

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044880.D
 Acq On : 10 Feb 2025 15:18
 Operator : JC/MD
 Sample : Q1250-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 11 06:06:10 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)

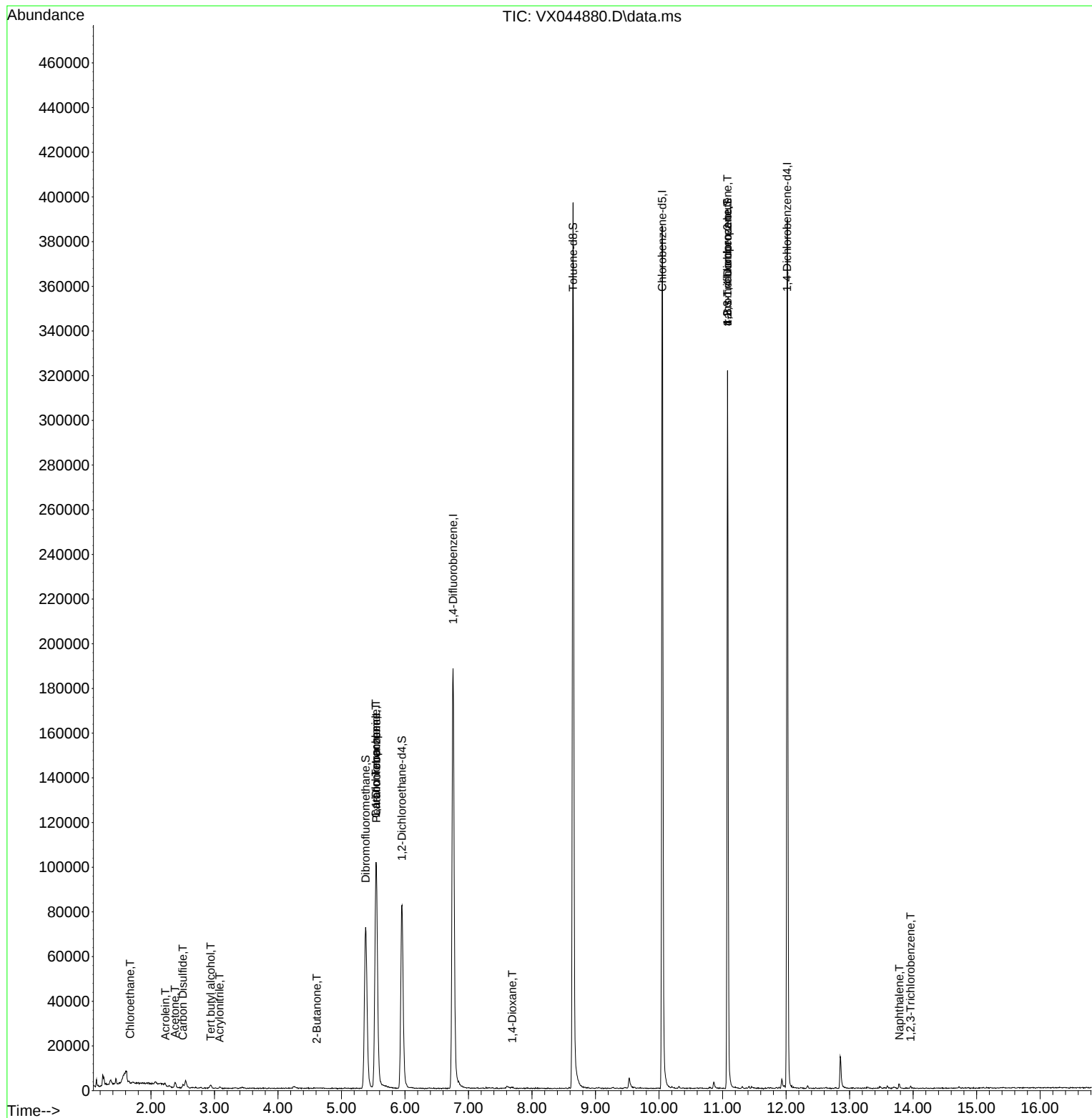
Internal Standards						
1) Pentafluorobenzene	5.549	168	96890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	196670	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	180490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75335	53.117	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.240%	
35) Dibromofluoromethane	5.379	113	65518	51.239	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.480%	
50) Toluene-d8	8.646	98	246144	50.907	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.820%	
62) 4-Bromofluorobenzene	11.079	95	84339	51.740	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.480%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	21	1.369	ug/l #	42
11) Tert butyl alcohol	2.940	59	663	2.520	ug/l #	73
13) Acrolein	2.227	56	228	0.840	ug/l #	35
15) Acrylonitrile	3.080	53	224	0.319	ug/l #	74
16) Acetone	2.379	43	2714	4.760	ug/l	96
17) Carbon Disulfide	2.501	76	1840	0.537	ug/l	99
25) 2-Butanone	4.611	43	484	0.523	ug/l #	48
36) 1,1-Dichloropropene	5.543	75	8730	4.732	ug/l #	49
38) Carbon Tetrachloride	5.543	117	10711	5.925	ug/l #	15
49) 1,4-Dioxane	7.689	88	161	4.803	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	43900	25.251	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	43900	64.956	ug/l #	11
95) Naphthalene	13.786	128	2048	0.362	ug/l #	87
96) 1,2,3-Trichlorobenzene	13.962	180	366	0.232	ug/l	80

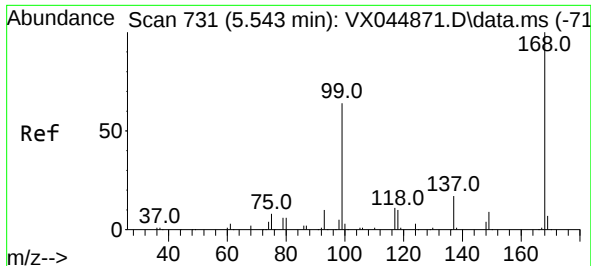
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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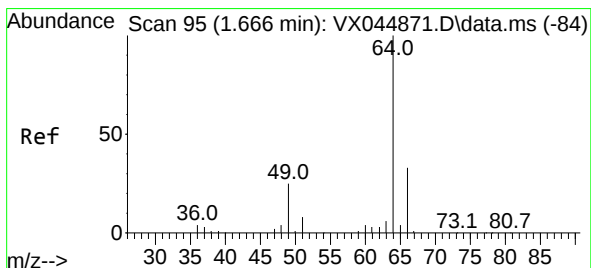
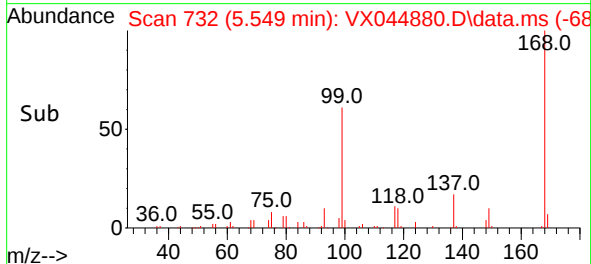
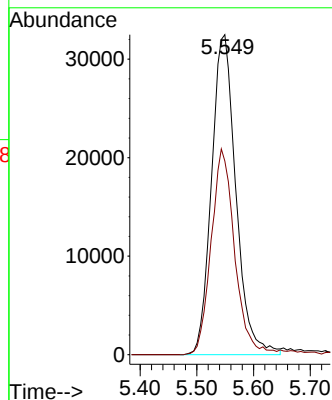
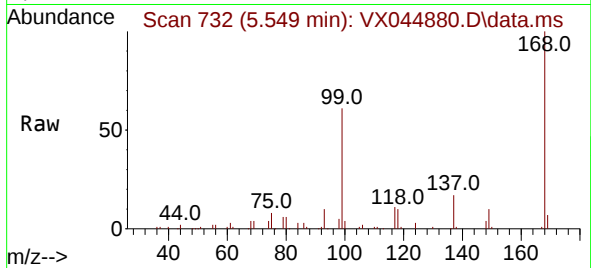




