

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044969.D
 Acq On : 14 Feb 2025 18:11
 Operator : JC/MD
 Sample : Q1363-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-33S-021225

Quant Time: Feb 14 22:18:25 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)

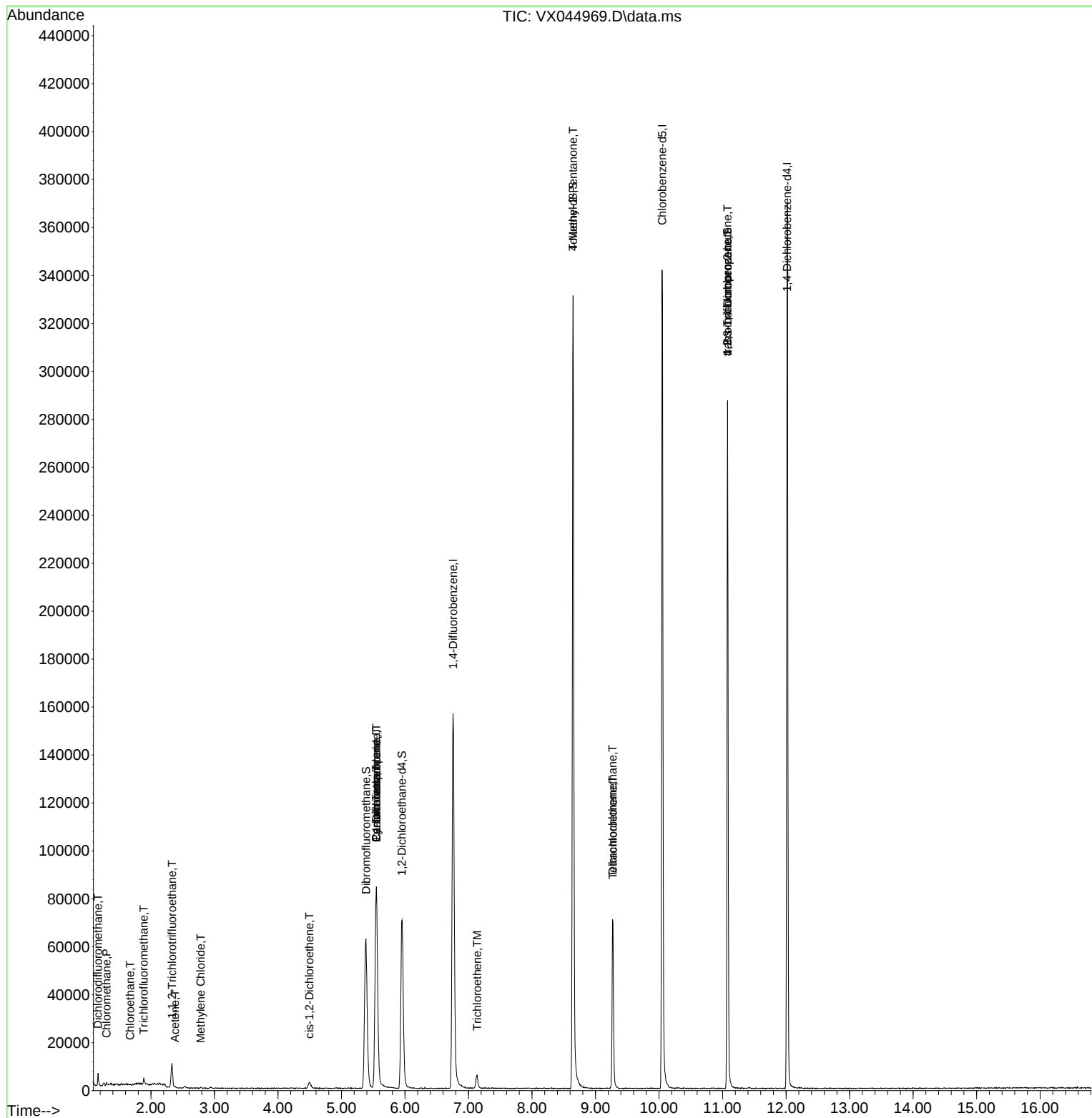
Internal Standards						
1) Pentafluorobenzene	5.550	168	78716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	165139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	155752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66017	57.293	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.580%
35) Dibromofluoromethane	5.385	113	55659	51.840	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.680%
50) Toluene-d8	8.647	98	205576	50.634	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.260%
62) 4-Bromofluorobenzene	11.079	95	75600	55.234	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3068	2.779	ug/l	92
3) Chloromethane	1.301	50	448	0.333	ug/l	98
6) Chloroethane	1.673	64	138	1.560	ug/l #	42
7) Trichlorofluoromethane	1.886	101	1435	0.872	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	4181	4.204	ug/l	94
16) Acetone	2.380	43	891	1.923	ug/l	92
20) Methylene Chloride	2.782	84	228	0.201	ug/l #	57
27) cis-1,2-Dichloroethene	4.495	96	1560	1.301	ug/l	93
31) Cyclohexane	5.550	56	2020	1.129	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	7070	4.564	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8576	5.650	ug/l #	15
44) Trichloroethene	7.135	130	2289	2.070	ug/l	60
51) 4-Methyl-2-Pentanone	8.647	43	1049	0.620	ug/l #	1
60) Dibromochloromethane	9.269	129	13153	11.106	ug/l #	10
64) Tetrachloroethene	9.275	164	13114	13.351	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	40168	25.117	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	40168	64.612	ug/l #	11

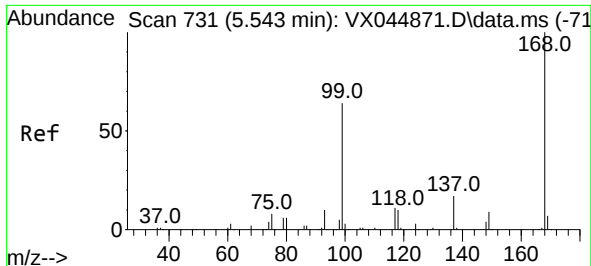
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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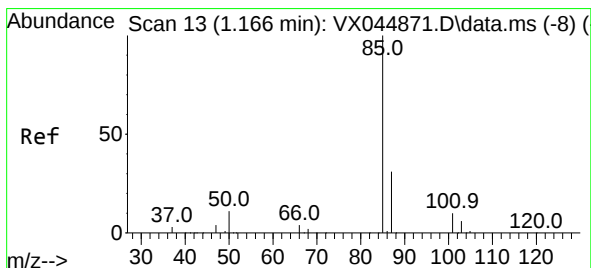
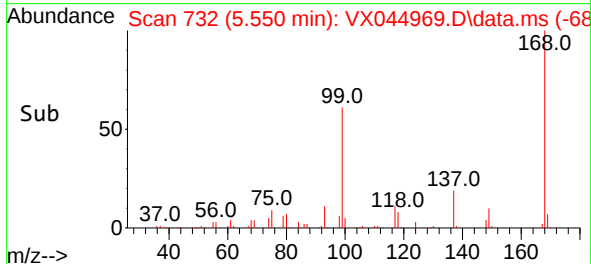
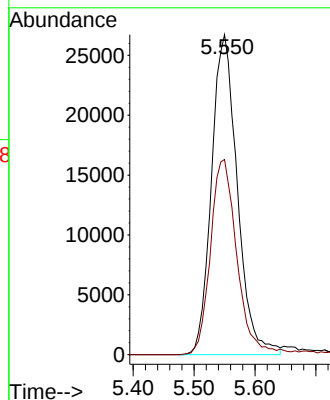
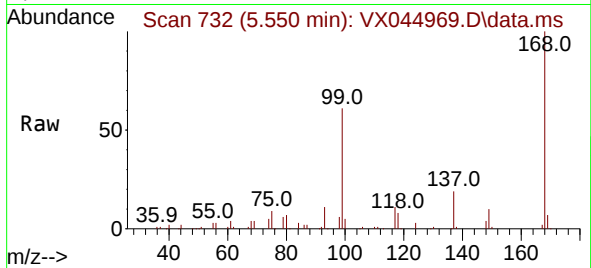




