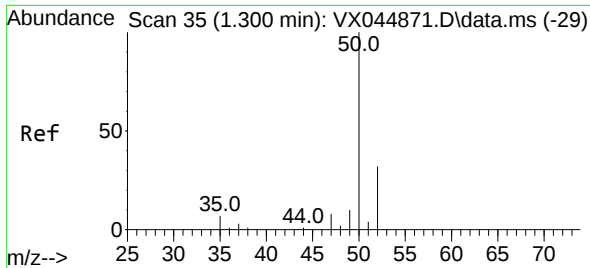
Tgt Ion:168 Resp: 75470
Ion Ratio Lower Upper
168 100
99 61.2 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 8.108 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Tgt Ion: 85 Resp: 8582
Ion Ratio Lower Upper
85 100
87 31.0 15.8 47.3

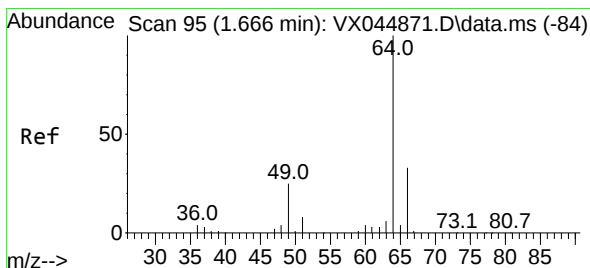
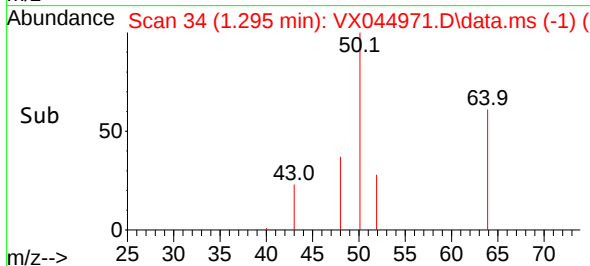
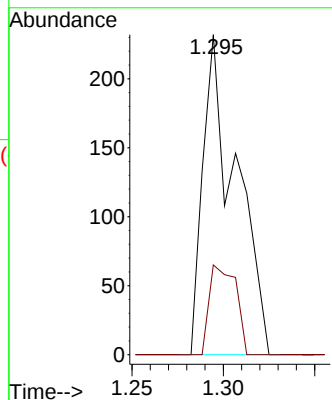
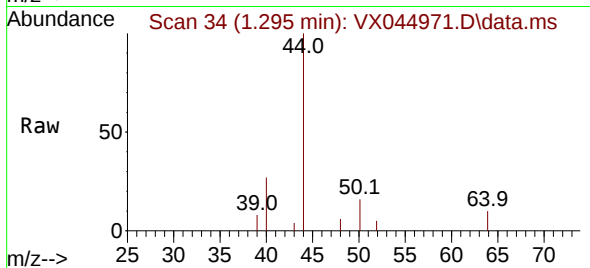




#3
Chloromethane
Concen: 0.226 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

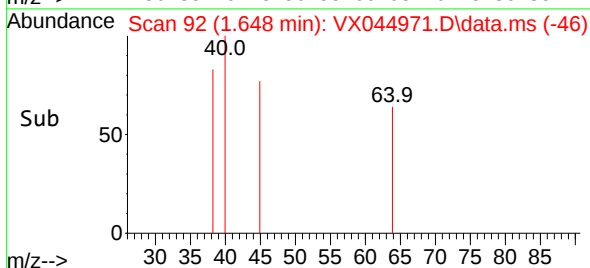
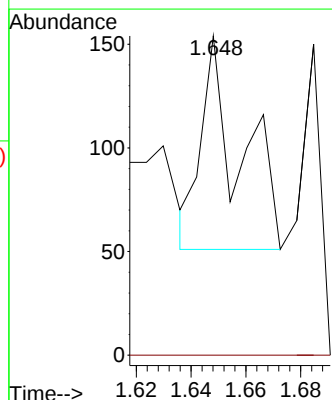
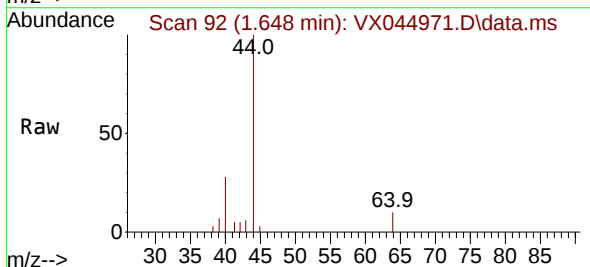
Instrument :
MSVOA_X
ClientSampleId :
MW-33D-021225

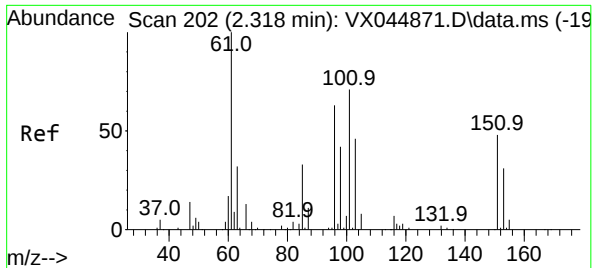
Tgt Ion: 50 Resp: 291
Ion Ratio Lower Upper
50 100
52 28.0 25.9 38.9



#6
Chloroethane
Concen: 1.508 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Tgt Ion: 64 Resp: 101
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