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

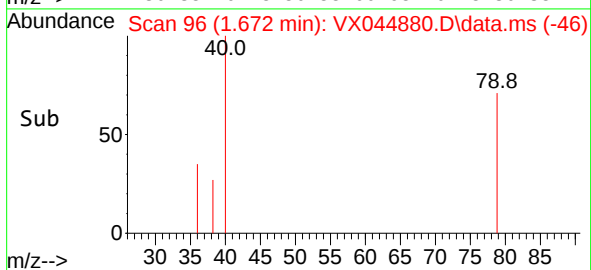
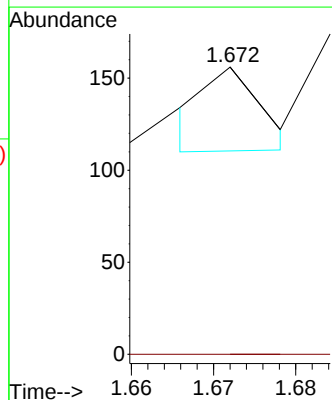
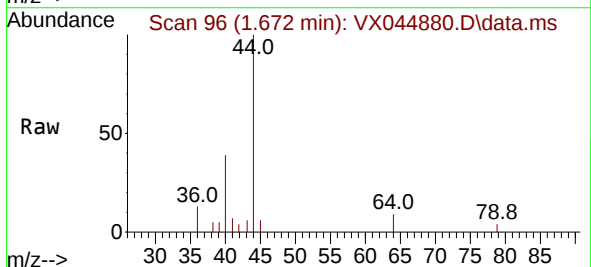
Instrument :
MSVOA_X
ClientSampleId :

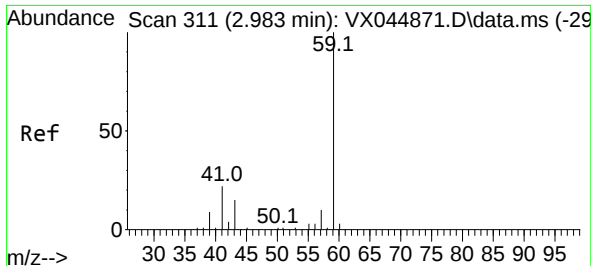
Tgt Ion:168 Resp: 96890
Ion Ratio Lower Upper
168 100
99 60.5 51.2 76.8



#6
Chloroethane
Concen: 1.369 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

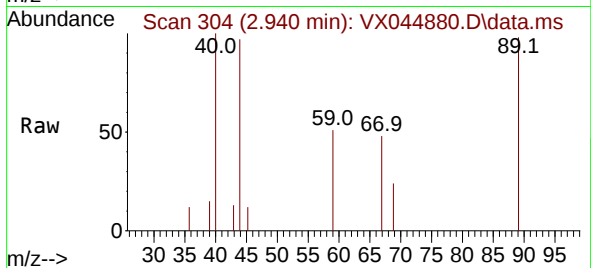
Tgt Ion: 64 Resp: 21
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



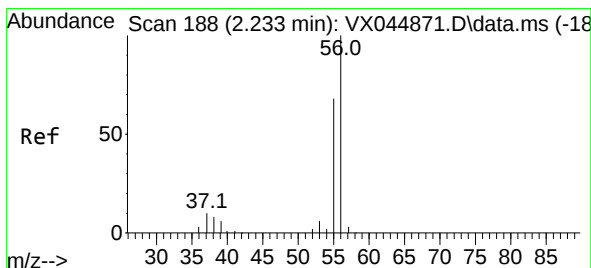
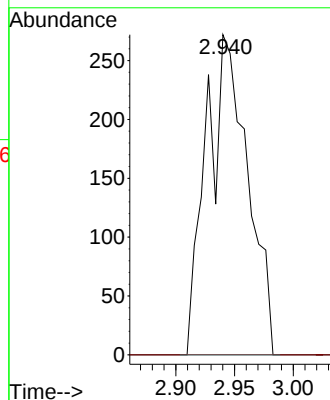
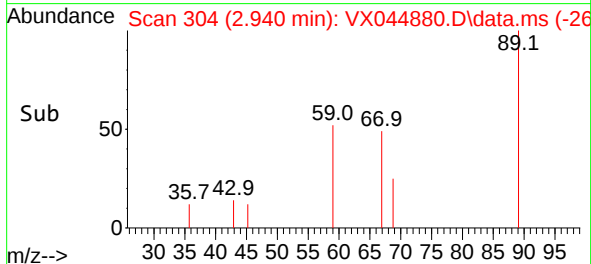


#11
Tert butyl alcohol
Concen: 2.520 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

Instrument : MSVOA_X
ClientSampleId :

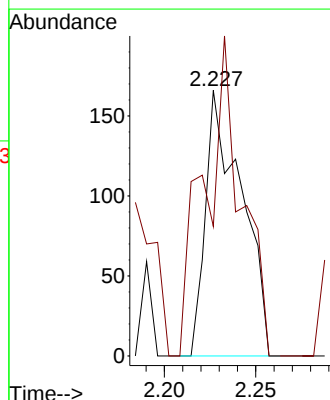
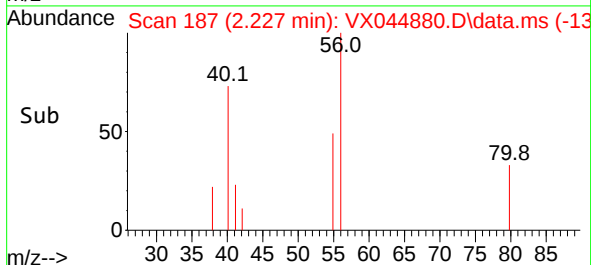
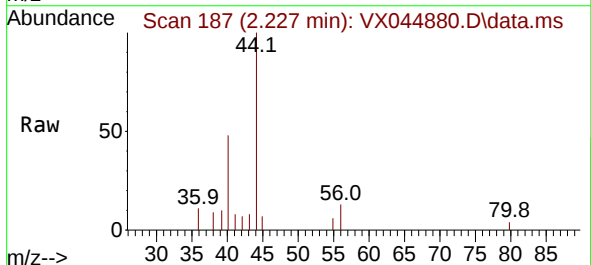


