

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044964.D
 Acq On : 14 Feb 2025 16:15
 Operator : JC/MD
 Sample : Q1363-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-30D-021125

Quant Time: Feb 14 22:16:24 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)

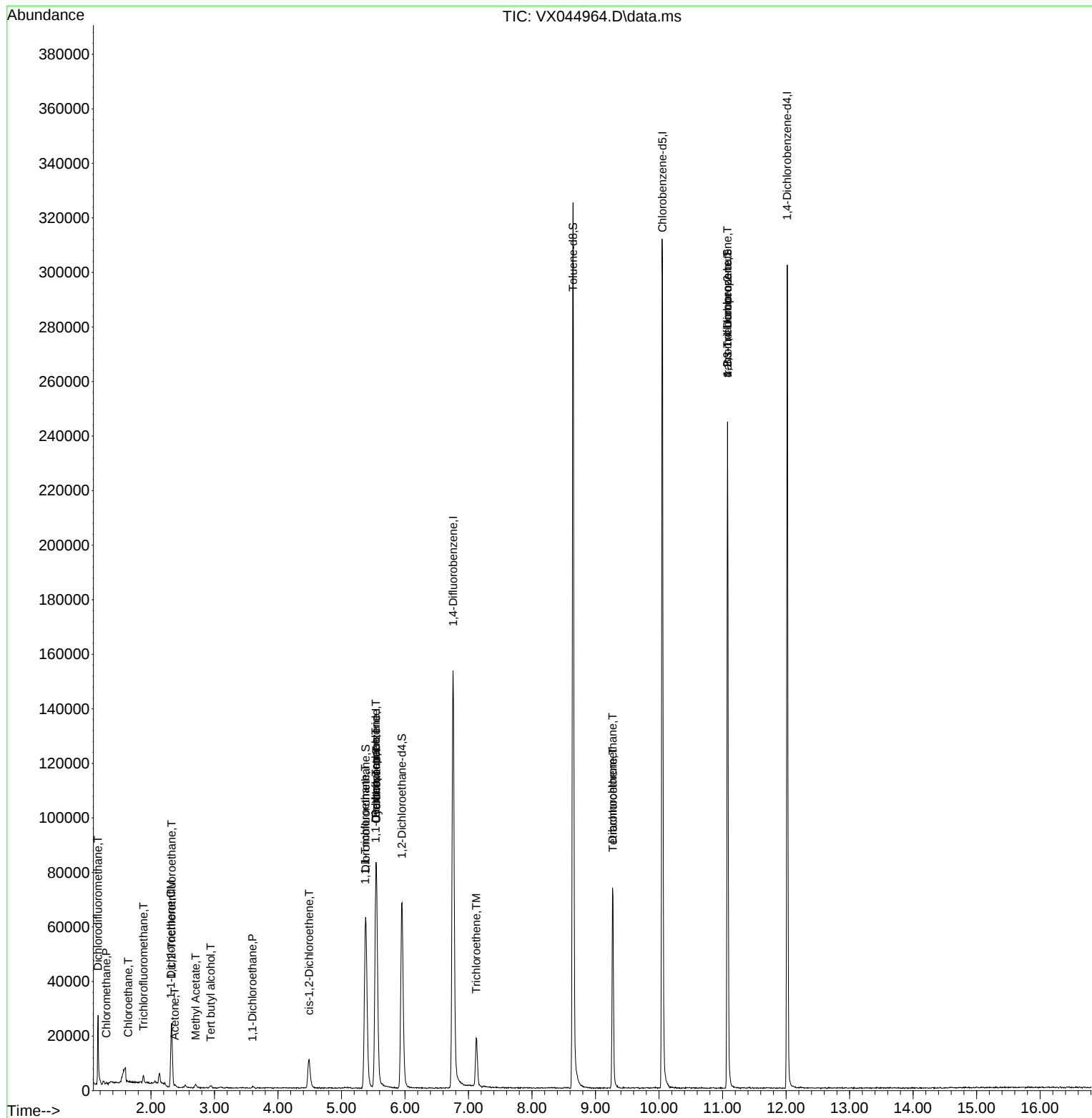
Internal Standards						
1) Pentafluorobenzene	5.544	168	78193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	161133	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	143961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63817	55.755	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.500%
35) Dibromofluoromethane	5.379	113	54021	51.565	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.120%
50) Toluene-d8	8.647	98	200150	50.523	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.040%
62) 4-Bromofluorobenzene	11.079	95	65634	49.145	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16240	14.808	ug/l	97
3) Chloromethane	1.294	50	380	0.285	ug/l	93
6) Chloroethane	1.642	64	61	1.439	ug/l #	42
7) Trichlorofluoromethane	1.880	101	1609	0.984	ug/l #	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	9002	9.111	ug/l	97
11) Tert butyl alcohol	2.940	59	312	1.469	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	625	0.620	ug/l #	81
16) Acetone	2.373	43	1036	2.251	ug/l	93
18) Methyl Acetate	2.703	43	1786	1.230	ug/l #	87
24) 1,1-Dichloroethane	3.599	63	616	0.319	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	6660	5.590	ug/l	92
31) Cyclohexane	5.550	56	2228	1.253	ug/l #	36
32) 1,1,1-Trichloroethane	5.373	97	2421	1.526	ug/l	99
36) 1,1-Dichloropropene	5.538	75	6795	4.496	ug/l #	50
38) Carbon Tetrachloride	5.544	117	8394	5.667	ug/l #	16
44) Trichloroethene	7.123	130	6814	6.316	ug/l	99
60) Dibromochloromethane	9.269	129	14085	12.189	ug/l #	10
64) Tetrachloroethene	9.275	164	14128	15.561	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	35047	27.176	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	35047	69.906	ug/l #	11

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

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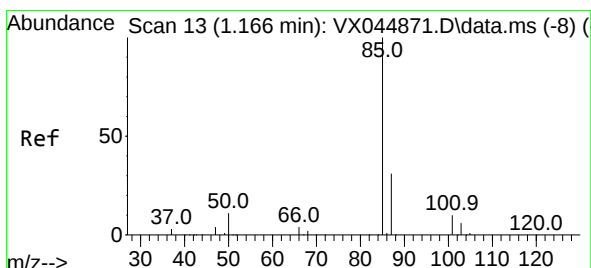
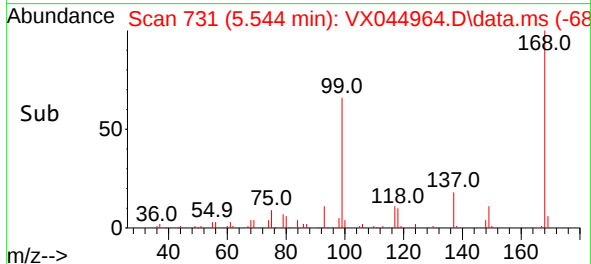
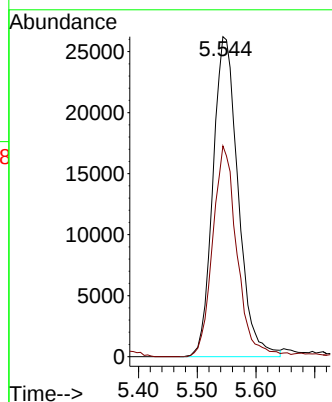
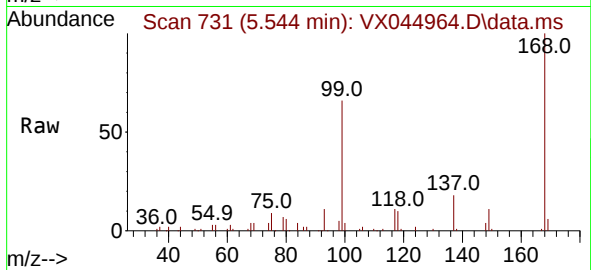