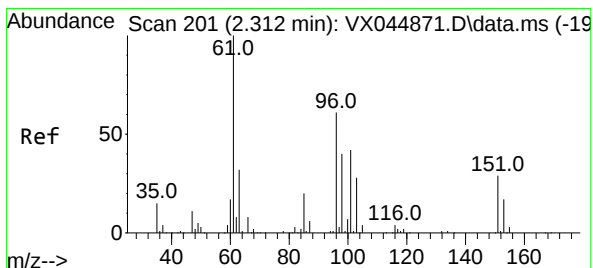
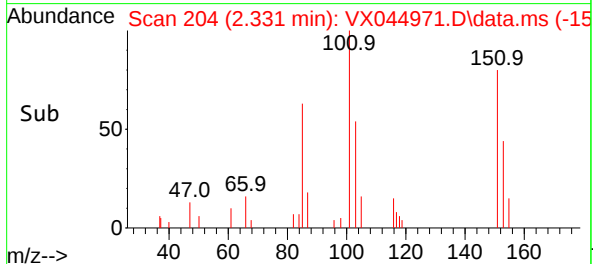
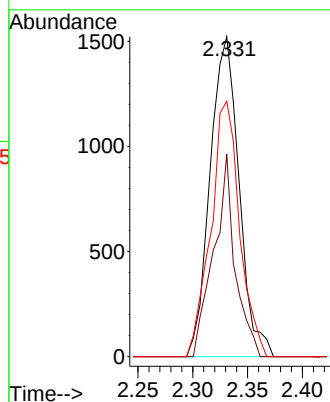
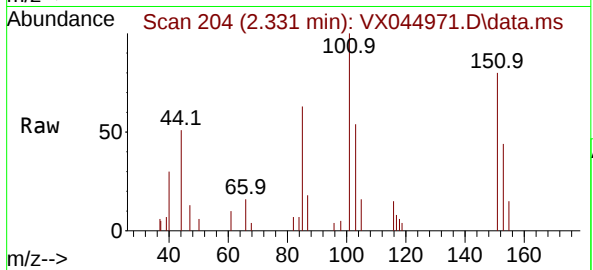




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.930 ug/l
 RT: 2.331 min Scan# 20
 Delta R.T. 0.013 min
 Lab File: VX044971.D
 Acq: 14 Feb 2025 18:57

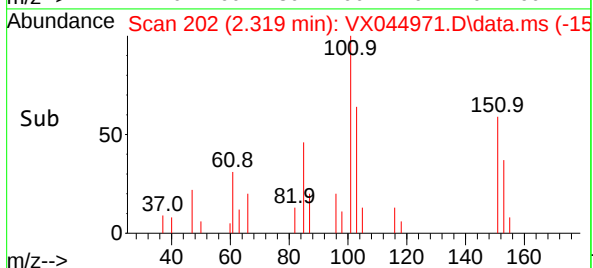
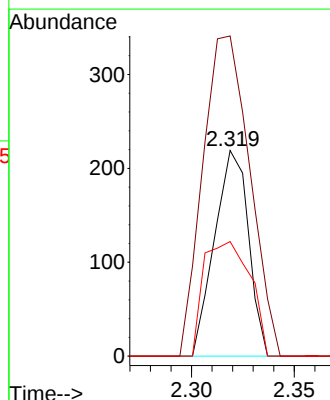
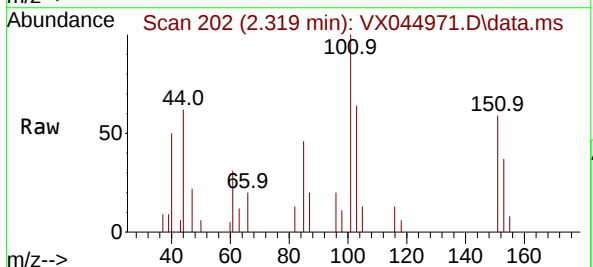
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-33D-021225

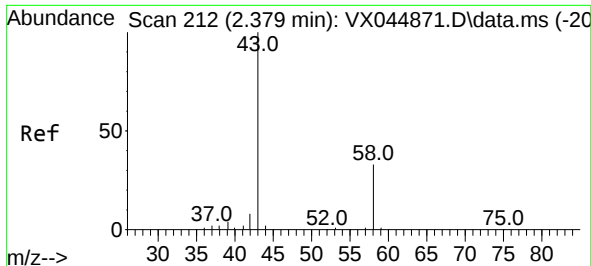
Tgt Ion:101 Resp: 2794
 Ion Ratio Lower Upper
 101 100
 85 46.9 35.7 53.5
 151 79.3 56.0 84.0



#12
 1,1-Dichloroethene
 Concen: 0.258 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. 0.006 min
 Lab File: VX044971.D
 Acq: 14 Feb 2025 18:57

Tgt Ion: 96 Resp: 251
 Ion Ratio Lower Upper
 96 100
 61 155.7 130.2 195.4
 98 55.7 52.2 78.4

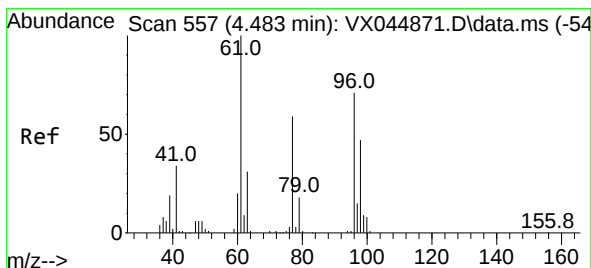
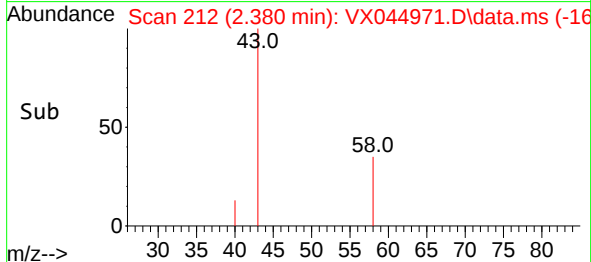
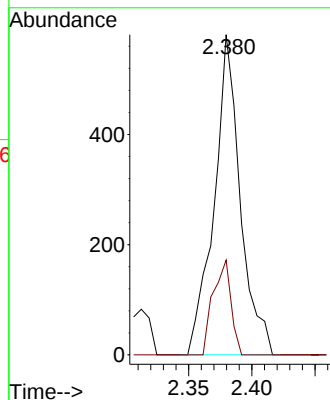
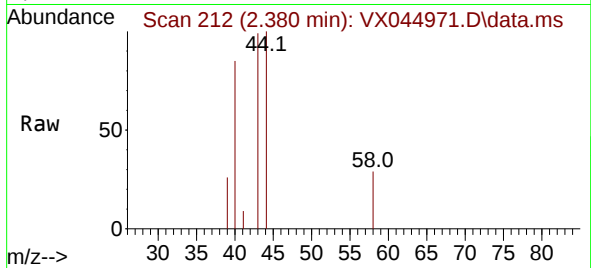




