

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044968.D
 Acq On : 14 Feb 2025 17:48
 Operator : JC/MD
 Sample : Q1363-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 14 22:18:00 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

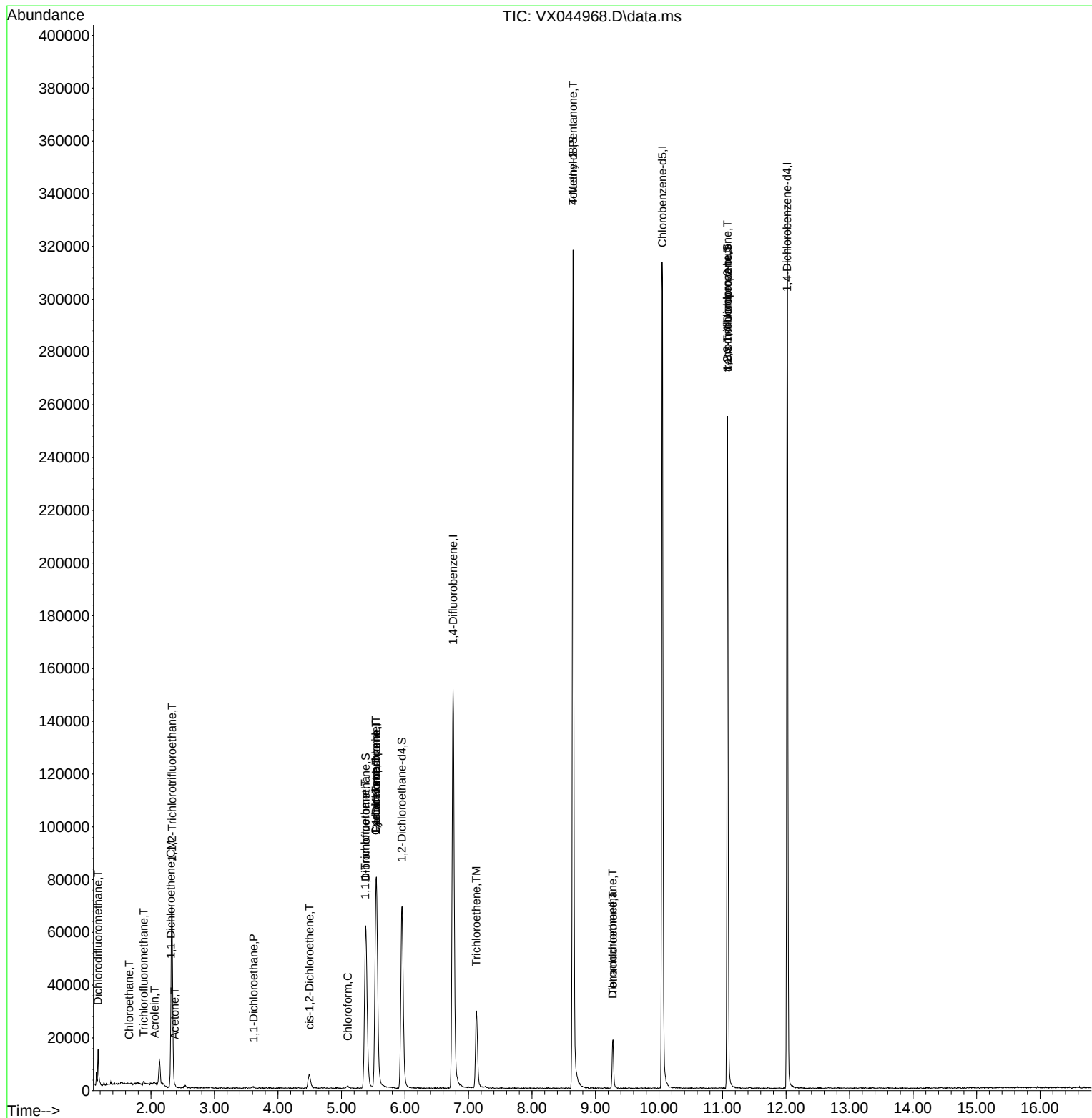
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	77144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155981	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64740	57.330	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.660%
35) Dibromofluoromethane	5.379	113	52935	52.197	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.400%
50) Toluene-d8	8.647	98	192989	50.325	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.640%
62) 4-Bromofluorobenzene	11.079	95	68282	52.817	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.640%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	7767	7.179	ug/l	99
6) Chloroethane	1.654	64	149	1.582	ug/l #	42
7) Trichlorofluoromethane	1.886	101	510	0.316	ug/l #	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	25906	26.577	ug/l	96
12) 1,1-Dichloroethene	2.313	96	1208	1.215	ug/l #	78
13) Acrolein	2.057	56	46	0.213	ug/l #	15
16) Acetone	2.374	43	912	2.009	ug/l	91
24) 1,1-Dichloroethane	3.617	63	791	0.416	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	3466	2.949	ug/l	93
30) Chloroform	5.099	83	1102	0.597	ug/l	93
31) Cyclohexane	5.544	56	1921	1.095	ug/l #	1
32) 1,1,1-Trichloroethane	5.373	97	954	0.610	ug/l #	52
36) 1,1-Dichloropropene	5.544	75	7229	4.941	ug/l #	48
38) Carbon Tetrachloride	5.544	117	8074	5.631	ug/l #	14
44) Trichloroethene	7.123	130	11545	11.055	ug/l	94
51) 4-Methyl-2-Pentanone	8.647	43	1000	0.626	ug/l #	1
60) Dibromochloromethane	9.269	129	3564	3.186	ug/l #	10
64) Tetrachloroethene	9.275	164	3586	3.948	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	36447	25.269	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	36447	65.001	ug/l #	11

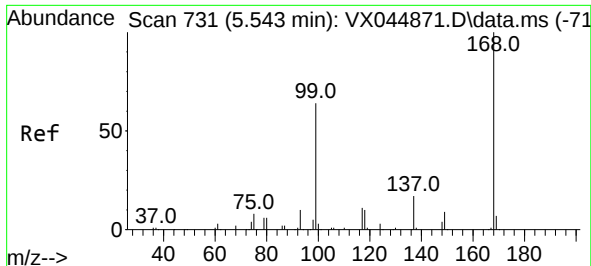
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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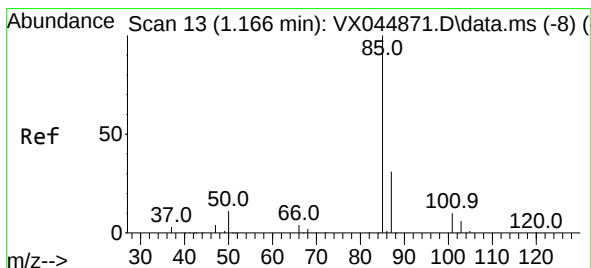
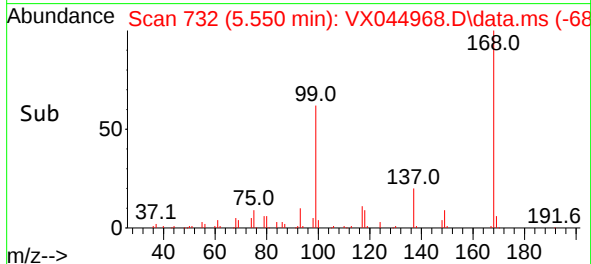
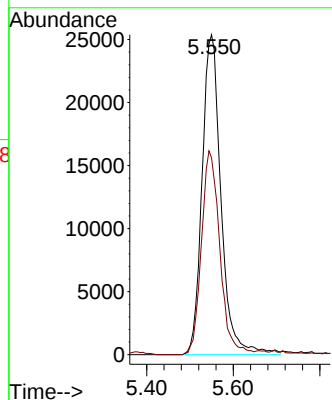
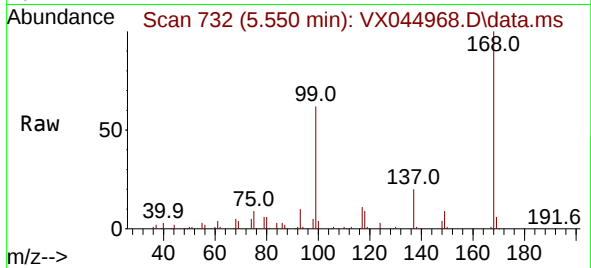