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

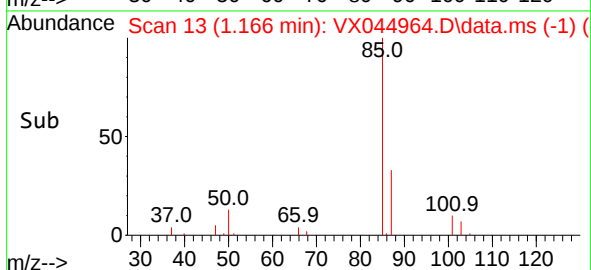
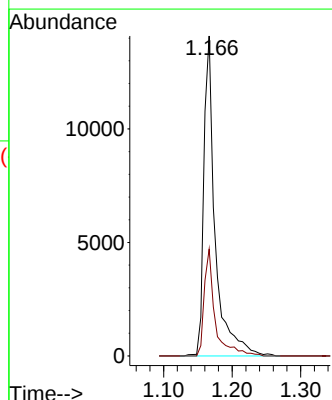
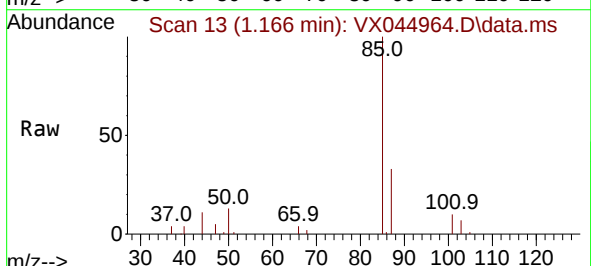
Instrument :
MSVOA_X
ClientSampleId :
MW-30D-021125

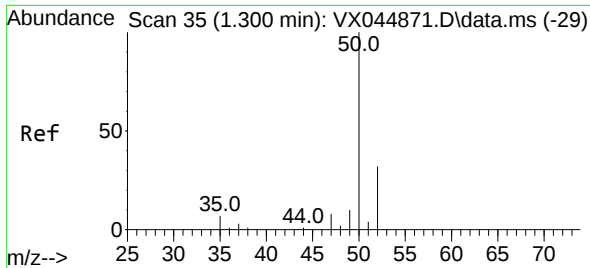
Tgt Ion:168 Resp: 78193
Ion Ratio Lower Upper
168 100
99 65.8 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 14.808 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion: 85 Resp: 16240
Ion Ratio Lower Upper
85 100
87 33.4 15.8 47.3

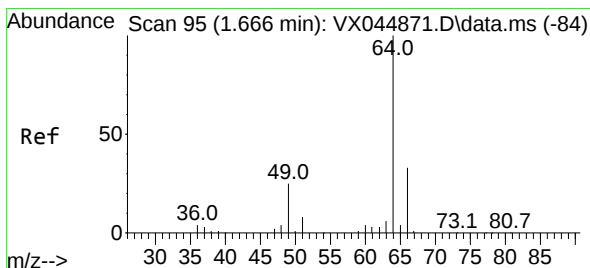
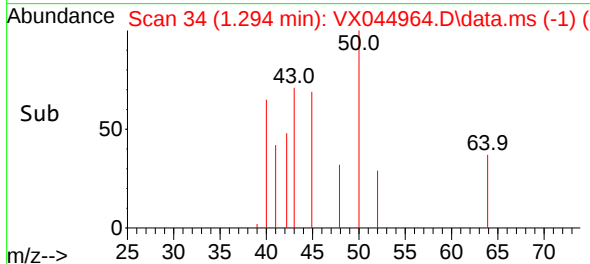
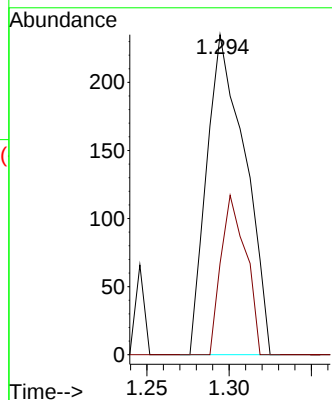
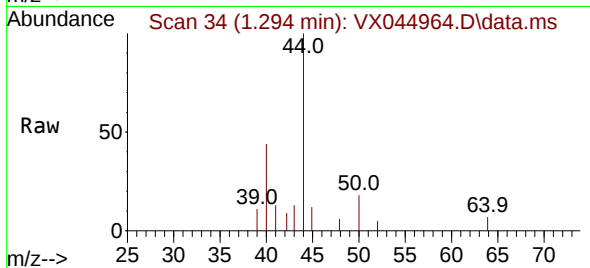




#3
Chloromethane
Concen: 0.285 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

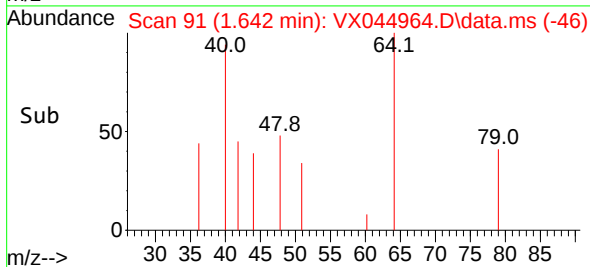
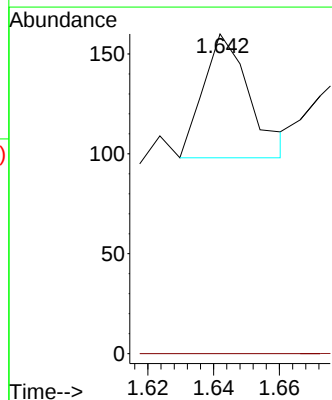
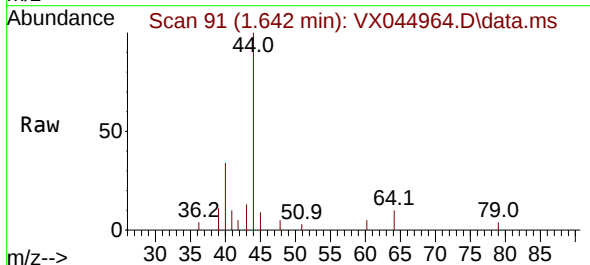
Instrument :
MSVOA_X
ClientSampleId :
MW-30D-021125

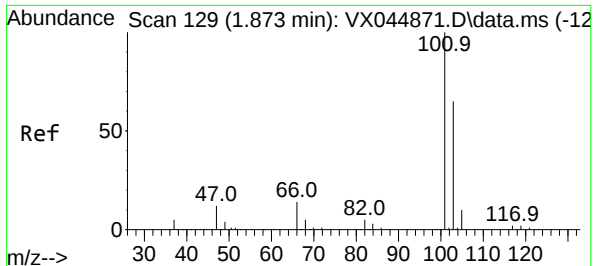
Tgt Ion: 50 Resp: 380
Ion Ratio Lower Upper
50 100
52 28.5 25.9 38.9



#6
Chloroethane
Concen: 1.439 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

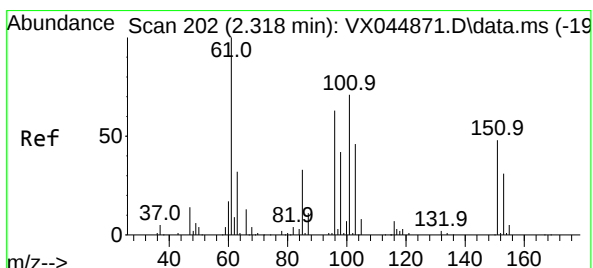
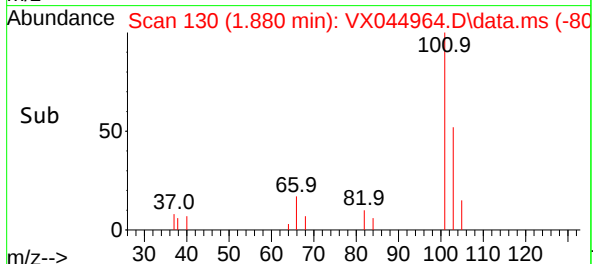
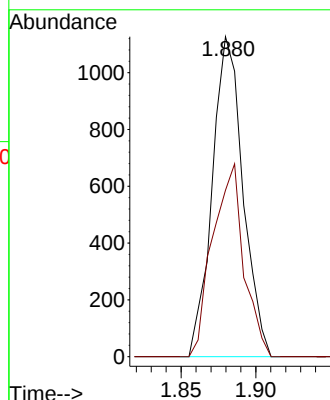
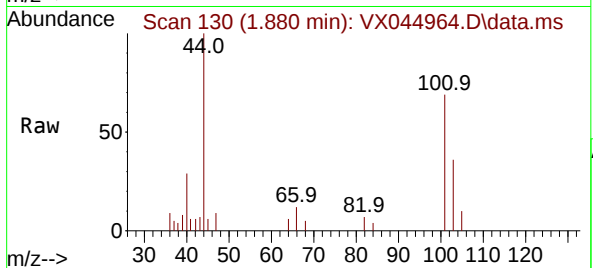




