

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX045990.D
 Acq On : 30 Apr 2025 12:09
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 01 03:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

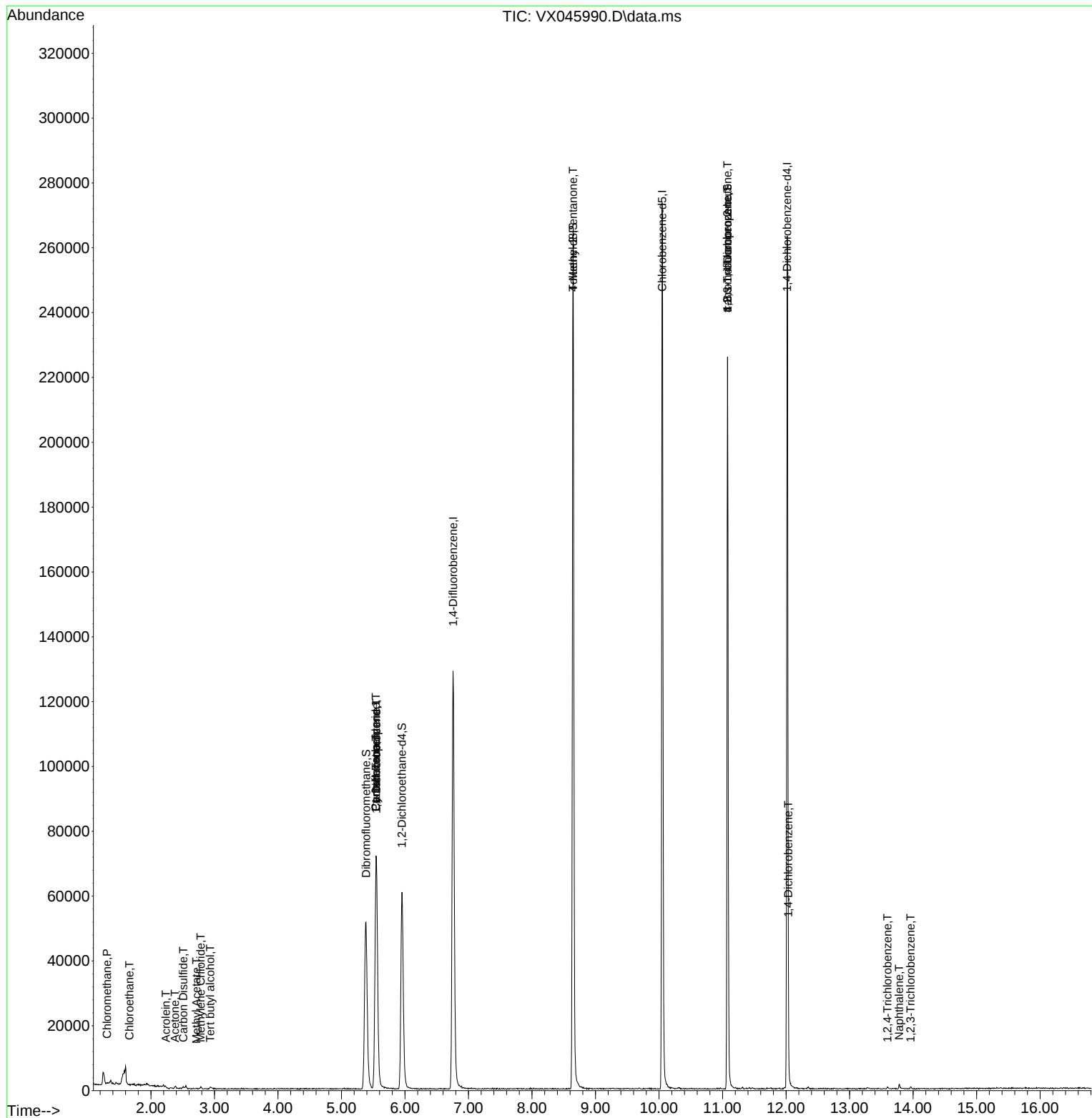
Internal Standards						
1) Pentafluorobenzene	5.544	168	60916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61915	55.579	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.160%
35) Dibromofluoromethane	5.385	113	45697	52.379	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.760%
50) Toluene-d8	8.647	98	153654	50.459	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.920%
62) 4-Bromofluorobenzene	11.079	95	58291	52.553	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	557	0.595	ug/l #	42
6) Chloroethane	1.660	64	173	0.381	ug/l #	42
11) Tert butyl alcohol	2.934	59	164	1.095	ug/l #	72
13) Acrolein	2.233	56	67	0.325	ug/l #	15
16) Acetone	2.380	43	937	2.048	ug/l	97
17) Carbon Disulfide	2.508	76	518	0.287	ug/l #	76
18) Methyl Acetate	2.715	43	221	0.210	ug/l #	54
20) Methylene Chloride	2.782	84	290	0.339	ug/l #	73
31) Cyclohexane	5.544	56	1933	1.415	ug/l #	46
36) 1,1-Dichloropropene	5.550	75	6233	5.291	ug/l #	46
38) Carbon Tetrachloride	5.544	117	7377	5.795	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	970	0.650	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	34001	28.838	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34001	97.871	ug/l #	1
88) 1,4-Dichlorobenzene	12.036	146	351	0.213	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	303	0.336	ug/l	79
95) Naphthalene	13.780	128	1403	0.418	ug/l #	88
96) 1,2,3-Trichlorobenzene	13.963	180	289	0.306	ug/l	93

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

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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX045990.D

Acq: 30 Apr 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

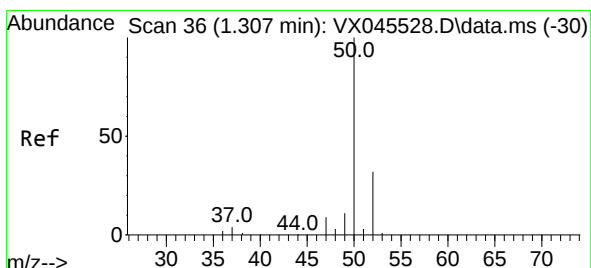
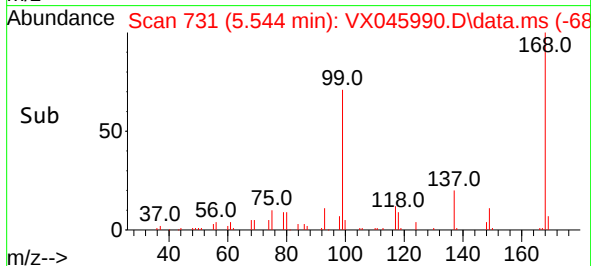
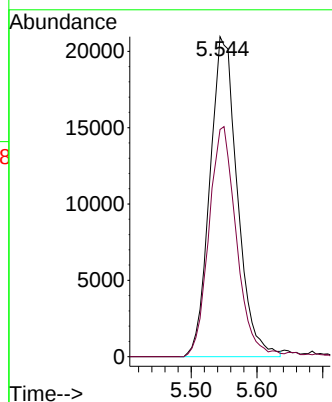
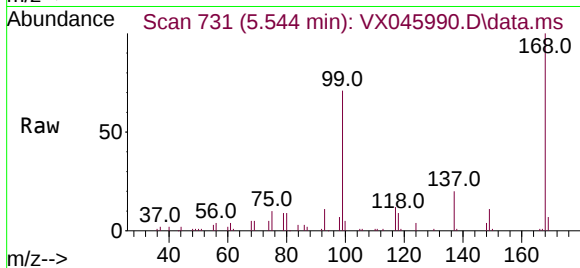
IBLK

