

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX045997.D
 Acq On : 30 Apr 2025 14:53
 Operator : JC/MD
 Sample : Q1905-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-G

Quant Time: May 01 03:37:32 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)

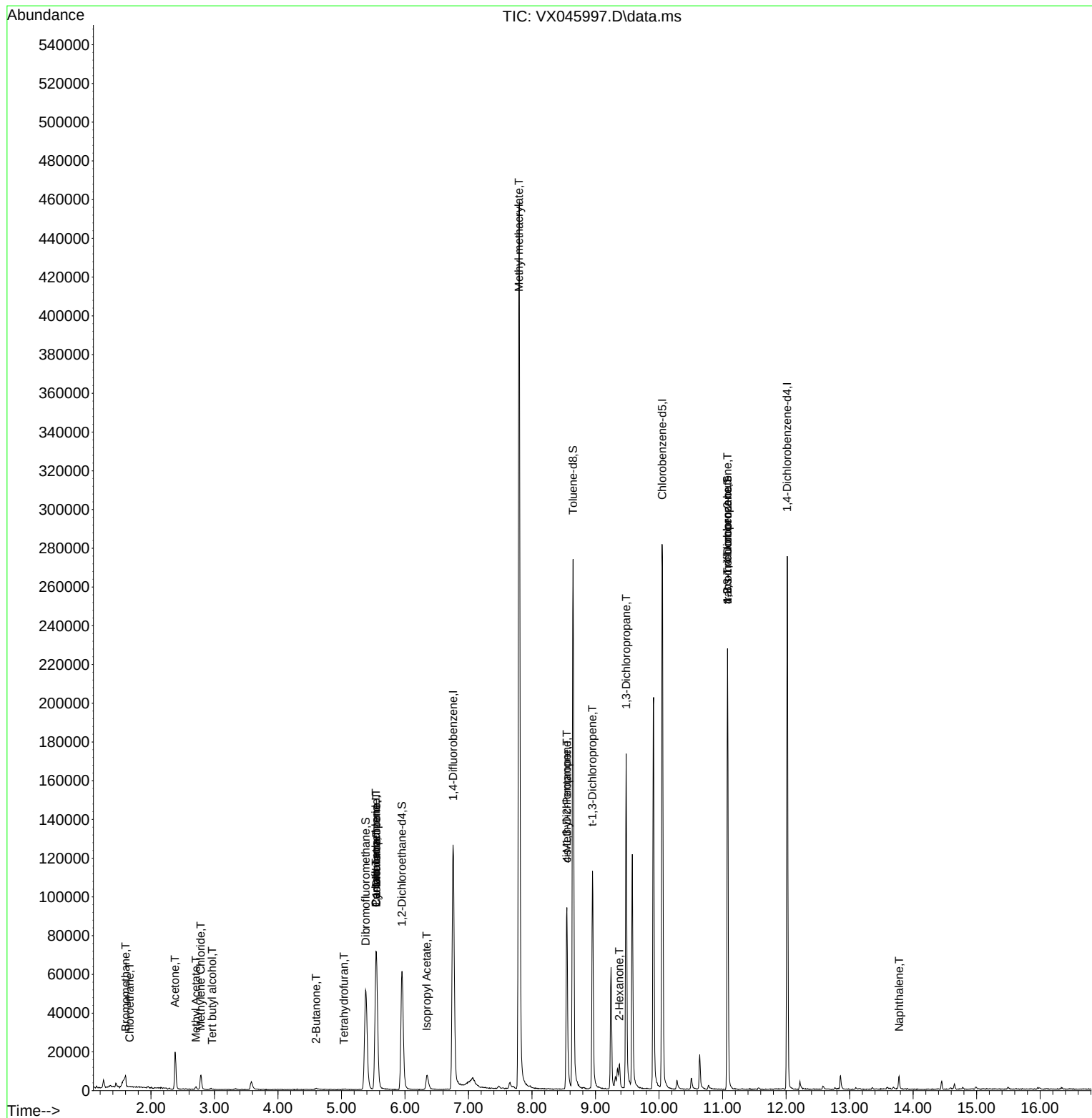
Internal Standards						
1) Pentafluorobenzene	5.544	168	61729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122189	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62801	55.632	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.260%
35) Dibromofluoromethane	5.379	113	45023	51.934	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.860%
50) Toluene-d8	8.647	98	156888	51.848	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.700%
62) 4-Bromofluorobenzene	11.079	95	57618	52.276	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.560%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	95	0.231	ug/l #	3
6) Chloroethane	1.666	64	416	0.903	ug/l #	42
11) Tert butyl alcohol	2.965	59	318	2.096	ug/l #	72
16) Acetone	2.380	43	20373	43.951	ug/l	97
18) Methyl Acetate	2.709	43	1834	1.718	ug/l	91
20) Methylene Chloride	2.782	84	3440	3.964	ug/l	91
25) 2-Butanone	4.599	43	1588	2.340	ug/l #	88
29) Tetrahydrofuran	5.038	42	258	0.586	ug/l #	35
31) Cyclohexane	5.550	56	1745	1.260	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	6308	5.389	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7529	5.952	ug/l #	14
43) Isopropyl Acetate	6.342	43	11224	5.020	ug/l	99
48) Methyl methacrylate	7.793	41	46061	39.902	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	37708	25.442	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	172	2.414	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14466	11.258	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1372	0.914	ug/l #	42
59) 2-Hexanone	9.372	43	11751	10.707	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	33189	27.219	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33189	92.378	ug/l #	1
95) Naphthalene	13.780	128	4605	1.328	ug/l	98