#7
 Trichlorofluoromethane
 Concen: 0.984 ug/l
 RT: 1.880 min Scan# 11
 Delta R.T. 0.007 min
 Lab File: VX044964.D
 Acq: 14 Feb 2025 16:15

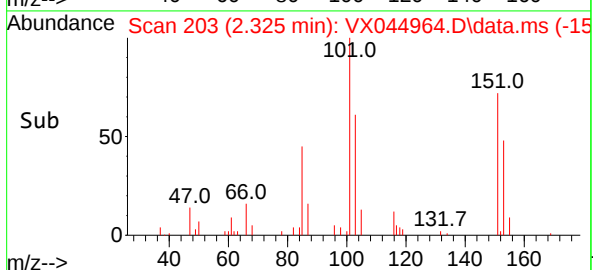
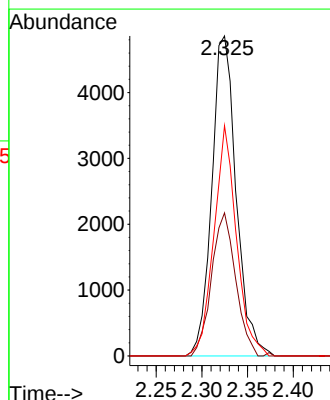
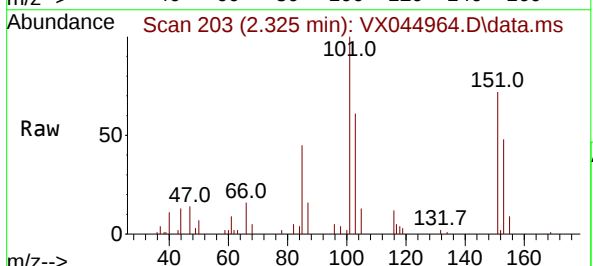
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-30D-021125

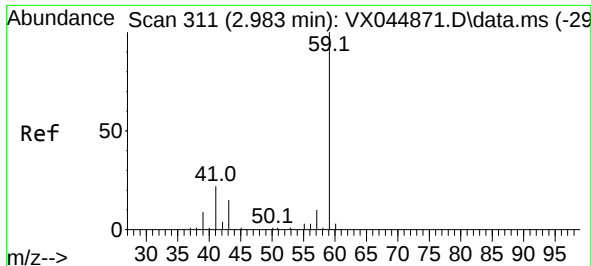
Tgt Ion:101 Resp: 1609
 Ion Ratio Lower Upper
 101 100
 103 52.0 52.4 78.6#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.111 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. 0.006 min
 Lab File: VX044964.D
 Acq: 14 Feb 2025 16:15

Tgt Ion:101 Resp: 9002
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.7 53.5
 151 66.7 56.0 84.0

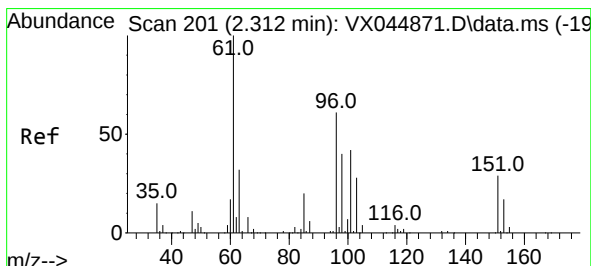
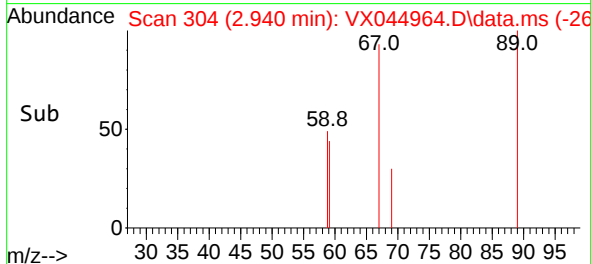
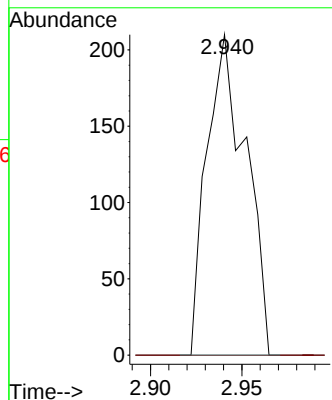
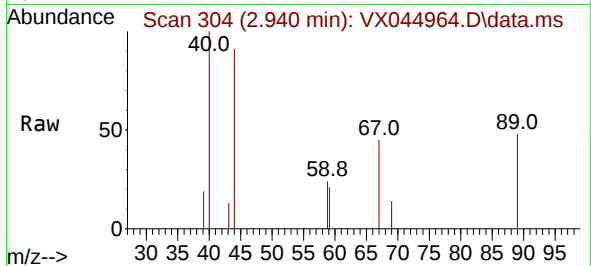




#11
Tert butyl alcohol
Concen: 1.469 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.042 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

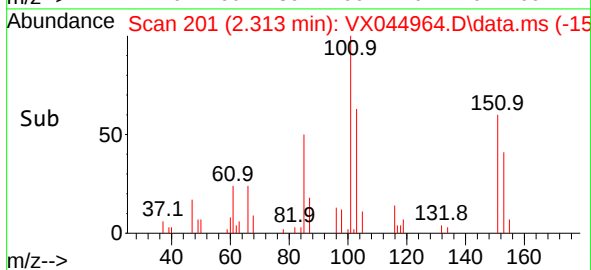
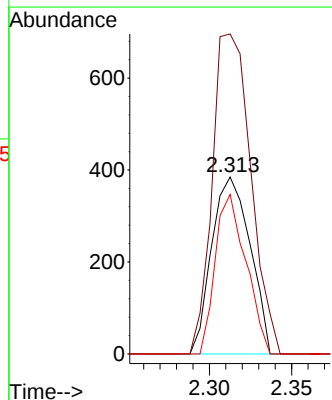
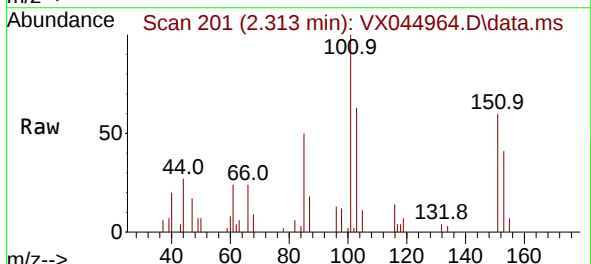
Instrument :
MSVOA_X
ClientSampleId :
MW-30D-021125

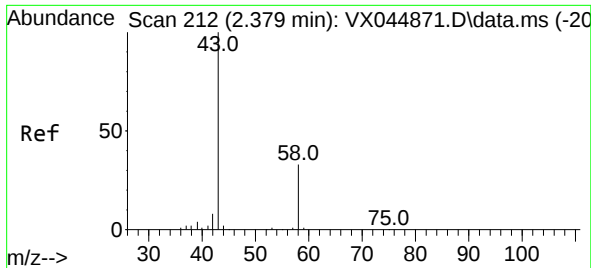
Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 0.620 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion: 96 Resp: 625
Ion Ratio Lower Upper
96 100
61 180.8 130.2 195.4
98 90.1 52.2 78.4#

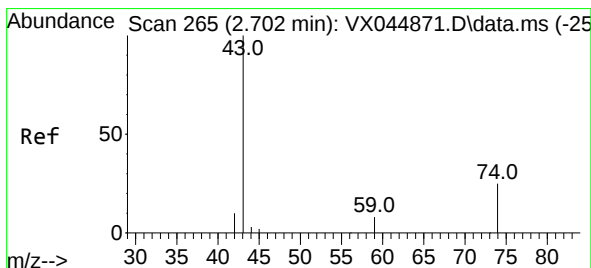
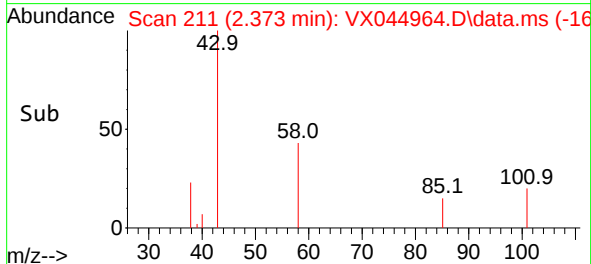
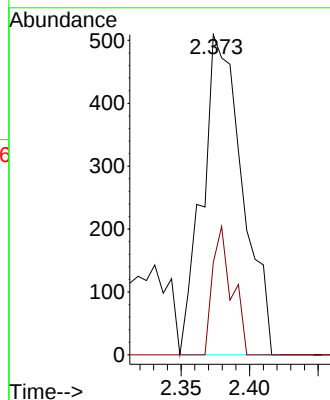
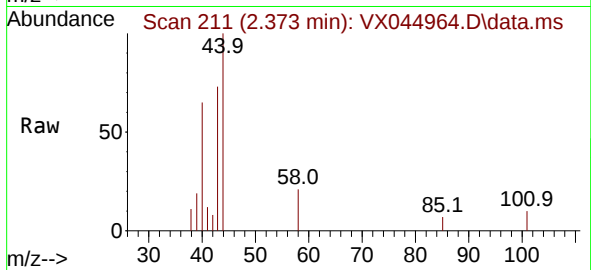