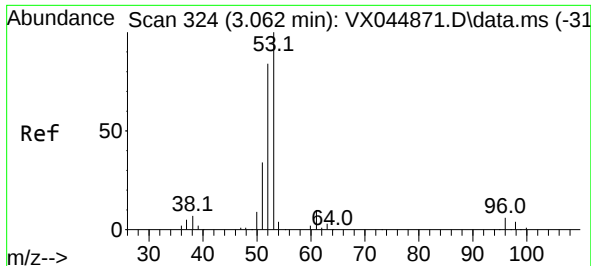
Tgt Ion: 59 Resp: 663
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.840 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

Tgt Ion: 56 Resp: 228
Ion Ratio Lower Upper
56 100
55 122.8 55.7 83.5#





#15

Acrylonitrile

Concen: 0.319 ug/l

RT: 3.080 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX044880.D

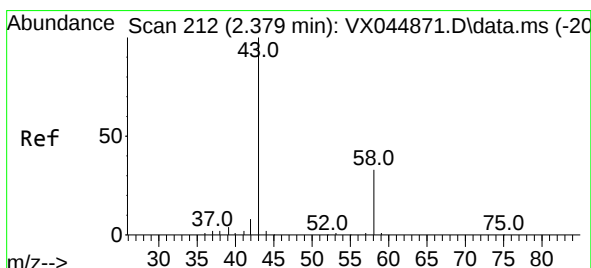
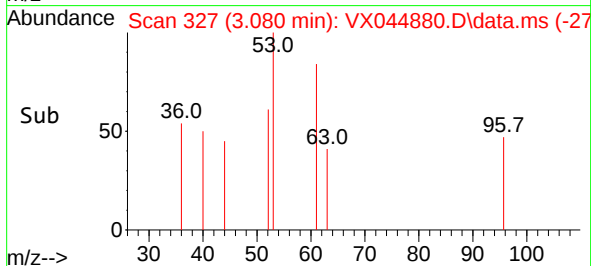
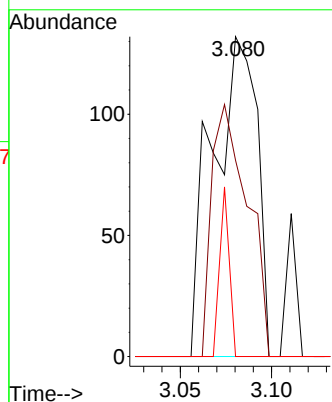
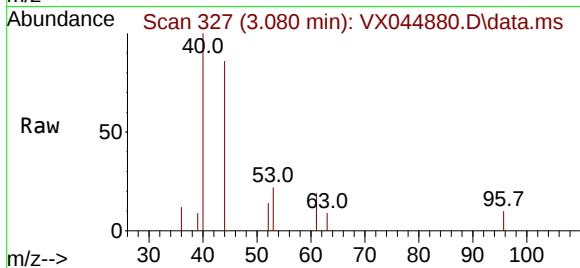
Acq: 10 Feb 2025 15:18

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp:	224
Ion	Ratio	Lower Upper
53	100	
52	63.8	65.0 97.6#
51	11.6	28.0 42.0#



#16

Acetone

Concen: 4.760 ug/l

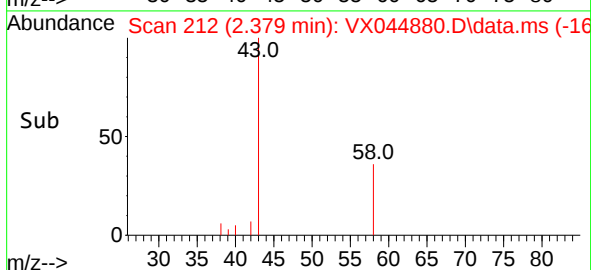
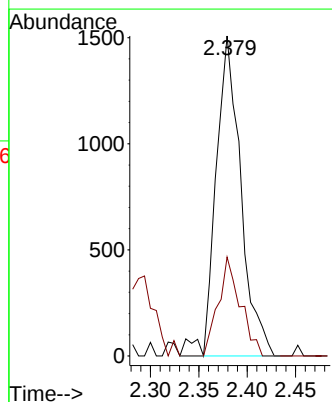
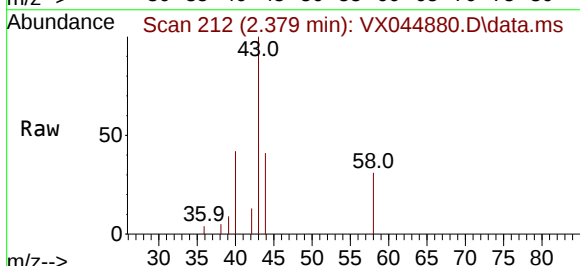
RT: 2.379 min Scan# 212