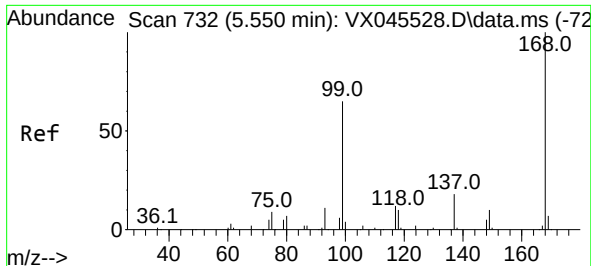
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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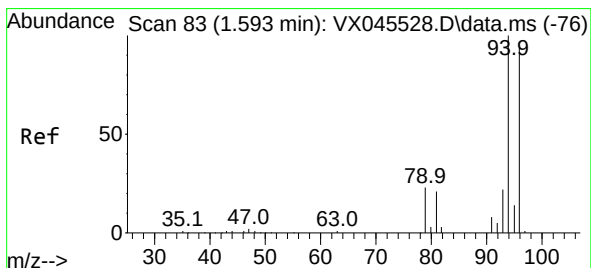
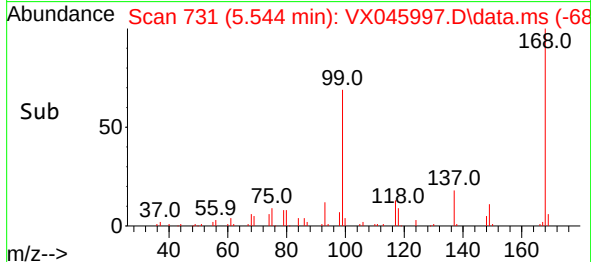
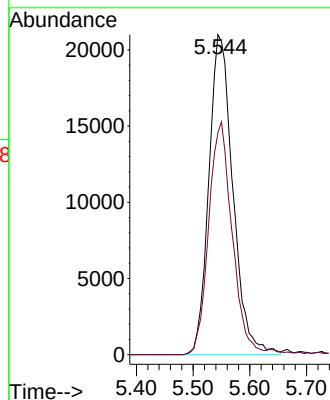
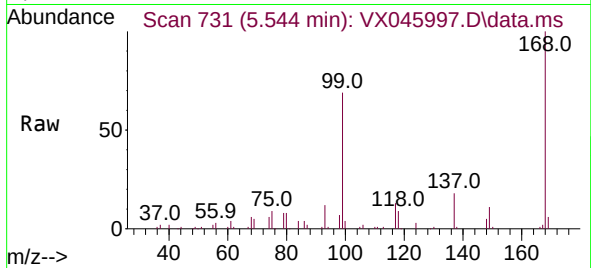




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

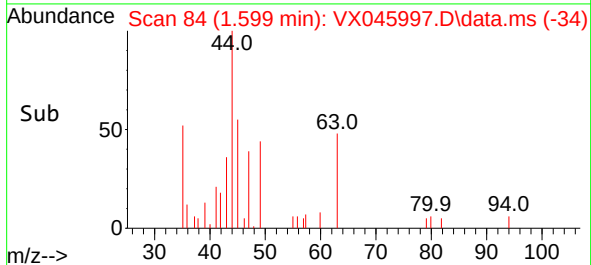
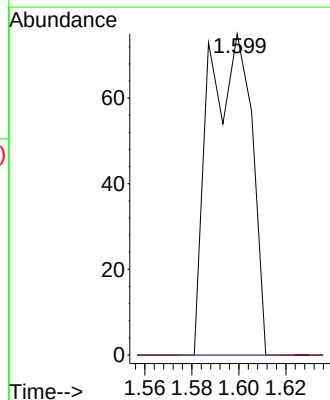
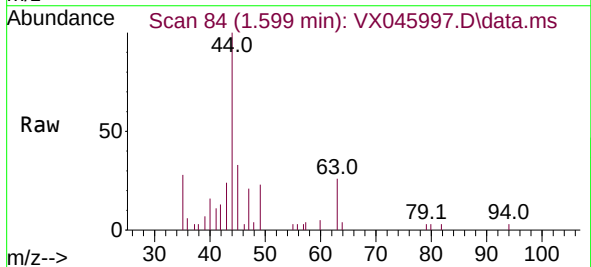
Instrument :
MSVOA_X
ClientSampleId :
MH-G

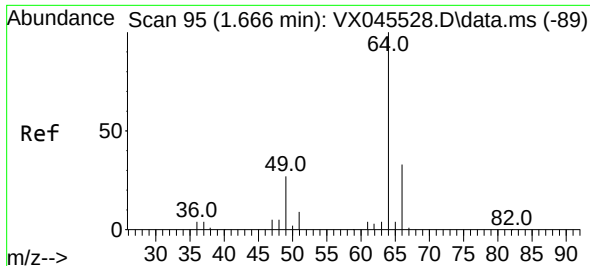
Tgt Ion:168 Resp: 61729
Ion Ratio Lower Upper
168 100
99 69.4 52.3 78.5



