

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040925\
 Data File : VX045683.D
 Acq On : 09 Apr 2025 18:02
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 10 01:37:20 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)

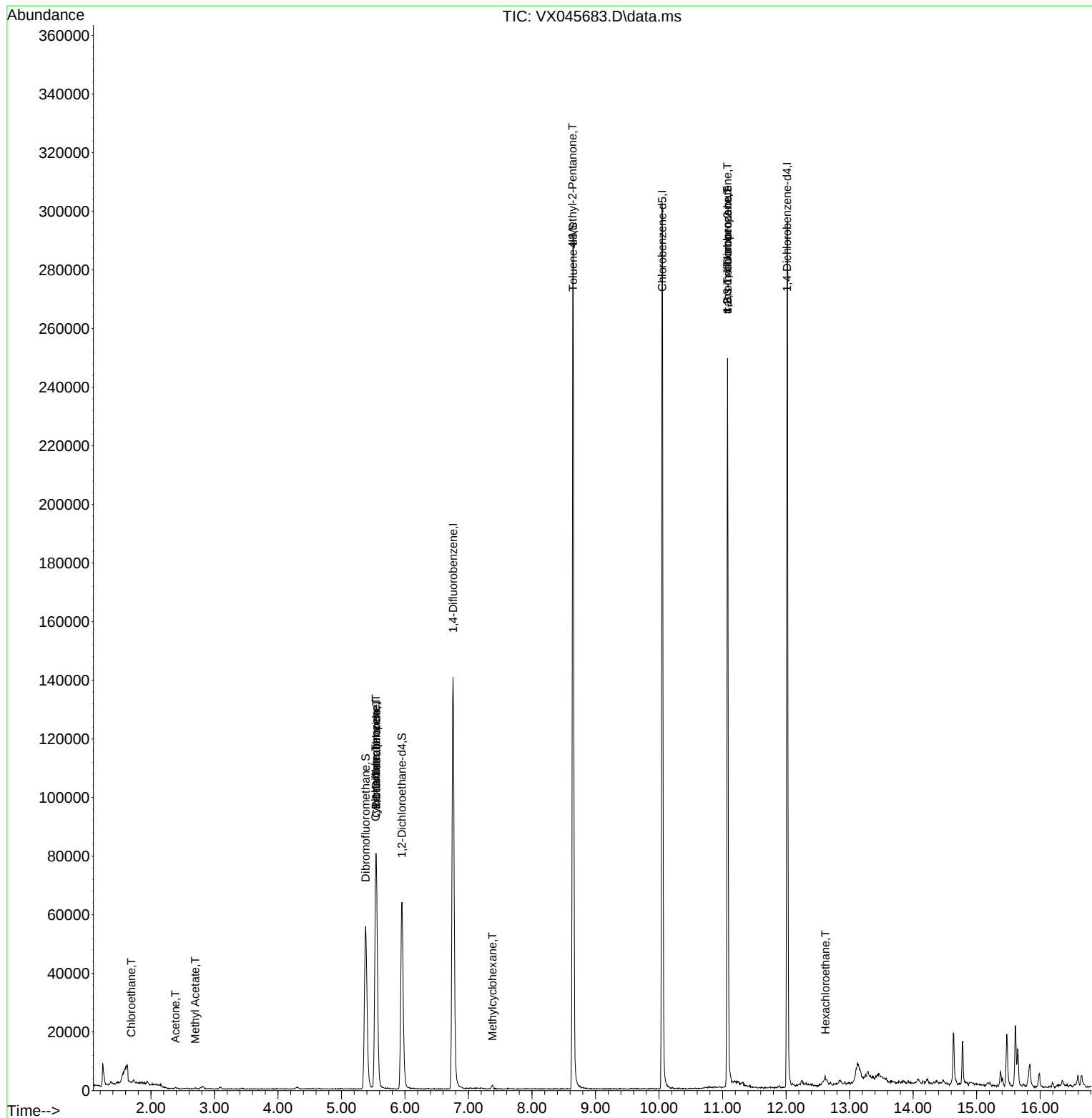
Internal Standards						
1) Pentafluorobenzene	5.544	168	69387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134761	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65546	51.655	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.320%	
35) Dibromofluoromethane	5.379	113	47910	50.108	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.220%	
50) Toluene-d8	8.647	98	169563	50.809	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.620%	
62) 4-Bromofluorobenzene	11.079	95	65646	54.003	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.000%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	792	1.530	ug/l	98
16) Acetone	2.386	43	630	1.209	ug/l #	84
18) Methyl Acetate	2.697	43	562	0.468	ug/l #	54
31) Cyclohexane	5.538	56	2188	1.406	ug/l #	33
36) 1,1-Dichloropropene	5.544	75	7020	5.438	ug/l #	51
38) Carbon Tetrachloride	5.550	117	8135	5.831	ug/l #	16
39) Methylcyclohexane	7.379	83	483	0.305	ug/l #	81
51) 4-Methyl-2-Pentanone	8.641	43	1056	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	38544	29.554	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38544	100.303	ug/l #	1
90) Hexachloroethane	12.622	117	135	0.221	ug/l #	19

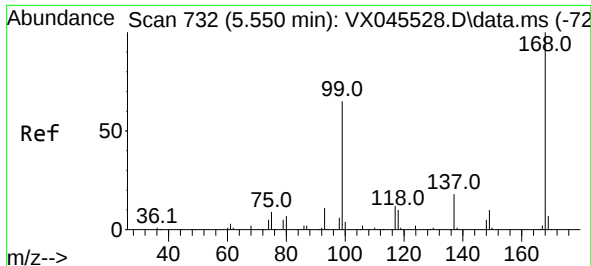
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
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Response via : Initial Calibration