Tgt Ion:168 Resp: 60916

Ion Ratio Lower Upper

168 100

99 71.0 52.3 78.5



#3

Chloromethane

Concen: 0.595 ug/l

RT: 1.307 min Scan# 36

Delta R.T. 0.000 min

Lab File: VX045990.D

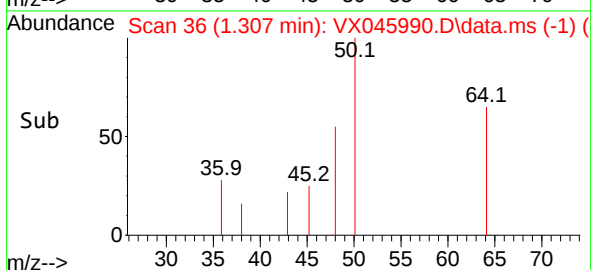
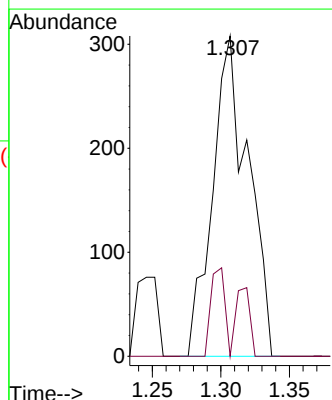
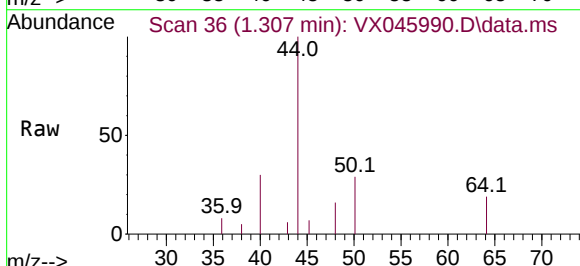
Acq: 30 Apr 2025 12:09

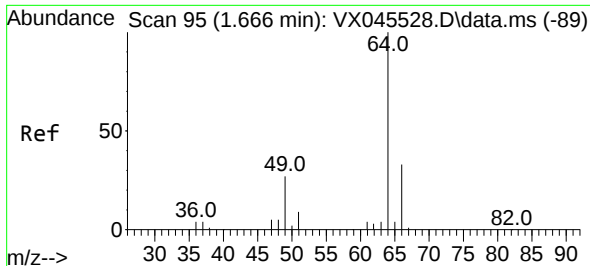
Tgt Ion: 50 Resp: 557

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#

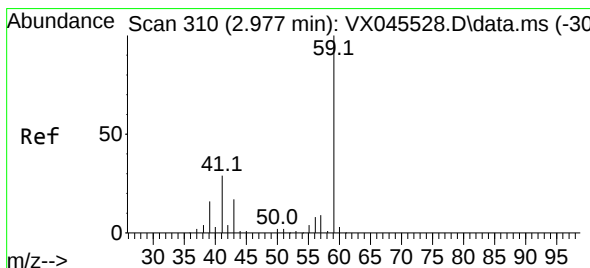
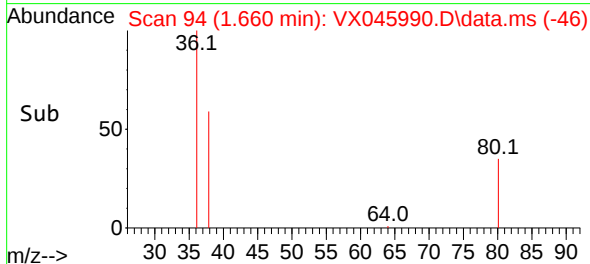
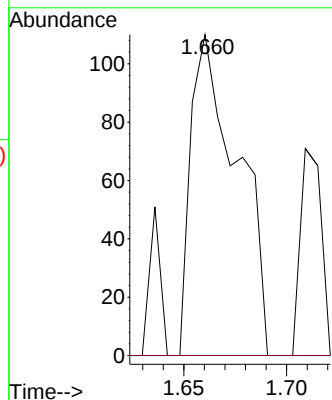
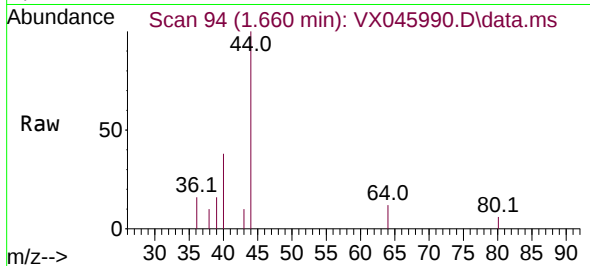




#6
Chloroethane
Concen: 0.381 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

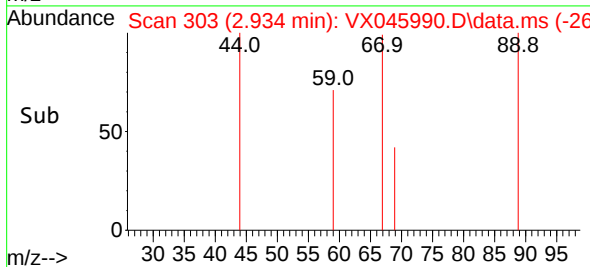
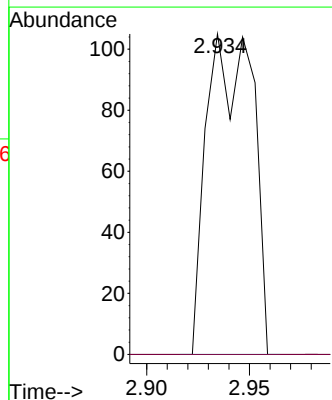
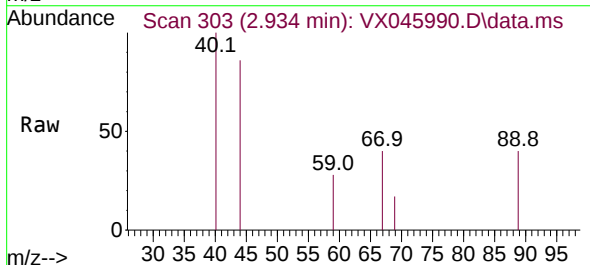
Instrument :
MSVOA_X
ClientSampleId :
IBLK

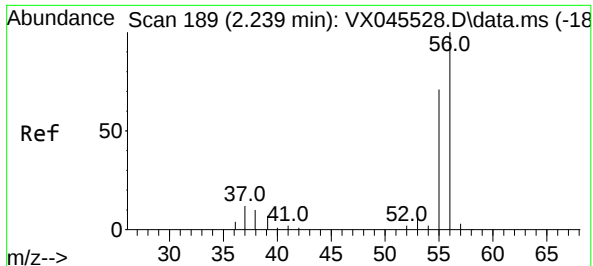
Tgt Ion: 64 Resp: 173
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 1.095 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

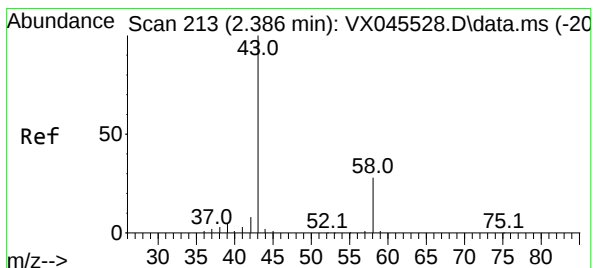
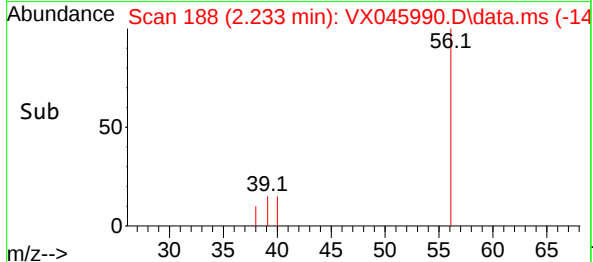
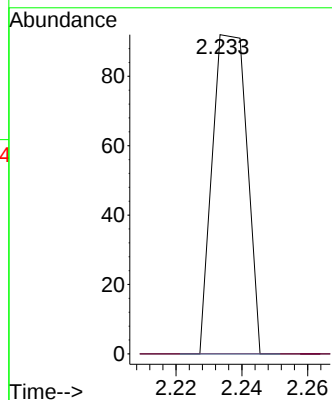
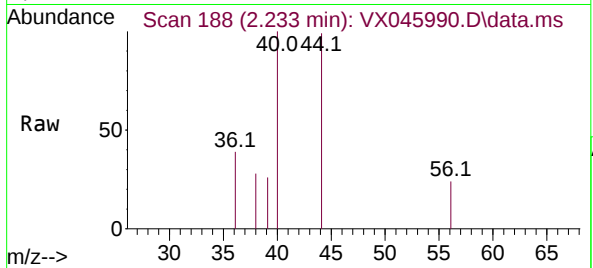