#5
Bromomethane
Concen: 0.231 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

Tgt Ion: 94 Resp: 95
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

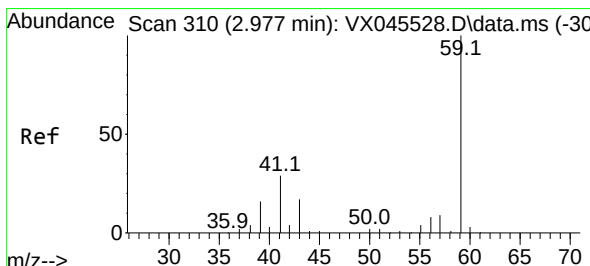
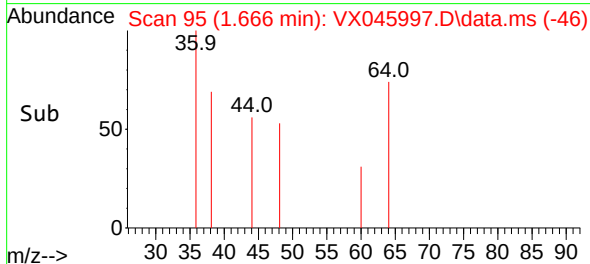
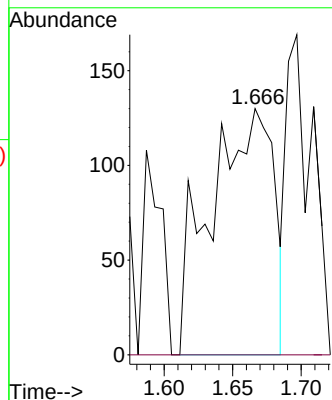
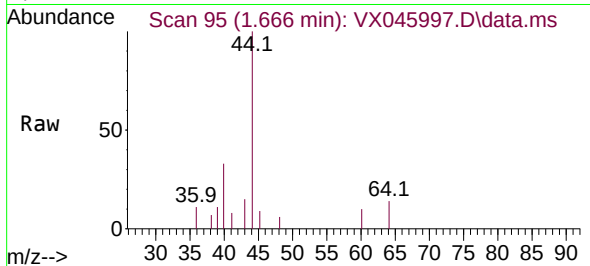




#6
Chloroethane
Concen: 0.903 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

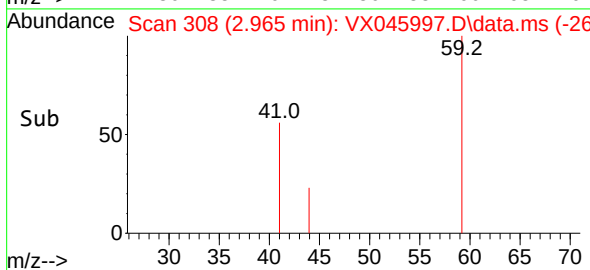
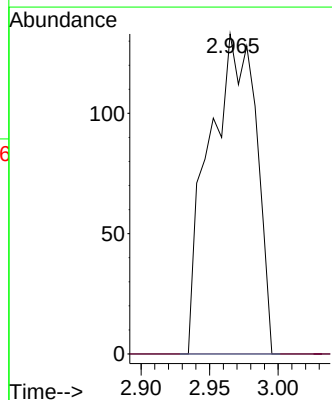
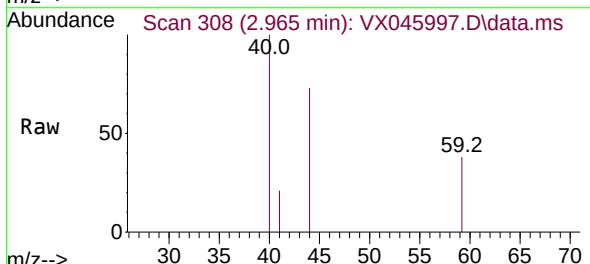
Instrument :
MSVOA_X
ClientSampleId :
MH-G

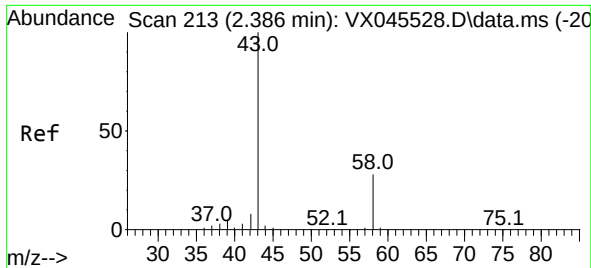
Tgt Ion: 64 Resp: 416
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 2.096 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