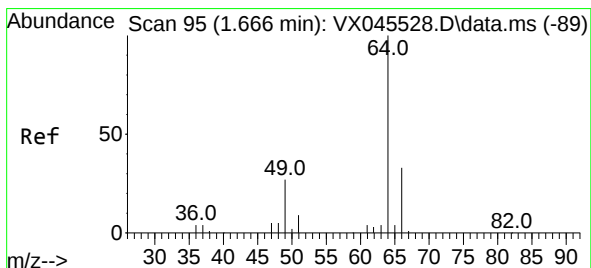
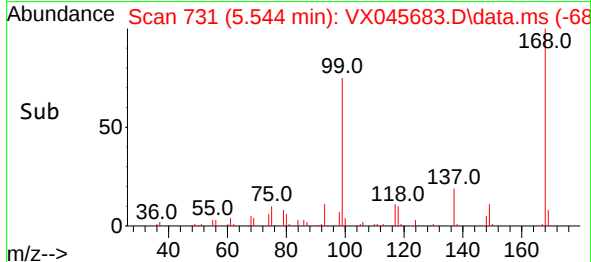
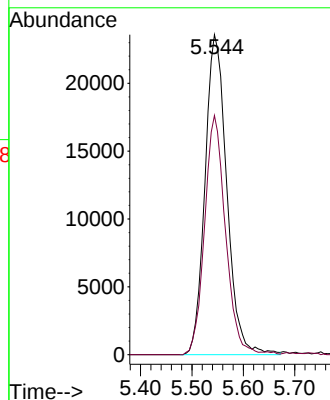
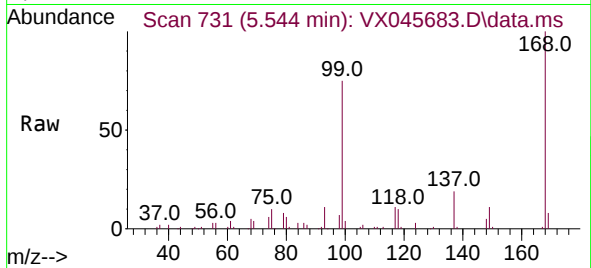




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

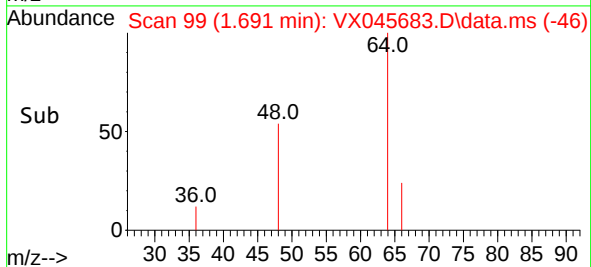
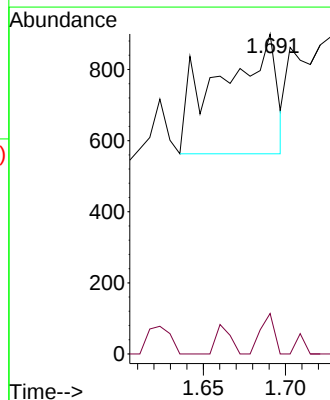
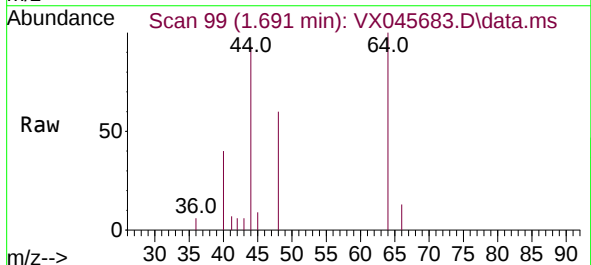
Instrument :
MSVOA_X
ClientSampleId :
IBLK

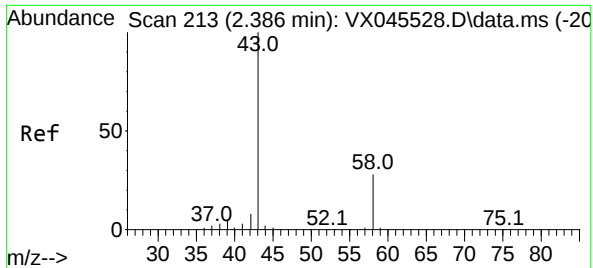
Tgt Ion:168 Resp: 69387
Ion Ratio Lower Upper
168 100
99 74.8 52.3 78.5



#6
Chloroethane
Concen: 1.530 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.024 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

Tgt Ion: 64 Resp: 792
Ion Ratio Lower Upper
64 100
66 33.8 26.3 39.5

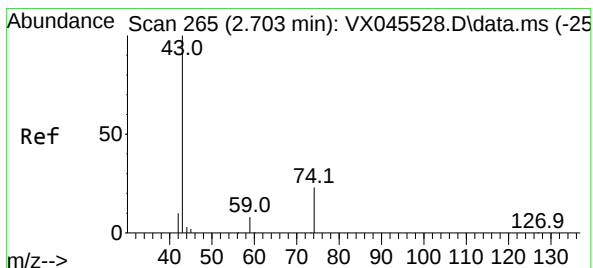
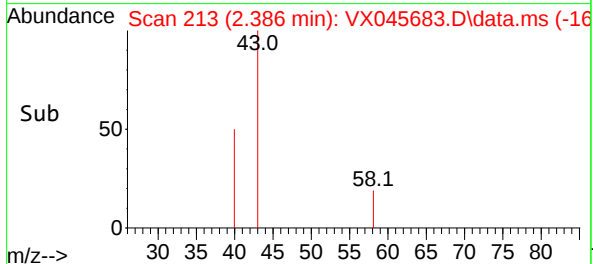
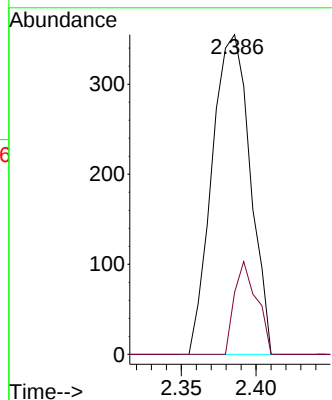
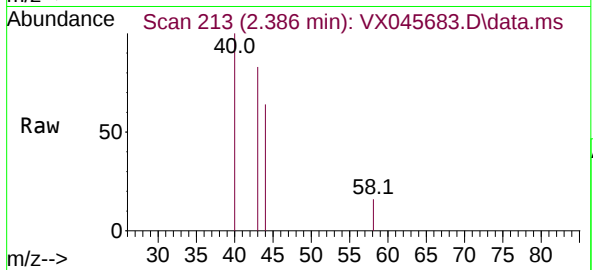