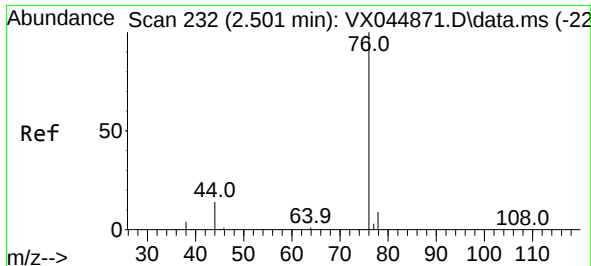
Delta R.T. -0.000 min

Lab File: VX044880.D

Acq: 10 Feb 2025 15:18

Tgt Ion: 43	Resp:	2714
Ion	Ratio	Lower Upper
43	100	
58	30.9	26.5 39.7

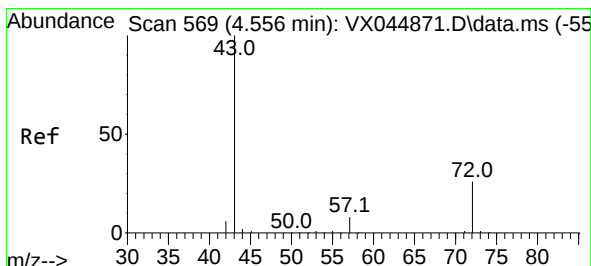
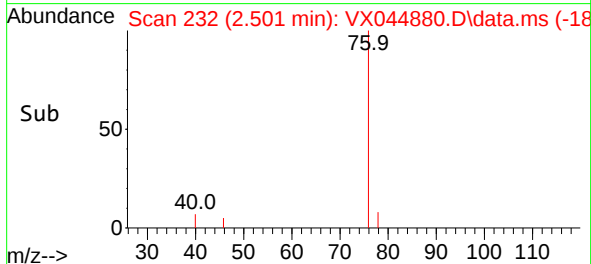
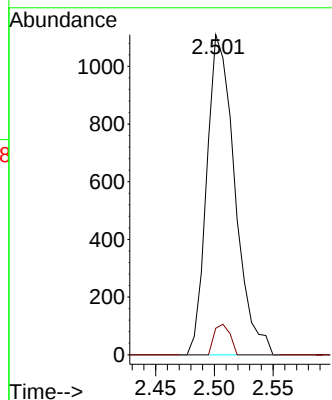
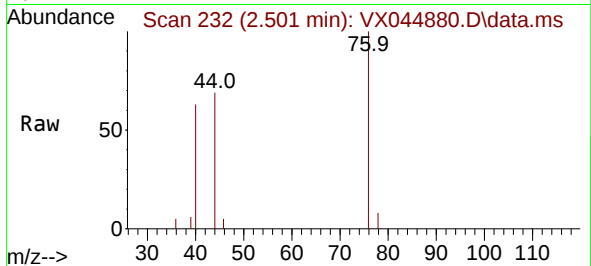




#17
Carbon Disulfide
Concen: 0.537 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

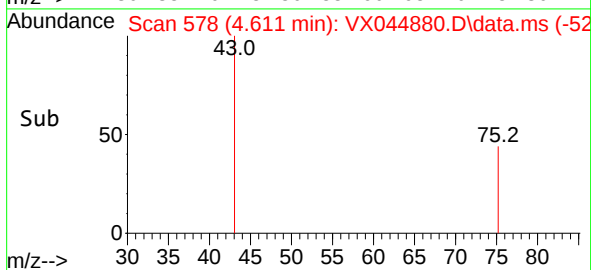
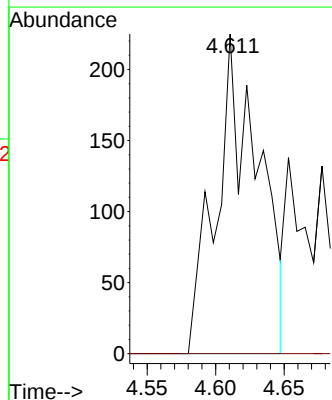
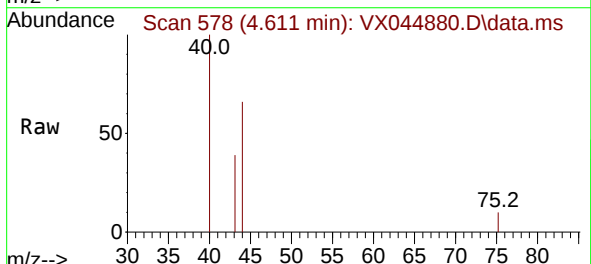
Instrument :
MSVOA_X
ClientSampleId :

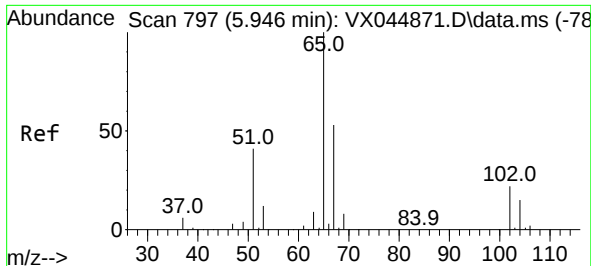
Tgt Ion: 76 Resp: 1840
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4



#25
2-Butanone
Concen: 0.523 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.055 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#





#33

1,2-Dichloroethane-d4

Concen: 53.117 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044880.D

Acq: 10 Feb 2025 15:18

Instrument :

MSVOA_X

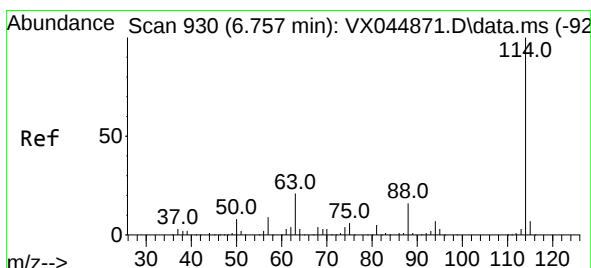
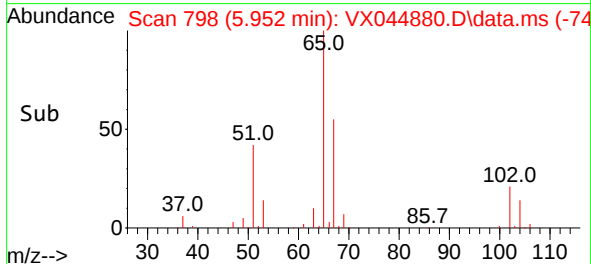
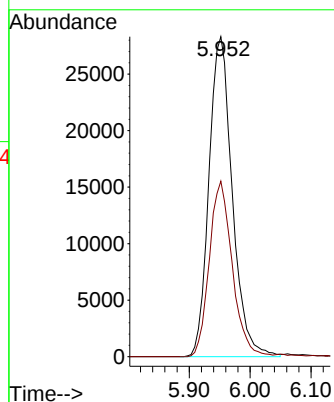
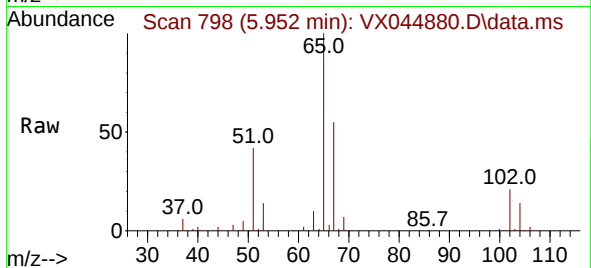
ClientSampleId :

Tgt Ion: 65 Resp: 75335

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.756 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044880.D