Tgt Ion: 59 Resp: 318
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

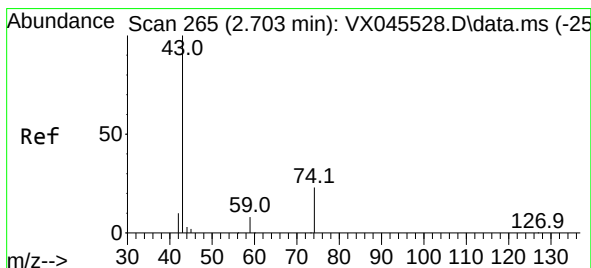
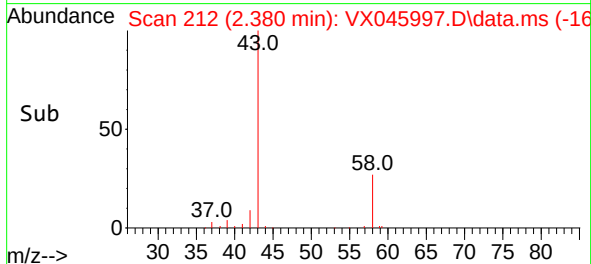
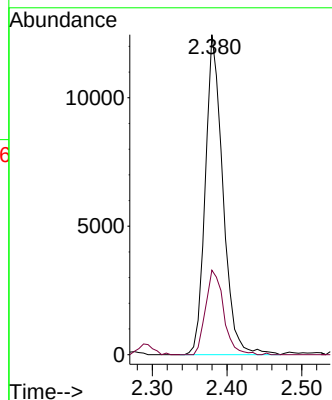
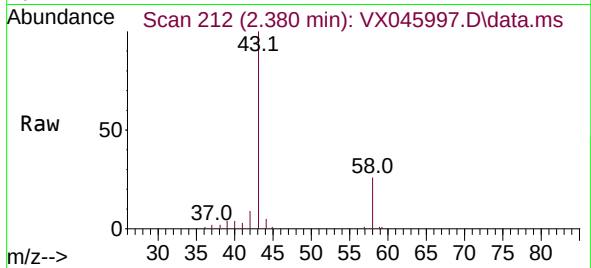




#16
Acetone
Concen: 43.951 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

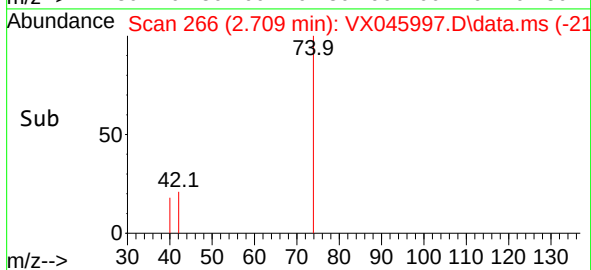
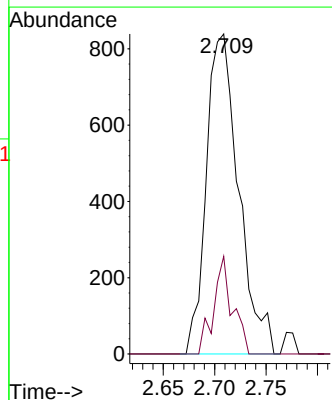
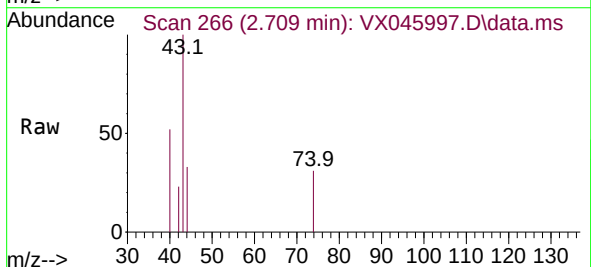
Instrument :
MSVOA_X
ClientSampleId :
MH-G

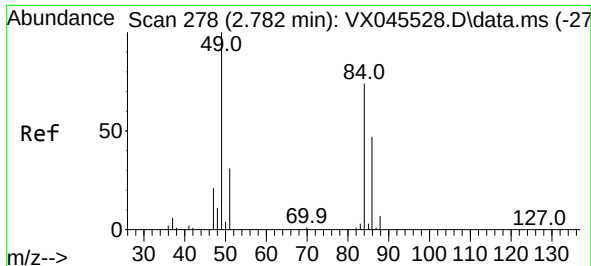
Tgt Ion: 43 Resp: 20373
Ion Ratio Lower Upper
43 100
58 26.4 22.3 33.5



#18
Methyl Acetate
Concen: 1.718 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