#16
Acetone
Concen: 1.209 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

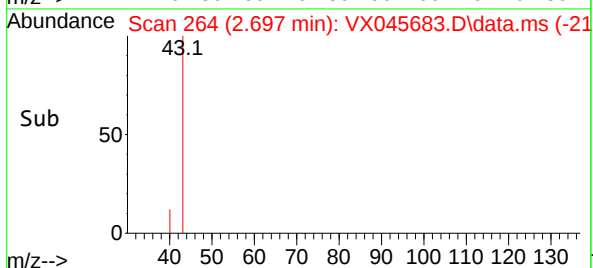
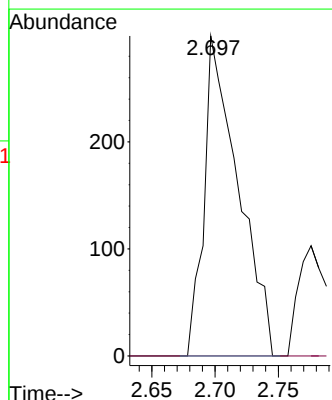
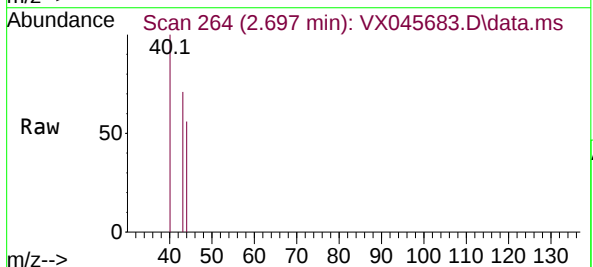
Instrument :
MSVOA_X
ClientSampleId :
IBLK

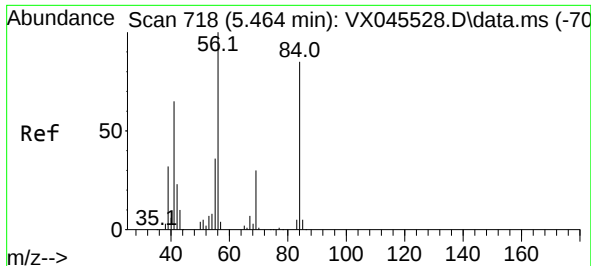
Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
58 19.4 22.3 33.5#



#18
Methyl Acetate
Concen: 0.468 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

Tgt Ion: 43 Resp: 562
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

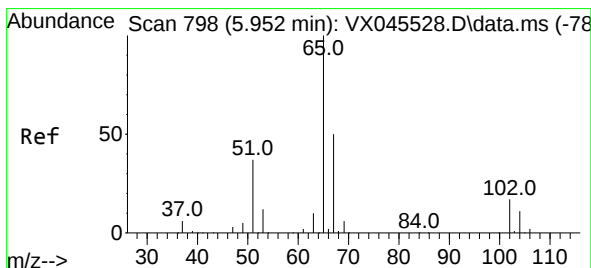
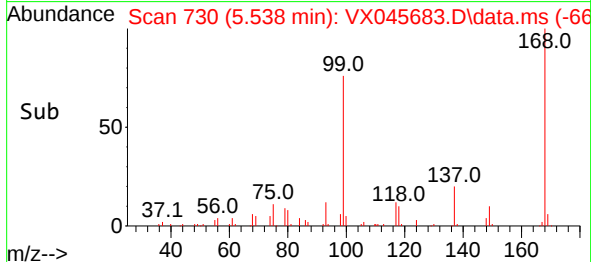
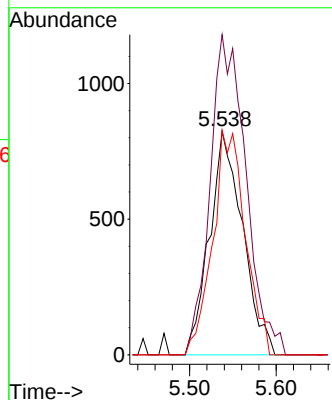
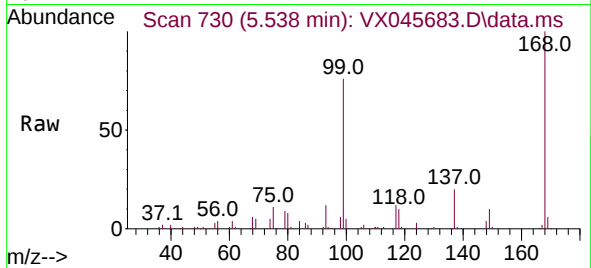




#31
Cyclohexane
Concen: 1.406 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

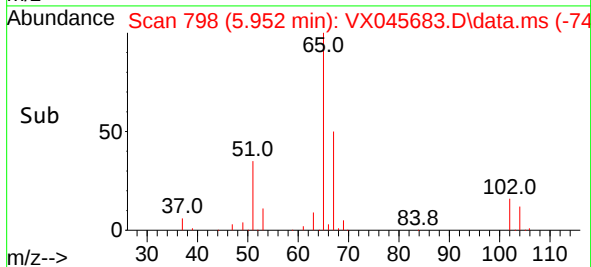
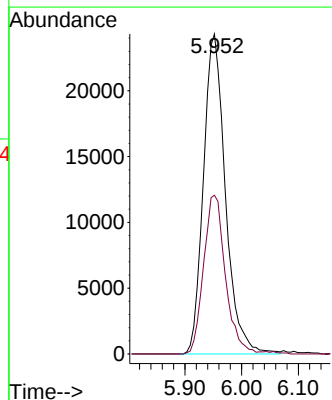
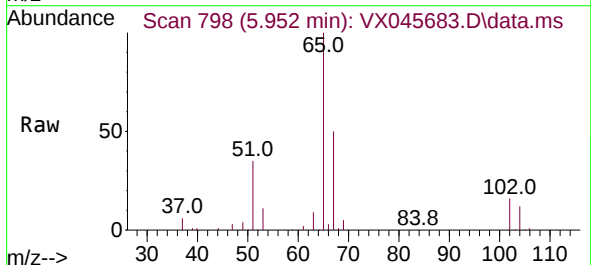
Instrument :
MSVOA_X
ClientSampleId :
IBLK