Acq: 10 Feb 2025 15:18

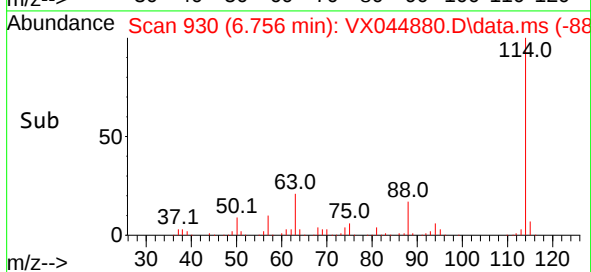
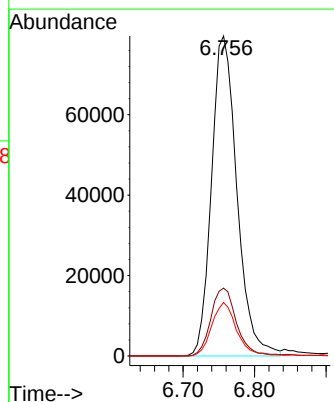
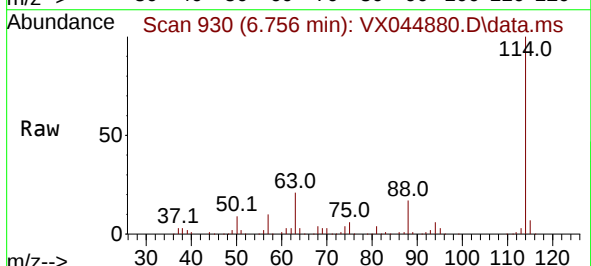
Tgt Ion: 114 Resp: 196670

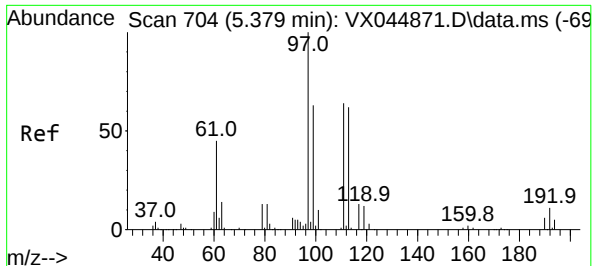
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.239 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

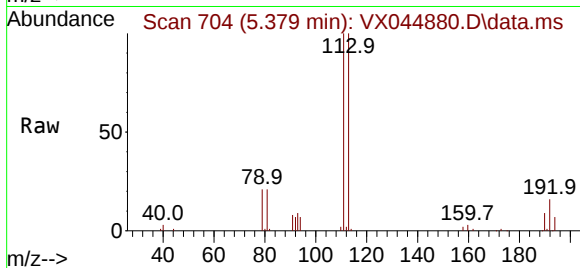
Lab File: VX044880.D

Acq: 10 Feb 2025 15:18

Instrument :

MSVOA_X

ClientSampleId :



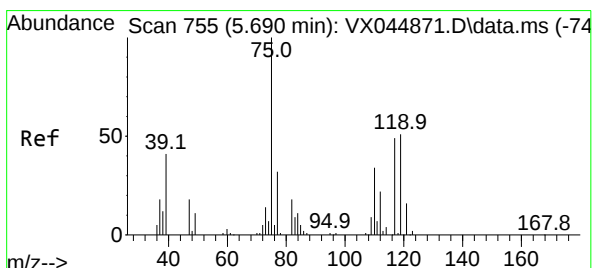
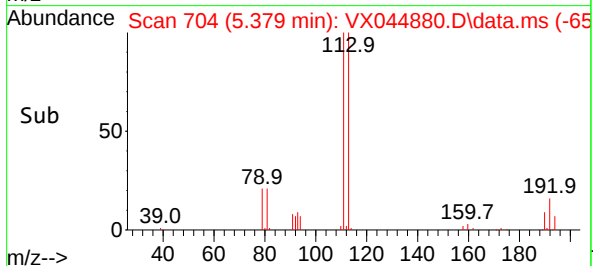
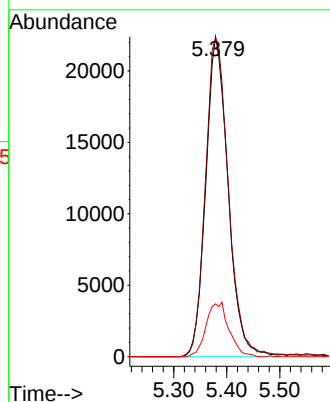
Tgt Ion:113 Resp: 65518

Ion Ratio Lower Upper

113 100

111 102.9 83.5 125.3

192 17.3 14.4 21.6



#36

1,1-Dichloropropene

Concen: 4.732 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX044880.D

Acq: 10 Feb 2025 15:18

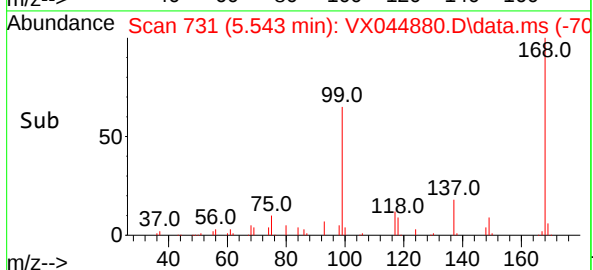
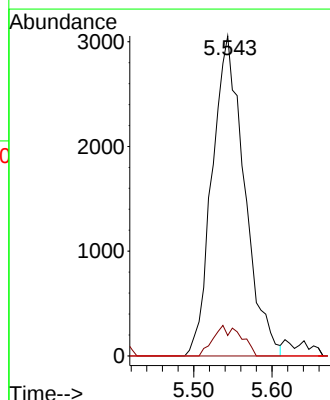
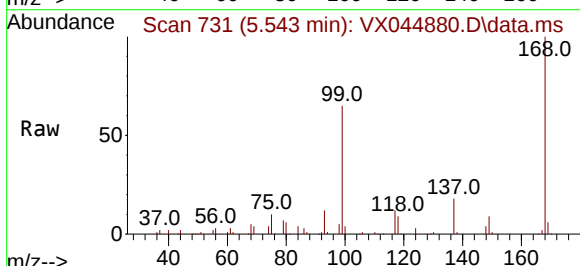
Tgt Ion: 75 Resp: 8730