#16
Acetone
Concen: 1.880 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

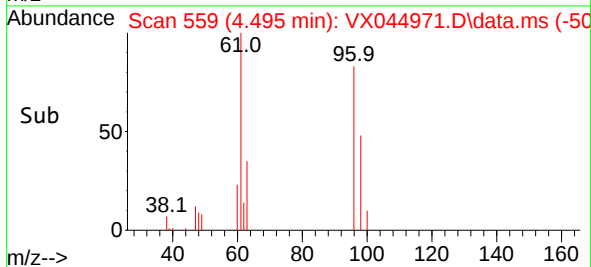
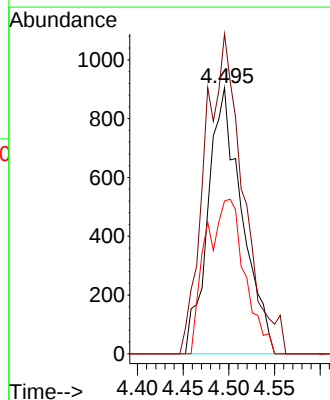
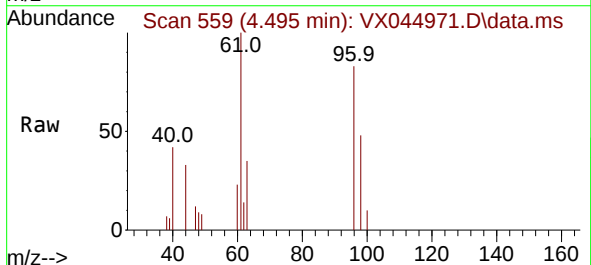
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ClientSampleId :
MW-33D-021225

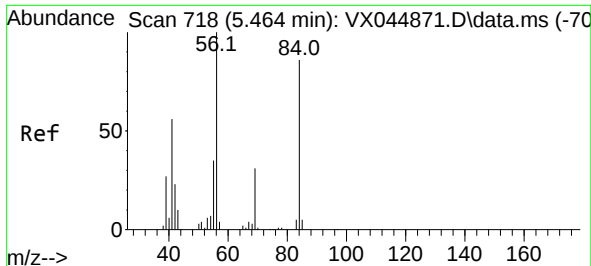
Tgt Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
58 29.6 26.5 39.7



#27
cis-1,2-Dichloroethene
Concen: 2.035 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.013 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Tgt Ion: 96 Resp: 2340
Ion Ratio Lower Upper
96 100
61 135.8 0.0 294.0
98 66.7 0.0 131.2

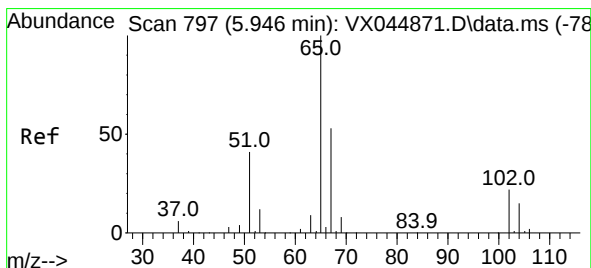
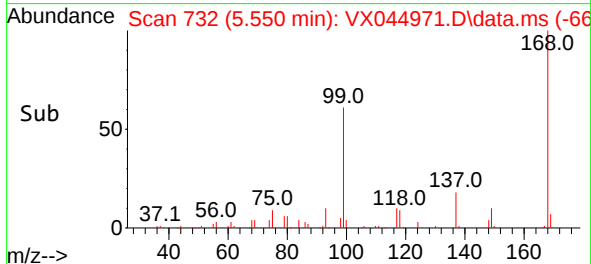
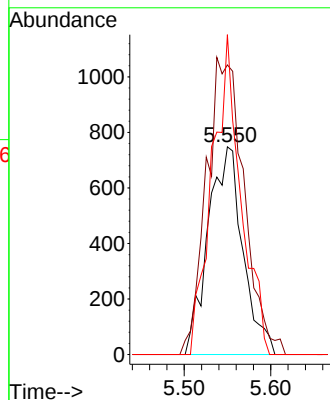
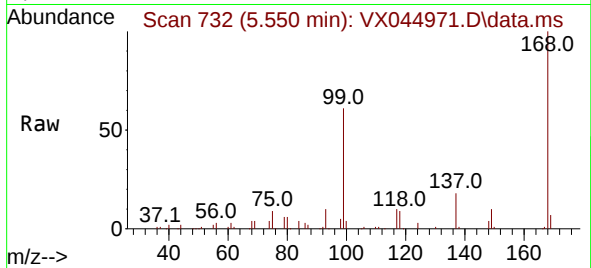




#31
Cyclohexane
Concen: 1.214 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

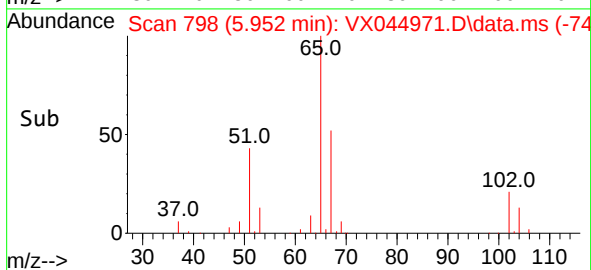
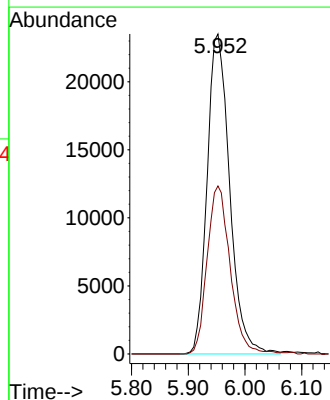
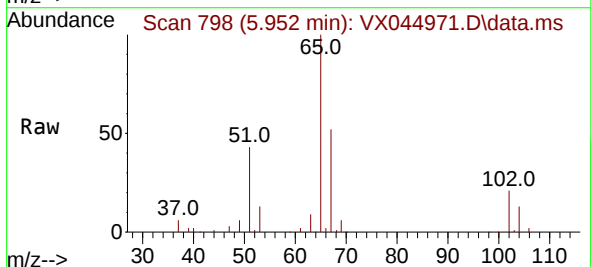
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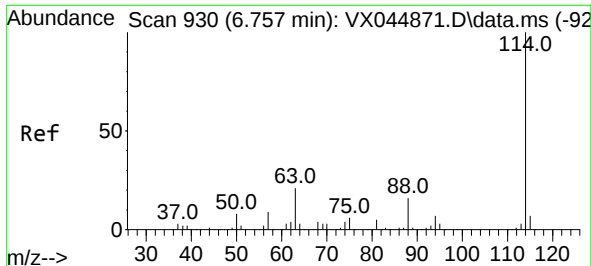
Tgt Ion: 56 Resp: 2082
Ion Ratio Lower Upper
56 100
69 139.4 24.4 36.6#
84 154.0 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 58.782 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Tgt Ion: 65 Resp: 64939
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.2