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX044969.D
Acq: 14 Feb 2025 18:11

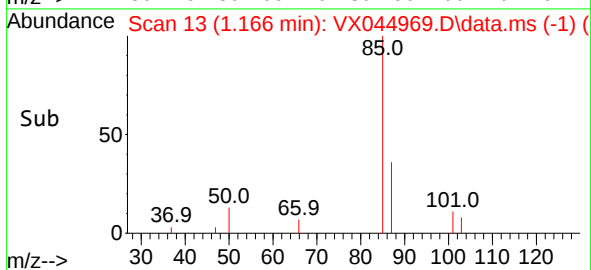
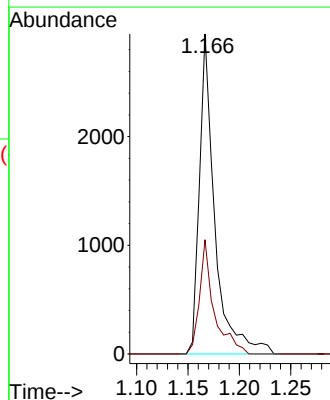
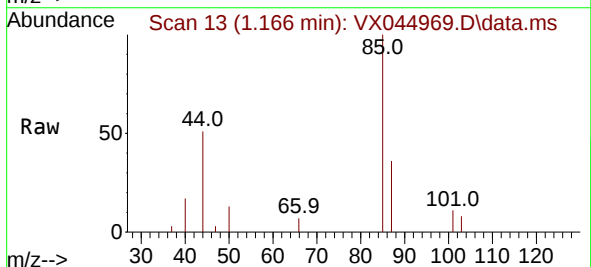
Instrument :
MSVOA_X
ClientSampleId :
MW-33S-021225

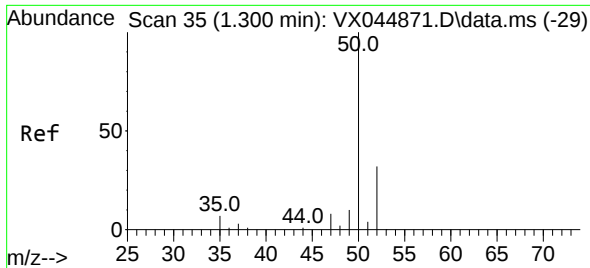
Tgt Ion:168 Resp: 78716
Ion Ratio Lower Upper
168 100
99 61.0 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 2.779 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044969.D
Acq: 14 Feb 2025 18:11

Tgt Ion: 85 Resp: 3068
Ion Ratio Lower Upper
85 100
87 35.7 15.8 47.3

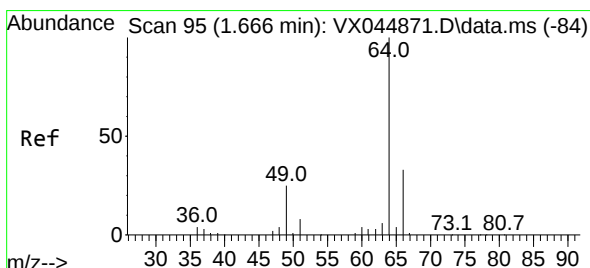
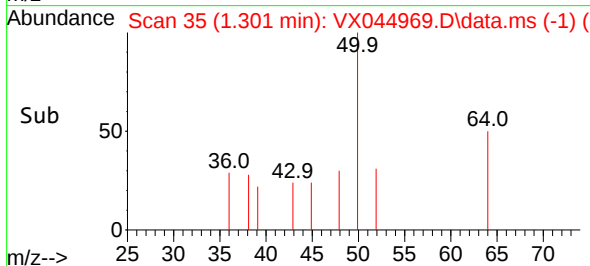
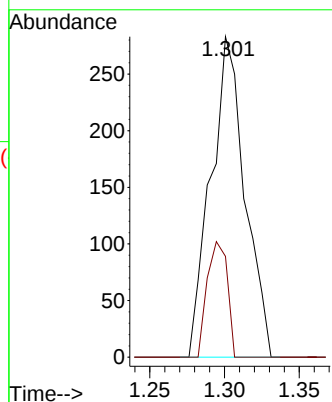
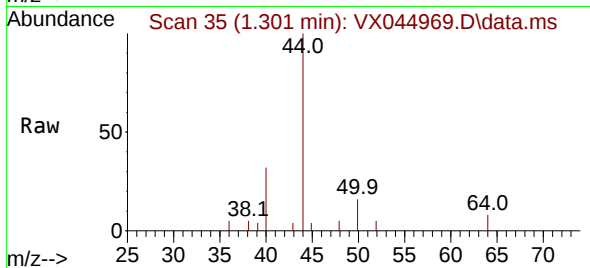




#3
 Chloromethane
 Concen: 0.333 ug/l
 RT: 1.301 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VX044969.D
 Acq: 14 Feb 2025 18:11

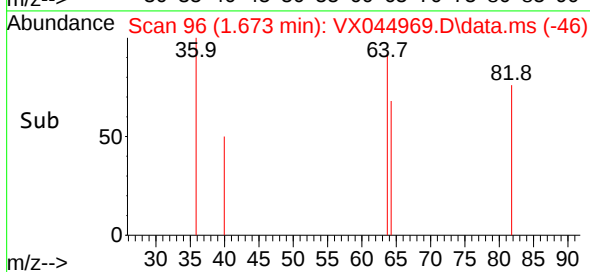
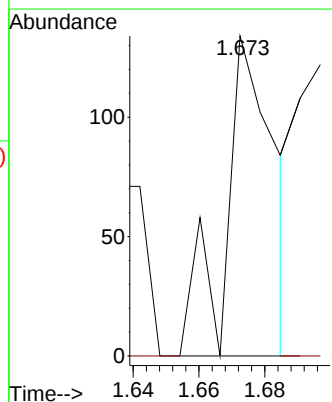
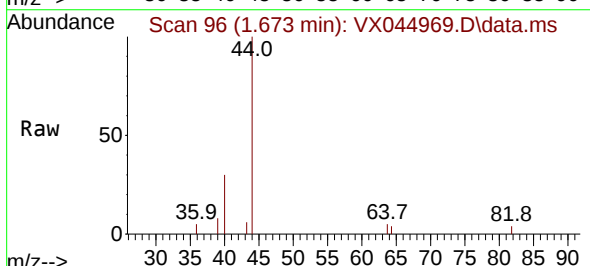
Instrument :
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 ClientSampleId :
 MW-33S-021225

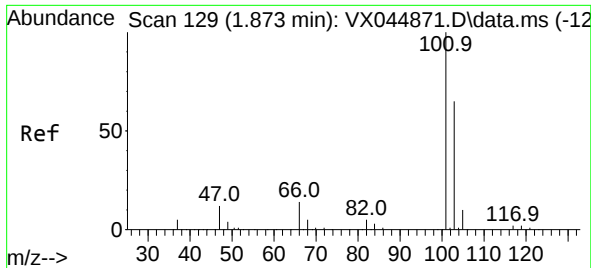
Tgt Ion: 50 Resp: 448
 Ion Ratio Lower Upper
 50 100
 52 31.4 25.9 38.9



#6
 Chloroethane
 Concen: 1.560 ug/l
 RT: 1.673 min Scan# 96
 Delta R.T. 0.007 min
 Lab File: VX044969.D
 Acq: 14 Feb 2025 18:11