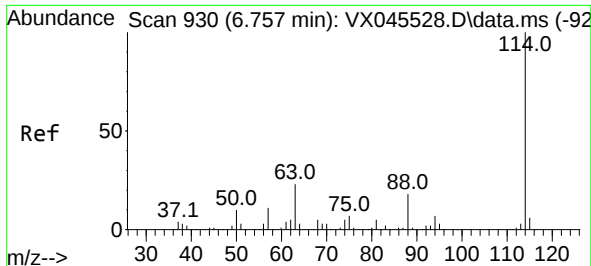
Tgt Ion: 56 Resp: 2188
Ion Ratio Lower Upper
56 100
69 143.2 23.6 35.4#
84 100.4 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 51.655 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

Tgt Ion: 65 Resp: 65546
Ion Ratio Lower Upper
65 100
67 49.0 0.0 99.0

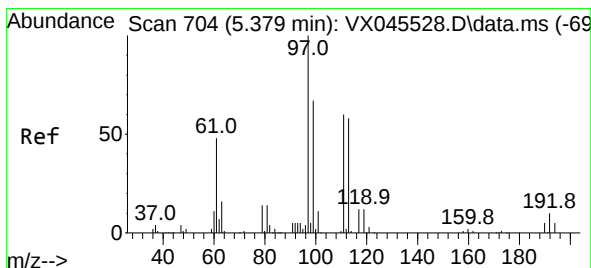
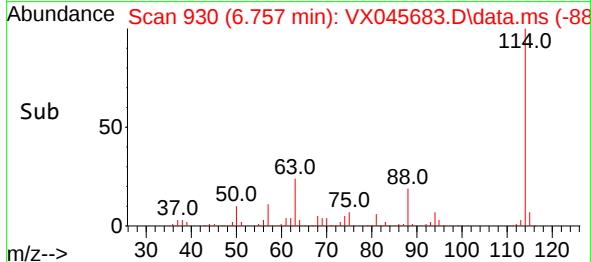
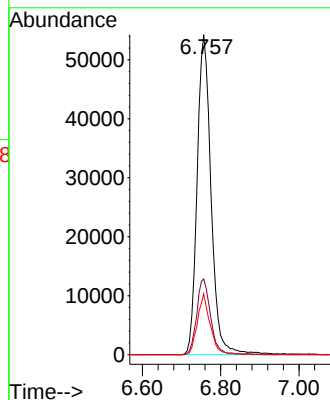
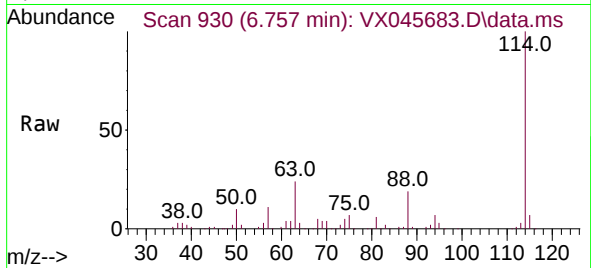




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

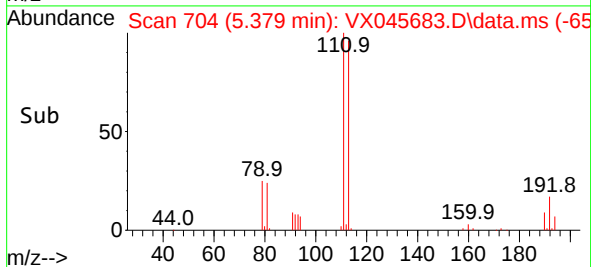
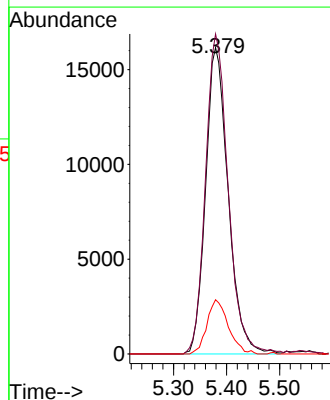
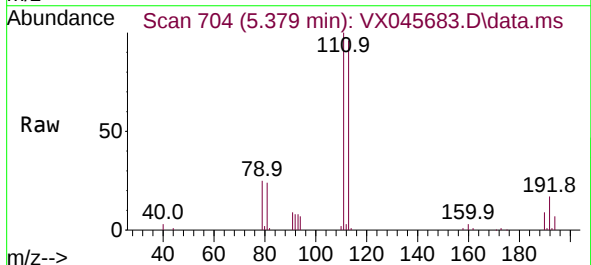
Instrument :
MSVOA_X
ClientSampleId :
IBLK

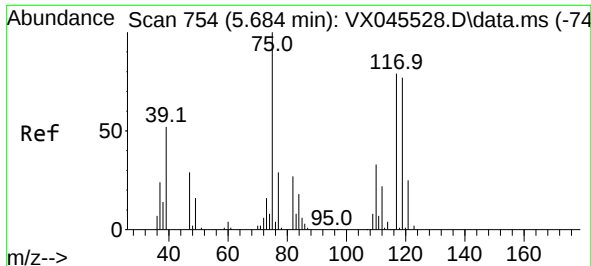
Tgt Ion:114 Resp: 134761
Ion Ratio Lower Upper
114 100
63 23.7 0.0 46.8
88 19.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.108 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