#13
Acrolein
Concen: 0.325 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

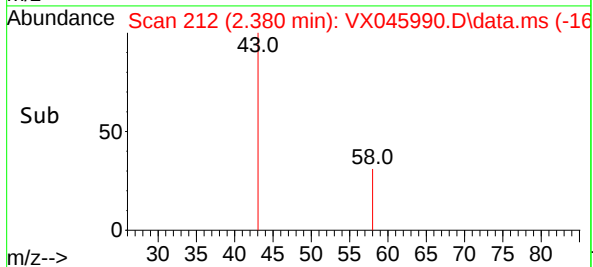
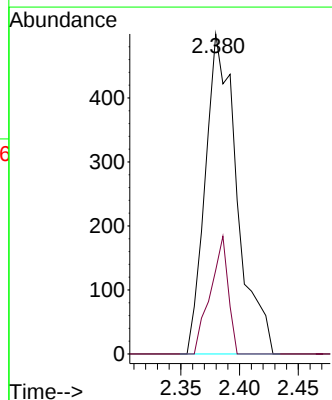
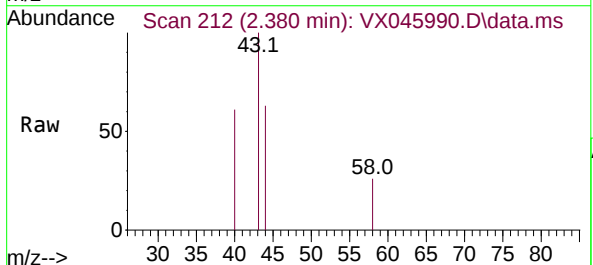
Instrument :
MSVOA_X
ClientSampleId :
IBLK

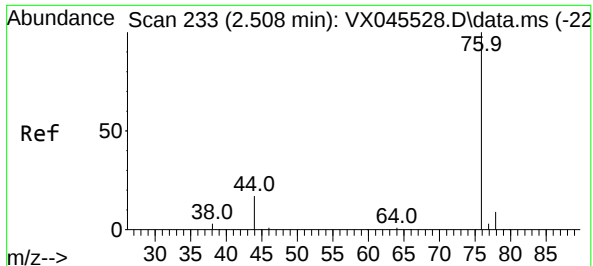
Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#16
Acetone
Concen: 2.048 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

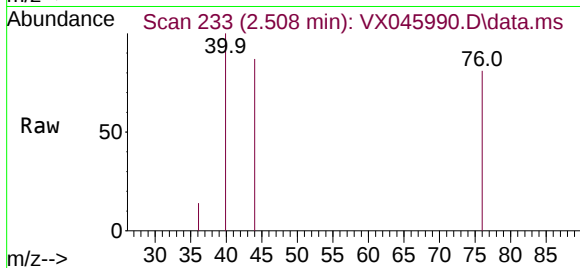
Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 26.2 22.3 33.5



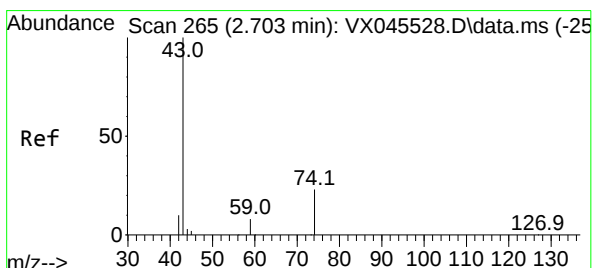
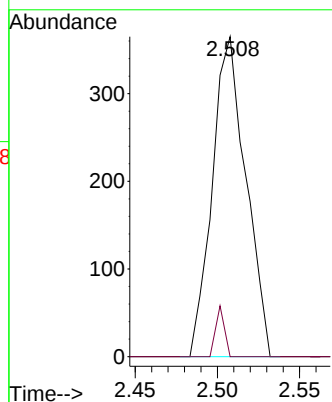
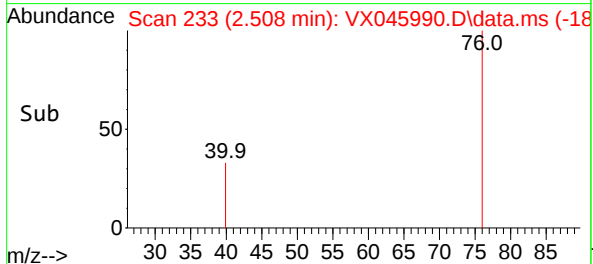


#17
Carbon Disulfide
Concen: 0.287 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

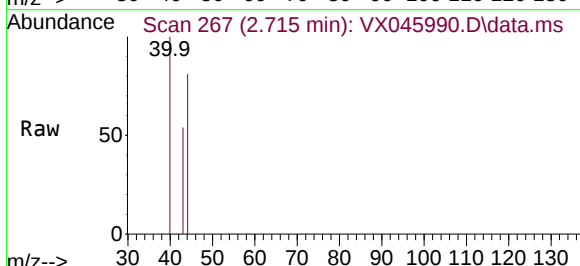
Instrument :
MSVOA_X
ClientSampleId :
IBLK



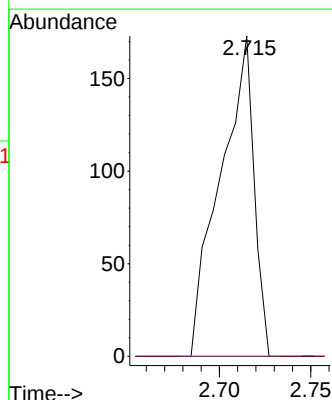
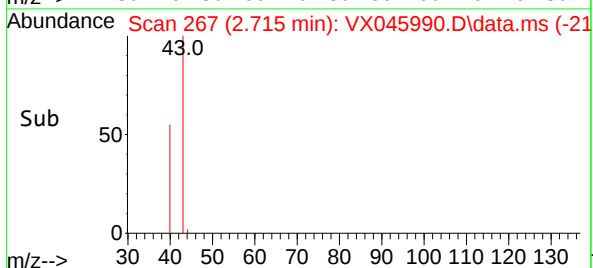
Tgt Ion: 76 Resp: 518
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