Tgt Ion: 64 Resp: 138
 Ion Ratio Lower Upper
 64 100
 66 0.0 25.9 38.9#

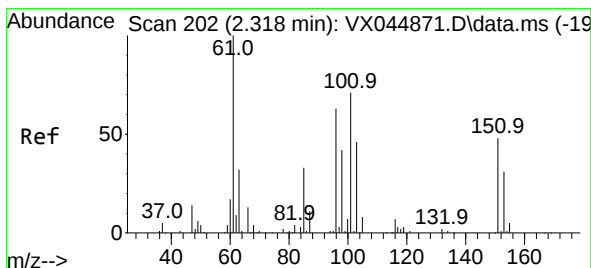
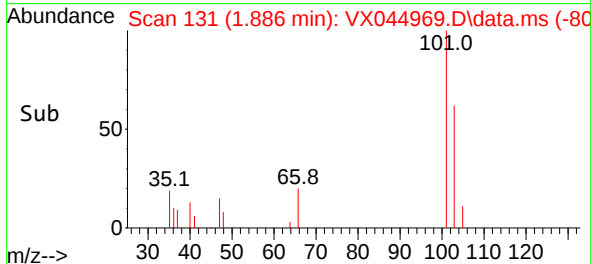
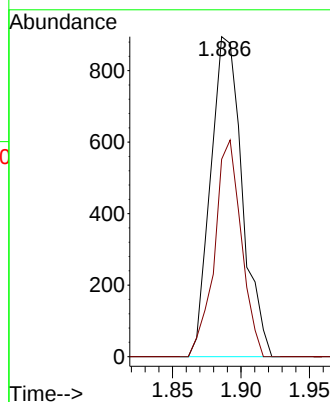
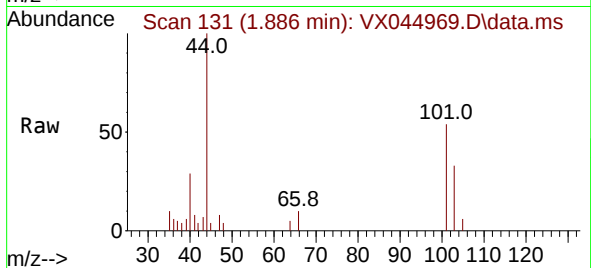




#7
 Trichlorofluoromethane
 Concen: 0.872 ug/l
 RT: 1.886 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: VX044969.D
 Acq: 14 Feb 2025 18:11

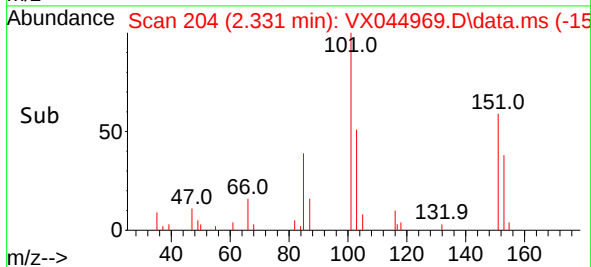
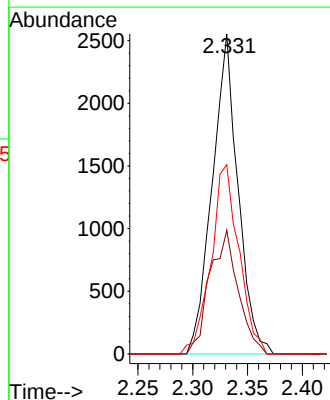
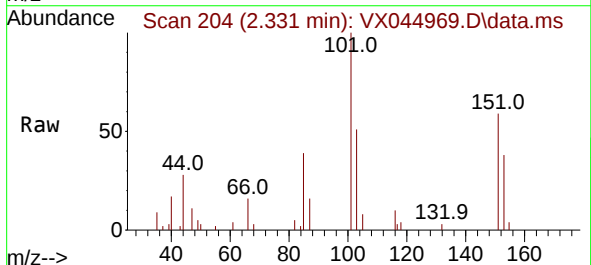
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-33S-021225

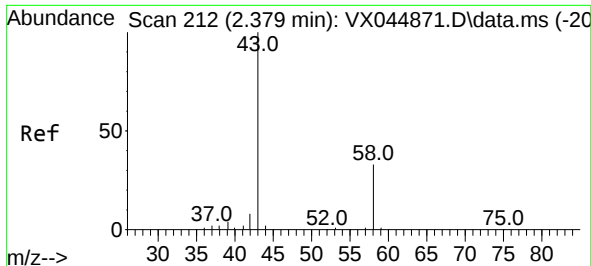
Tgt Ion:101 Resp: 1435
 Ion Ratio Lower Upper
 101 100
 103 61.7 52.4 78.6



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.204 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.013 min
 Lab File: VX044969.D
 Acq: 14 Feb 2025 18:11

Tgt Ion:101 Resp: 4181
 Ion Ratio Lower Upper
 101 100
 85 42.5 35.7 53.5
 151 63.9 56.0 84.0

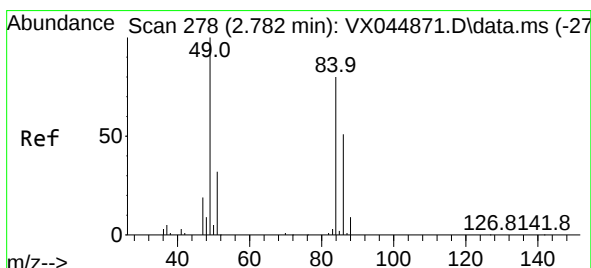
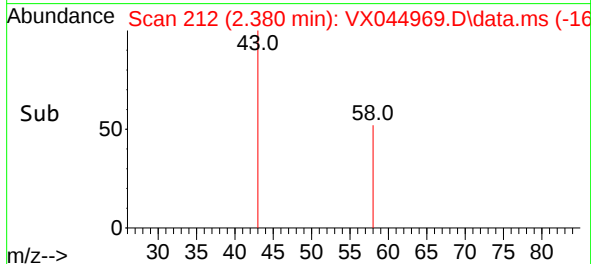
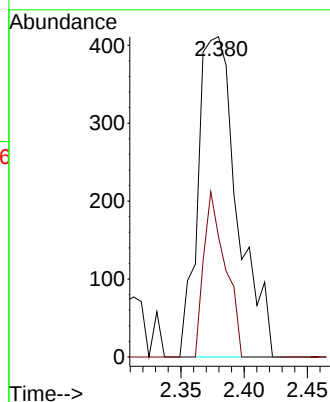
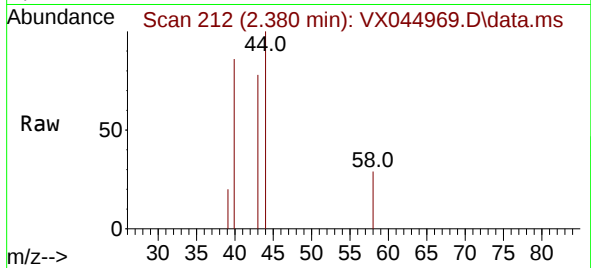




#16
Acetone
Concen: 1.923 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044969.D
Acq: 14 Feb 2025 18:11

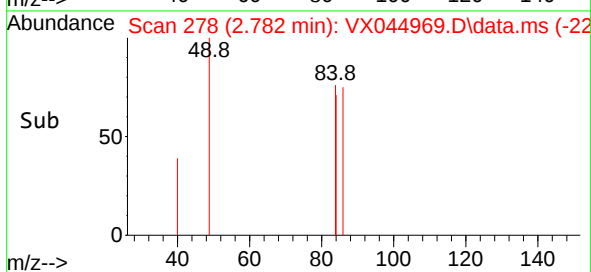
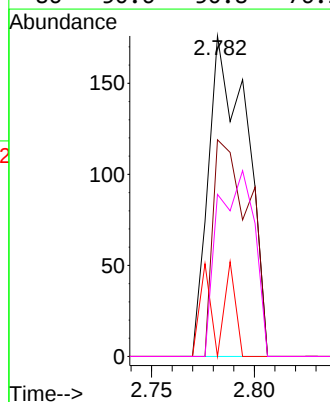
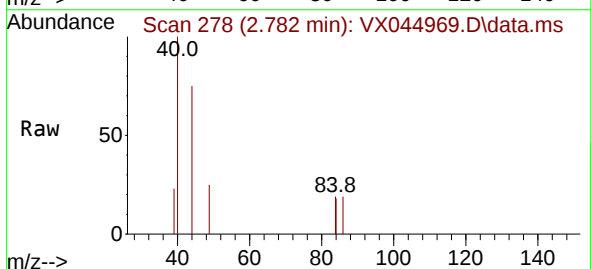
Instrument :
MSVOA_X
ClientSampleId :
MW-33S-021225