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

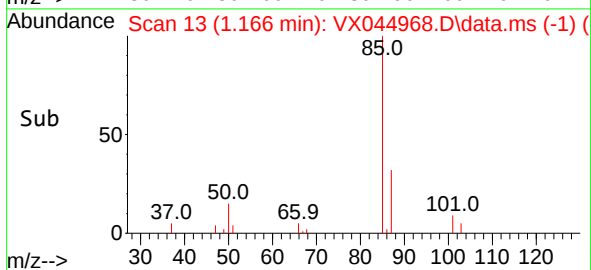
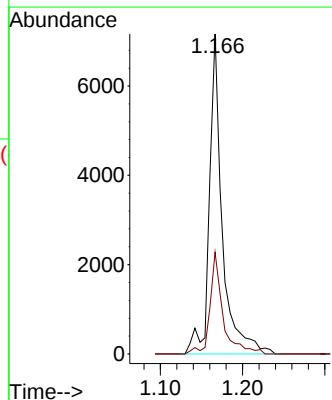
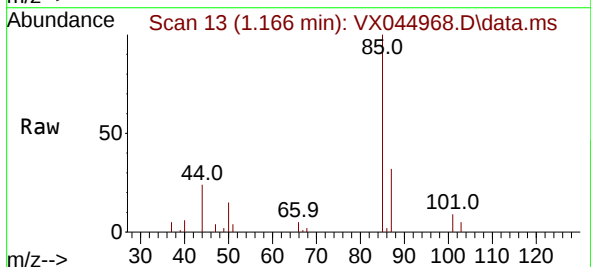
Instrument :
MSVOA_X
ClientSampleId :

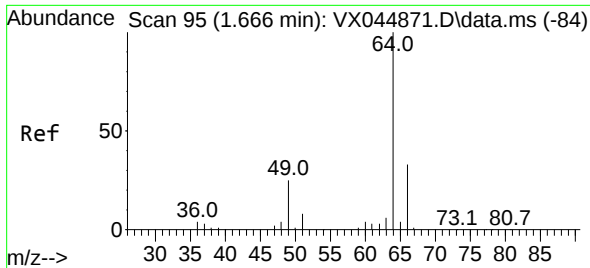
Tgt Ion:168 Resp: 77144
Ion Ratio Lower Upper
168 100
99 61.5 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 7.179 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Tgt Ion: 85 Resp: 7767
Ion Ratio Lower Upper
85 100
87 31.8 15.8 47.3

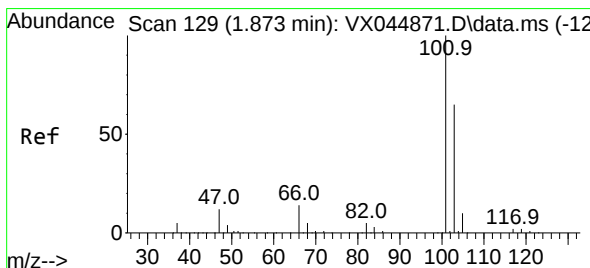
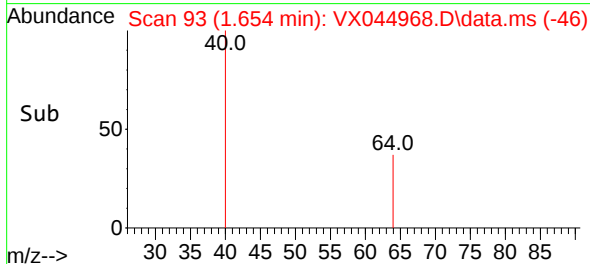
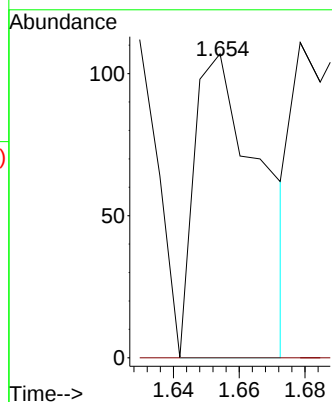
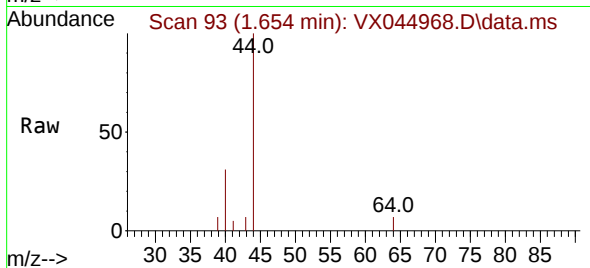




#6
Chloroethane
Concen: 1.582 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

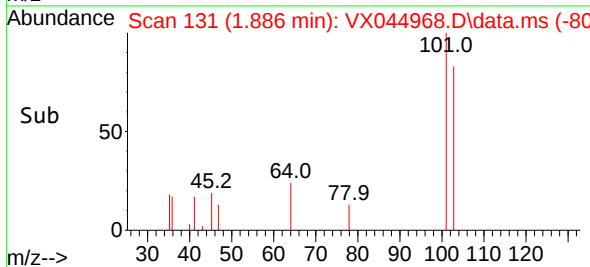
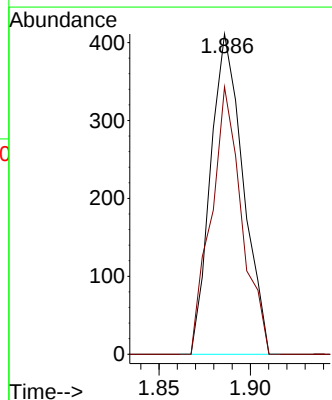
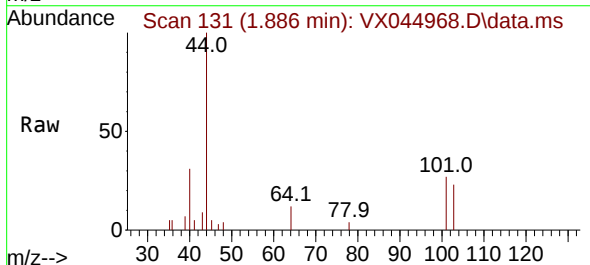
Instrument :
MSVOA_X
ClientSampleId :

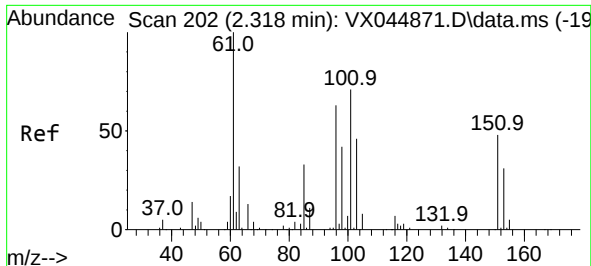
Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#7
Trichlorofluoromethane
Concen: 0.316 ug/l
RT: 1.886 min Scan# 131
Delta R.T. 0.013 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Tgt Ion:101 Resp: 510
Ion Ratio Lower Upper
101 100
103 83.5 52.4 78.6#

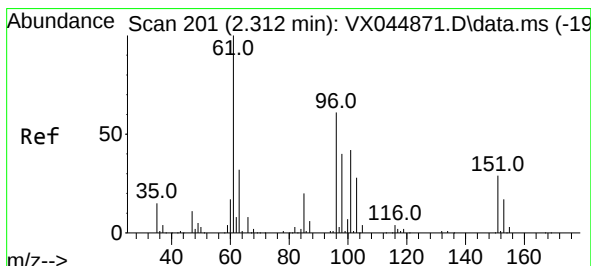
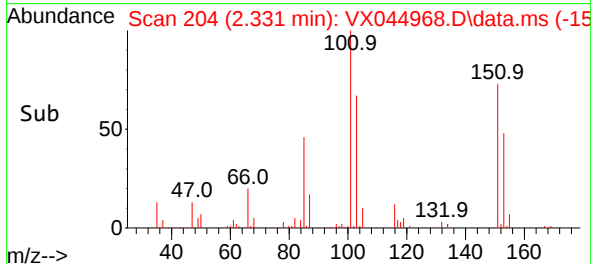
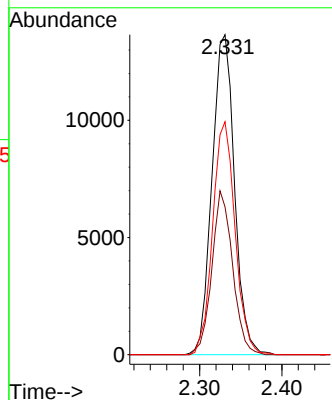
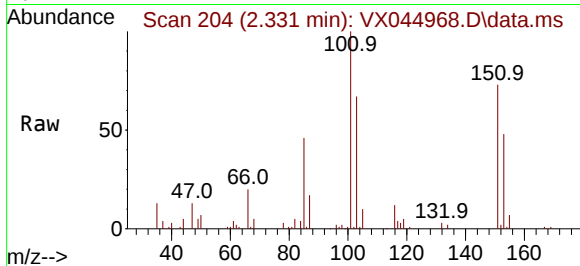