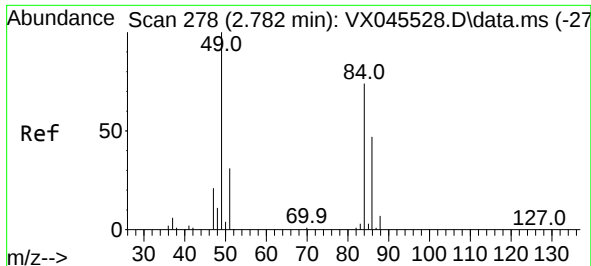


#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09



Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

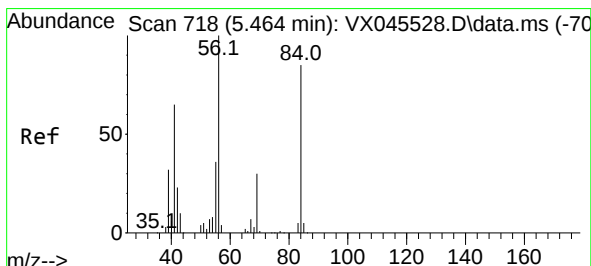
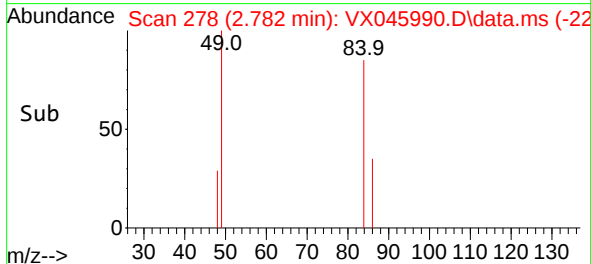
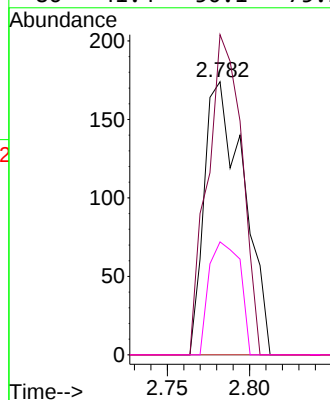
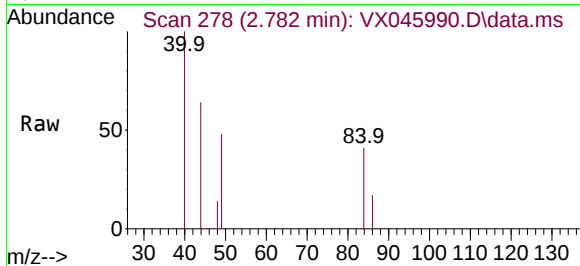




#20
Methylene Chloride
Concen: 0.339 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

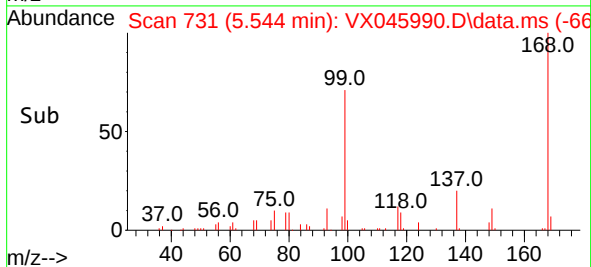
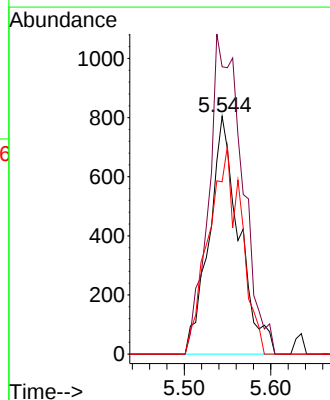
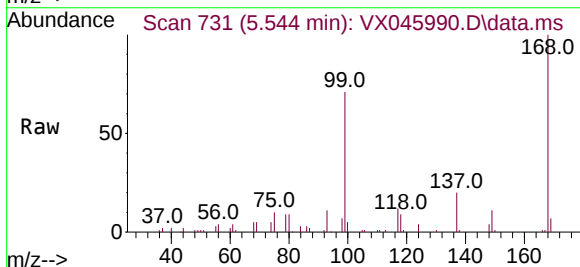
Instrument :
MSVOA_X
ClientSampleId :
IBLK

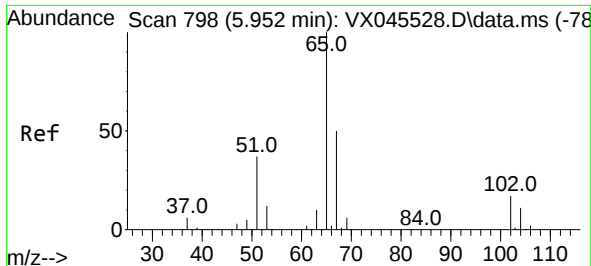
Tgt Ion:	84	Resp:	290
Ion	Ratio	Lower	Upper
84	100		
49	117.2	107.5	161.3
51	0.0	33.0	49.6#
86	41.4	50.1	75.1#



#31
Cyclohexane
Concen: 1.415 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

Tgt Ion:	56	Resp:	1933
Ion	Ratio	Lower	Upper
56	100		
69	120.9	23.6	35.4#
84	72.5	67.7	101.5





#33

1,2-Dichloroethane-d4

Concen: 55.579 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045990.D

Acq: 30 Apr 2025 12:09

Instrument :

MSVOA_X

ClientSampleId :

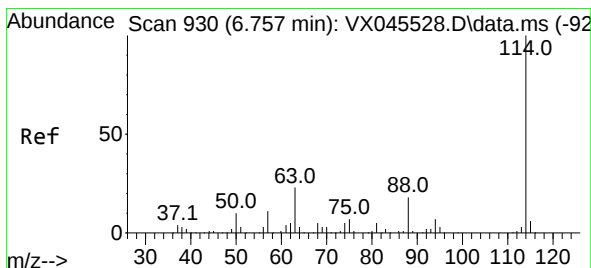
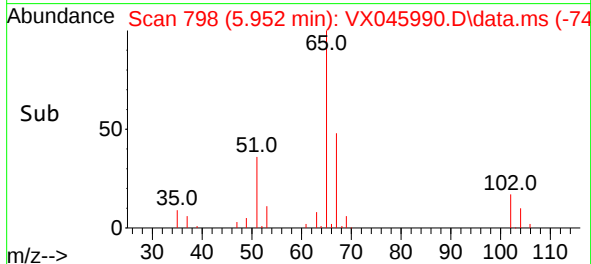
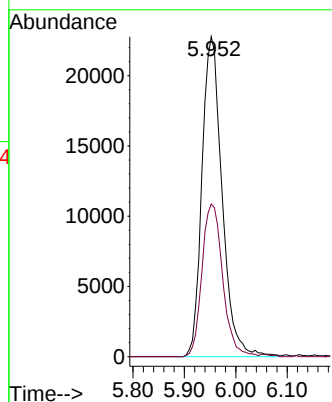
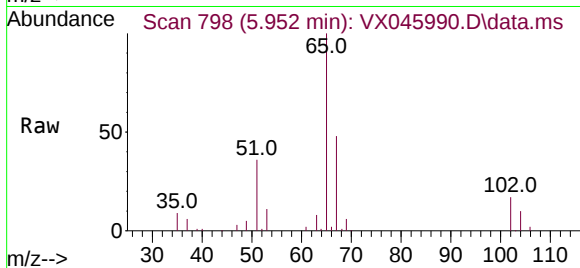
IBLK

Tgt Ion: 65 Resp: 61915

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045990.D

Acq: 30 Apr 2025 12:09

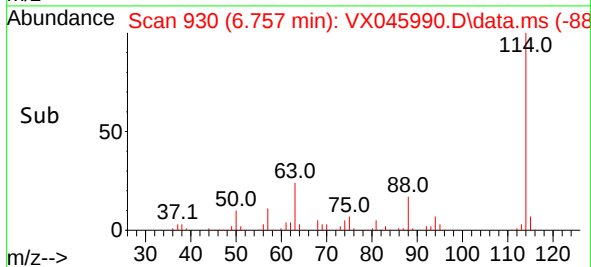
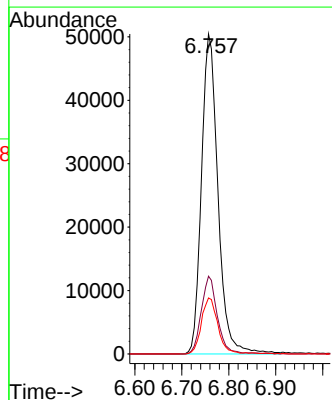
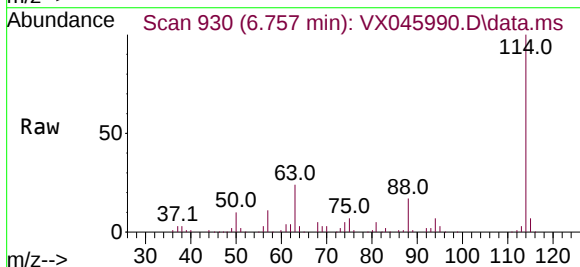
Tgt Ion: 114 Resp: 122964