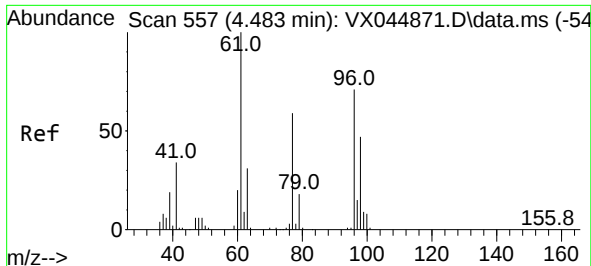
Tgt Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
58 37.7 26.5 39.7



#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044969.D
Acq: 14 Feb 2025 18:11

Tgt Ion: 84 Resp: 228
Ion Ratio Lower Upper
84 100
49 67.6 100.1 150.1#
51 0.0 31.7 47.5#
86 50.6 50.8 76.2#





#27

cis-1,2-Dichloroethene

Concen: 1.301 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX044969.D

Acq: 14 Feb 2025 18:11

Instrument :

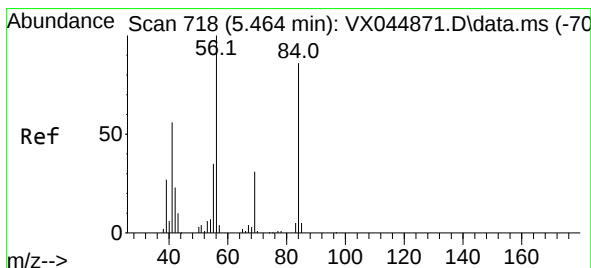
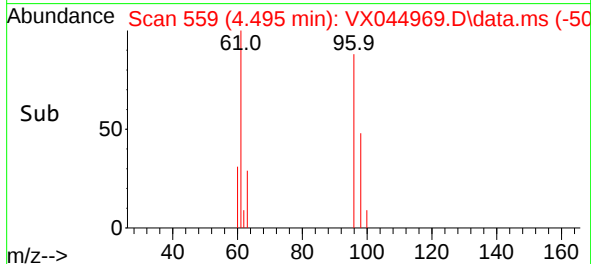
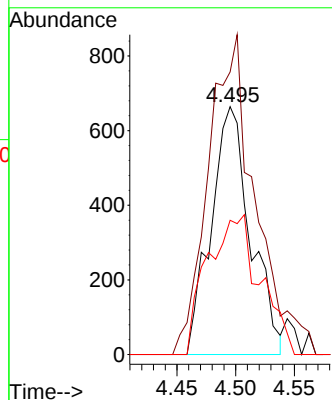
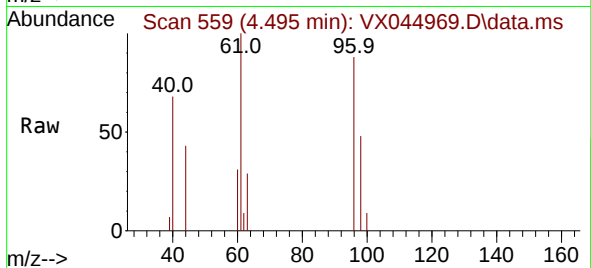
MSVOA_X

ClientSampleId :

MW-33S-021225

Tgt Ion: 96 Resp: 1560

Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	294.0
98	74.6	0.0	131.2



#31

Cyclohexane

Concen: 1.129 ug/l

RT: 5.550 min Scan# 732

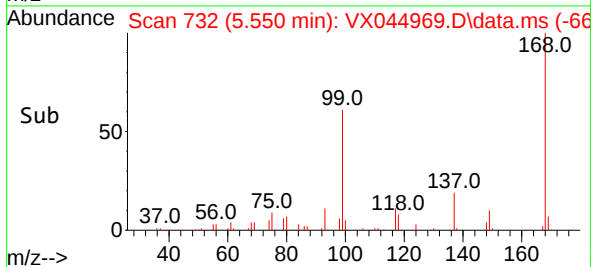
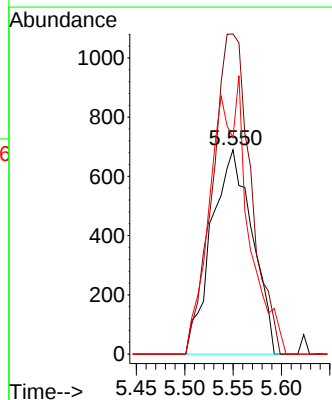
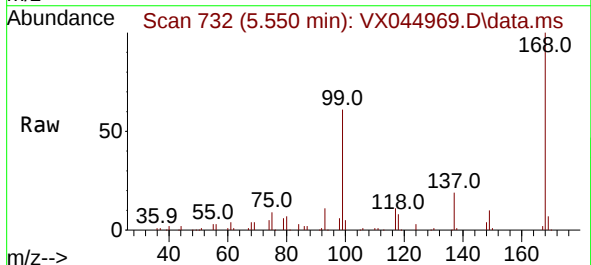
Delta R.T. 0.086 min

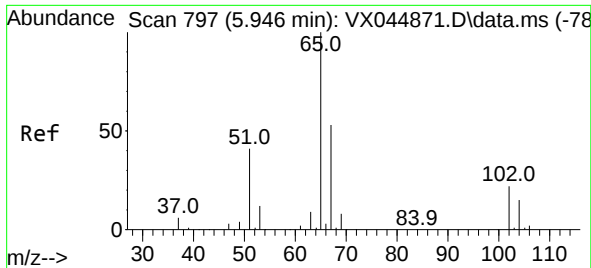
Lab File: VX044969.D

Acq: 14 Feb 2025 18:11

Tgt Ion: 56 Resp: 2020

Ion	Ratio	Lower	Upper
56	100		
69	156.7	24.4	36.6#
84	105.9	69.0	103.6#





#33

1,2-Dichloroethane-d4

Concen: 57.293 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044969.D

Acq: 14 Feb 2025 18:11

Instrument :

MSVOA_X

ClientSampleId :

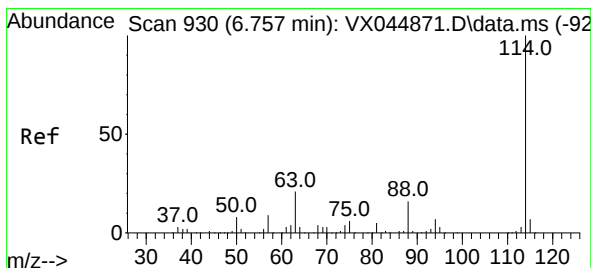
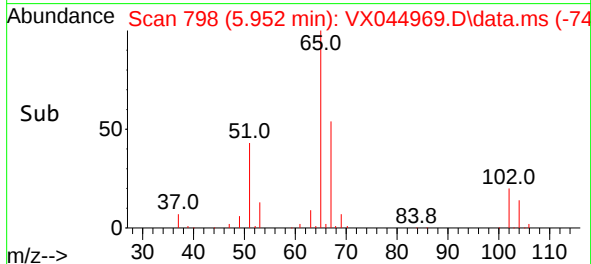
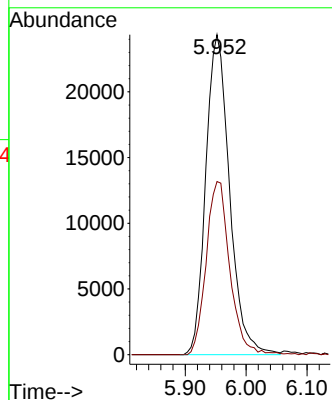
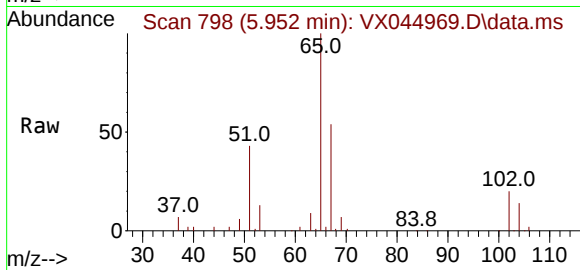
MW-33S-021225