Tgt Ion:113 Resp: 47910
Ion Ratio Lower Upper
113 100
111 104.8 81.8 122.6
192 16.8 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.438 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045683.D

Acq: 09 Apr 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

IBLK

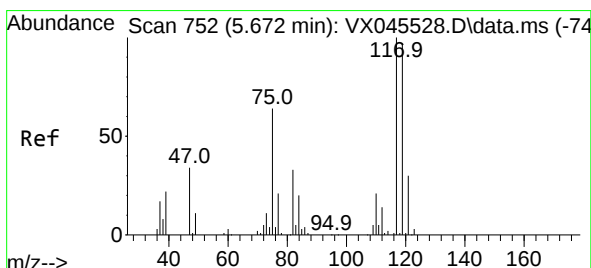
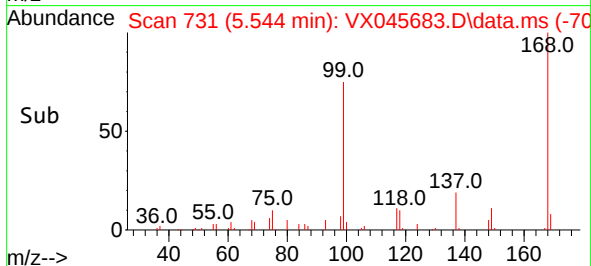
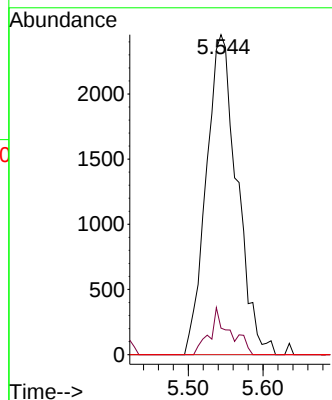
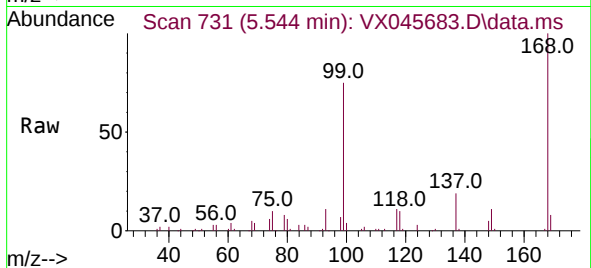
Tgt Ion: 75 Resp: 7020

Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.831 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045683.D

Acq: 09 Apr 2025 18:02

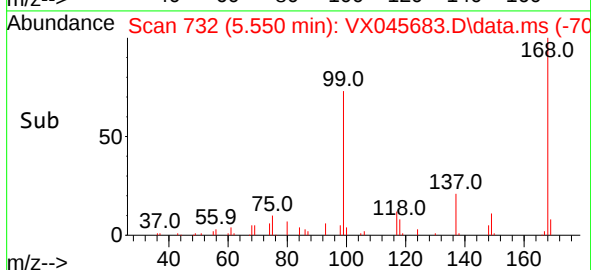
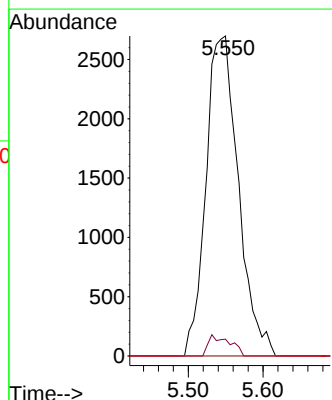
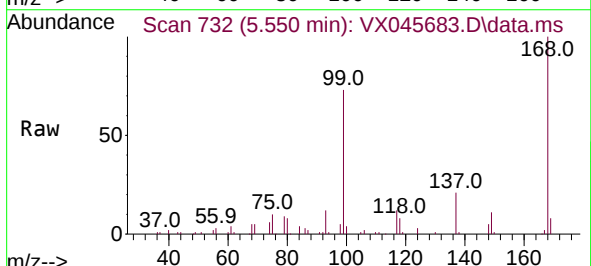
Tgt Ion: 117 Resp: 8135

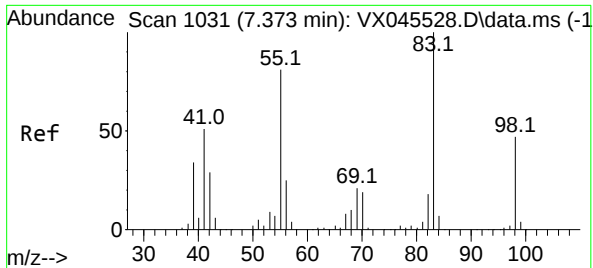
Ion Ratio Lower Upper

117 100

119 5.3 76.9 115.3#

121 0.0 24.2 36.2#

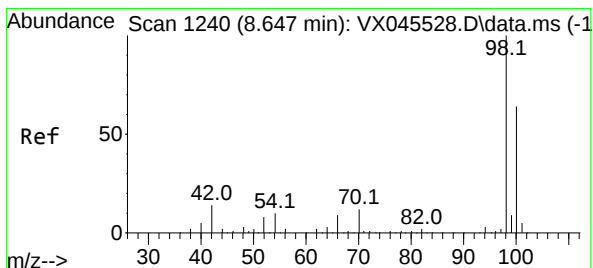
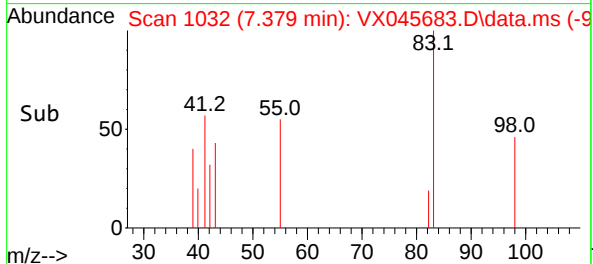
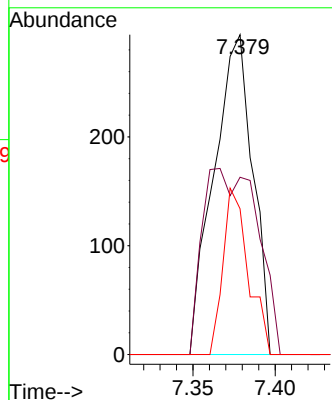
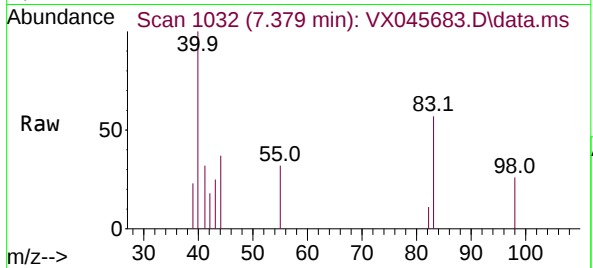