Tgt Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
74 17.7 17.5 26.3

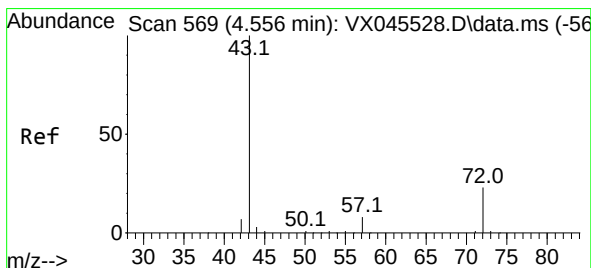
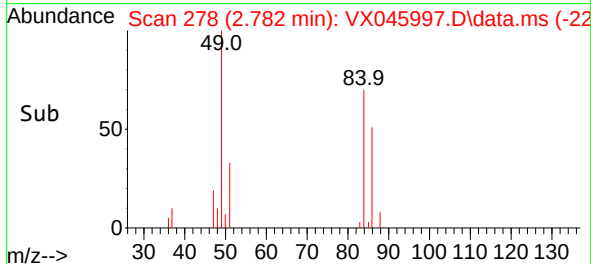
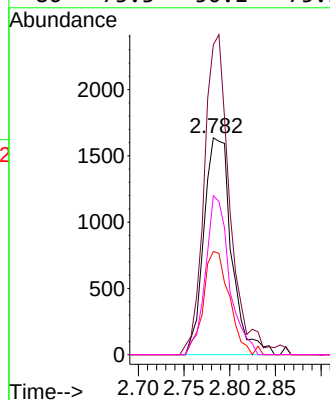
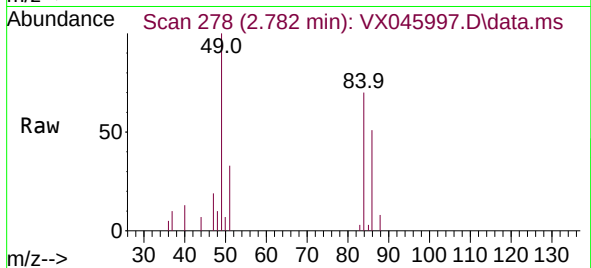




#20
Methylene Chloride
Concen: 3.964 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

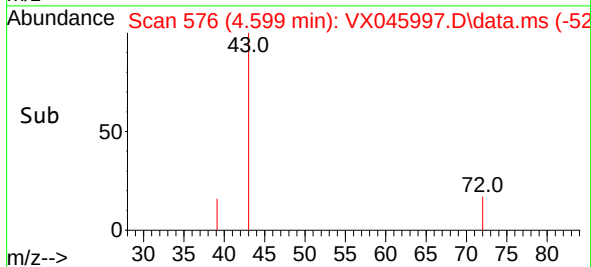
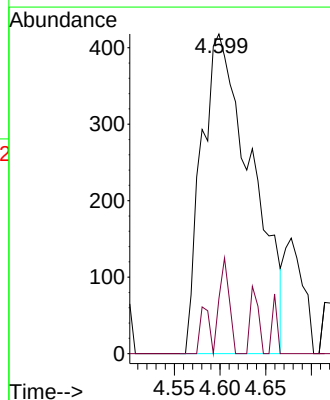
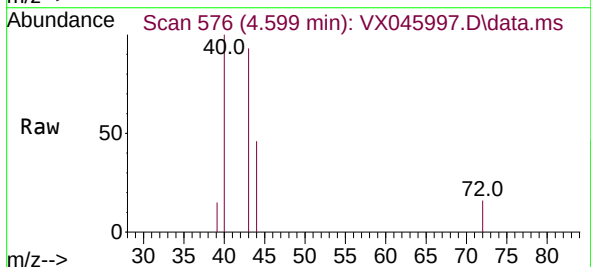
Instrument :
MSVOA_X
ClientSampleId :
MH-G

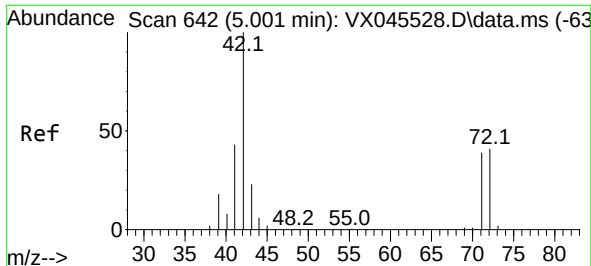
Tgt Ion:	84	Resp:	3440
Ion	Ratio	Lower	Upper
84	100		
49	142.9	107.5	161.3
51	47.6	33.0	49.6
86	73.3	50.1	75.1



#25
2-Butanone
Concen: 2.340 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

Tgt Ion:	43	Resp:	1588
Ion	Ratio	Lower	Upper
43	100		
72	17.2	18.6	28.0#





#29

Tetrahydrofuran

Concen: 0.586 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX045997.D

Acq: 30 Apr 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

MH-G

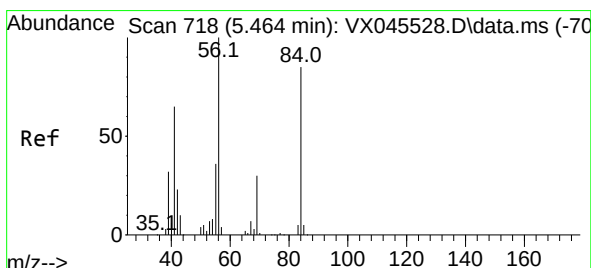
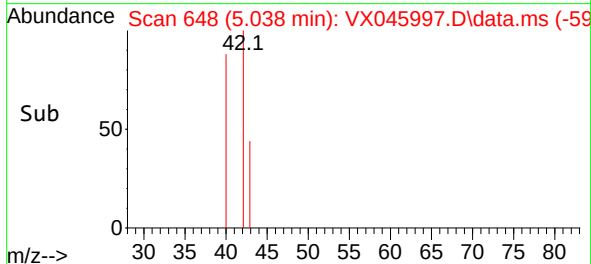
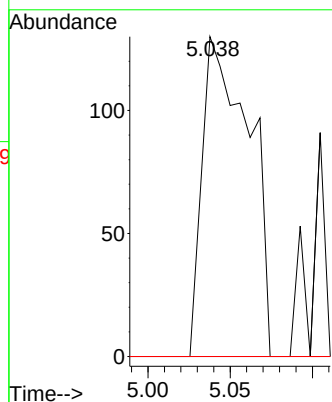
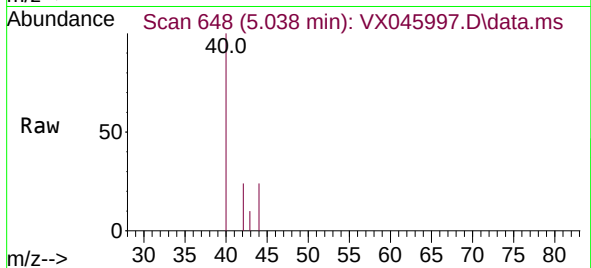
Tgt Ion: 42 Resp: 258