Tgt Ion: 65 Resp: 66017

Ion Ratio Lower Upper

65 100

67 53.7 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: VX044969.D

Acq: 14 Feb 2025 18:11

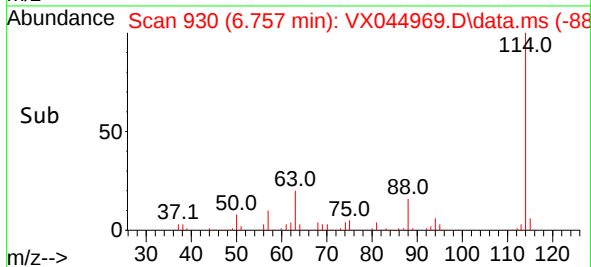
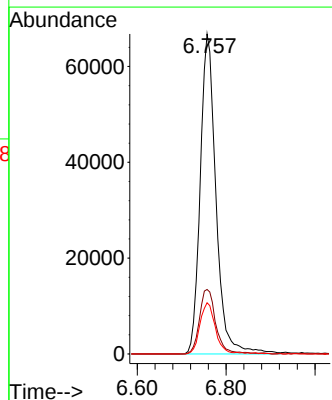
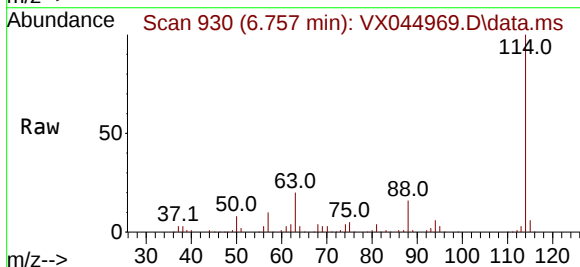
Tgt Ion: 114 Resp: 165139

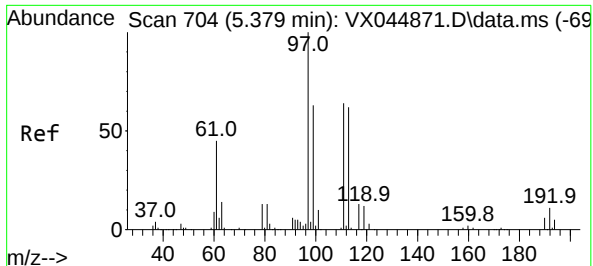
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.840 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044969.D

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MW-33S-021225

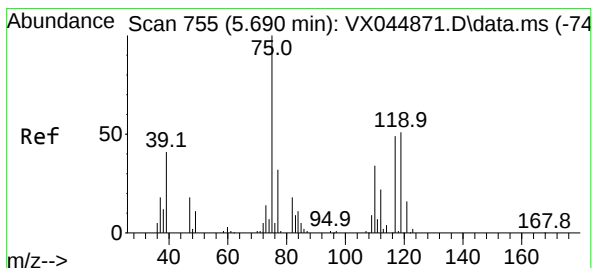
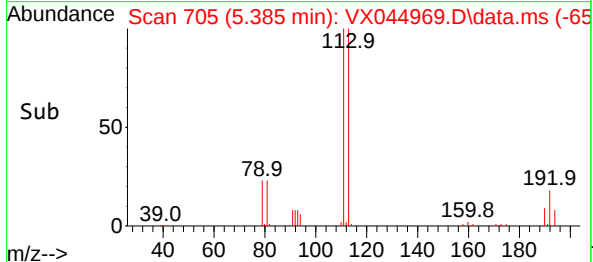
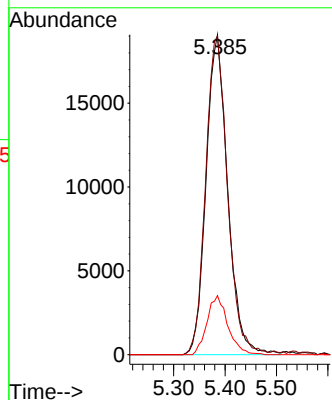
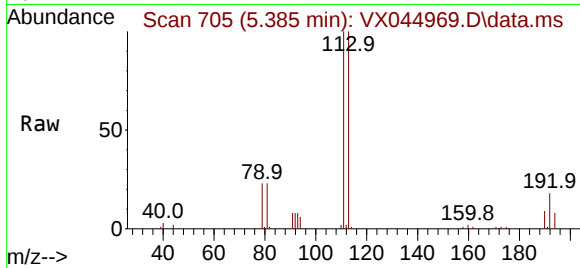
Tgt Ion:113 Resp: 55659

Ion Ratio Lower Upper

113 100

111 100.8 83.5 125.3

192 17.8 14.4 21.6



#36

1,1-Dichloropropene

Concen: 4.564 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX044969.D

Acq: 14 Feb 2025 18:11

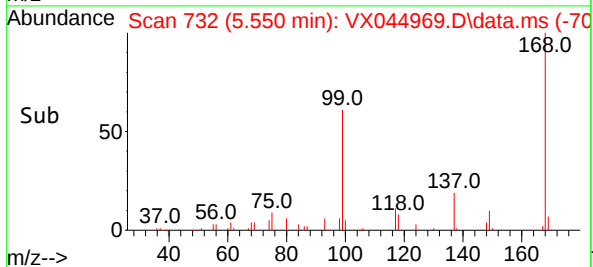
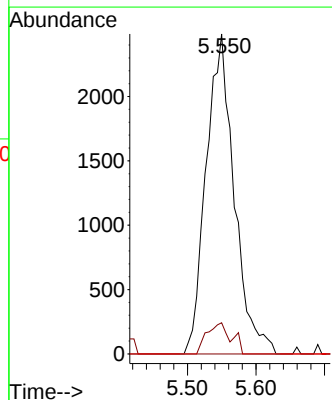
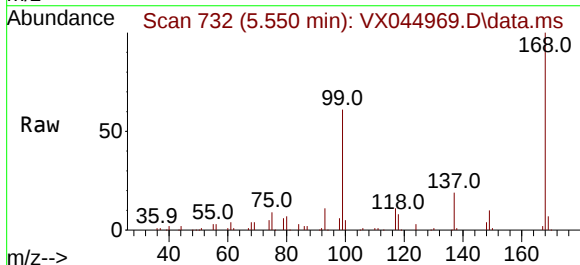
Tgt Ion: 75 Resp: 7070