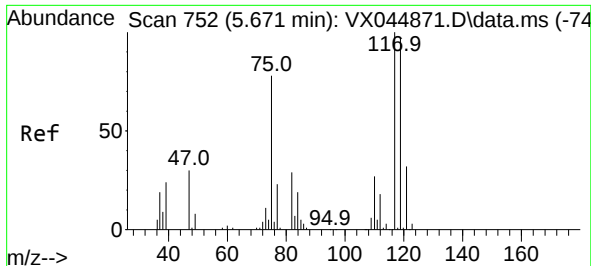
Ion Ratio Lower Upper

75 100

110 8.2 17.2 51.6#

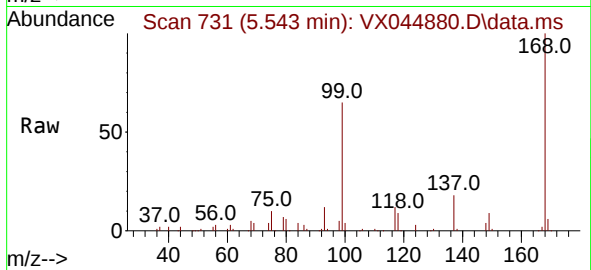
77 0.0 24.6 37.0#



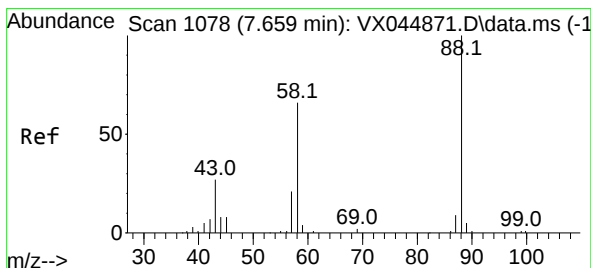
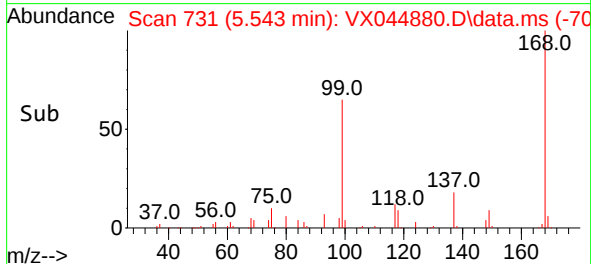
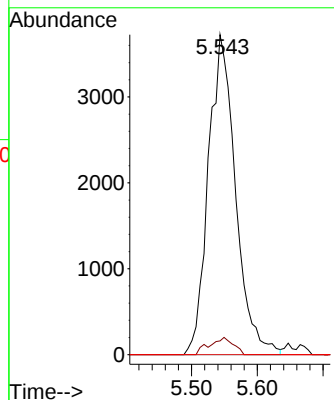


#38
Carbon Tetrachloride
Concen: 5.925 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :

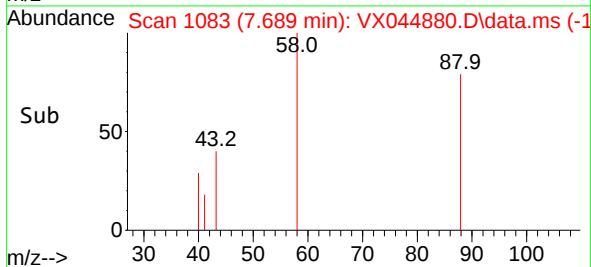
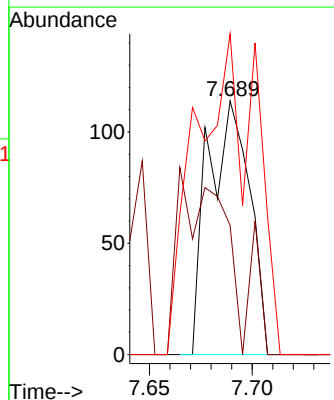
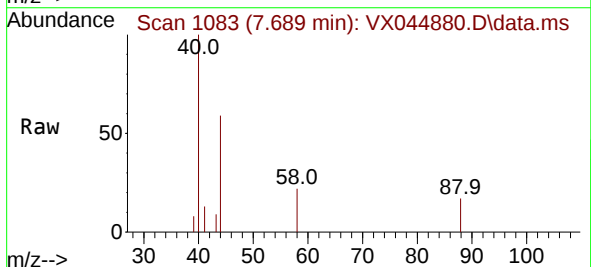


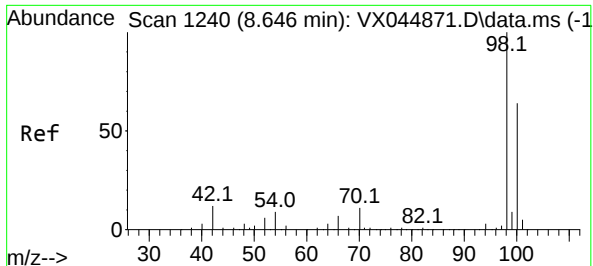
Tgt Ion:117 Resp: 10711
Ion Ratio Lower Upper
117 100
119 4.3 77.5 116.3#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 4.803 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.030 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

Tgt Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 178.9 55.9 83.9#

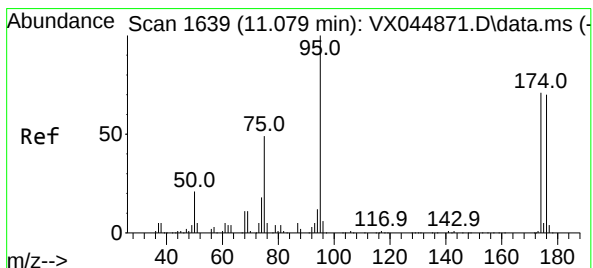
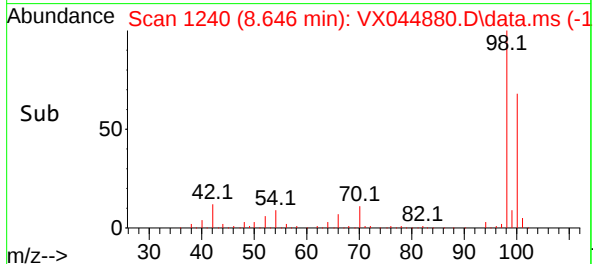
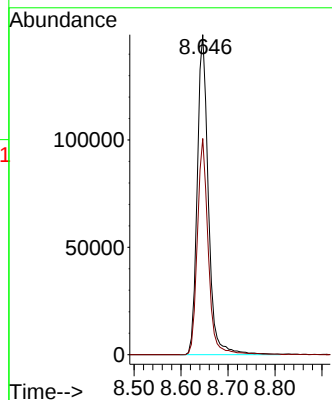
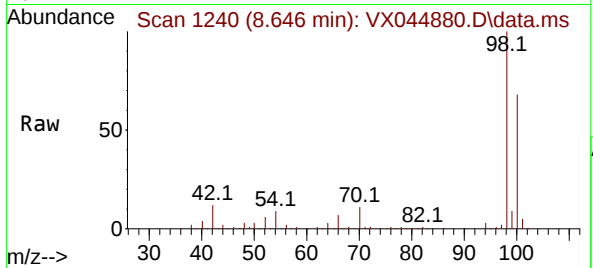




#50
Toluene-d8
Concen: 50.907 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