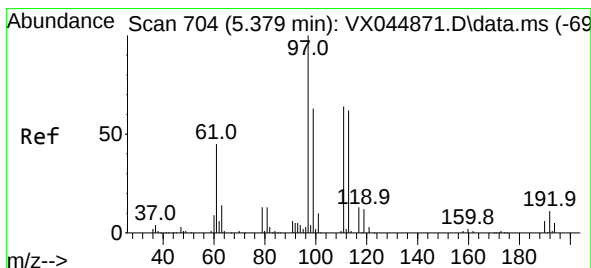
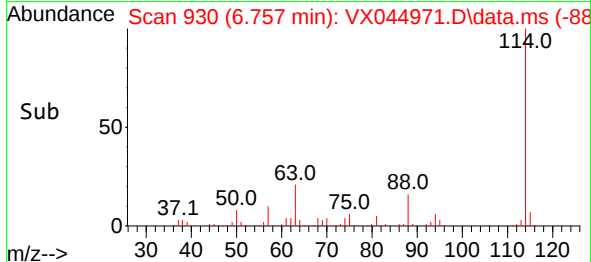
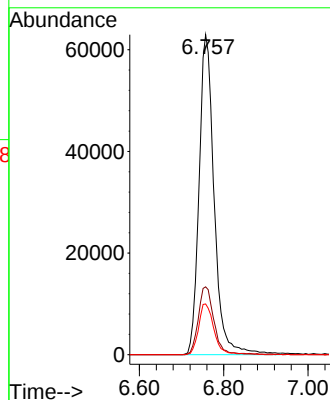
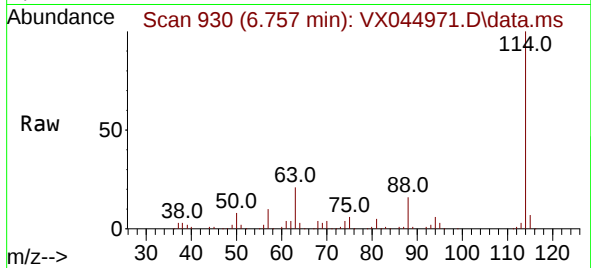




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

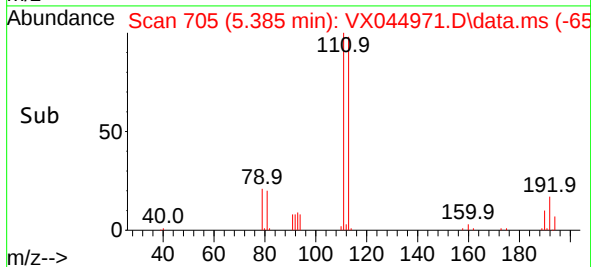
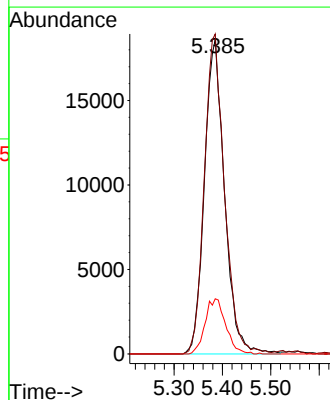
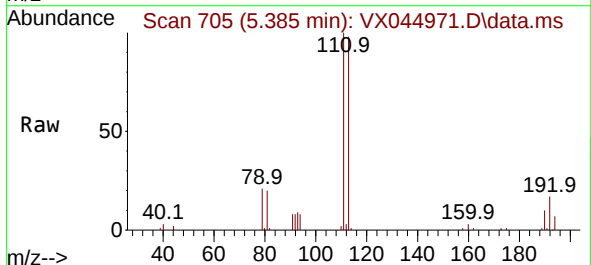
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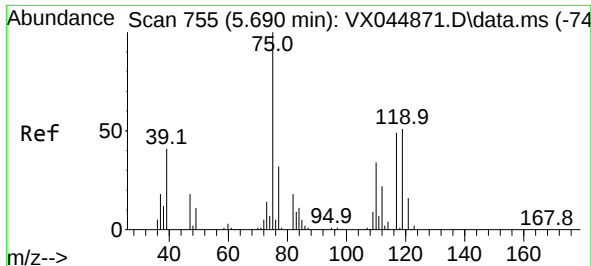
Tgt Ion:114 Resp: 157095
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.4
88 15.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.572 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Tgt Ion:113 Resp: 53696
Ion Ratio Lower Upper
113 100
111 101.9 83.5 125.3
192 18.0 14.4 21.6