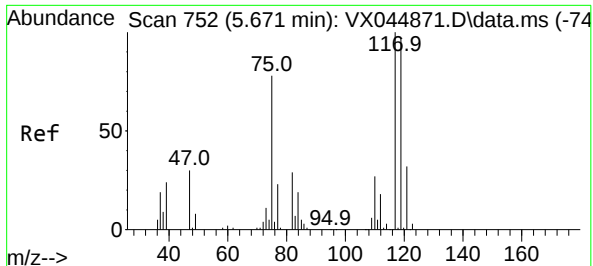
Ion Ratio Lower Upper

75 100

110 8.4 17.2 51.6#

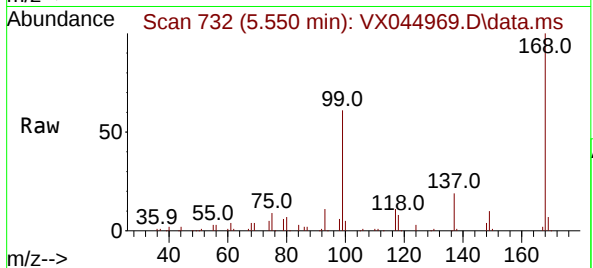
77 0.0 24.6 37.0#



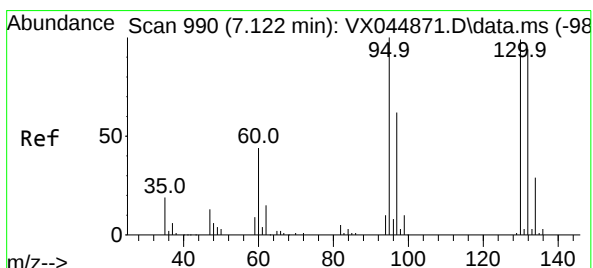
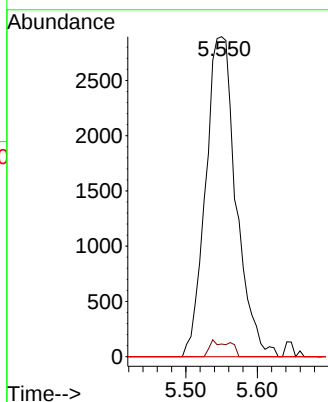
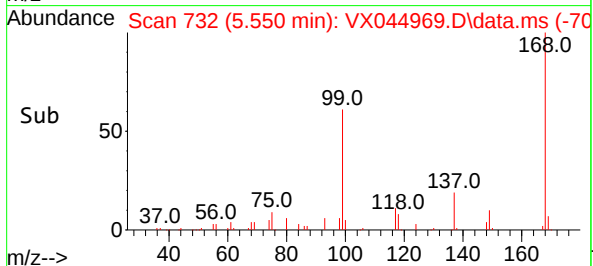


#38
Carbon Tetrachloride
Concen: 5.650 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044969.D
Acq: 14 Feb 2025 18:11

Instrument :
MSVOA_X
ClientSampleId :
MW-33S-021225

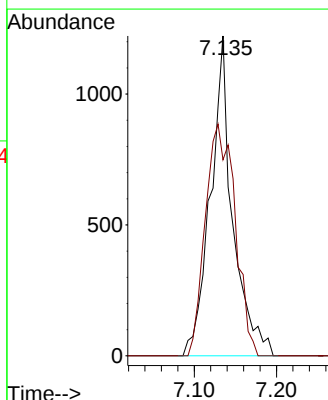
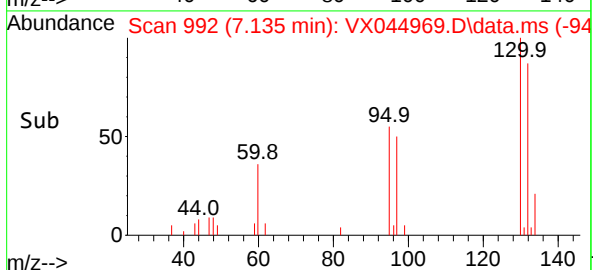
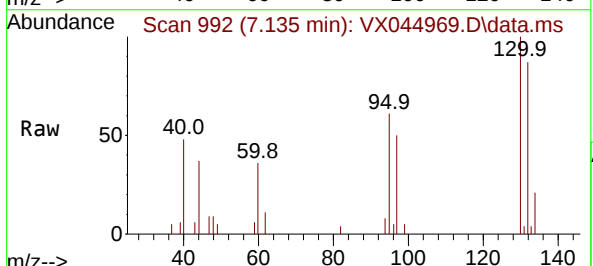


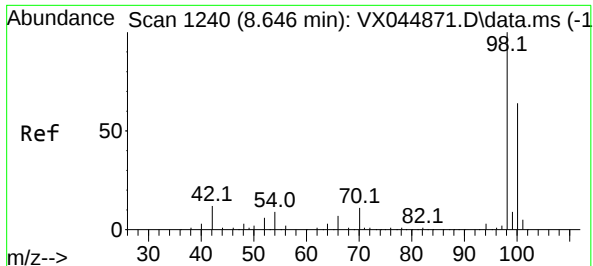
Tgt Ion:117 Resp: 8576
Ion Ratio Lower Upper
117 100
119 3.9 77.5 116.3#
121 0.0 25.6 38.4#



#44
Trichloroethene
Concen: 2.070 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.013 min
Lab File: VX044969.D
Acq: 14 Feb 2025 18:11

Tgt Ion:130 Resp: 2289
Ion Ratio Lower Upper
130 100
95 61.3 0.0 202.4





#50

Toluene-d8

Concen: 50.634 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044969.D

Acq: 14 Feb 2025 18:11

Instrument :

MSVOA_X

ClientSampleId :

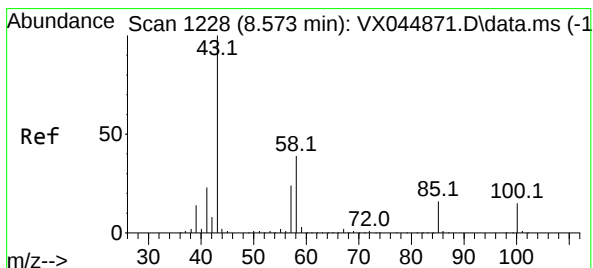
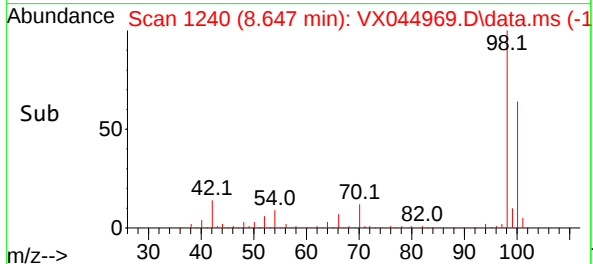
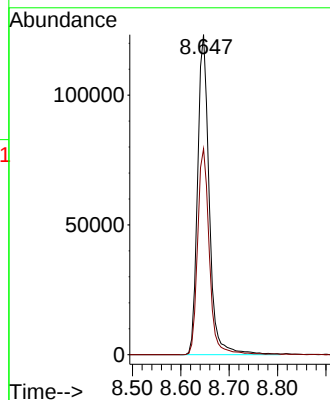
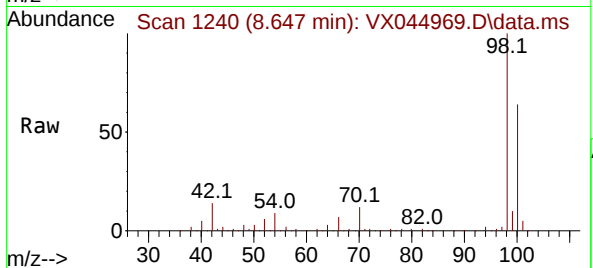
MW-33S-021225

Tgt Ion: 98 Resp: 205576

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 0.620 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.074 min

Lab File: VX044969.D

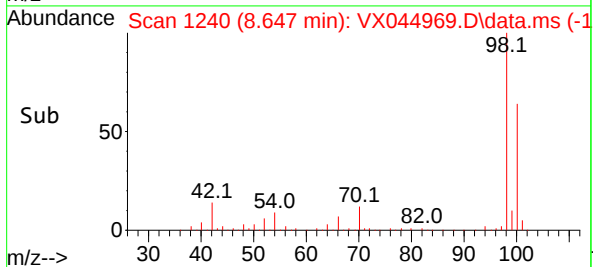
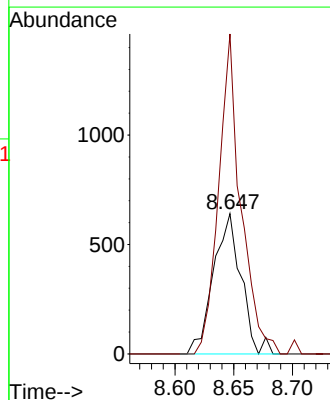
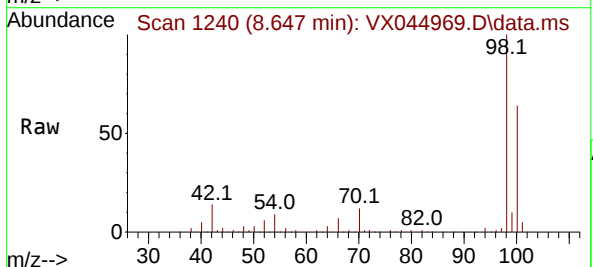
Acq: 14 Feb 2025 18:11