#9
1,1,2-Trichlorotrifluoroethane
Concen: 26.577 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.013 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

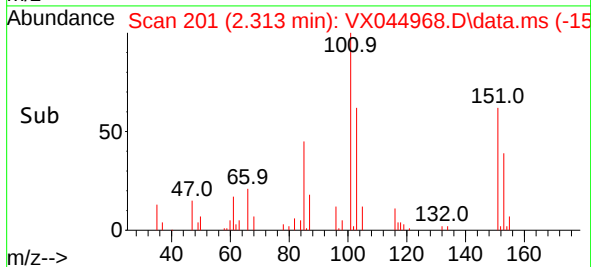
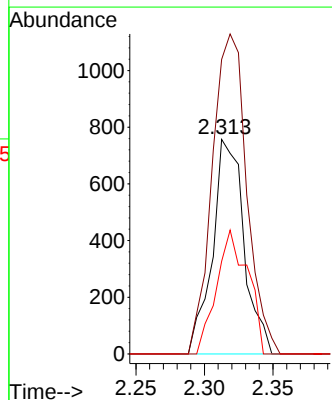
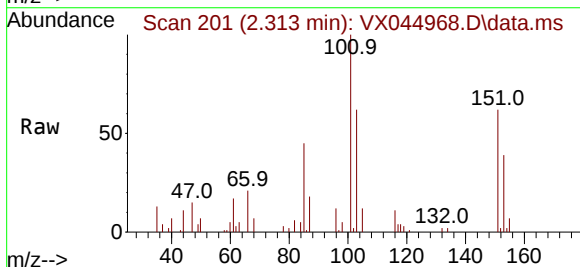
Instrument :
MSVOA_X
ClientSampleId :

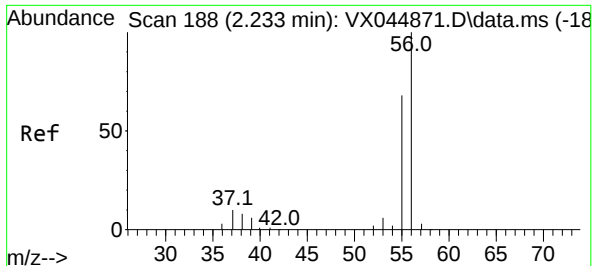
Tgt Ion:101 Resp: 25906
Ion Ratio Lower Upper
101 100
85 47.4 35.7 53.5
151 72.7 56.0 84.0



#12
1,1-Dichloroethene
Concen: 1.215 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Tgt Ion: 96 Resp: 1208
Ion Ratio Lower Upper
96 100
61 137.3 130.2 195.4
98 43.2 52.2 78.4#

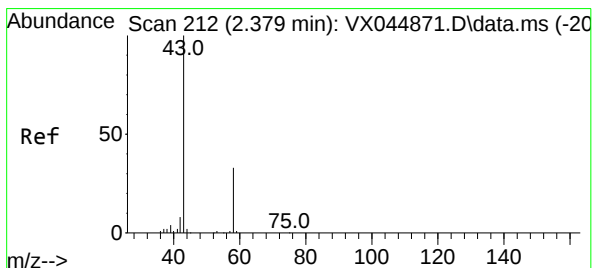
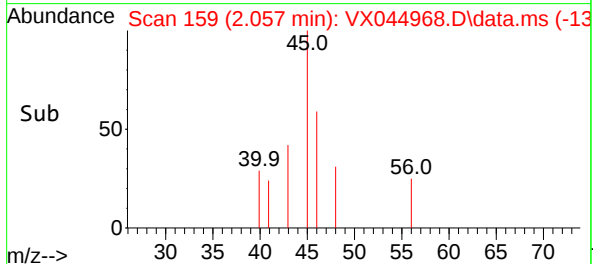
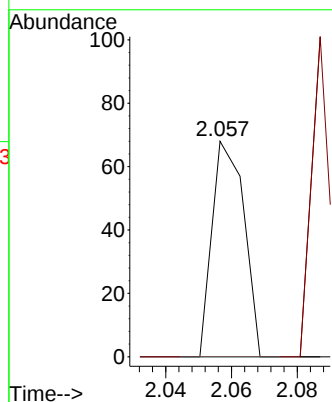
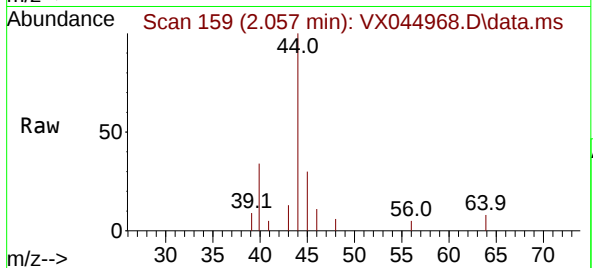




#13
Acrolein
Concen: 0.213 ug/l
RT: 2.057 min Scan# 11
Delta R.T. -0.176 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

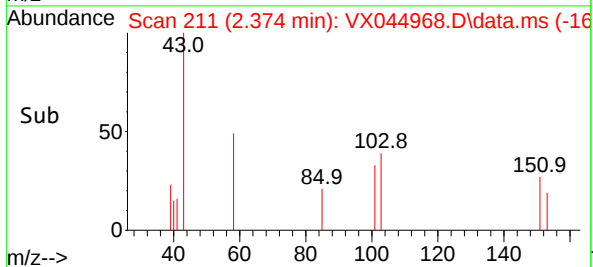
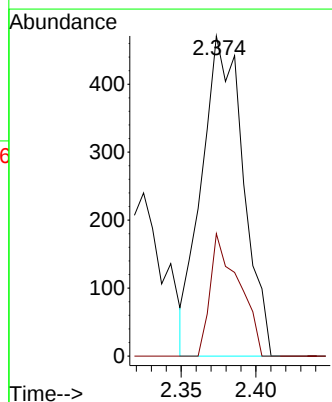
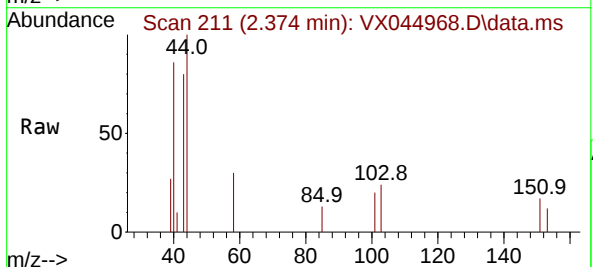
Instrument :
MSVOA_X
ClientSampleId :

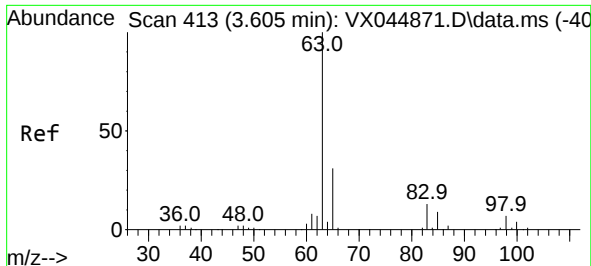
Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 2.009 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

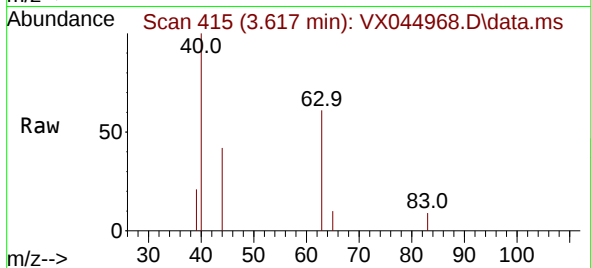
Tgt Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
58 38.2 26.5 39.7