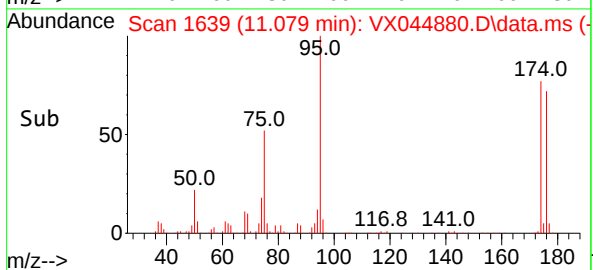
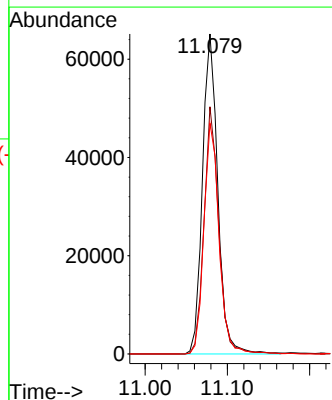
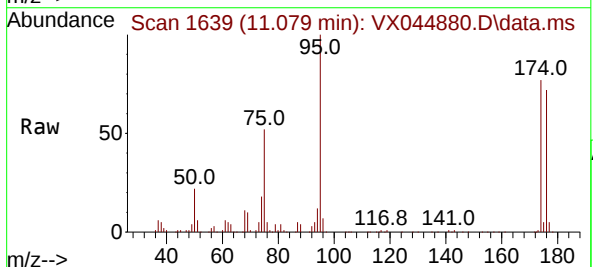
Instrument :
MSVOA_X
ClientSampleId :

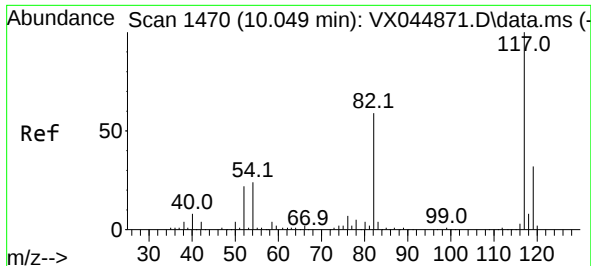
Tgt Ion: 98 Resp: 246144
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 51.740 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

Tgt Ion: 95 Resp: 84339
Ion Ratio Lower Upper
95 100
174 74.2 0.0 142.6
176 71.5 0.0 141.6

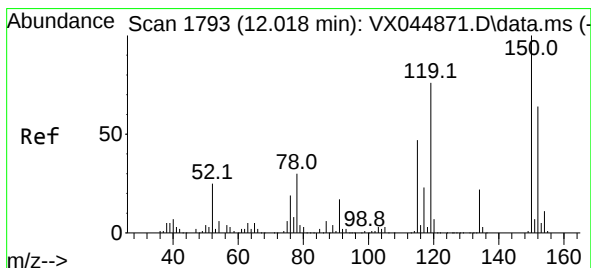
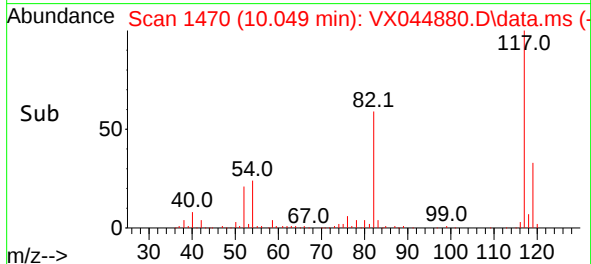
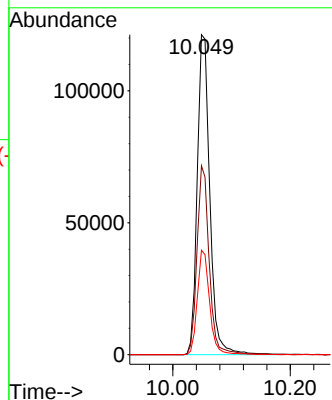
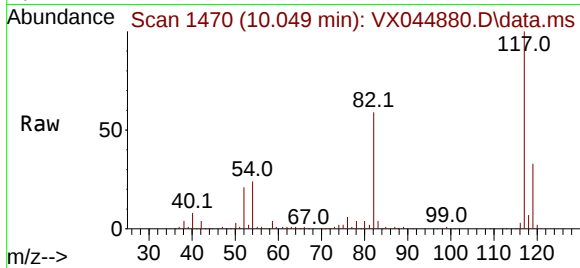




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

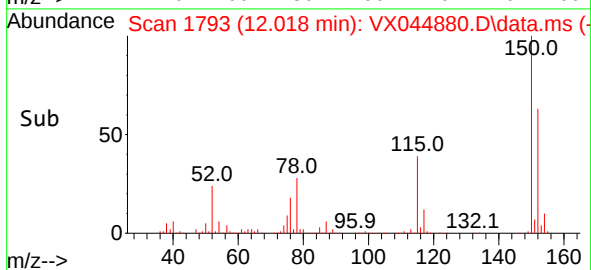
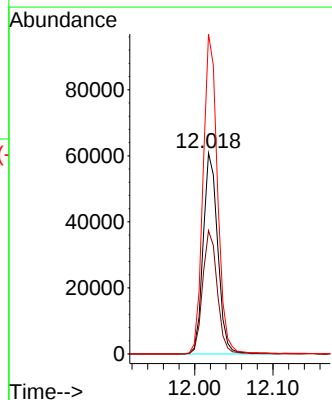
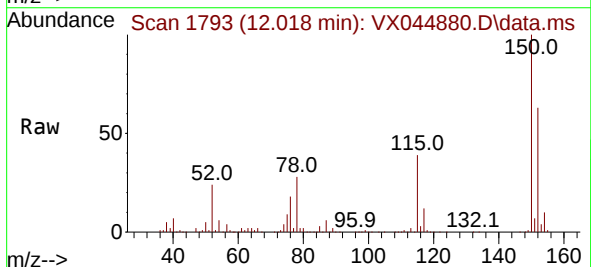
Instrument :
MSVOA_X
ClientSampleId :

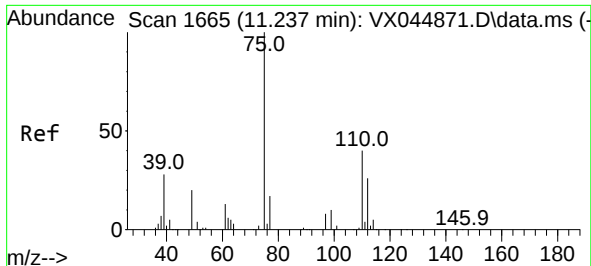
Tgt Ion:117 Resp: 180490
Ion Ratio Lower Upper
117 100
82 59.0 47.5 71.3
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

Tgt Ion:152 Resp: 78413
Ion Ratio Lower Upper
152 100
115 61.8 43.4 130.1
150 158.0 0.0 350.4