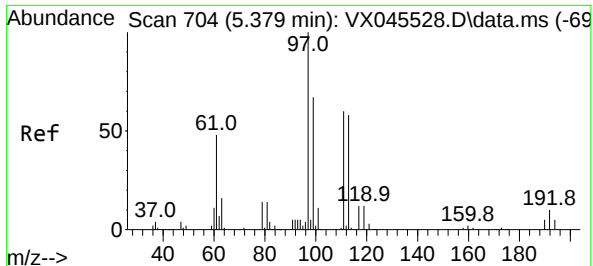
Ion Ratio Lower Upper

114 100

63 24.3 0.0 46.8

88 17.5 0.0 35.4

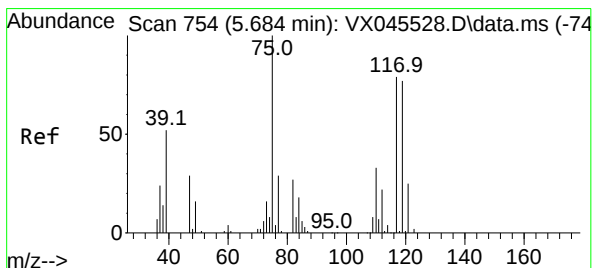
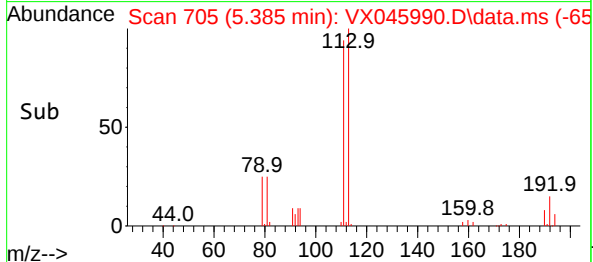
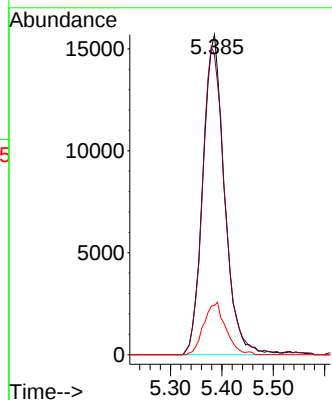
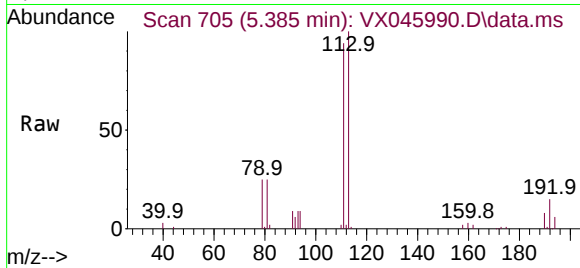




#35
Dibromofluoromethane
Concen: 52.379 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

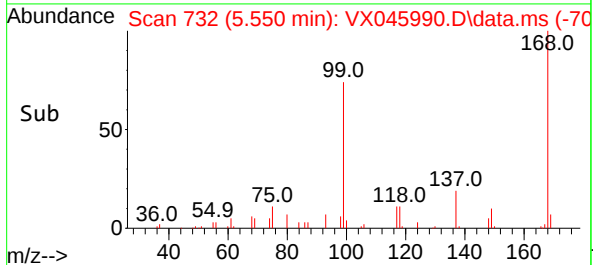
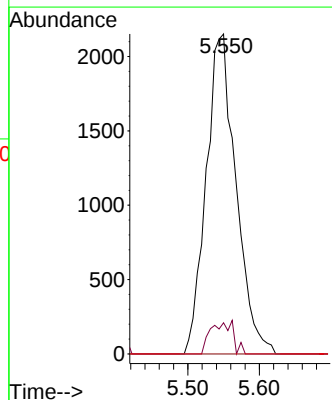
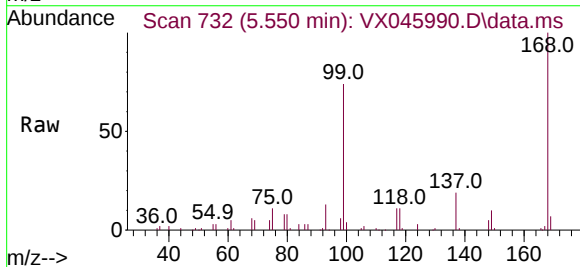
Instrument :
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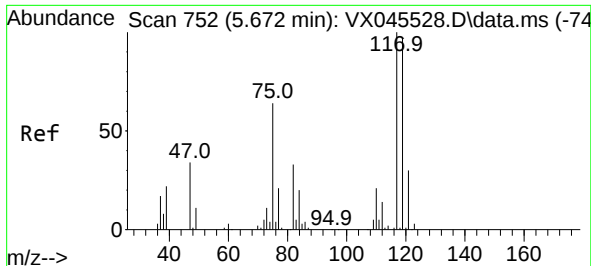
Tgt Ion:113 Resp: 45697
Ion Ratio Lower Upper
113 100
111 99.7 81.8 122.6
192 16.6 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.291 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

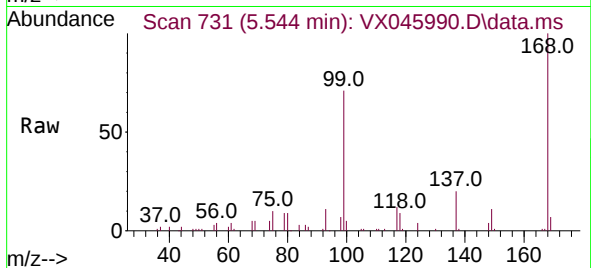
Tgt Ion: 75 Resp: 6233
Ion Ratio Lower Upper
75 100
110 3.8 16.9 50.6#
77 0.0 25.0 37.4#



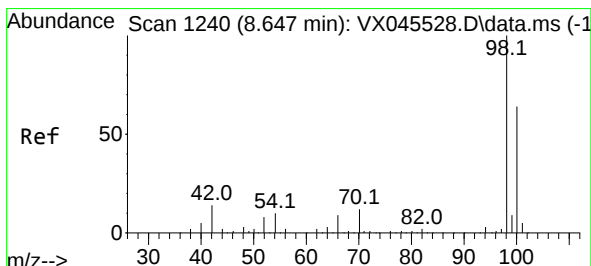
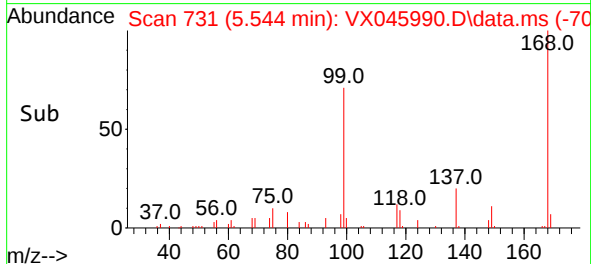
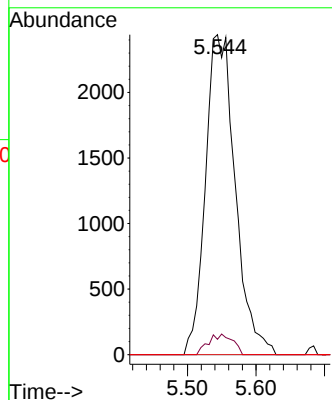