#39
Methylcyclohexane
Concen: 0.305 ug/l
RT: 7.379 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

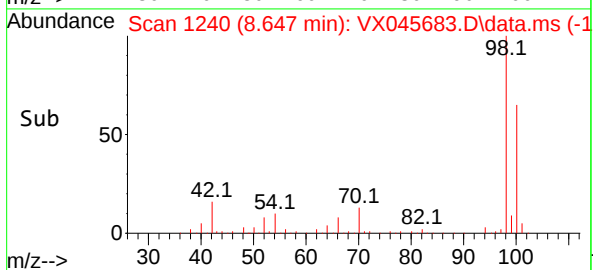
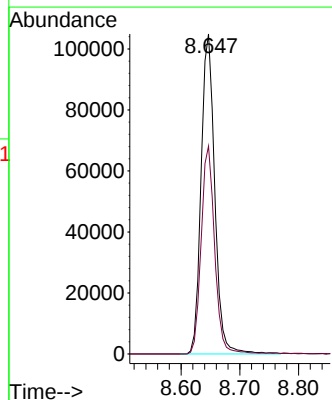
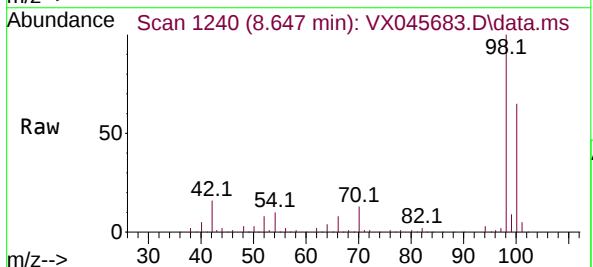
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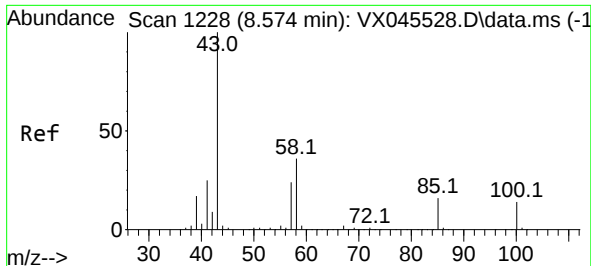
Tgt Ion: 83 Resp: 483
Ion Ratio Lower Upper
83 100
55 55.4 64.9 97.3#
98 45.6 37.4 56.0



#50
Toluene-d8
Concen: 50.809 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

Tgt Ion: 98 Resp: 169563
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4

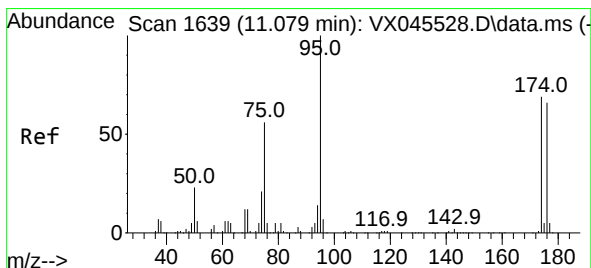
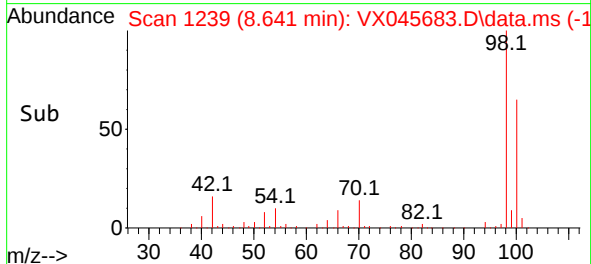
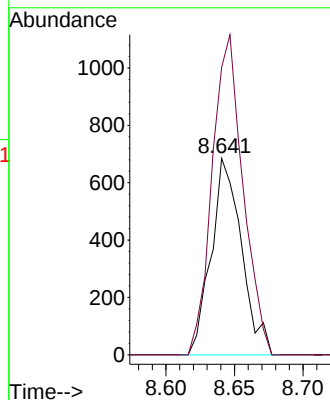
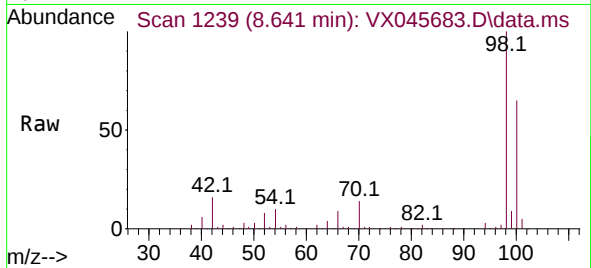




#51
4-Methyl-2-Pentanone
Concen: 0.646 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