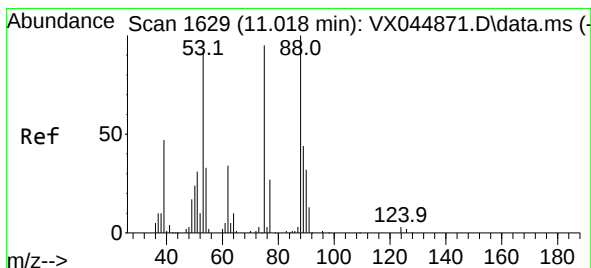
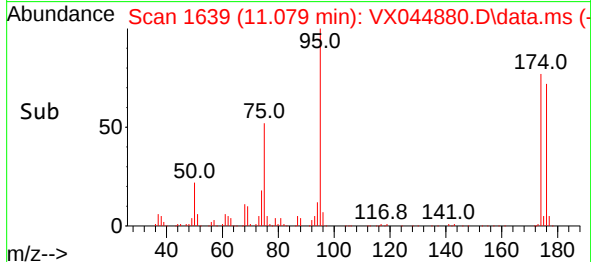
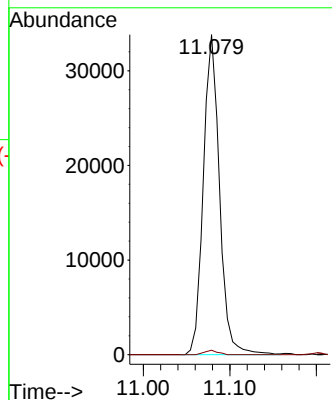
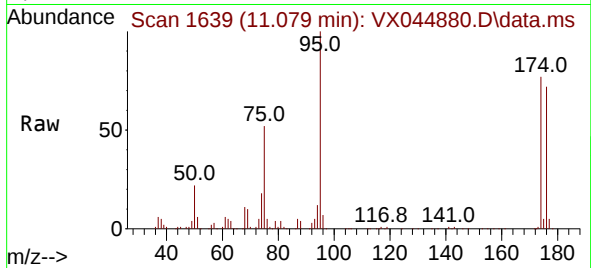




#76
1,2,3-Trichloropropane
Concen: 25.251 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

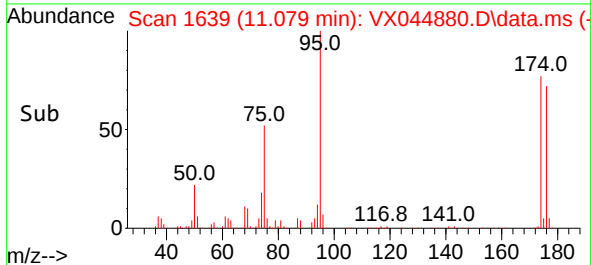
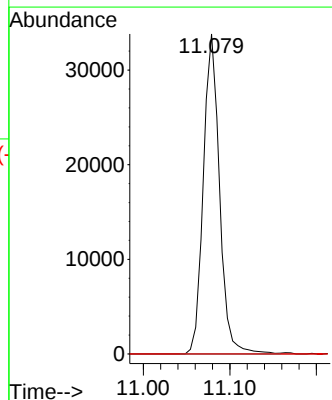
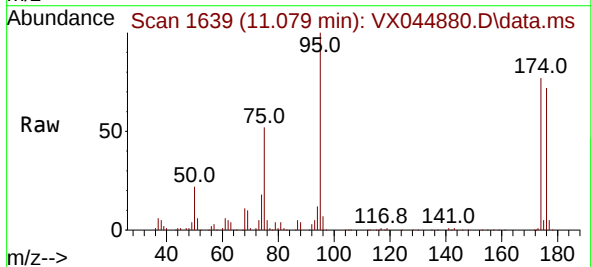
Instrument :
MSVOA_X
ClientSampleId :

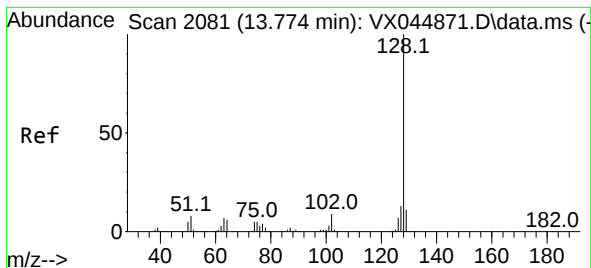
Tgt Ion: 75 Resp: 43900
Ion Ratio Lower Upper
75 100
77 1.2 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.956 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044880.D
Acq: 10 Feb 2025 15:18

Tgt Ion: 75 Resp: 43900
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 0.362 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX044880.D

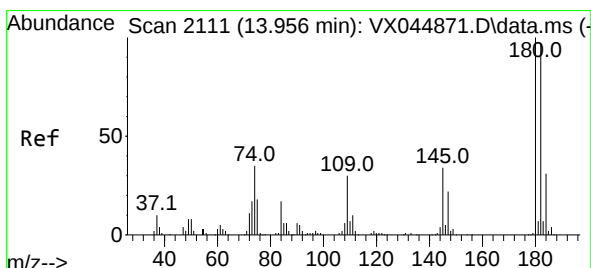
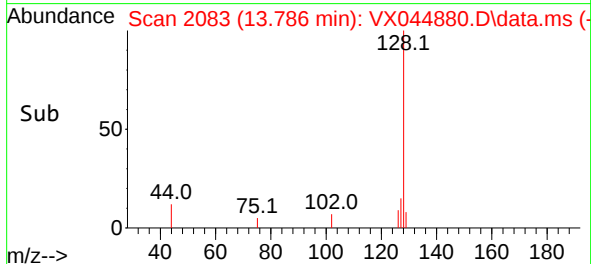
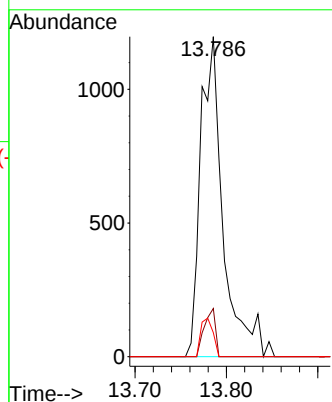
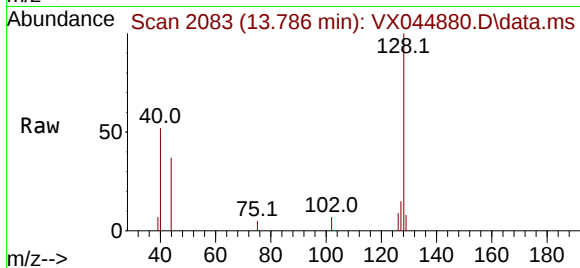
Acq: 10 Feb 2025 15:18

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	2048
Ion	Ratio	Lower Upper
128	100	
127	7.4	10.1 15.1#
129	6.5	8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 0.232 ug/l

RT: 13.962 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX044880.D

Acq: 10 Feb 2025 15:18

Tgt Ion:180	Resp:	366
Ion	Ratio	Lower Upper
180	100	
182	120.2	47.9 143.6
145	30.9	17.1 51.3