#16
Acetone
Concen: 2.251 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

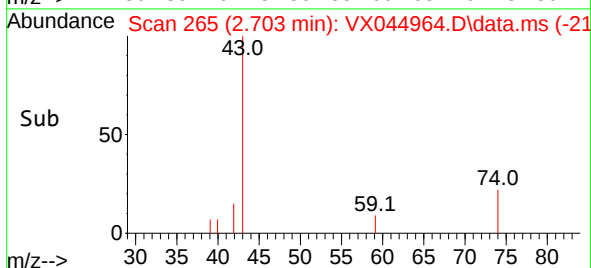
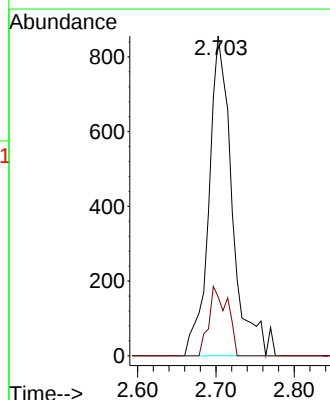
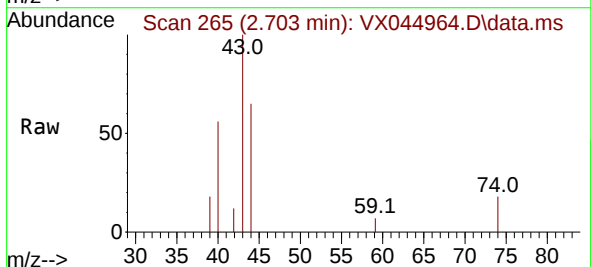
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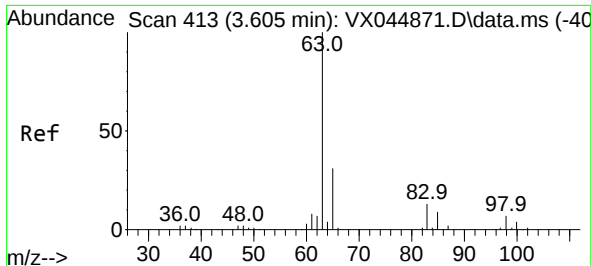
Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
58 28.9 26.5 39.7



#18
Methyl Acetate
Concen: 1.230 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
74 17.2 18.9 28.3#

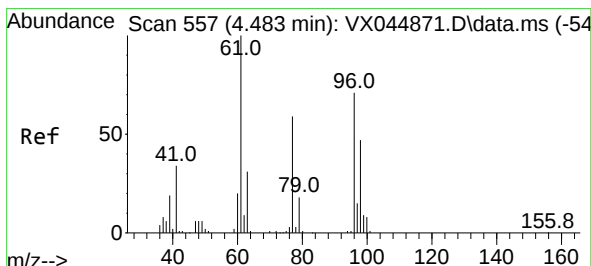
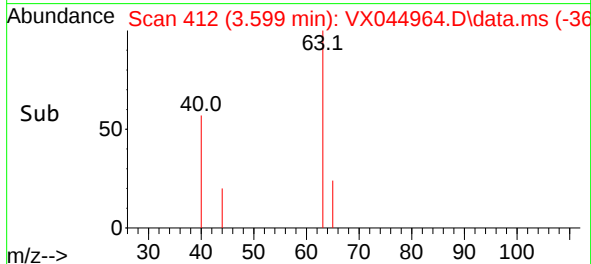
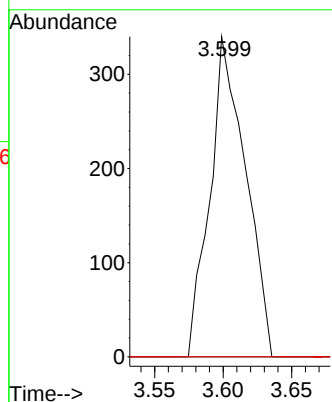
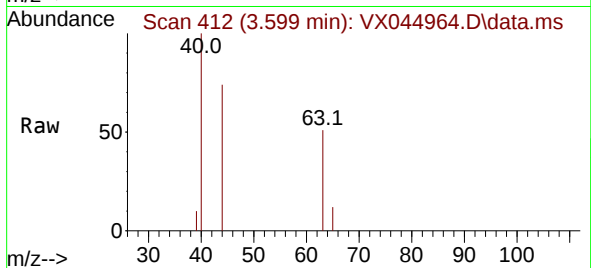




#24
1,1-Dichloroethane
Concen: 0.319 ug/l
RT: 3.599 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

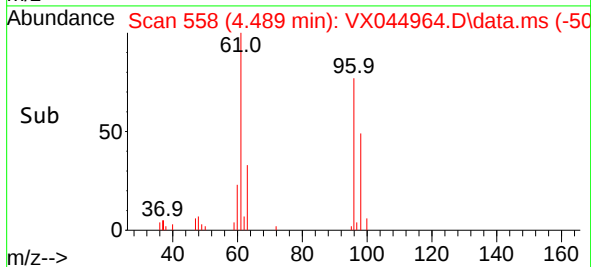
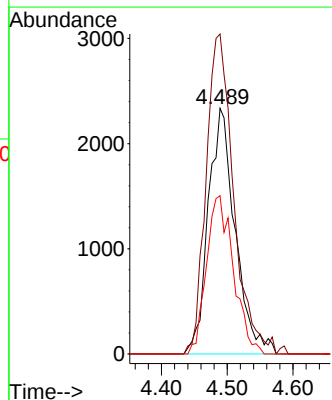
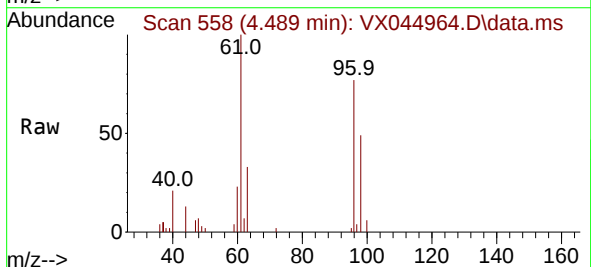
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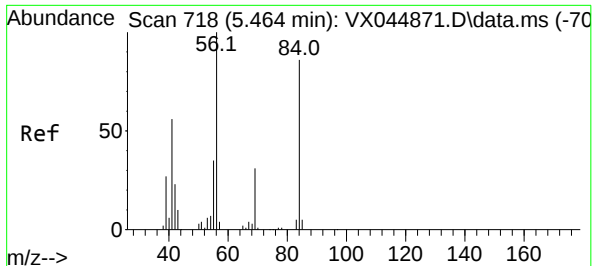
Tgt Ion: 63 Resp: 616
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 5.590 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion: 96 Resp: 6660
Ion Ratio Lower Upper
96 100
61 133.6 0.0 294.0
98 64.5 0.0 131.2