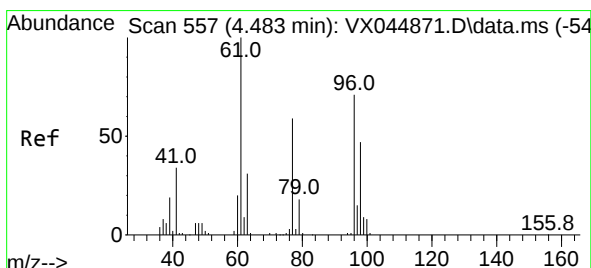
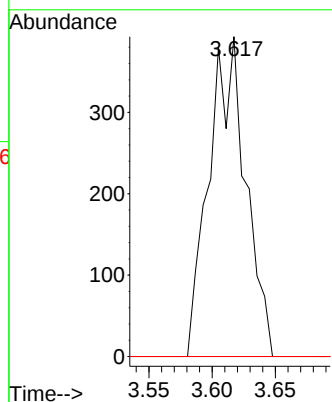
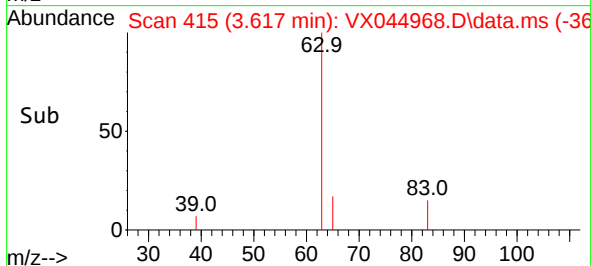


#24
 1,1-Dichloroethane
 Concen: 0.416 ug/l
 RT: 3.617 min Scan# 413
 Delta R.T. 0.013 min
 Lab File: VX044968.D
 Acq: 14 Feb 2025 17:48

Instrument :
 MSVOA_X
 ClientSampleId :

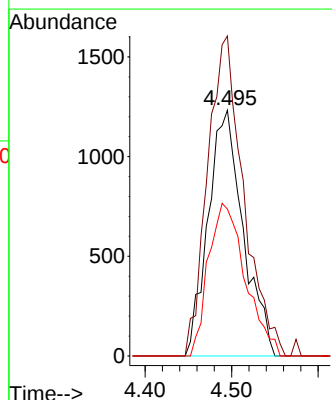
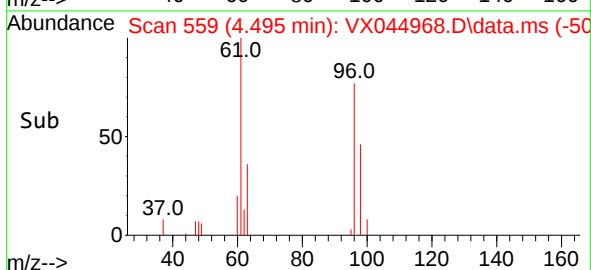
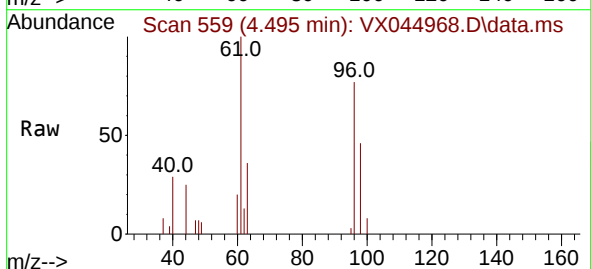


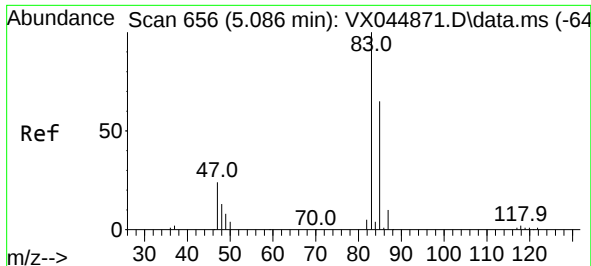
Tgt Ion: 63 Resp: 791
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.9#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 2.949 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.013 min
 Lab File: VX044968.D
 Acq: 14 Feb 2025 17:48

Tgt Ion: 96 Resp: 3466
 Ion Ratio Lower Upper
 96 100
 61 133.9 0.0 294.0
 98 65.5 0.0 131.2





#30

Chloroform

Concen: 0.597 ug/l

RT: 5.099 min Scan# 6

Delta R.T. 0.013 min

Lab File: VX044968.D

Acq: 14 Feb 2025 17:48

Instrument :

MSVOA_X

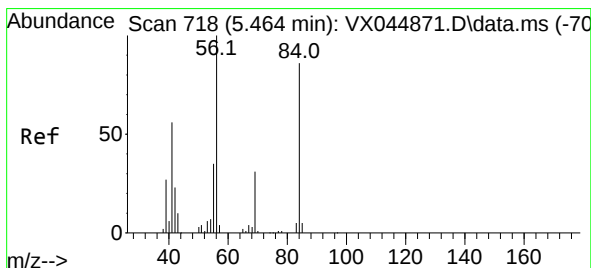
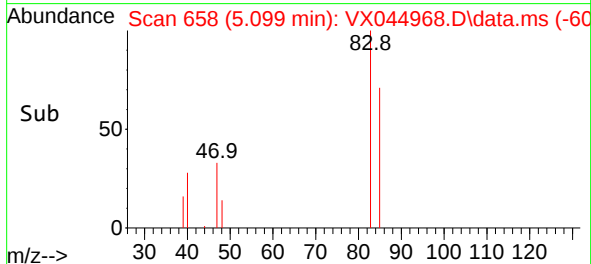
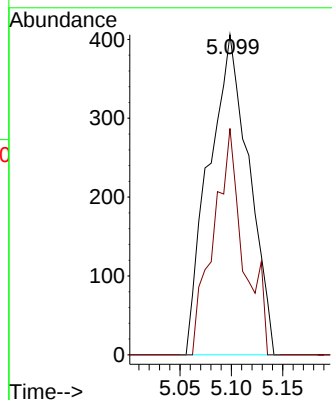
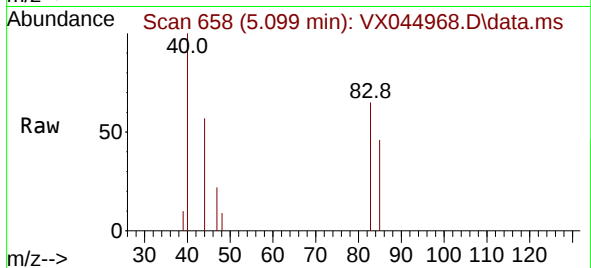
ClientSampleId :

Tgt Ion: 83 Resp: 1102

Ion Ratio Lower Upper

83 100

85 70.7 52.1 78.1



#31

Cyclohexane

Concen: 1.095 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.080 min

Lab File: VX044968.D

Acq: 14 Feb 2025 17:48

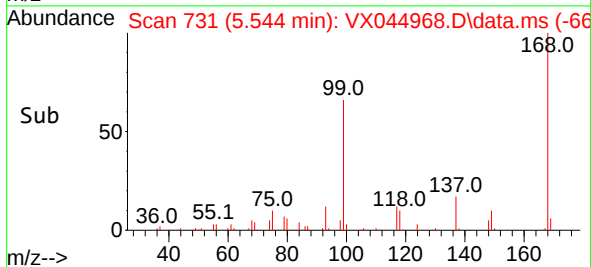
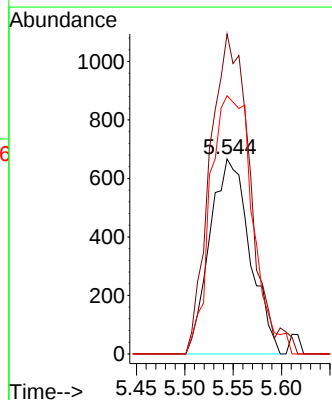
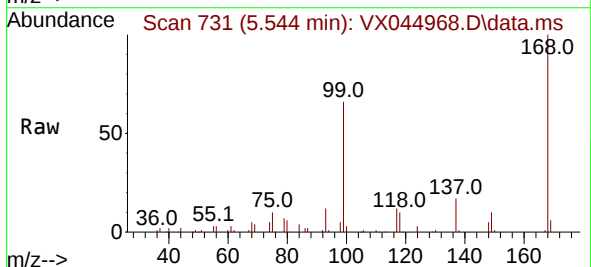
Tgt Ion: 56 Resp: 1921