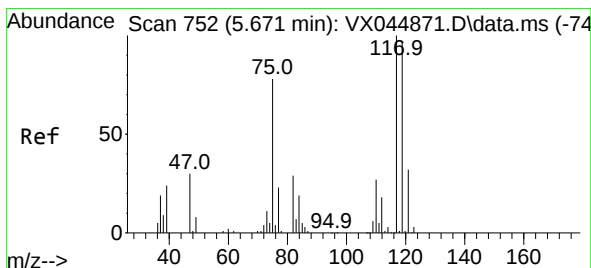
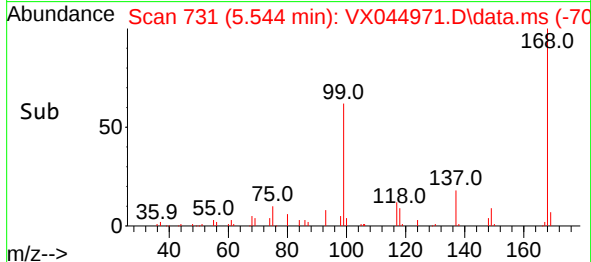
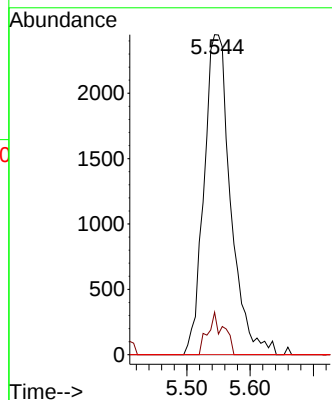
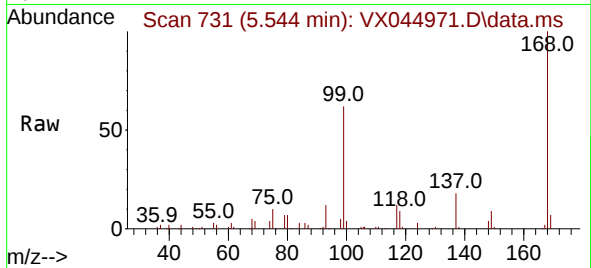




#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 5.544 min Scan# 711
 Delta R.T. -0.146 min
 Lab File: VX044971.D
 Acq: 14 Feb 2025 18:57

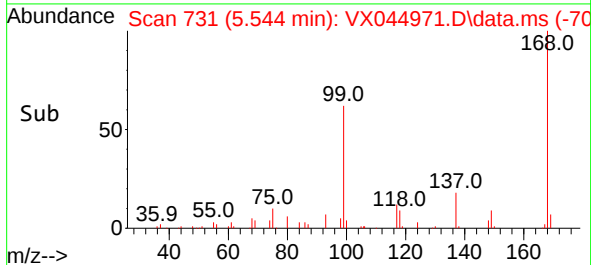
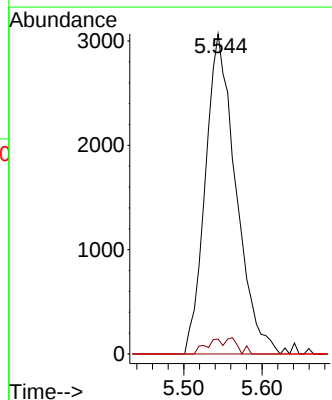
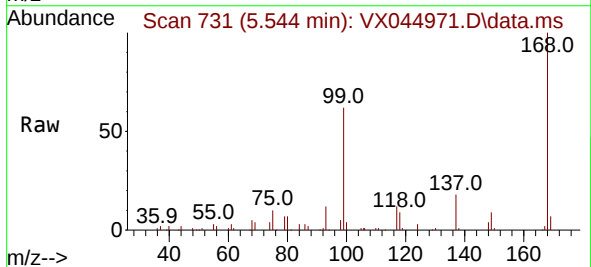
Instrument :
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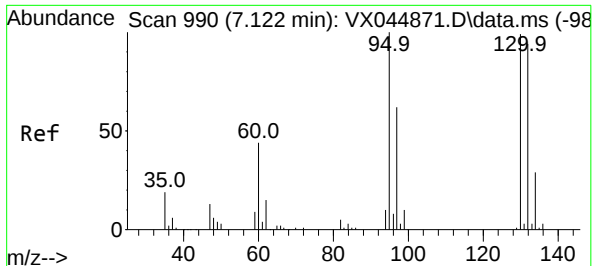
Tgt Ion: 75 Resp: 7174
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.2 51.6#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.746 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.128 min
 Lab File: VX044971.D
 Acq: 14 Feb 2025 18:57

Tgt Ion: 117 Resp: 8297
 Ion Ratio Lower Upper
 117 100
 119 4.6 77.5 116.3#
 121 0.0 25.6 38.4#

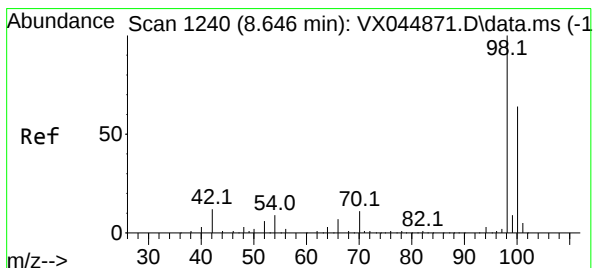
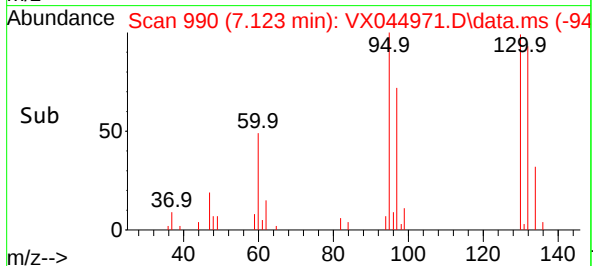
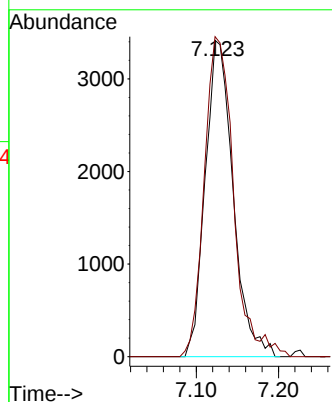
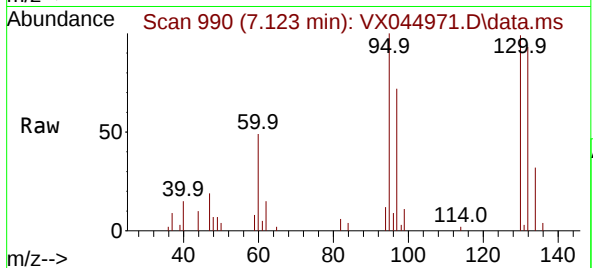




#44
Trichloroethene
Concen: 7.643 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