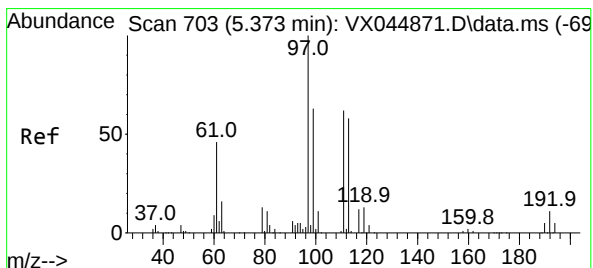
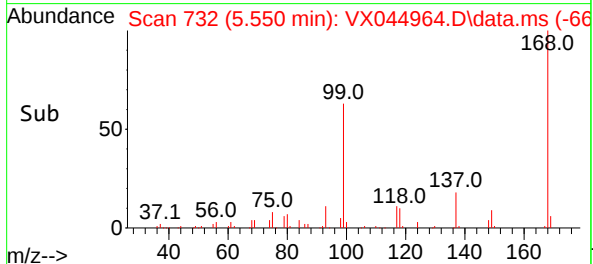
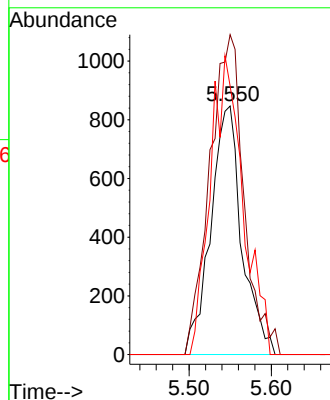
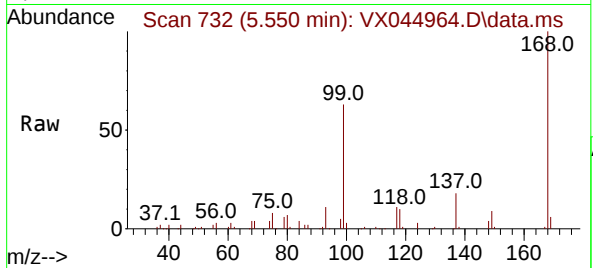




#31
Cyclohexane
Concen: 1.253 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

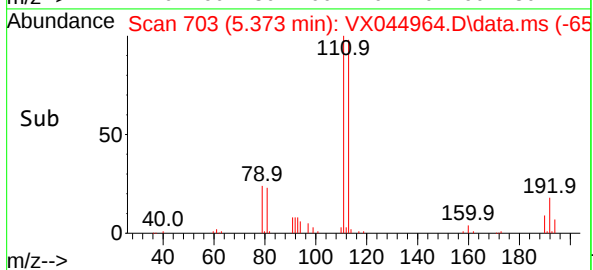
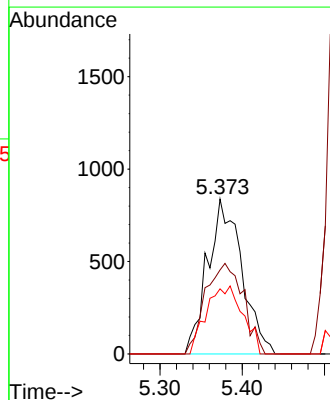
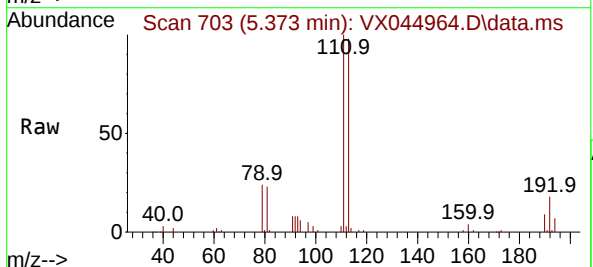
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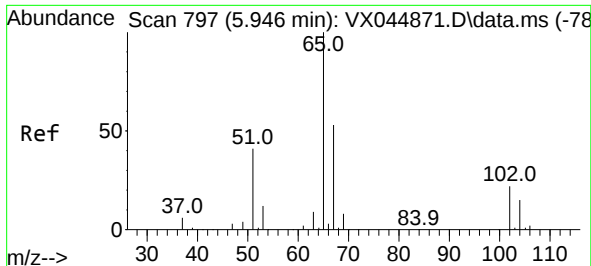
Tgt Ion: 56 Resp: 2228
Ion Ratio Lower Upper
56 100
69 128.7 24.4 36.6#
84 108.0 69.0 103.6#



#32
1,1,1-Trichloroethane
Concen: 1.526 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion: 97 Resp: 2421
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.6
61 46.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 55.755 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

Instrument :

MSVOA_X

ClientSampleId :

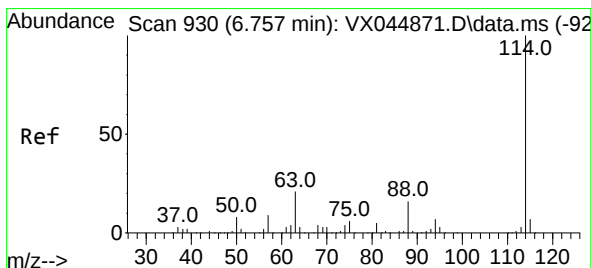
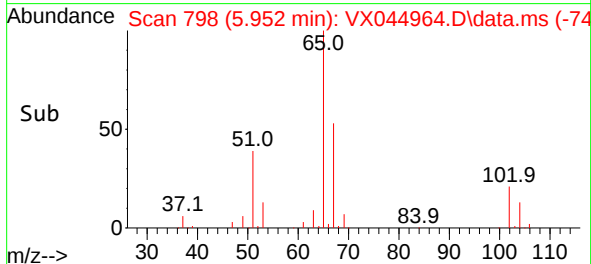
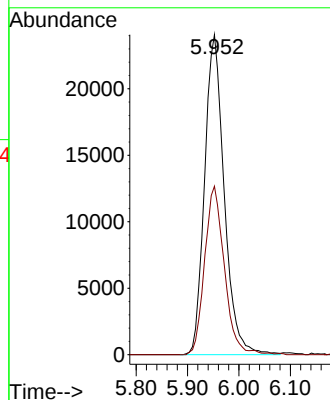
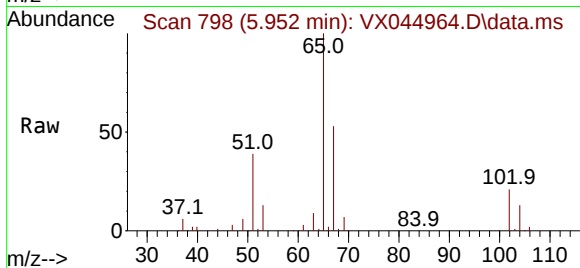
MW-30D-021125

Tgt Ion: 65 Resp: 63817

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

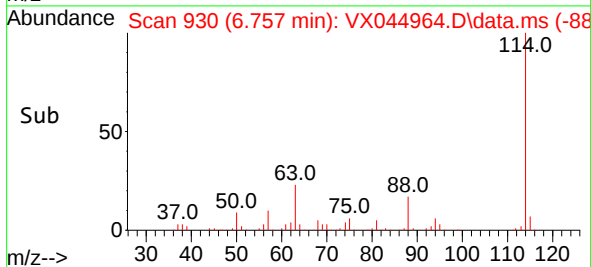
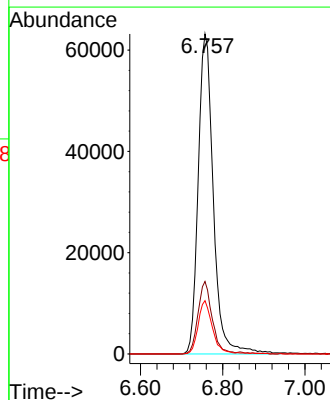
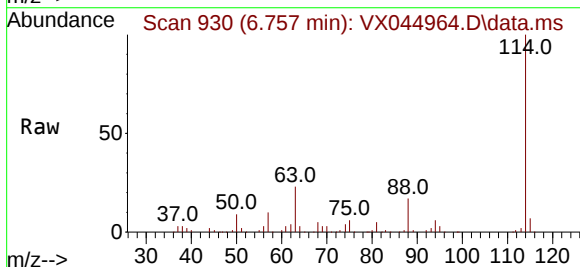
Tgt Ion: 114 Resp: 161133

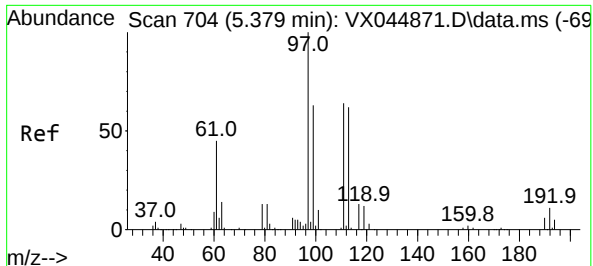
Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.4