#38
Carbon Tetrachloride
Concen: 5.795 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

Instrument :
MSVOA_X
ClientSampleId :
IBLK

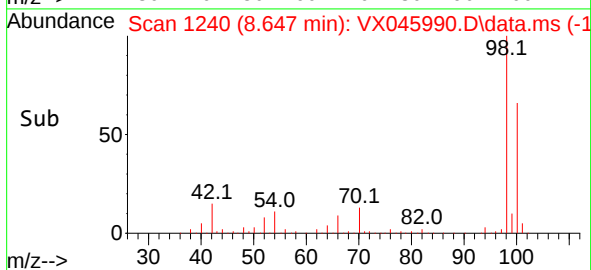
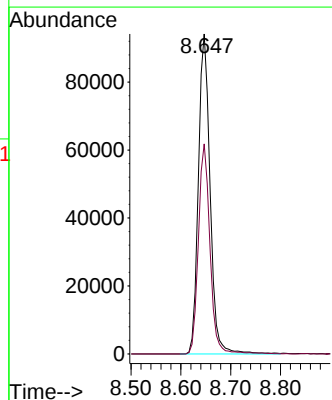
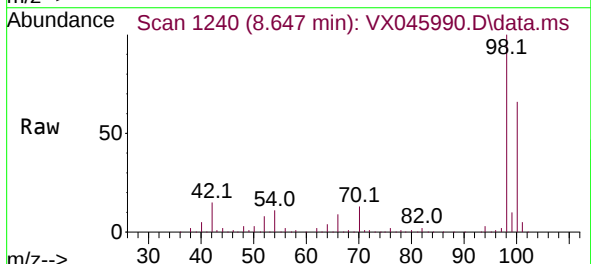


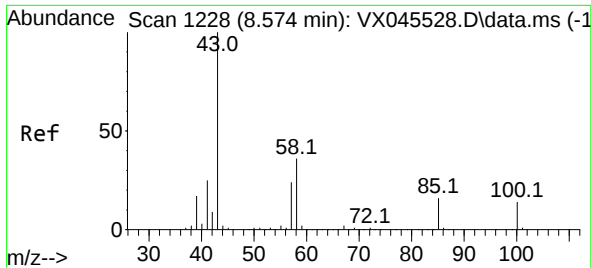
Tgt Ion:117 Resp: 7377
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.459 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

Tgt Ion: 98 Resp: 153654
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

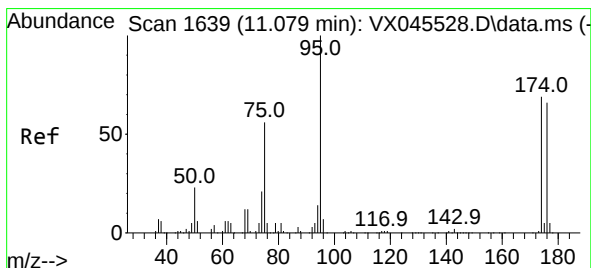
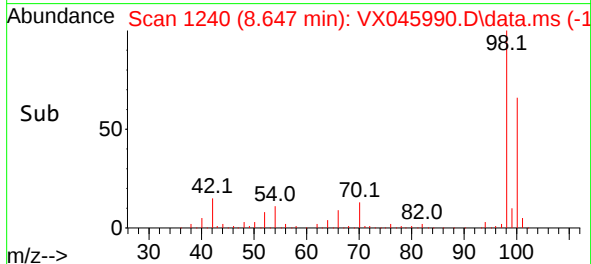
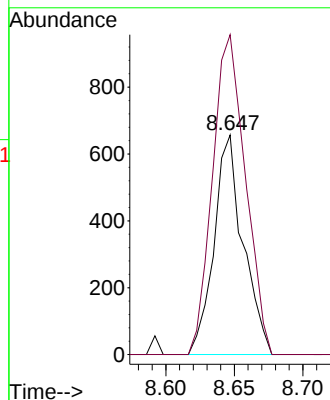
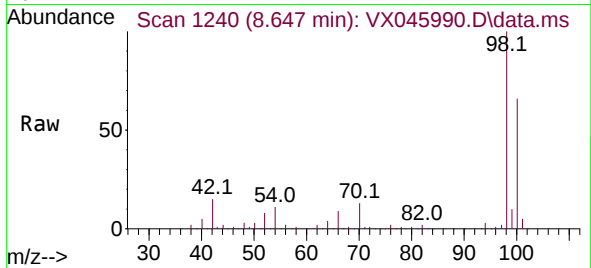




#51
4-Methyl-2-Pentanone
Concen: 0.650 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

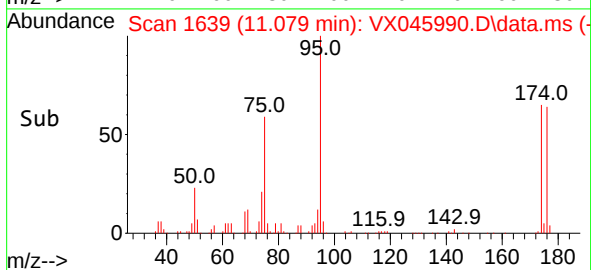
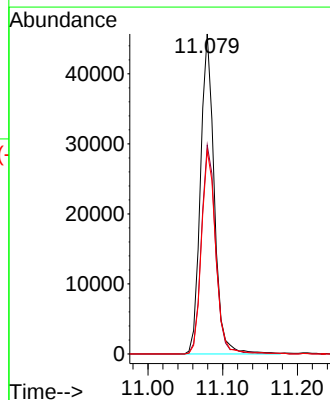
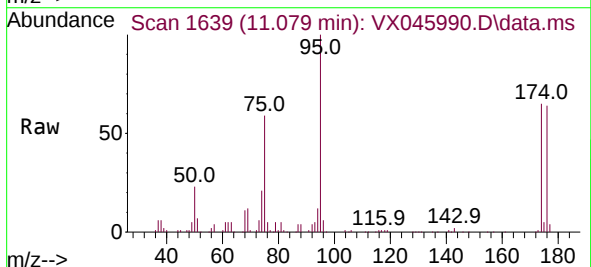
Instrument :
MSVOA_X
ClientSampleId :
IBLK

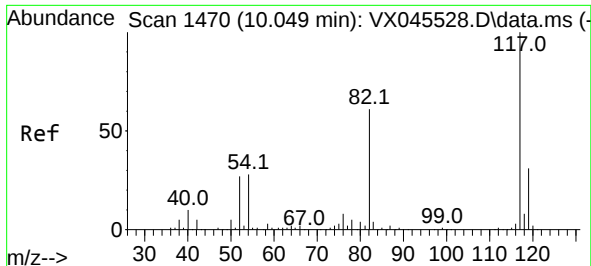
Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
58 164.8 28.5 42.7#



#62
4-Bromofluorobenzene
Concen: 52.553 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

Tgt Ion: 95 Resp: 58291
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.8
176 65.5 0.0 131.4