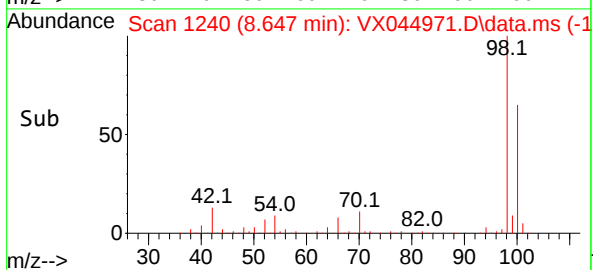
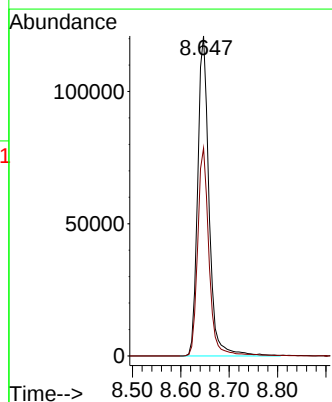
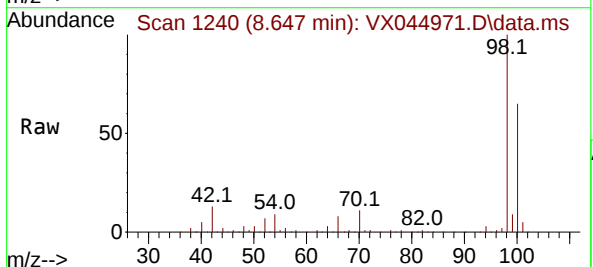
Instrument :
MSVOA_X
ClientSampleId :
MW-33D-021225

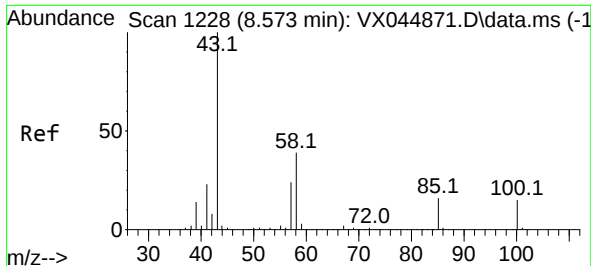
Tgt Ion:130 Resp: 8038
Ion Ratio Lower Upper
130 100
95 101.1 0.0 202.4



#50
Toluene-d8
Concen: 50.999 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Tgt Ion: 98 Resp: 196972
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1

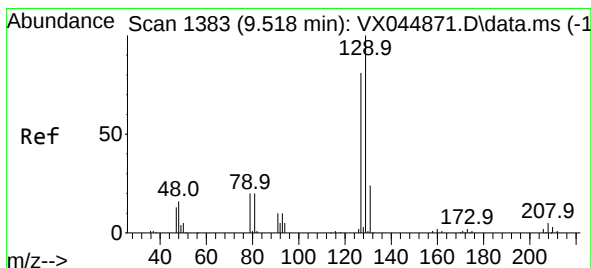
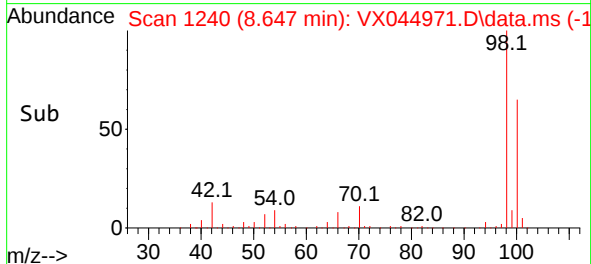
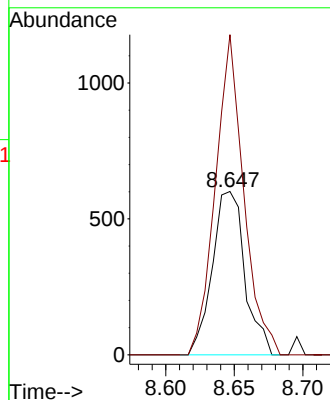
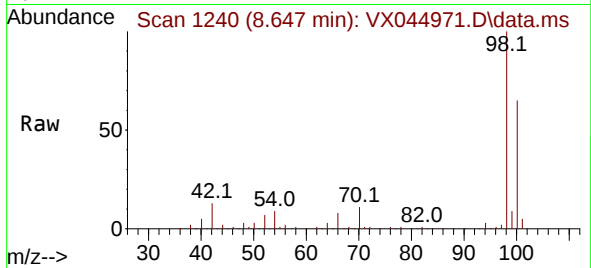




#51
4-Methyl-2-Pentanone
Concen: 0.616 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

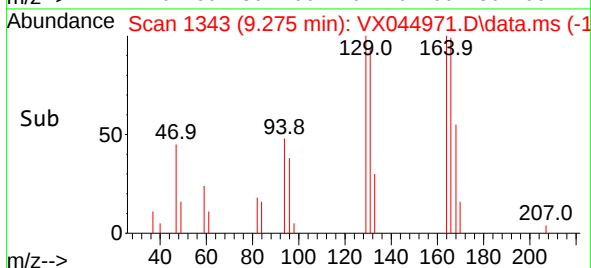
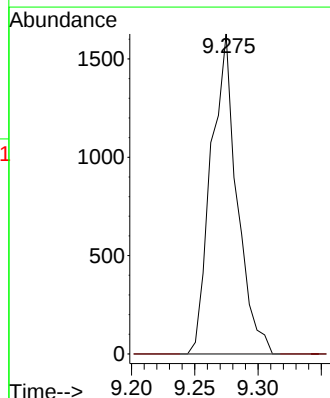
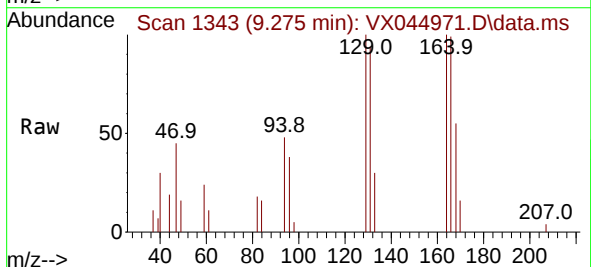
Instrument :
MSVOA_X
ClientSampleId :
MW-33D-021225