88 16.6 0.0 31.4

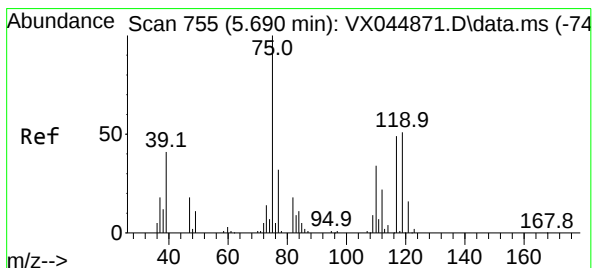
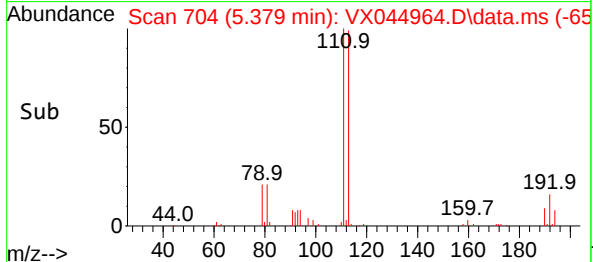
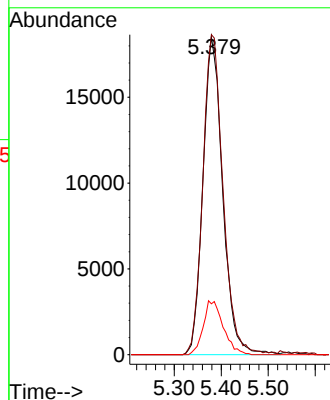
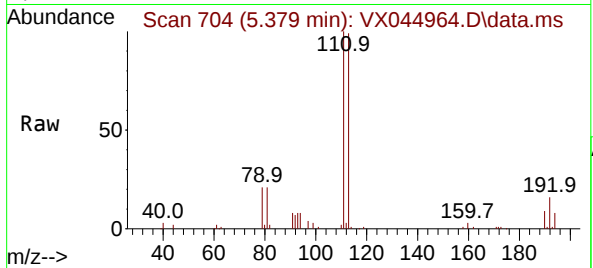




#35
Dibromofluoromethane
Concen: 51.565 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

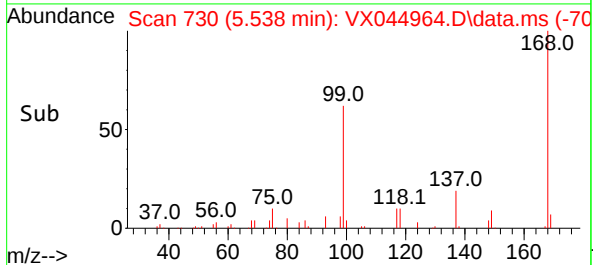
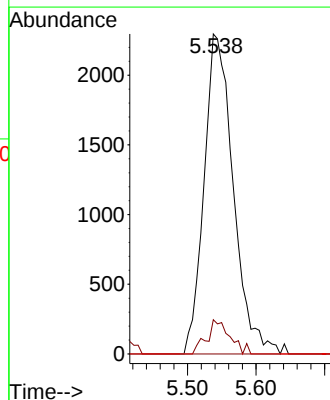
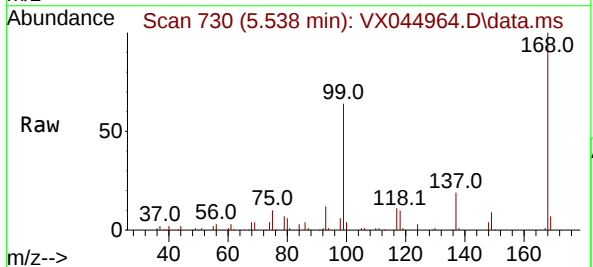
Instrument :
MSVOA_X
ClientSampleId :
MW-30D-021125

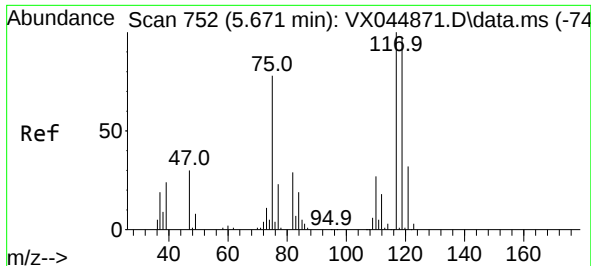
Tgt Ion:113 Resp: 54021
Ion Ratio Lower Upper
113 100
111 103.0 83.5 125.3
192 17.2 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.496 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

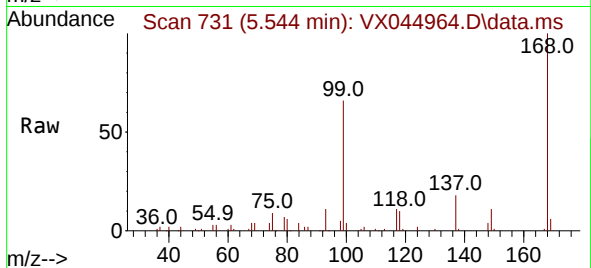
Tgt Ion: 75 Resp: 6795
Ion Ratio Lower Upper
75 100
110 8.4 17.2 51.6#
77 0.0 24.6 37.0#



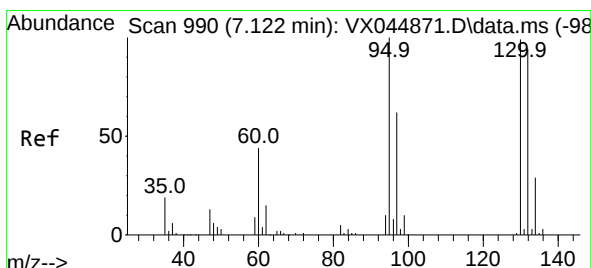
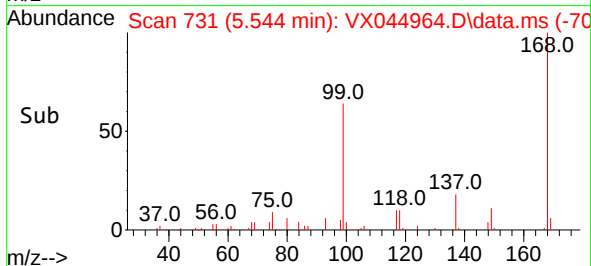
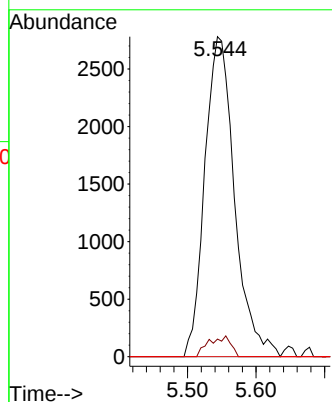


#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
MW-30D-021125

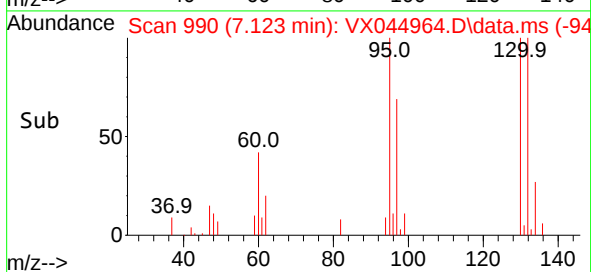
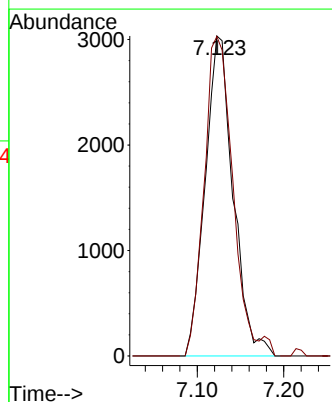
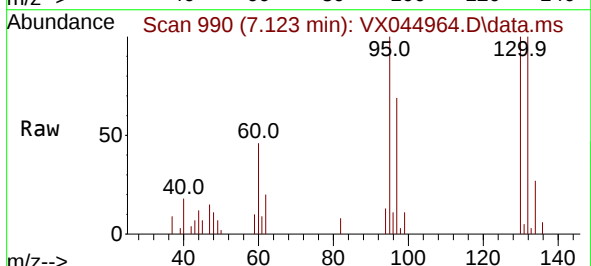