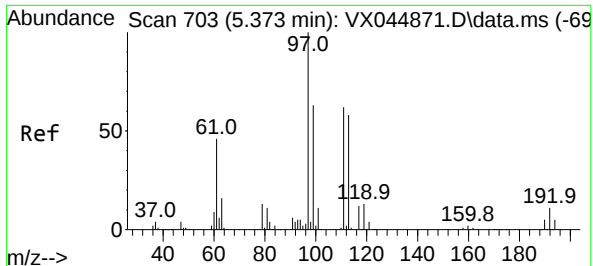
Ion Ratio Lower Upper

56 100

69 164.0 24.4 36.6#

84 132.4 69.0 103.6#





#32

1,1,1-Trichloroethane

Concen: 0.610 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044968.D

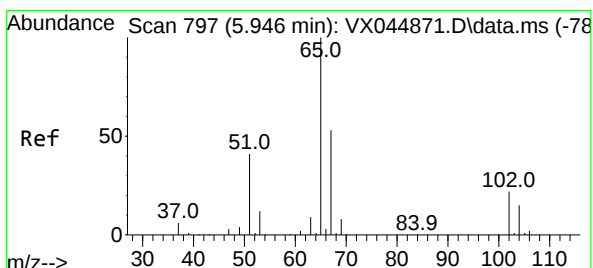
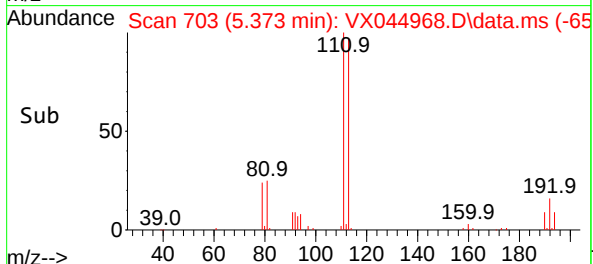
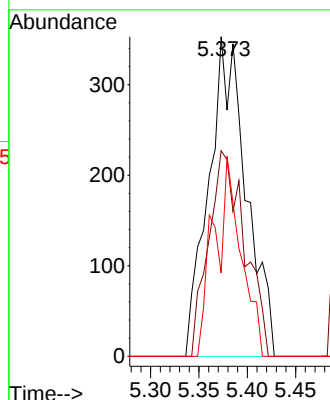
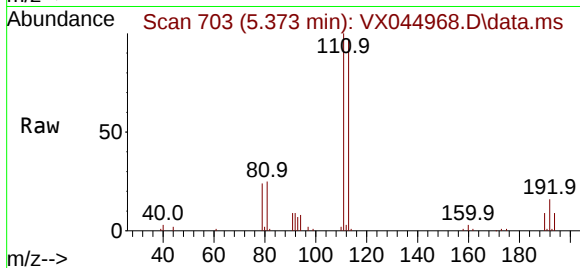
Acq: 14 Feb 2025 17:48

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	97	Resp:	954
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	44.9	36.6	55.0



#33

1,2-Dichloroethane-d4

Concen: 57.330 ug/l

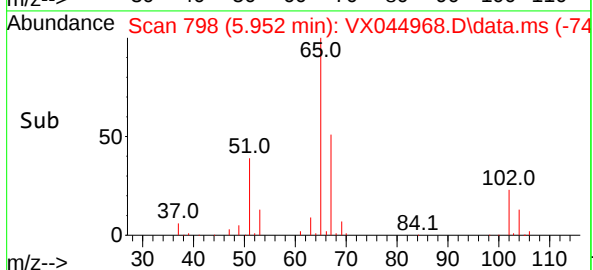
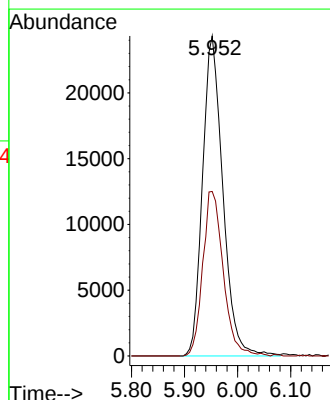
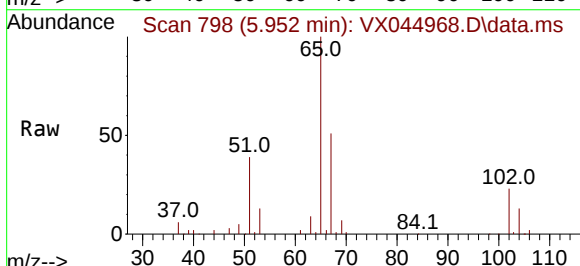
RT: 5.952 min Scan# 798

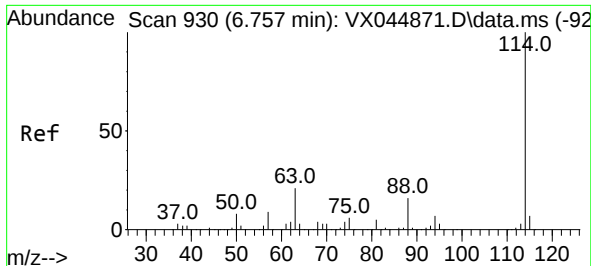
Delta R.T. 0.006 min

Lab File: VX044968.D

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Tgt Ion:	65	Resp:	64740
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	108.2

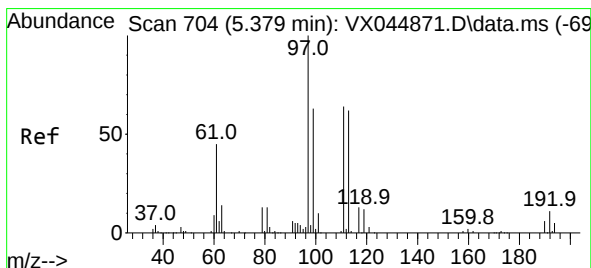
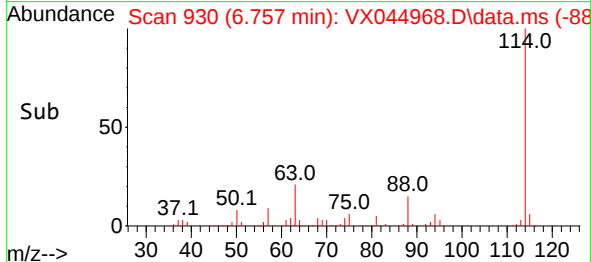
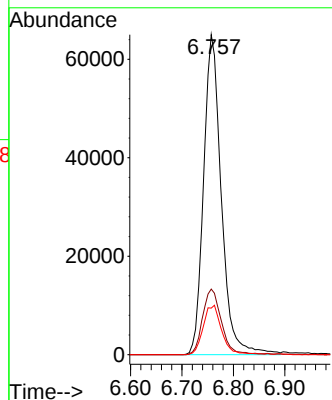
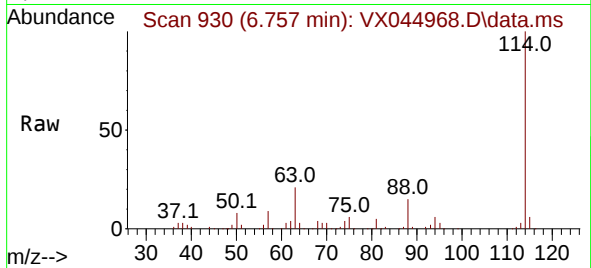




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

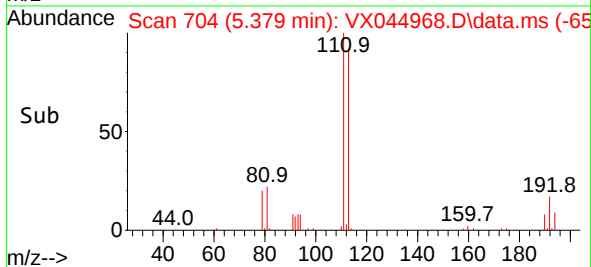
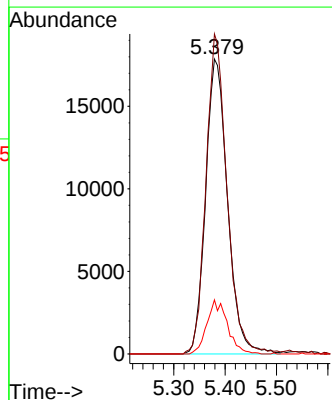
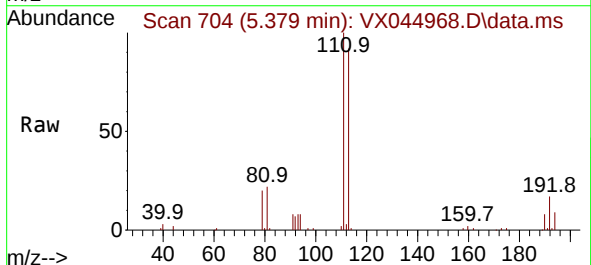
Instrument :
MSVOA_X
ClientSampleId :