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045997.D

Acq: 30 Apr 2025 14:53

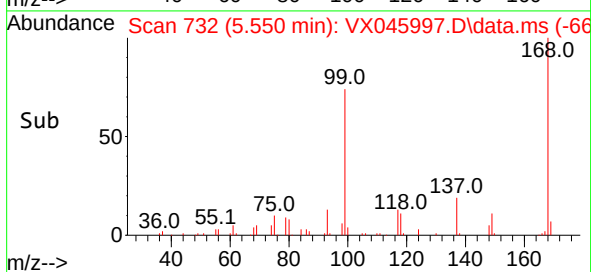
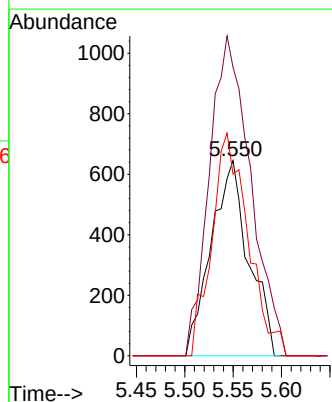
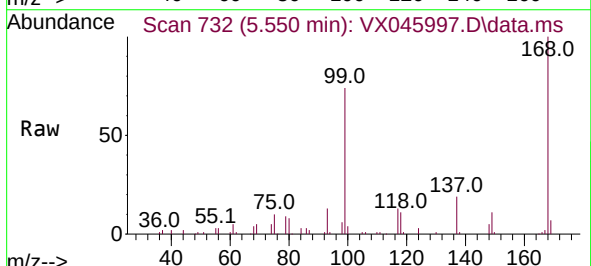
Tgt Ion: 56 Resp: 1745

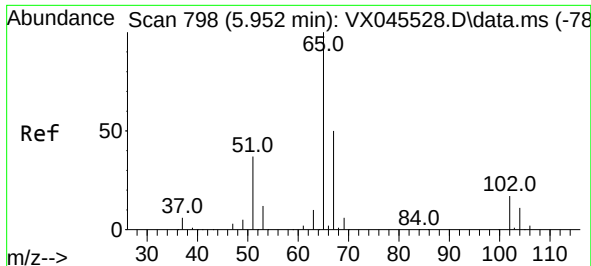
Ion Ratio Lower Upper

56 100

69 147.9 23.6 35.4#

84 93.2 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.632 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045997.D

Acq: 30 Apr 2025 14:53

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MSVOA_X

ClientSampleId :

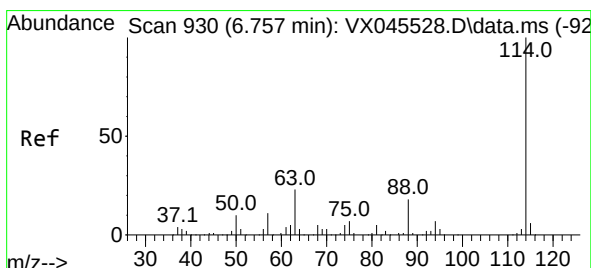
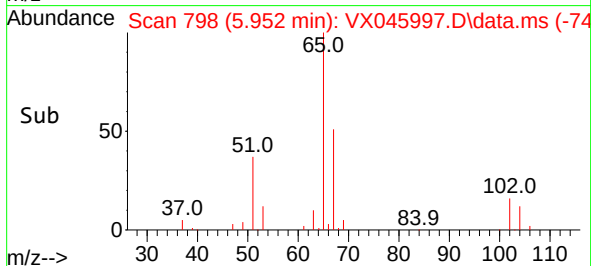
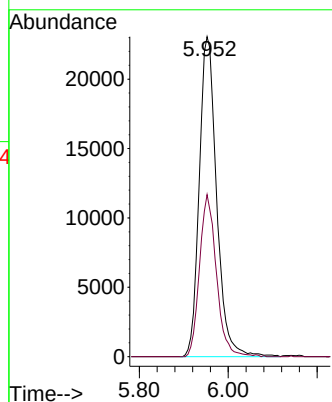
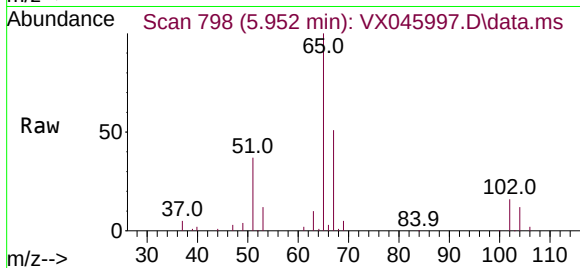
MH-G