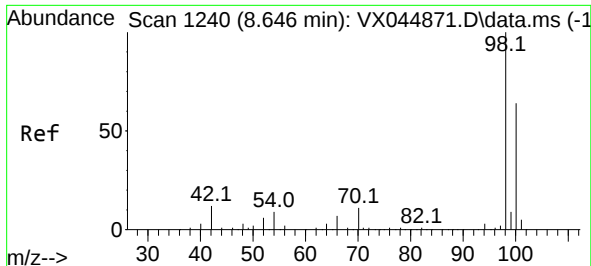
Tgt Ion:117 Resp: 8394
Ion Ratio Lower Upper
117 100
119 5.5 77.5 116.3#
121 0.0 25.6 38.4#



#44
Trichloroethene
Concen: 6.316 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion:130 Resp: 6814
Ion Ratio Lower Upper
130 100
95 99.8 0.0 202.4

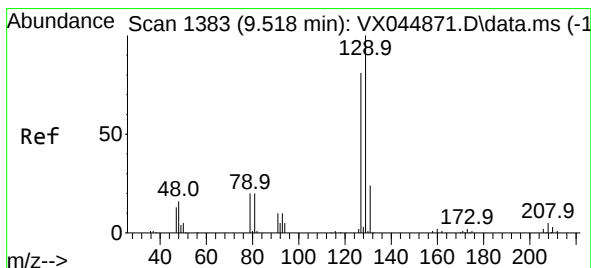
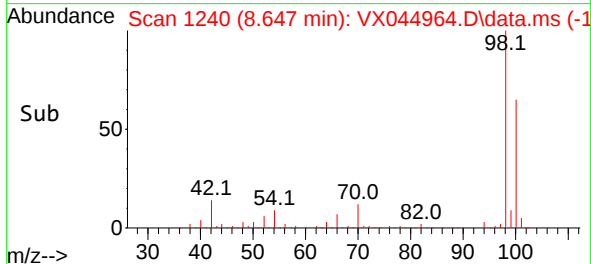
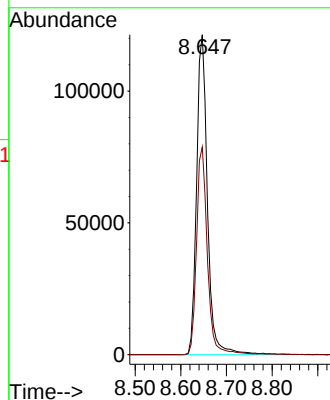
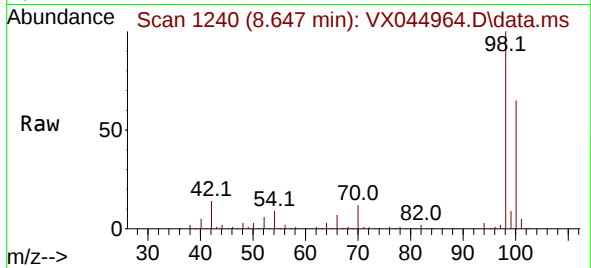




#50
Toluene-d8
Concen: 50.523 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

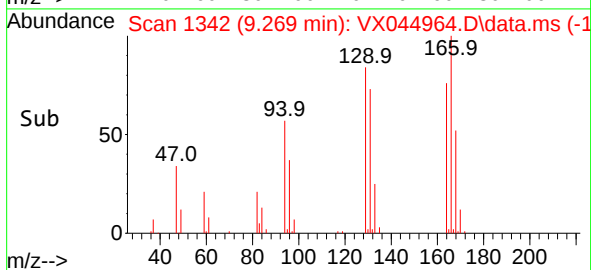
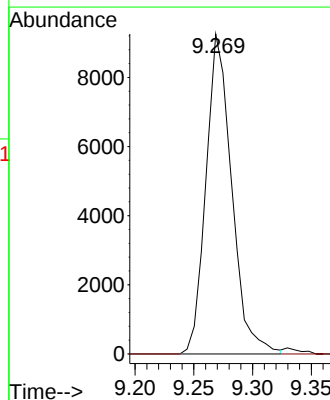
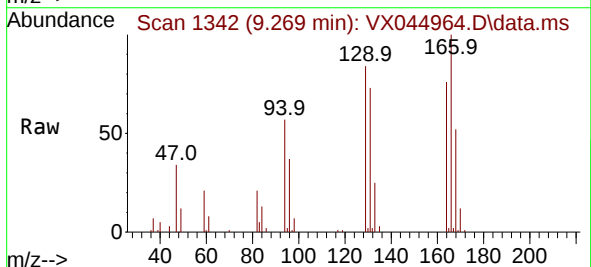
Instrument :
MSVOA_X
ClientSampleId :
MW-30D-021125

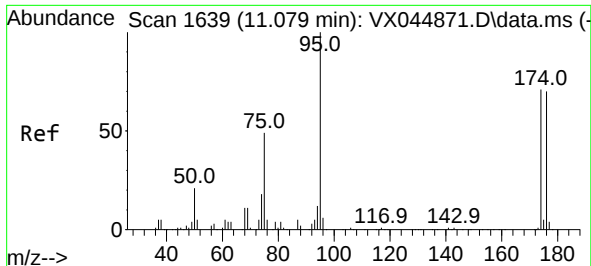
Tgt Ion: 98 Resp: 200150
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1



#60
Dibromochloromethane
Concen: 12.189 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion: 129 Resp: 14085
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#

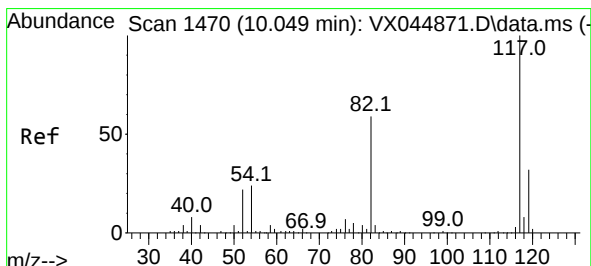
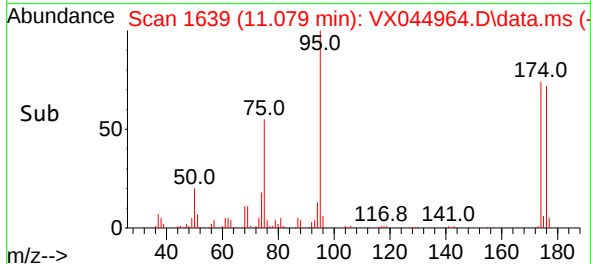
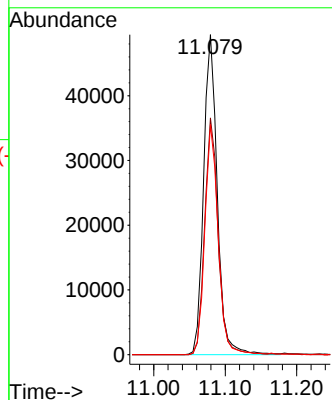
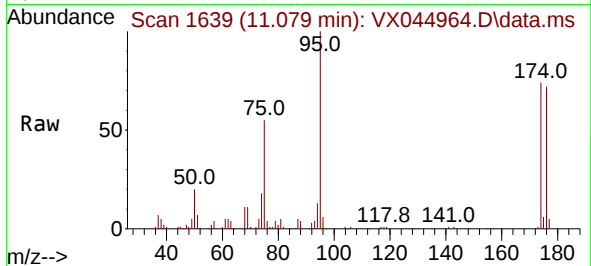




#62
4-Bromofluorobenzene
Concen: 49.145 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

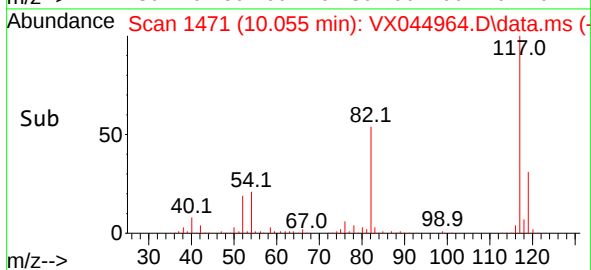
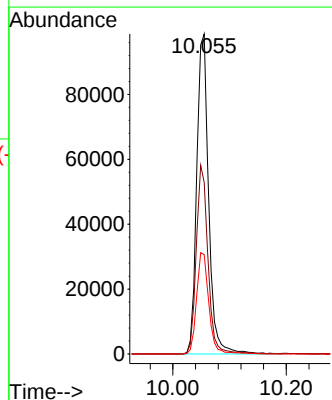
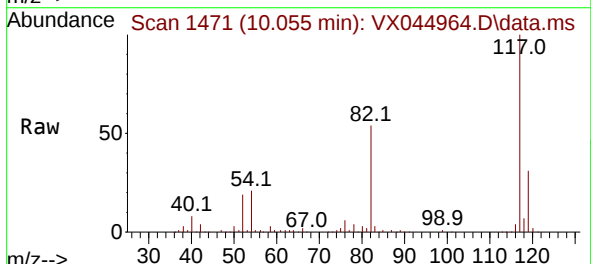
Instrument :
MSVOA_X
ClientSampleId :
MW-30D-021125