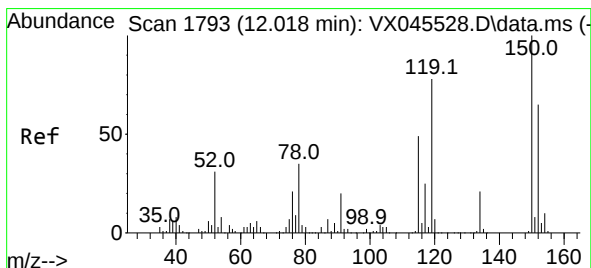
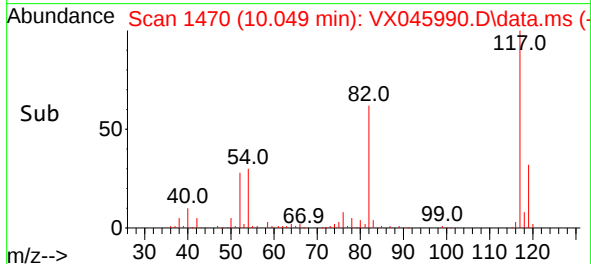
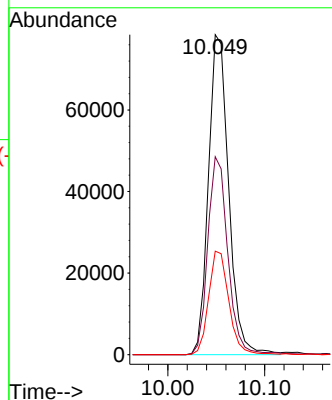
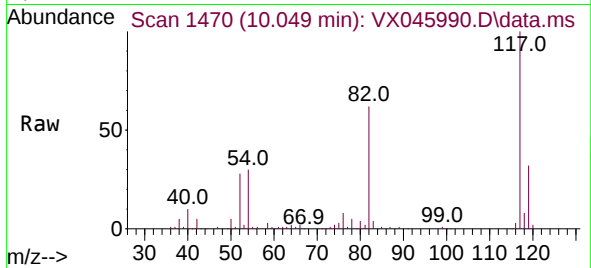




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

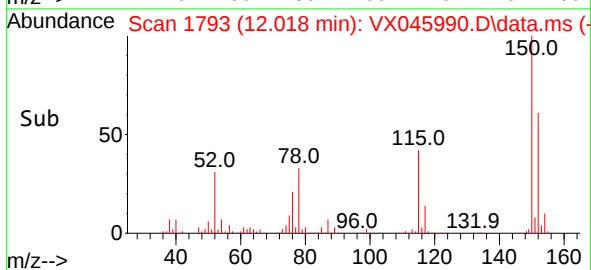
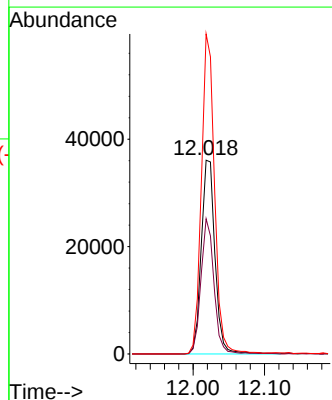
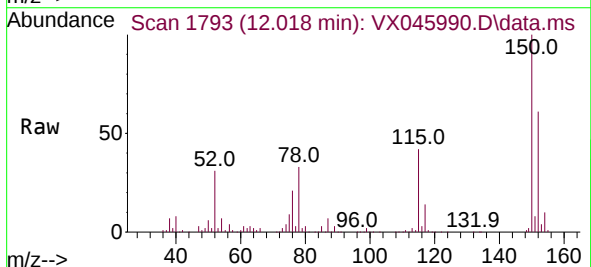
Instrument :
MSVOA_X
ClientSampleId :
IBLK

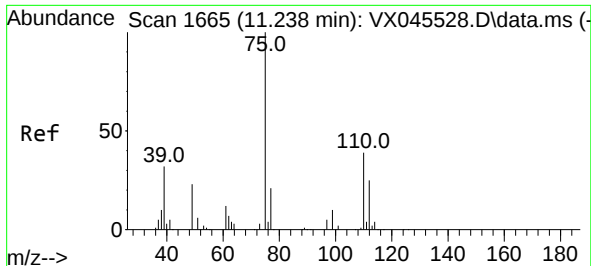
Tgt Ion:117 Resp: 114457
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 32.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

Tgt Ion:152 Resp: 48337
Ion Ratio Lower Upper
152 100
115 66.1 46.9 140.7
150 157.3 0.0 349.4

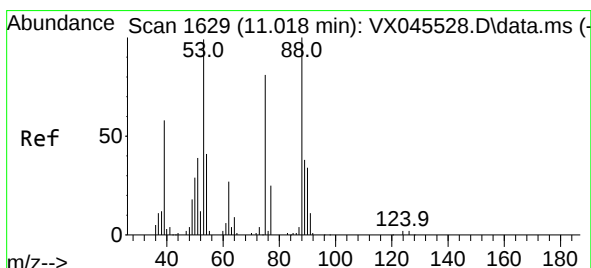
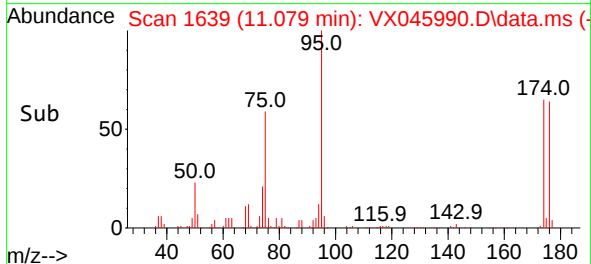
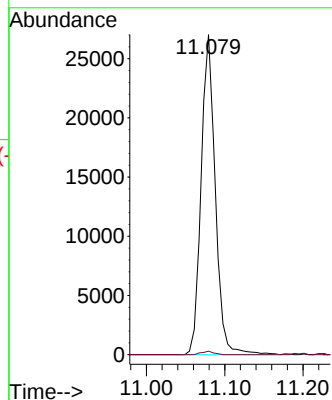
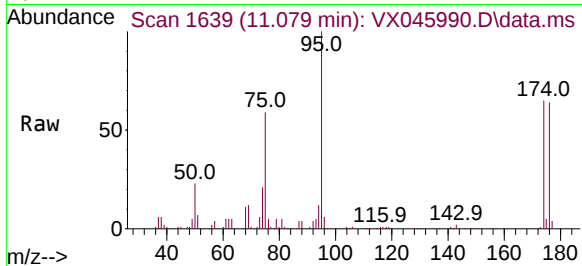




#76
1,2,3-Trichloropropane
Concen: 28.838 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

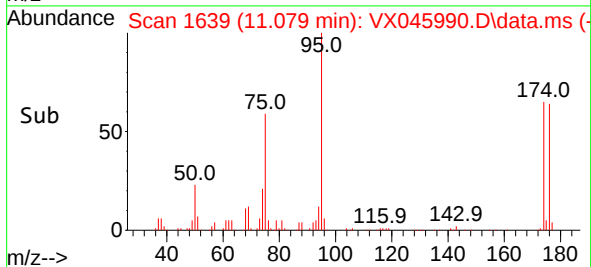
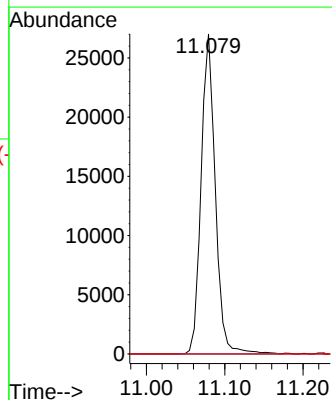
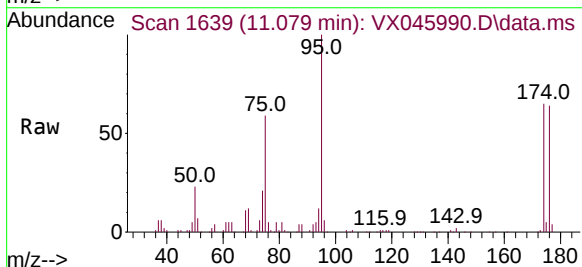
Instrument :
MSVOA_X
ClientSampleId :
IBLK