Tgt Ion: 65 Resp: 62801

Ion Ratio Lower Upper

65 100

67 49.2 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: VX045997.D

Acq: 30 Apr 2025 14:53

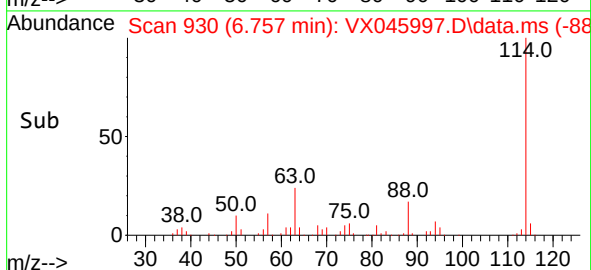
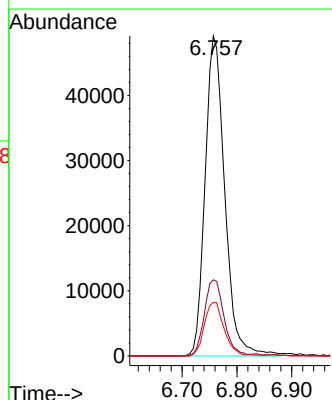
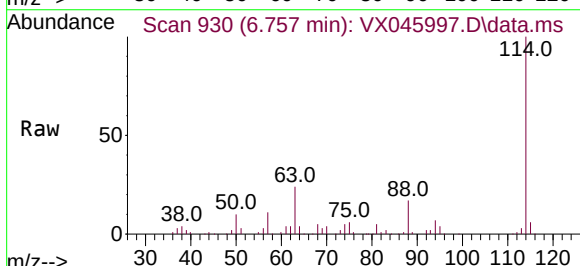
Tgt Ion: 114 Resp: 122189

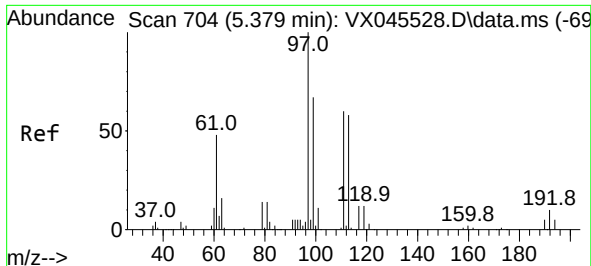
Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.8

88 16.7 0.0 35.4

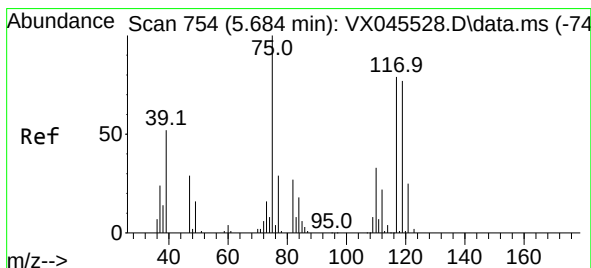
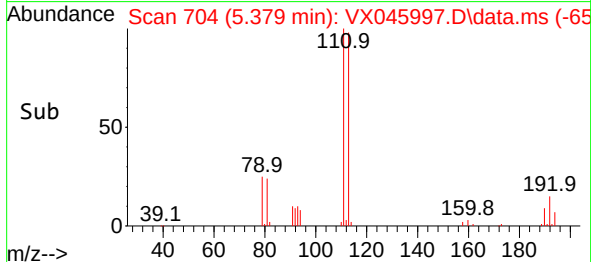
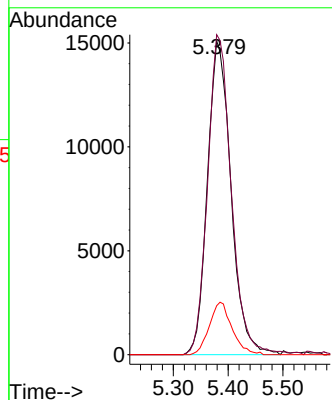
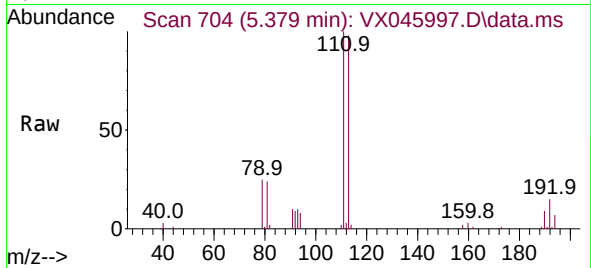




#35
Dibromofluoromethane
Concen: 51.934 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