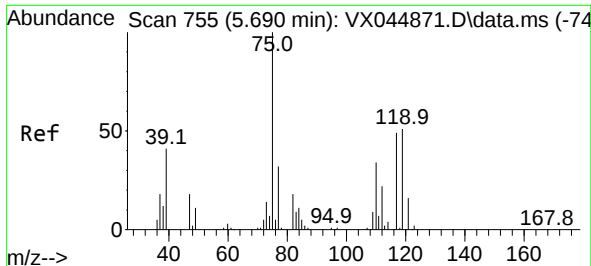
Tgt Ion:114 Resp: 155981
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.4
88 14.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.197 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Tgt Ion:113 Resp: 52935
Ion Ratio Lower Upper
113 100
111 104.0 83.5 125.3
192 17.2 14.4 21.6

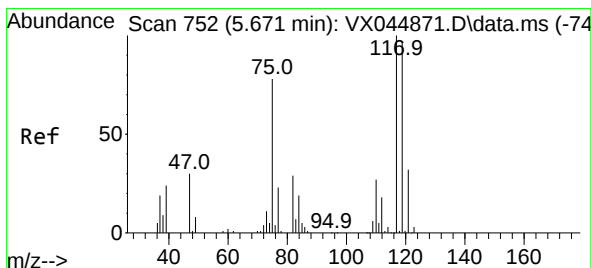
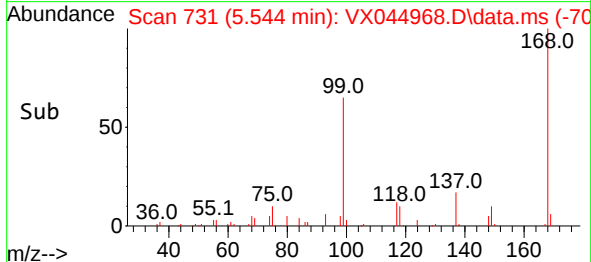
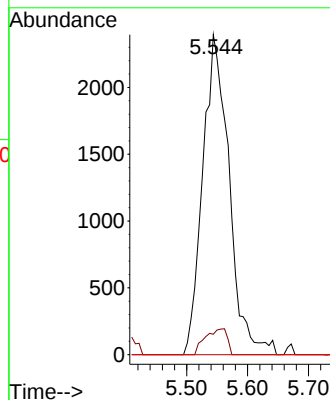
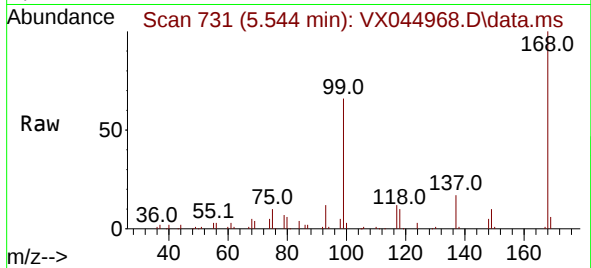




#36
1,1-Dichloropropene
Concen: 4.941 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

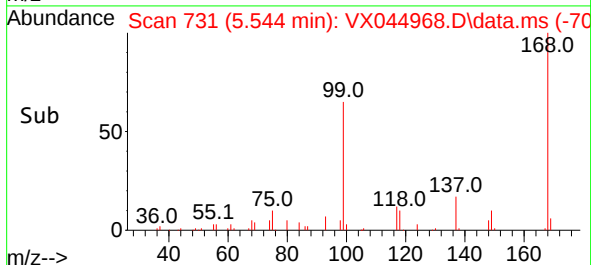
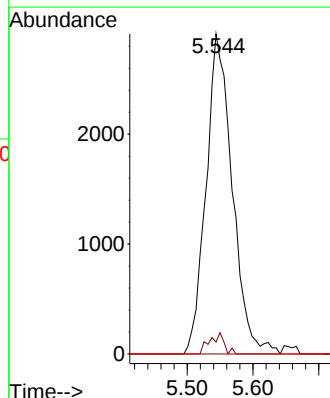
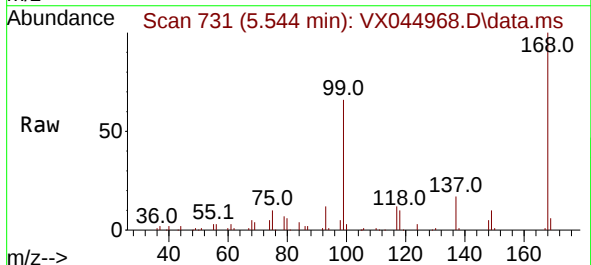
Instrument :
MSVOA_X
ClientSampleId :

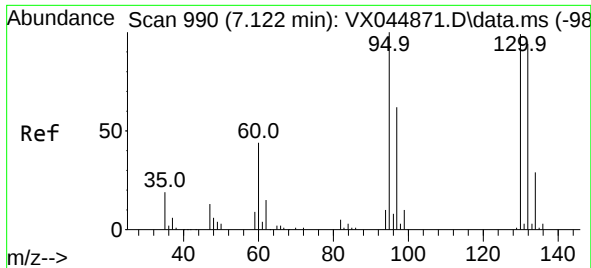
Tgt Ion: 75 Resp: 7229
Ion Ratio Lower Upper
75 100
110 6.7 17.2 51.6#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.631 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Tgt Ion: 117 Resp: 8074
Ion Ratio Lower Upper
117 100
119 3.7 77.5 116.3#
121 0.0 25.6 38.4#

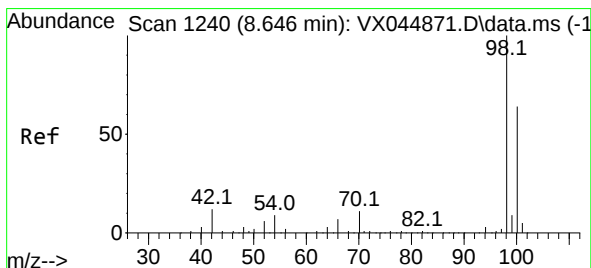
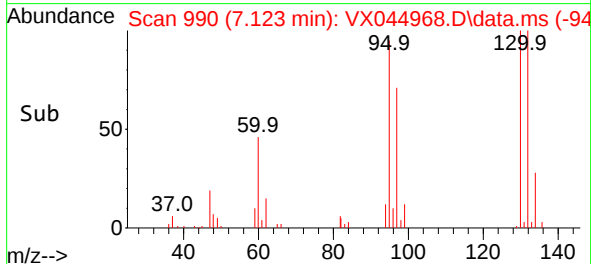
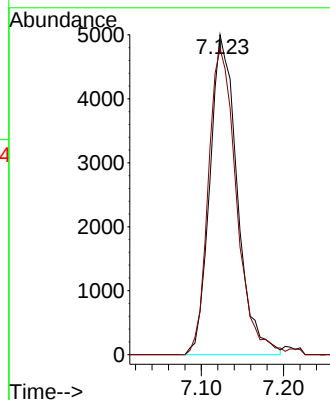
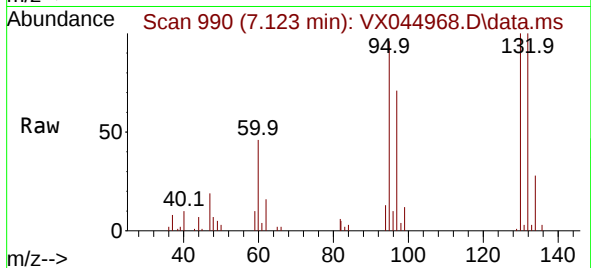




#44
Trichloroethene
Concen: 11.055 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

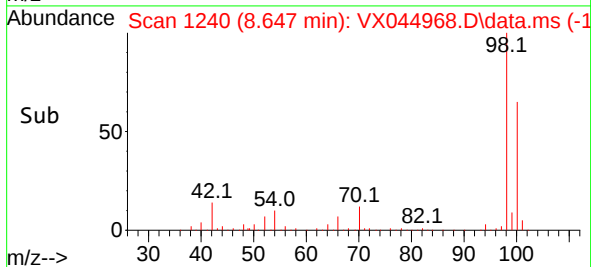
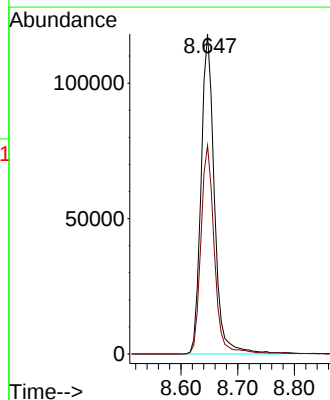
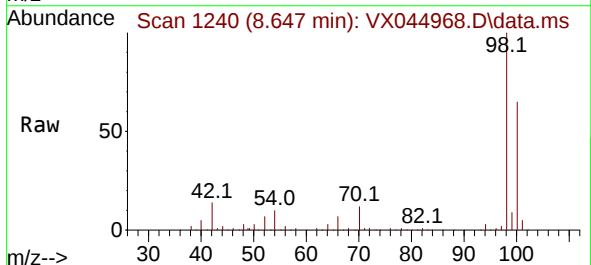
Instrument :
MSVOA_X
ClientSampleId :