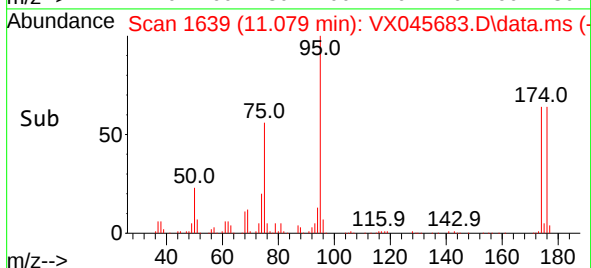
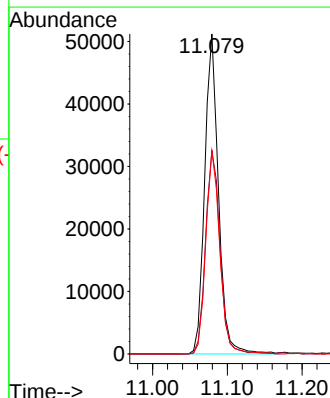
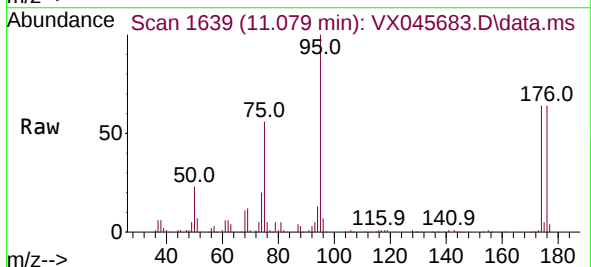
Instrument :
MSVOA_X
ClientSampleId :
IBLK

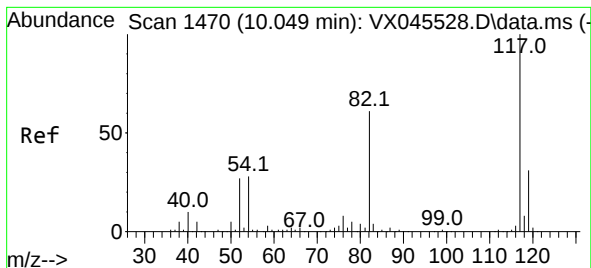
Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 165.3 28.5 42.7#



#62
4-Bromofluorobenzene
Concen: 54.003 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

Tgt Ion: 95 Resp: 65646
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.8
176 64.6 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: VX045683.D

Acq: 09 Apr 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

IBLK

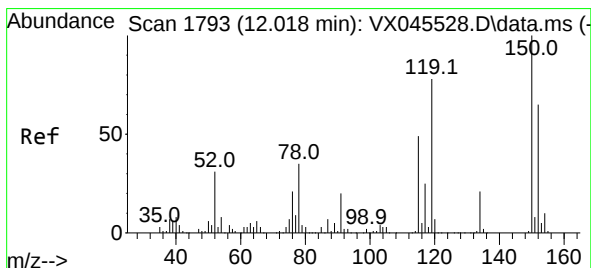
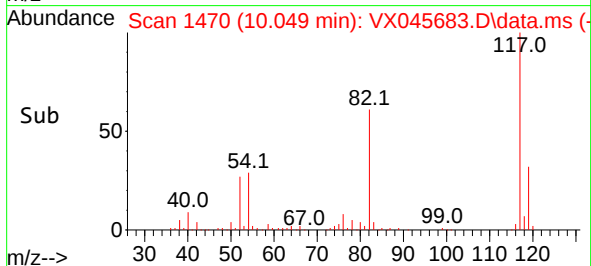
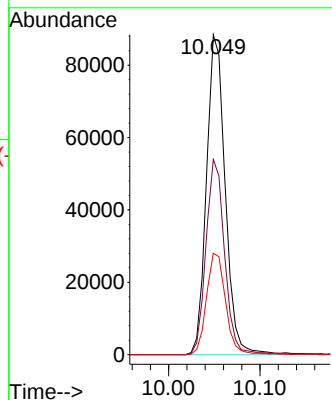
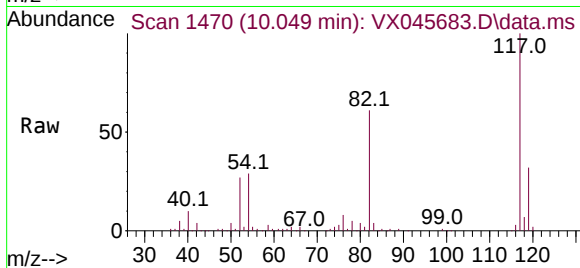
Tgt Ion:117 Resp: 125323

Ion Ratio Lower Upper

117 100

82 61.0 49.2 73.8

119 31.7 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: VX045683.D

Acq: 09 Apr 2025 18:02

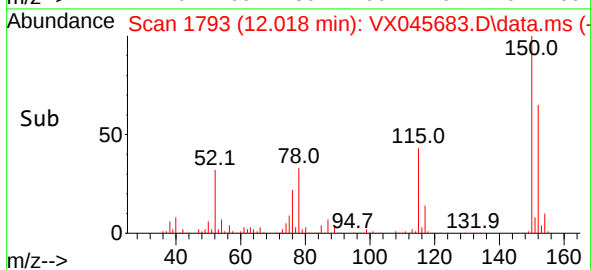
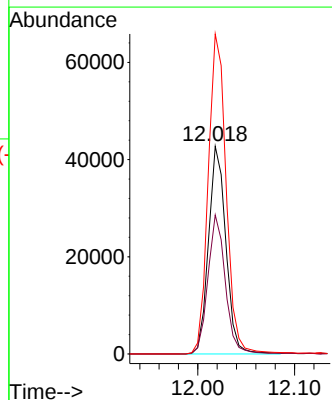
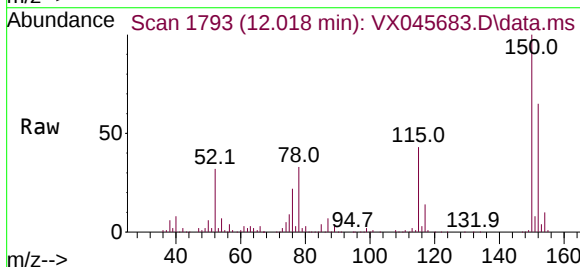
Tgt Ion:152 Resp: 53467