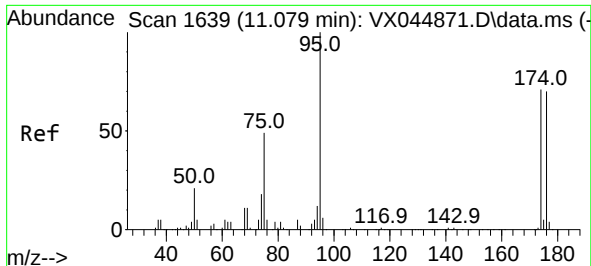
Tgt Ion: 43 Resp: 992
Ion Ratio Lower Upper
43 100
58 170.9 30.8 46.2#



#60
Dibromochloromethane
Concen: 2.065 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.243 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Tgt Ion: 129 Resp: 2327
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#

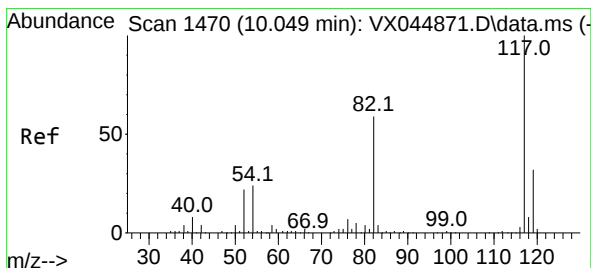
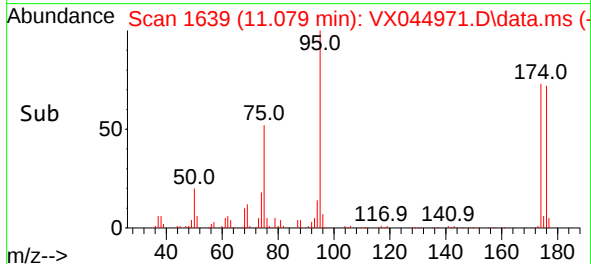
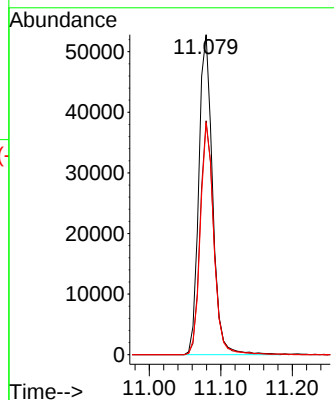
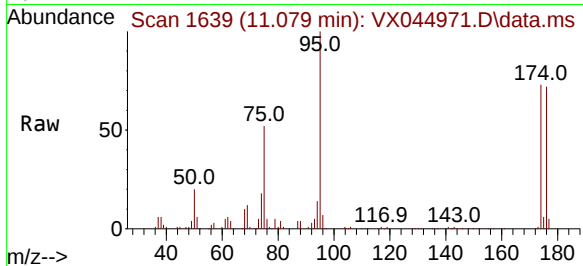




#62
4-Bromofluorobenzene
Concen: 54.072 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

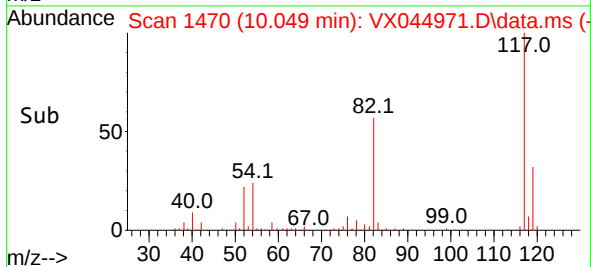
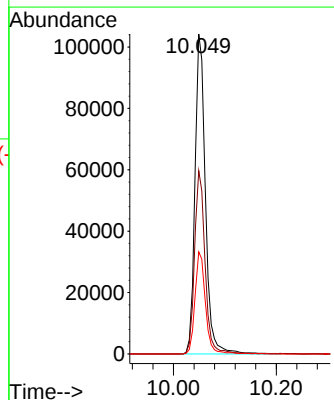
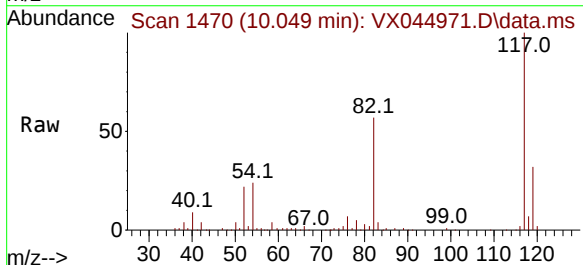
Instrument :
MSVOA_X
ClientSampleId :
MW-33D-021225

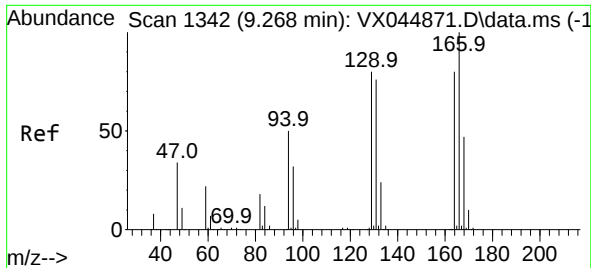
Tgt Ion: 95 Resp: 70404
Ion Ratio Lower Upper
95 100
174 72.6 0.0 142.6
176 70.8 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Tgt Ion: 117 Resp: 147557
Ion Ratio Lower Upper
117 100
82 57.3 47.5 71.3
119 31.9 25.4 38.0