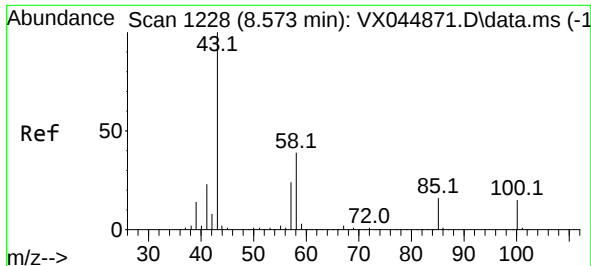
Tgt Ion:130 Resp: 11545
Ion Ratio Lower Upper
130 100
95 95.6 0.0 202.4



#50
Toluene-d8
Concen: 50.325 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

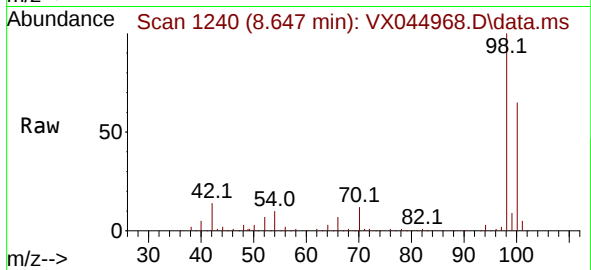
Tgt Ion: 98 Resp: 192989
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



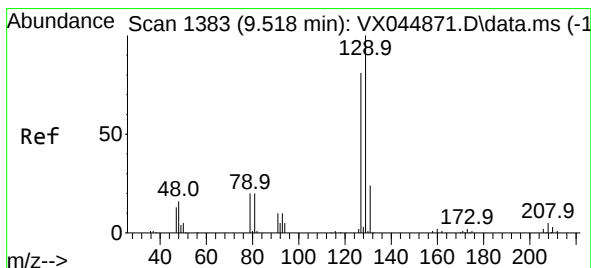
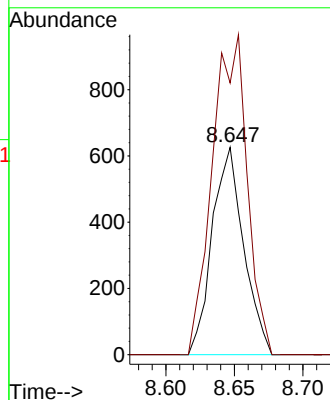
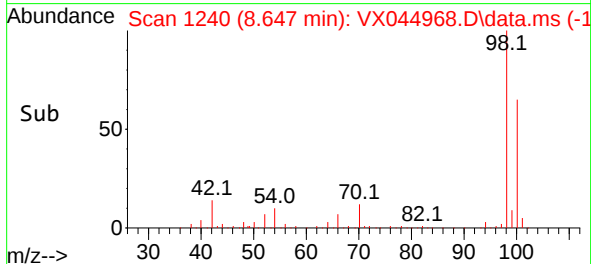


#51
4-Methyl-2-Pentanone
Concen: 0.626 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :

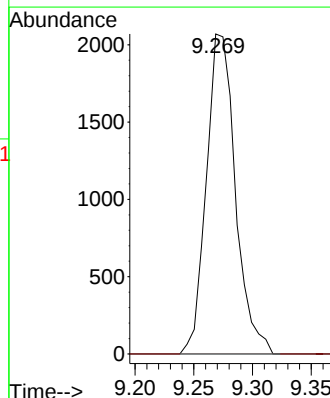
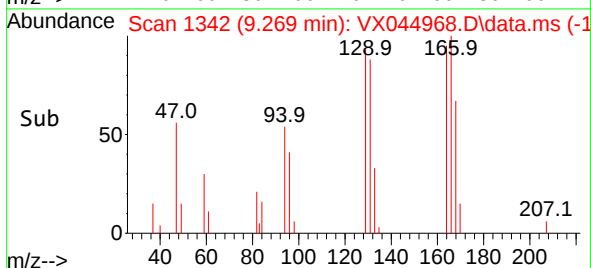
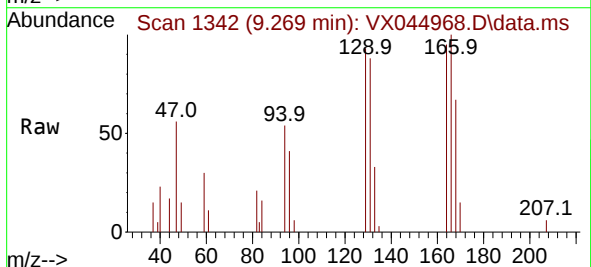


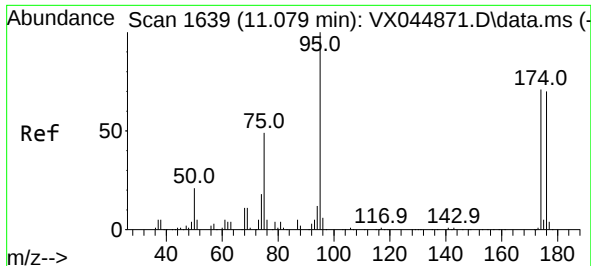
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
58 170.9 30.8 46.2#



#60
Dibromochloromethane
Concen: 3.186 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Tgt Ion: 129 Resp: 3564
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#

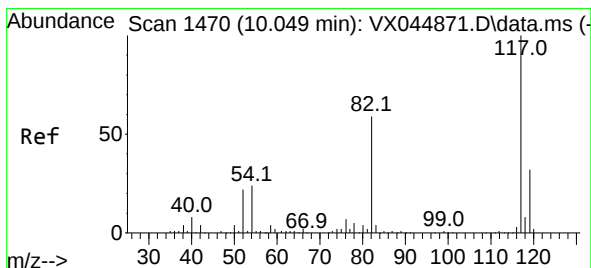
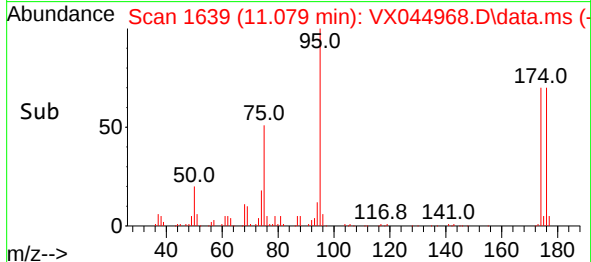
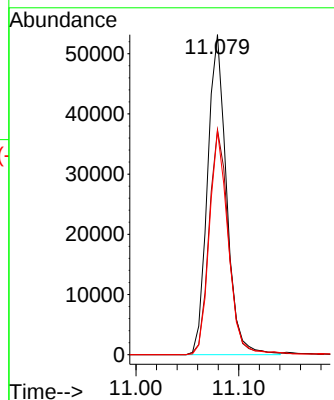
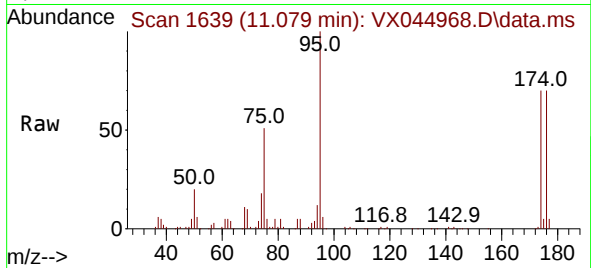




#62
4-Bromofluorobenzene
Concen: 52.817 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

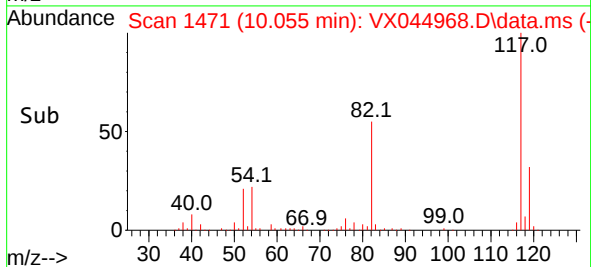
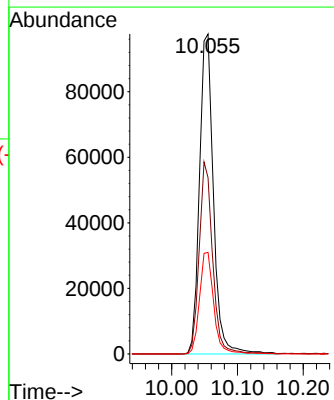
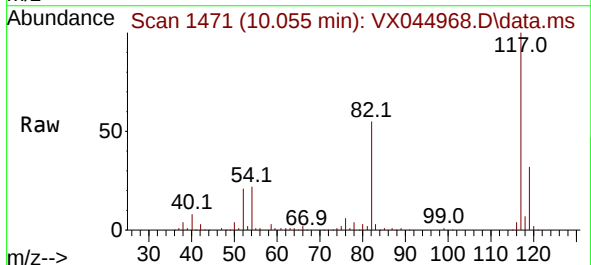
Instrument :
MSVOA_X
ClientSampleId :