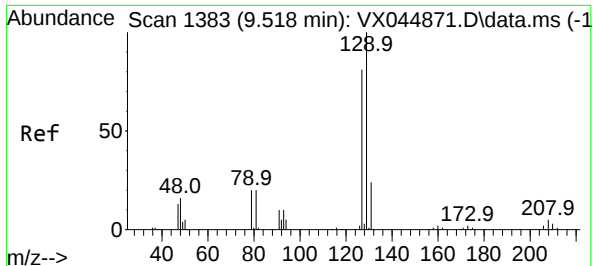
Tgt Ion: 43 Resp: 1049

Ion Ratio Lower Upper

43 100

58 184.0 30.8 46.2#

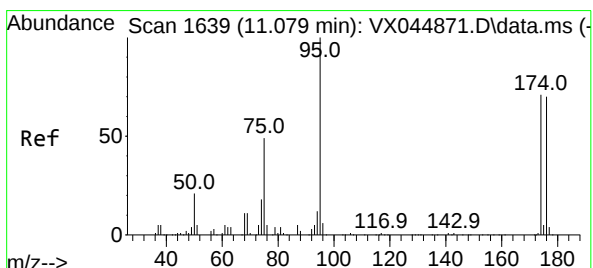
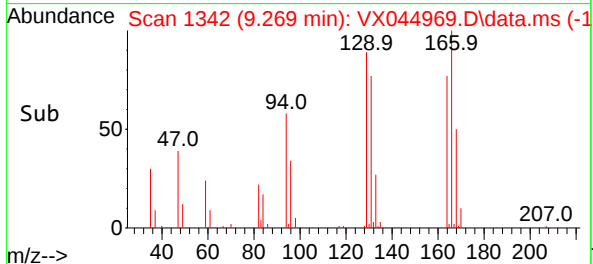
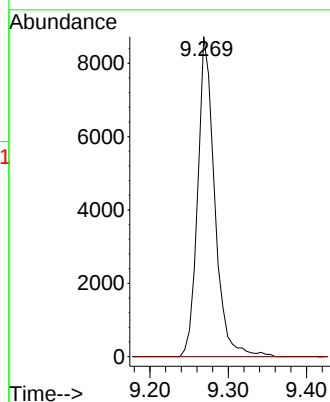
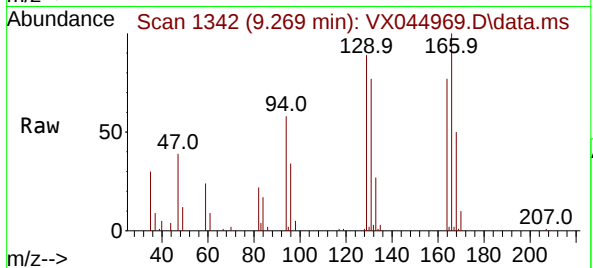




#60
Dibromochloromethane
Concen: 11.106 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX044969.D
Acq: 14 Feb 2025 18:11

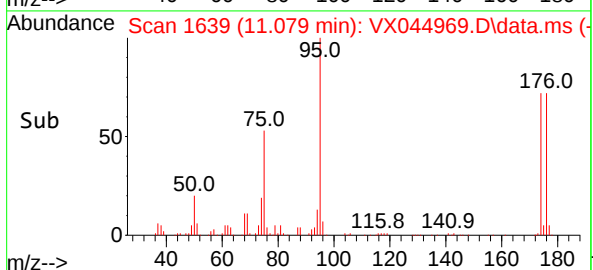
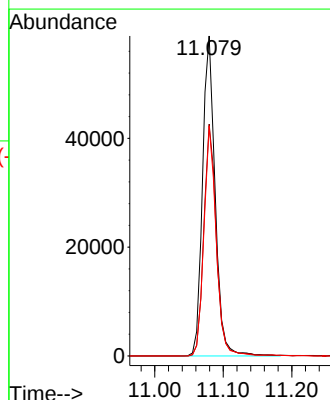
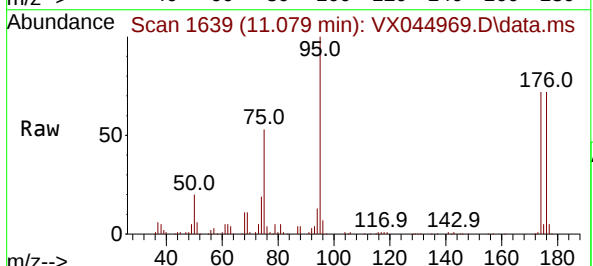
Instrument :
MSVOA_X
ClientSampleId :
MW-33S-021225

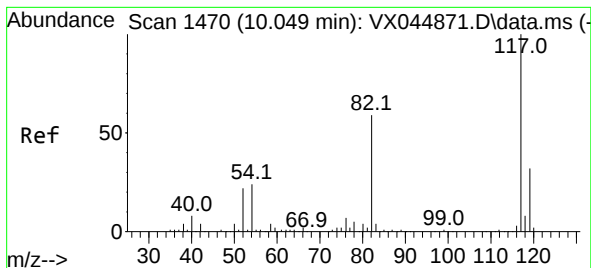
Tgt Ion:129 Resp: 13153
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#



#62
4-Bromofluorobenzene
Concen: 55.234 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044969.D
Acq: 14 Feb 2025 18:11

Tgt Ion: 95 Resp: 75600
Ion Ratio Lower Upper
95 100
174 71.6 0.0 142.6
176 69.7 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: VX044969.D

Acq: 14 Feb 2025 18:11

Instrument :

MSVOA_X

ClientSampleId :

MW-33S-021225

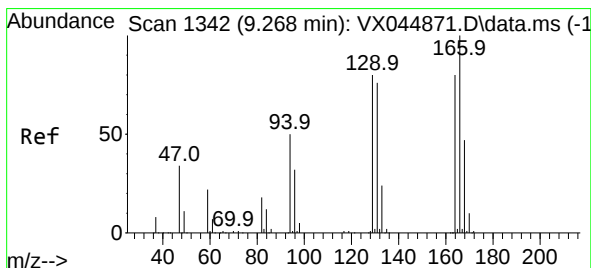
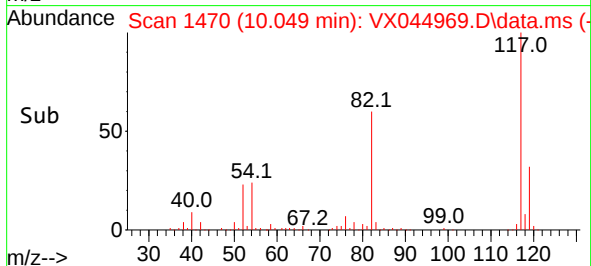
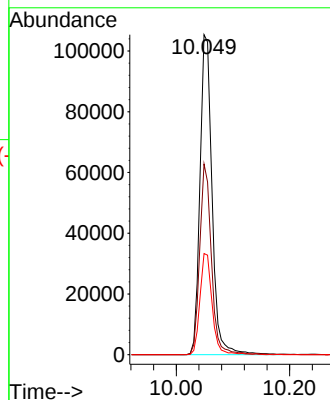
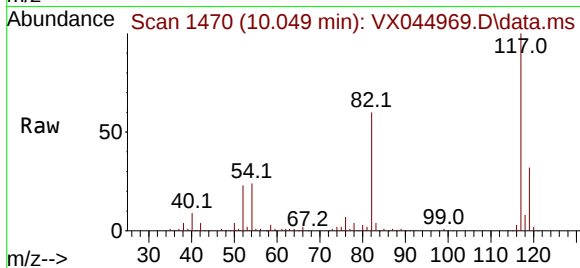
Tgt Ion:117 Resp: 155752