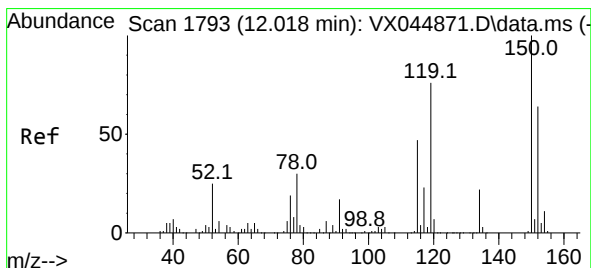
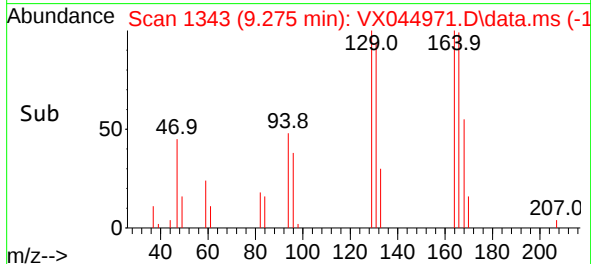
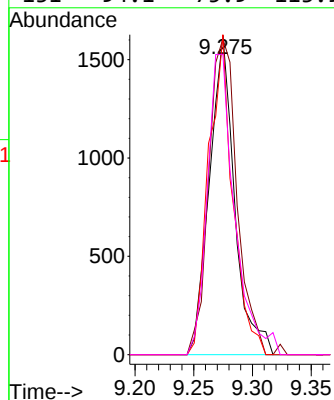
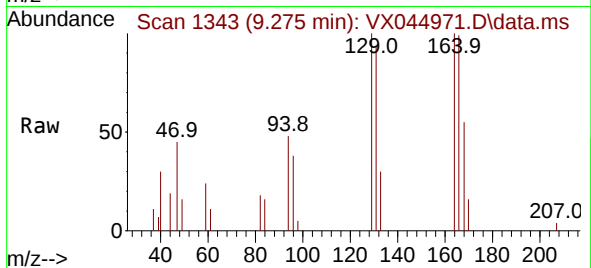




#64
Tetrachloroethene
Concen: 2.594 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

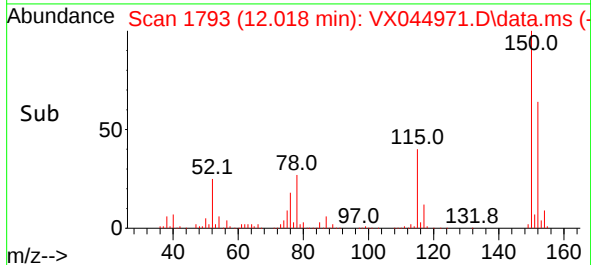
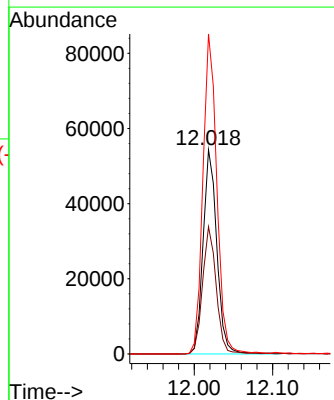
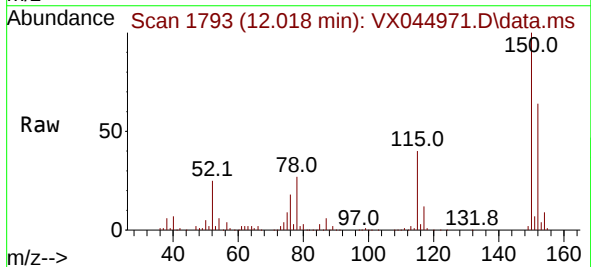
Instrument :
MSVOA_X
ClientSampleId :
MW-33D-021225

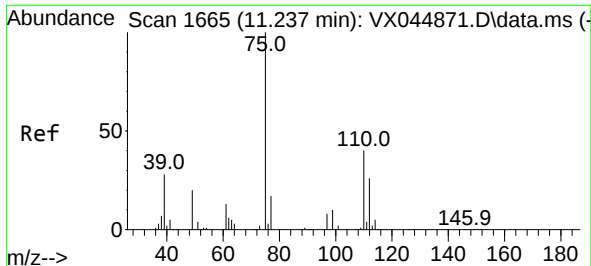
Tgt Ion:164 Resp: 2414
Ion Ratio Lower Upper
164 100
166 98.9 100.4 150.6#
129 100.2 79.9 119.9
131 94.1 75.9 113.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Tgt Ion:152 Resp: 66405
Ion Ratio Lower Upper
152 100
115 62.2 43.4 130.1
150 158.1 0.0 350.4

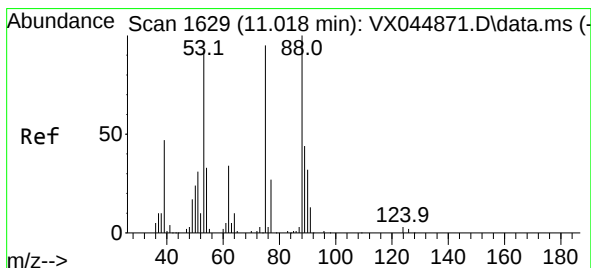
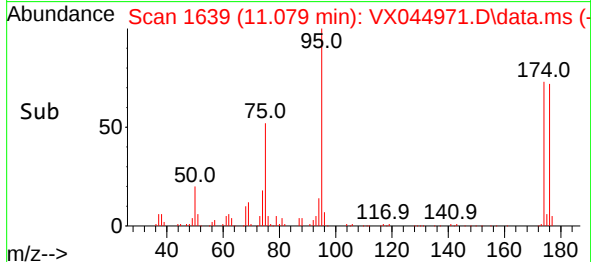
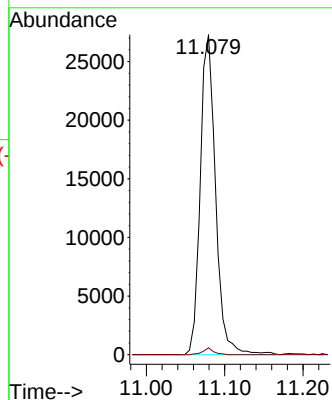
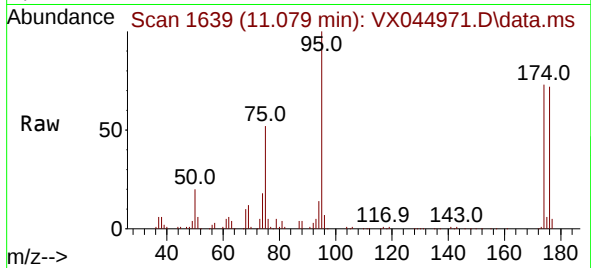




#76
1,2,3-Trichloropropane
Concen: 25.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Instrument :
MSVOA_X
ClientSampleId :
MW-33D-021225

Tgt Ion: 75 Resp: 37087
Ion Ratio Lower Upper
75 100
77 1.5 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.798 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044971.D
Acq: 14 Feb 2025 18:57

Tgt Ion: 75 Resp: 37087
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 36.6 54.8#