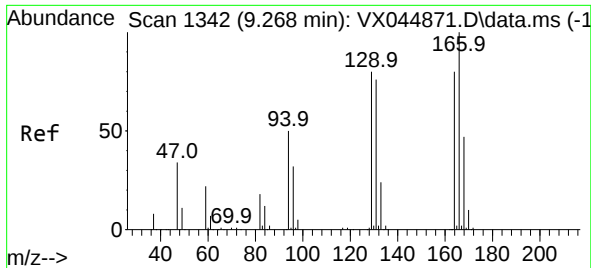
Tgt Ion: 95 Resp: 68282
Ion Ratio Lower Upper
95 100
174 72.5 0.0 142.6
176 69.5 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

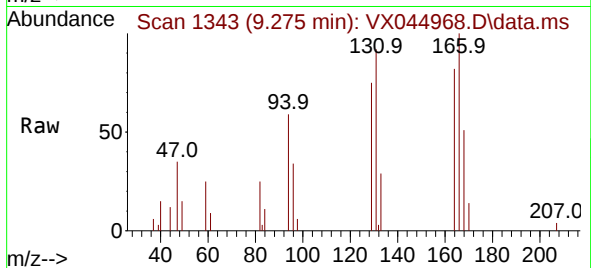
Tgt Ion: 117 Resp: 144021
Ion Ratio Lower Upper
117 100
82 55.1 47.5 71.3
119 31.8 25.4 38.0



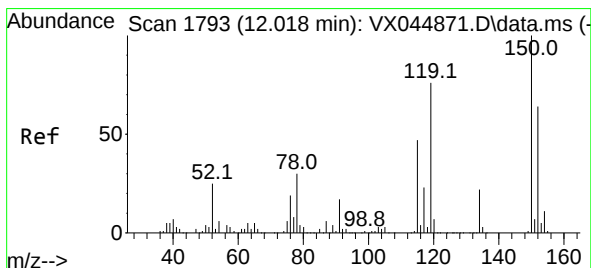
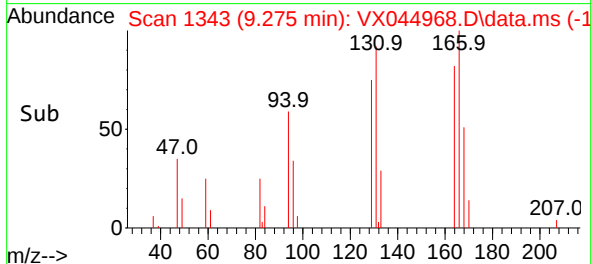
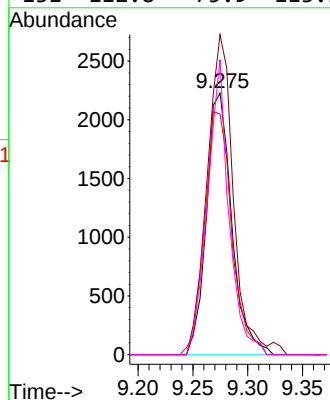


#64
Tetrachloroethene
Concen: 3.948 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :

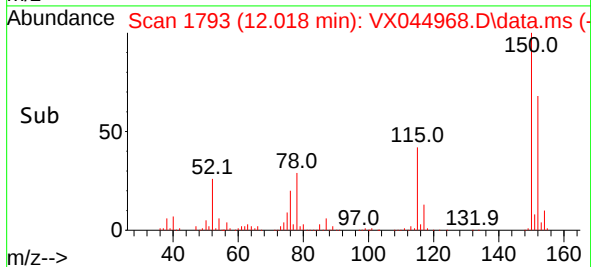
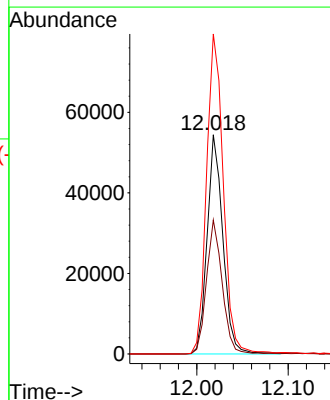
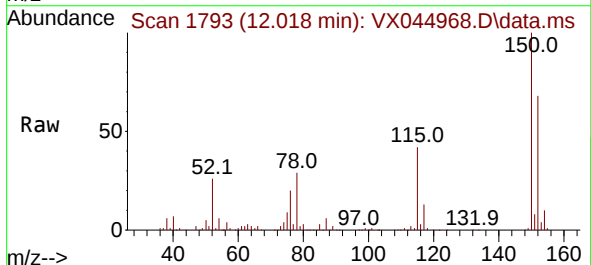


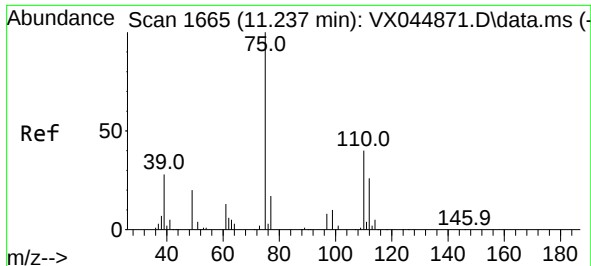
Tgt Ion:164	Resp:	3586
Ion	Ratio	Lower Upper
164	100	
166	122.4	100.4 150.6
129	92.1	79.9 119.9
131	112.8	75.9 113.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Tgt Ion:152	Resp:	65055
Ion	Ratio	Lower Upper
152	100	
115	61.1	43.4 130.1
150	155.4	0.0 350.4

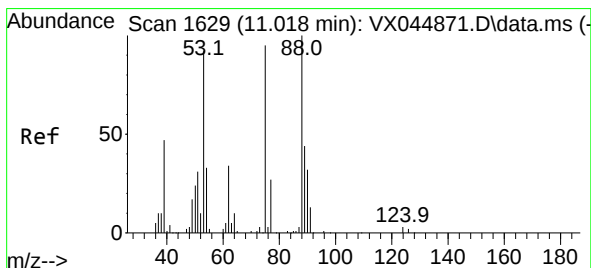
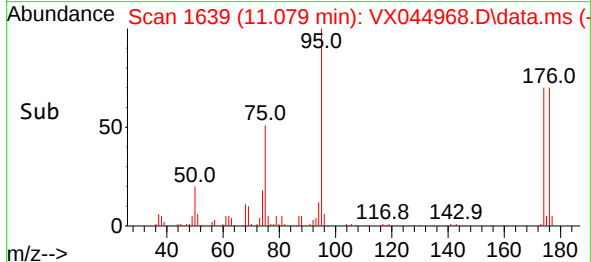
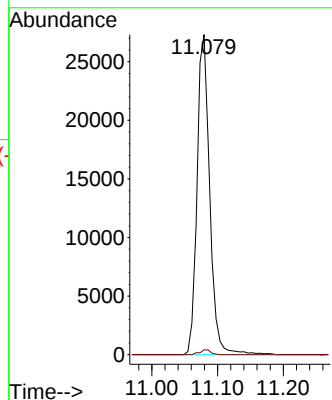
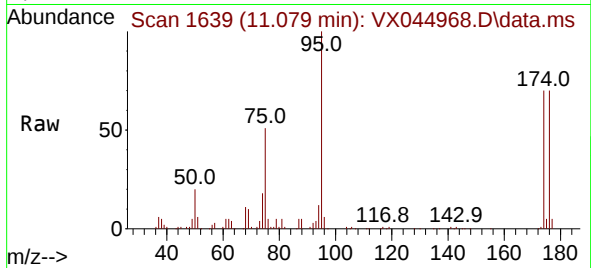




#76
1,2,3-Trichloropropane
Concen: 25.269 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 36447
Ion Ratio Lower Upper
75 100
77 1.3 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.001 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044968.D
Acq: 14 Feb 2025 17:48

Tgt Ion: 75 Resp: 36447
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