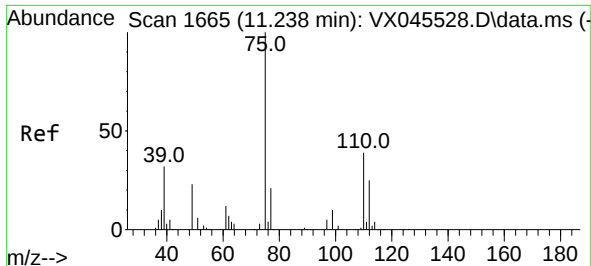
Ion Ratio Lower Upper

152 100

115 67.6 46.9 140.7

150 160.1 0.0 349.4

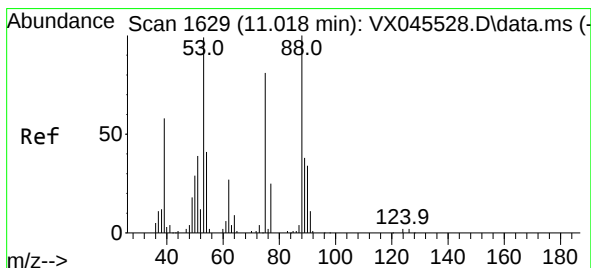
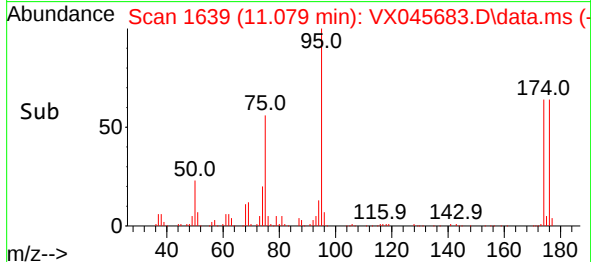
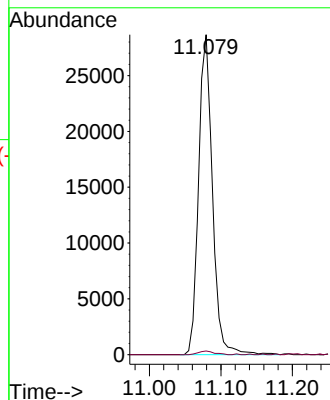
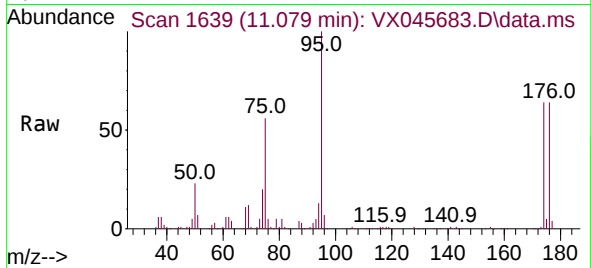




#76
1,2,3-Trichloropropane
Concen: 29.554 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

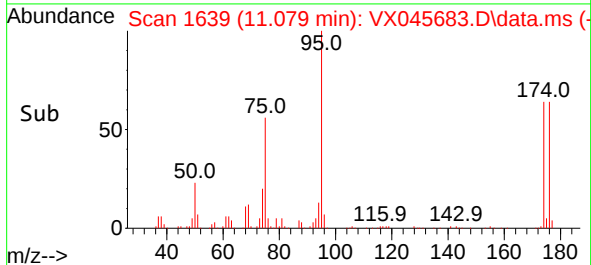
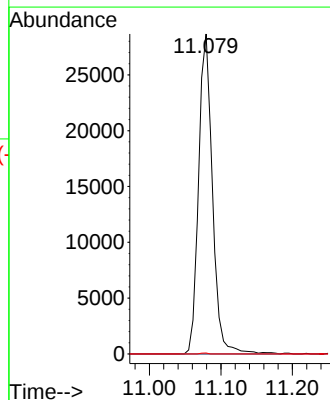
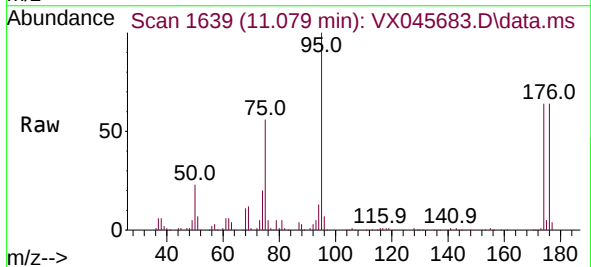
Instrument :
MSVOA_X
ClientSampleId :
IBLK

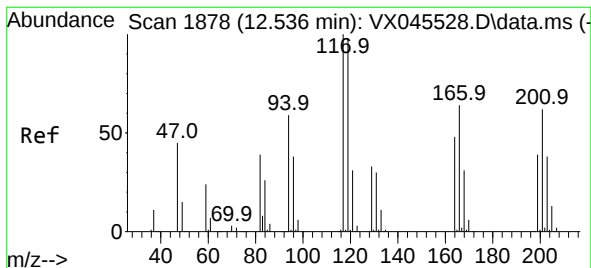
Tgt Ion: 75 Resp: 38544
Ion Ratio Lower Upper
75 100
77 1.3 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.303 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045683.D
Acq: 09 Apr 2025 18:02

Tgt Ion: 75 Resp: 38544
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#





#90

Hexachloroethane

Concen: 0.221 ug/l

RT: 12.622 min Scan# 11

Delta R.T. 0.085 min

Lab File: VX045683.D

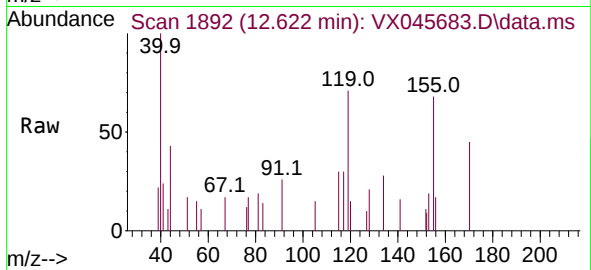
Acq: 09 Apr 2025 18:02

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:117 Resp: 135

Ion Ratio Lower Upper

117 100

201 0.0 31.2 93.6#