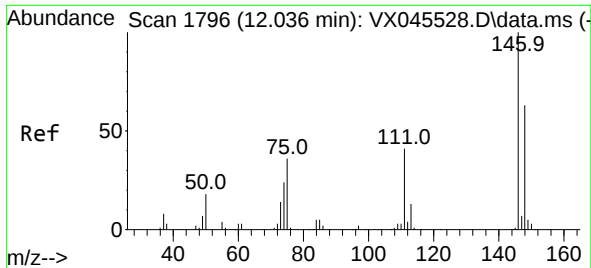
Tgt Ion: 75 Resp: 34001
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.871 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

Tgt Ion: 75 Resp: 34001
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

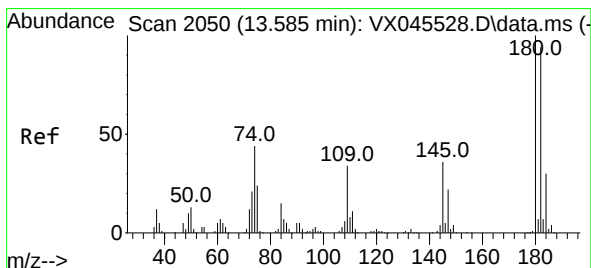
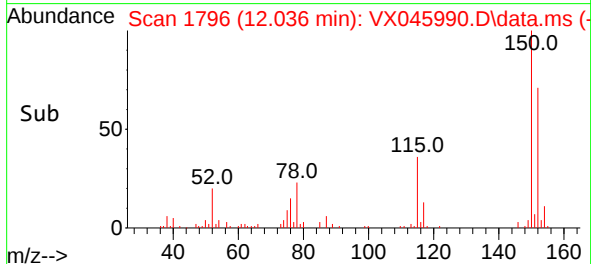
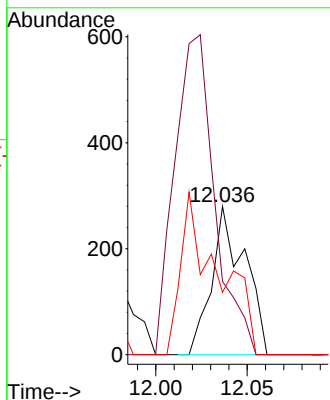
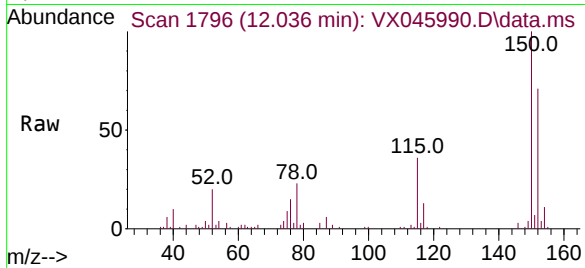




#88
 1,4-Dichlorobenzene
 Concen: 0.213 ug/l
 RT: 12.036 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045990.D
 Acq: 30 Apr 2025 12:09

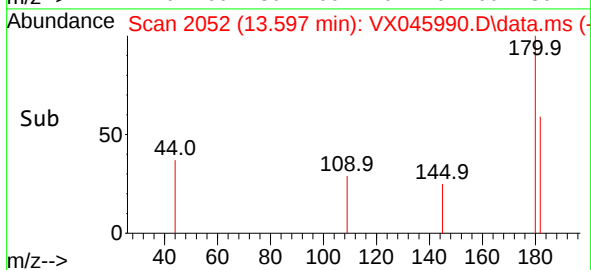
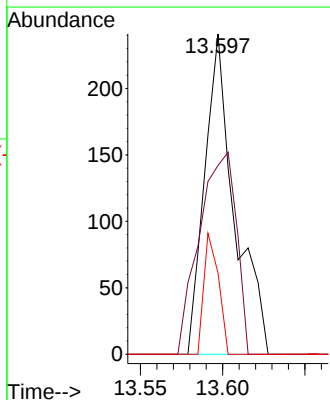
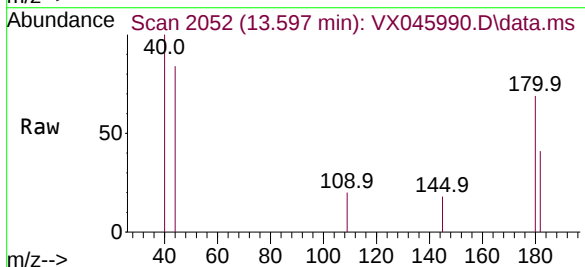
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

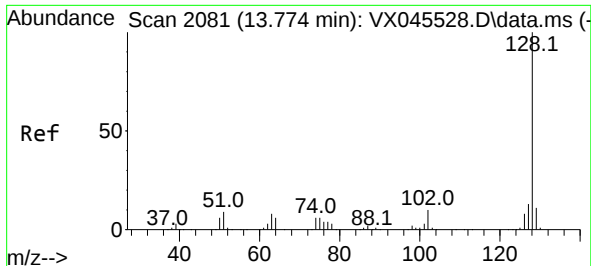
Tgt Ion:146 Resp: 351
 Ion Ratio Lower Upper
 146 100
 111 261.8 20.9 62.8#
 148 124.2 31.5 94.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.336 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX045990.D
 Acq: 30 Apr 2025 12:09

Tgt Ion:180 Resp: 303
 Ion Ratio Lower Upper
 180 100
 182 78.2 47.9 143.6
 145 18.5 17.9 53.8

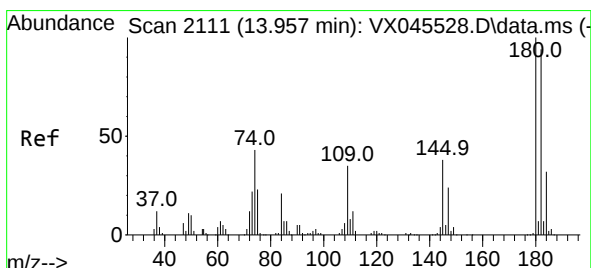
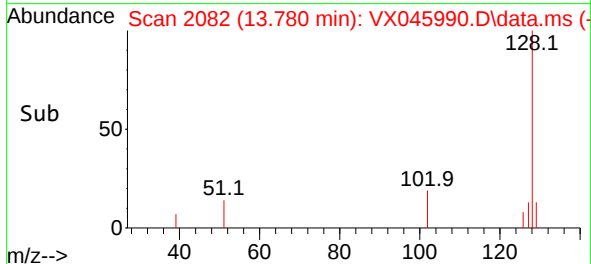
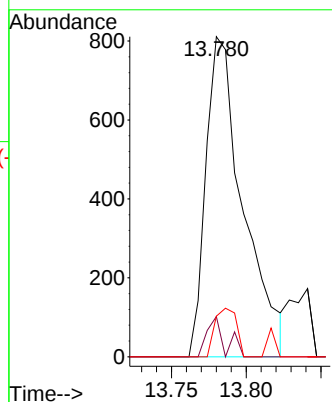
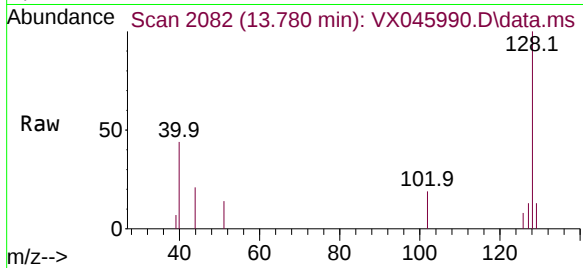




#95
Naphthalene
Concen: 0.418 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 1403
Ion Ratio Lower Upper
128 100
127 6.1 10.3 15.5#
129 8.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.306 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045990.D
Acq: 30 Apr 2025 12:09

Tgt Ion:180 Resp: 289
Ion Ratio Lower Upper
180 100
182 97.9 47.3 141.8
145 26.3 18.2 54.6