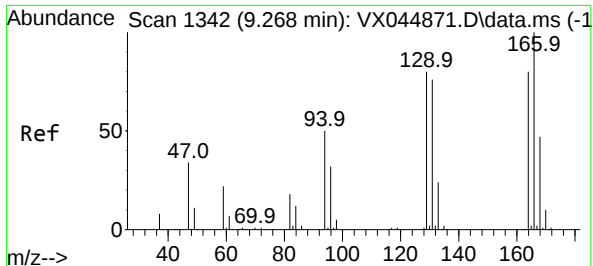
Tgt Ion: 95 Resp: 65634
Ion Ratio Lower Upper
95 100
174 73.0 0.0 142.6
176 70.4 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion: 117 Resp: 143961
Ion Ratio Lower Upper
117 100
82 53.7 47.5 71.3
119 31.0 25.4 38.0

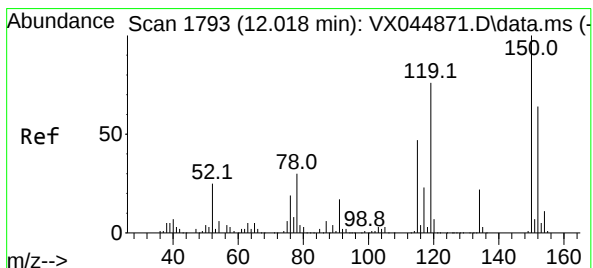
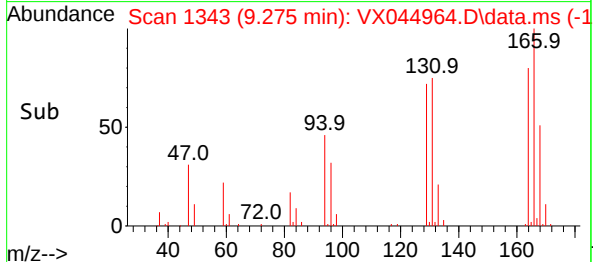
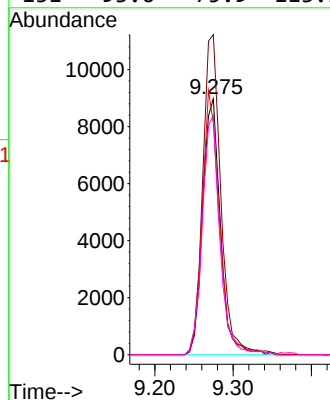
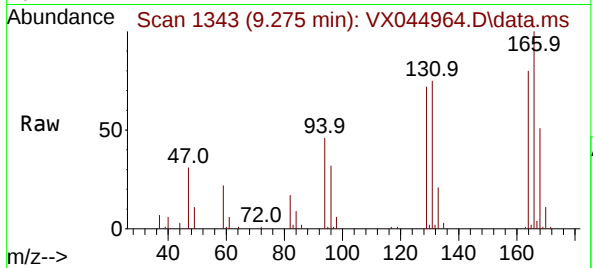




#64
Tetrachloroethene
Concen: 15.561 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

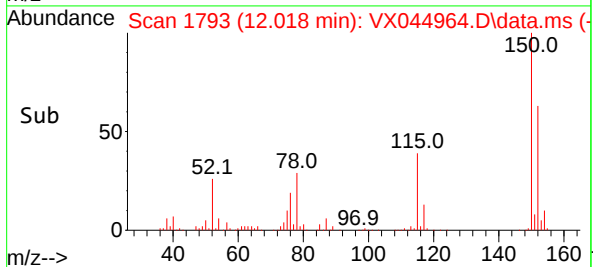
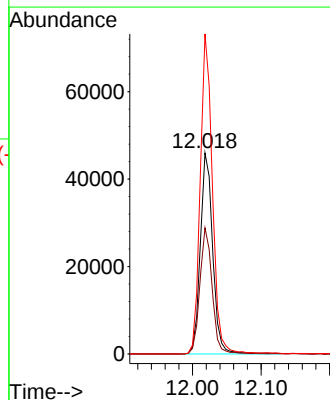
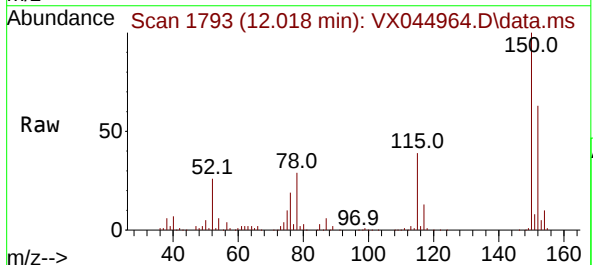
Instrument :
MSVOA_X
ClientSampleId :
MW-30D-021125

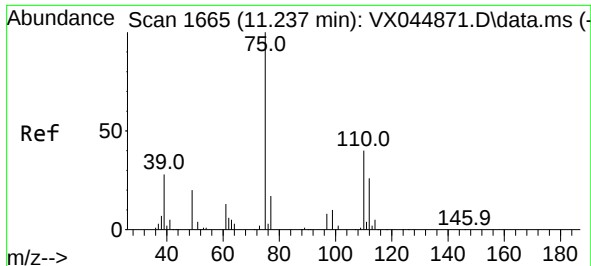
Tgt Ion:164 Resp: 14128
Ion Ratio Lower Upper
164 100
166 125.0 100.4 150.6
129 90.6 79.9 119.9
131 93.6 75.9 113.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion:152 Resp: 58167
Ion Ratio Lower Upper
152 100
115 62.0 43.4 130.1
150 155.5 0.0 350.4

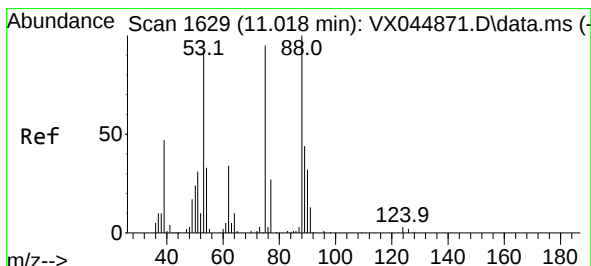
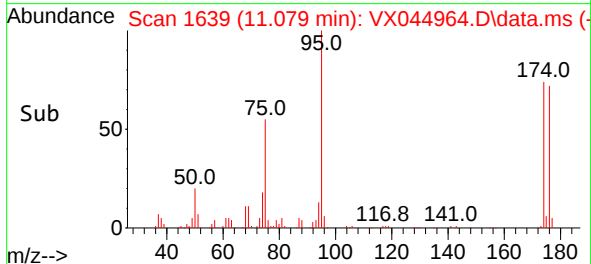
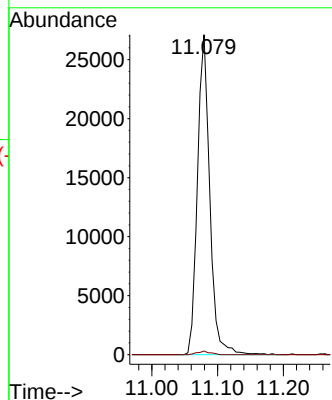
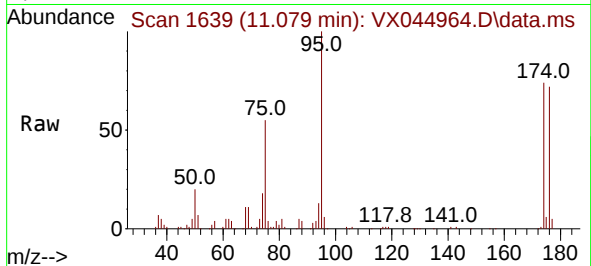




#76
1,2,3-Trichloropropane
Concen: 27.176 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
MW-30D-021125

Tgt Ion: 75 Resp: 35047
Ion Ratio Lower Upper
75 100
77 1.2 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.906 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044964.D
Acq: 14 Feb 2025 16:15

Tgt Ion: 75 Resp: 35047
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