Ion Ratio Lower Upper

117 100

82 59.6 47.5 71.3

119 31.6 25.4 38.0



#64

Tetrachloroethene

Concen: 13.351 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX044969.D

Acq: 14 Feb 2025 18:11

Tgt Ion:164 Resp: 13114

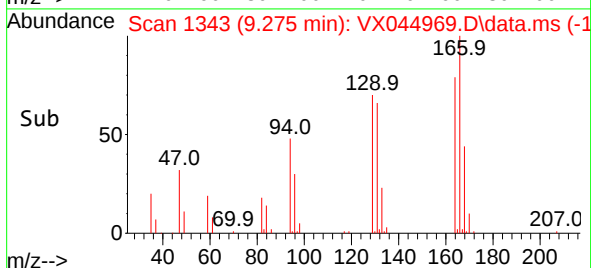
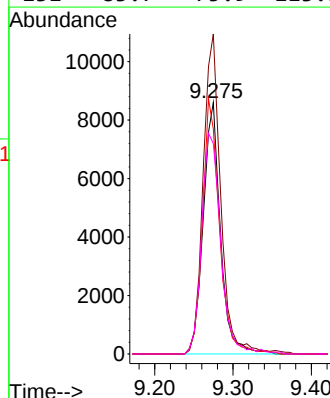
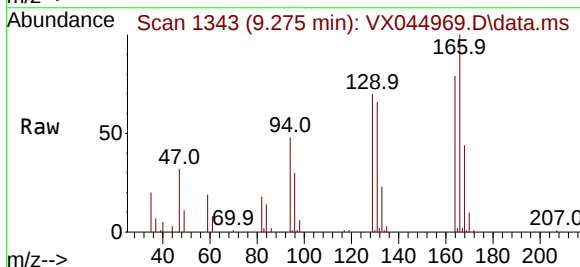
Ion Ratio Lower Upper

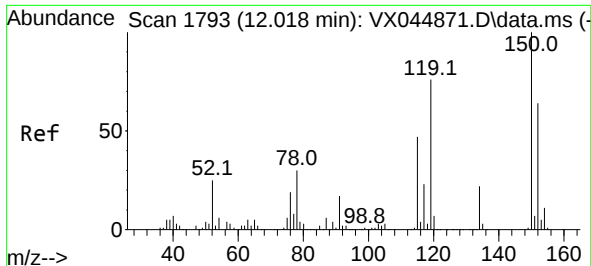
164 100

166 127.3 100.4 150.6

129 89.5 79.9 119.9

131 83.7 75.9 113.9

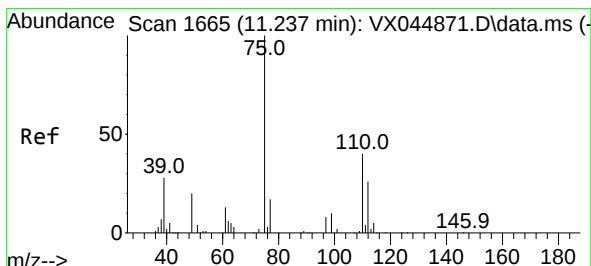
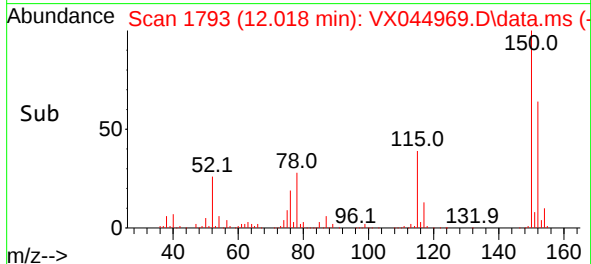
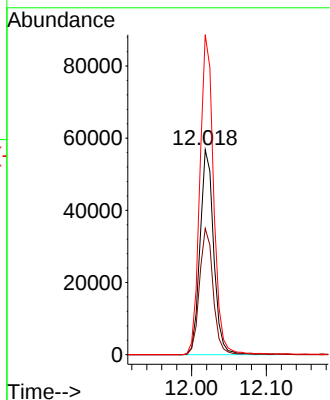
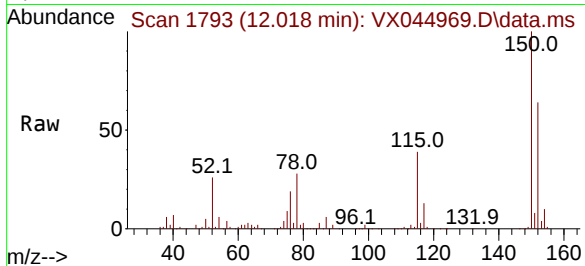




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044969.D
 Acq: 14 Feb 2025 18:11

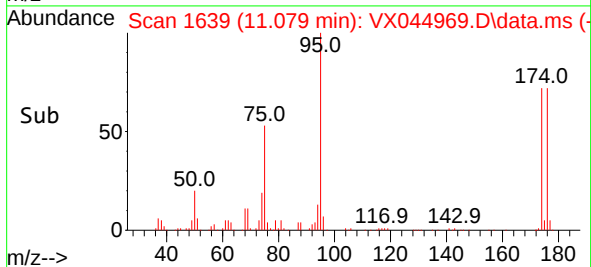
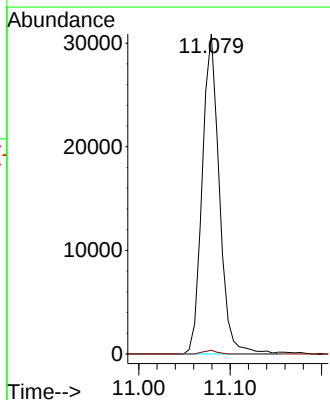
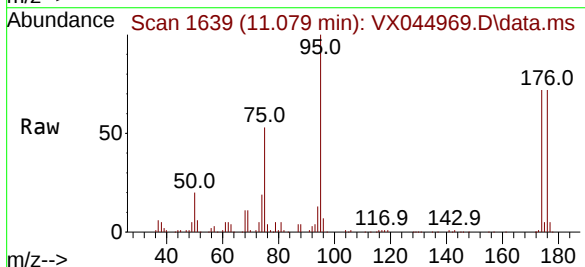
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-33S-021225

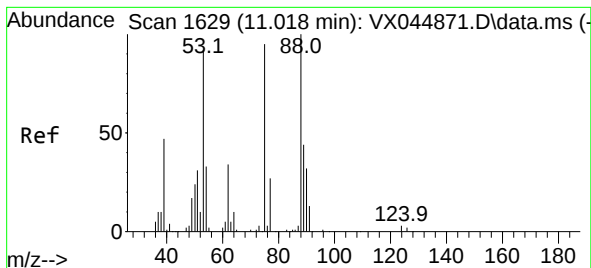
Tgt Ion:152 Resp: 72129
 Ion Ratio Lower Upper
 152 100
 115 61.8 43.4 130.1
 150 157.5 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 25.117 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX044969.D
 Acq: 14 Feb 2025 18:11

Tgt Ion: 75 Resp: 40168
 Ion Ratio Lower Upper
 75 100
 77 0.9 21.9 65.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.612 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX044969.D

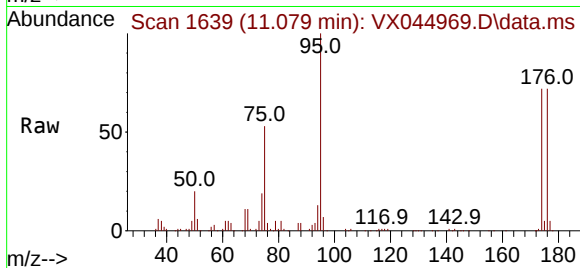
Acq: 14 Feb 2025 18:11

Instrument :

MSVOA_X

ClientSampleId :

MW-33S-021225



Tgt Ion: 75 Resp: 40168

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 36.6 54.8#