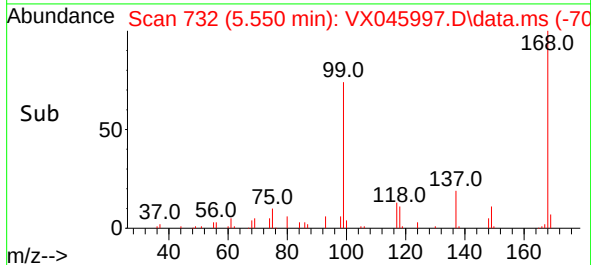
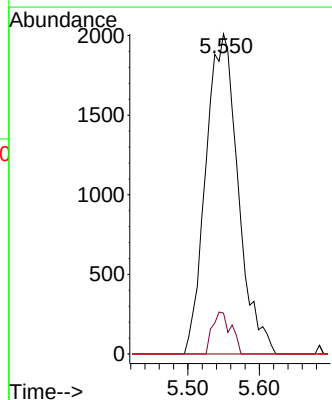
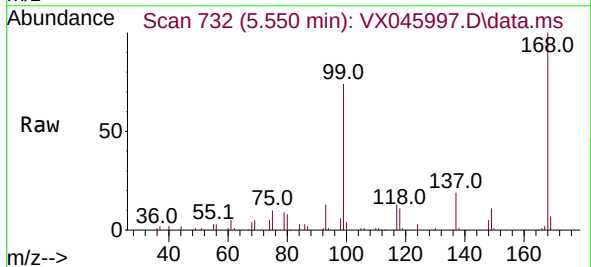
Instrument :
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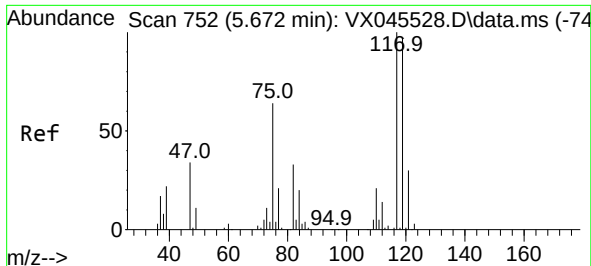
Tgt Ion:113 Resp: 45023
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 16.2 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.389 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

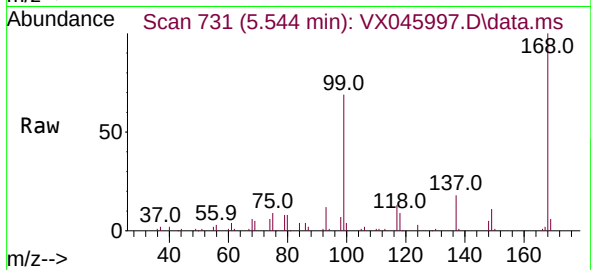
Tgt Ion: 75 Resp: 6308
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.6#
77 0.0 25.0 37.4#



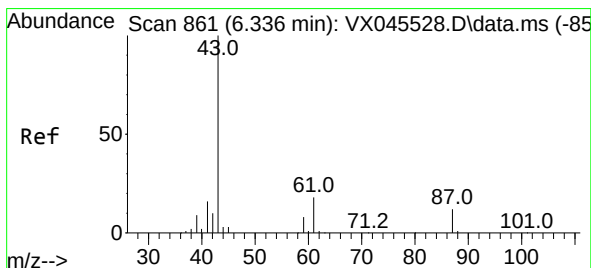
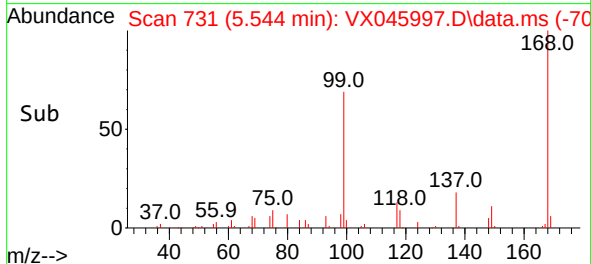
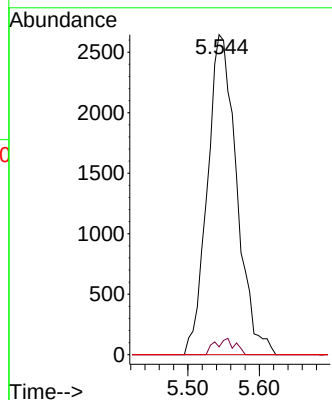


#38
Carbon Tetrachloride
Concen: 5.952 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MH-G

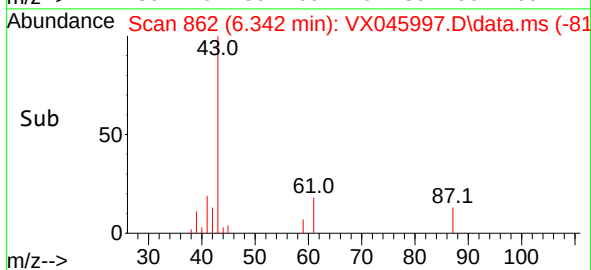
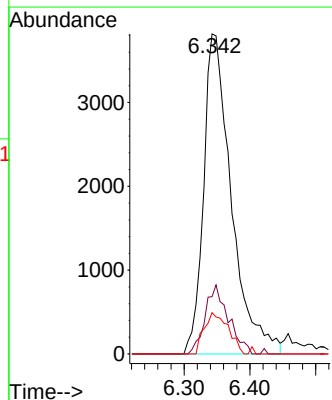
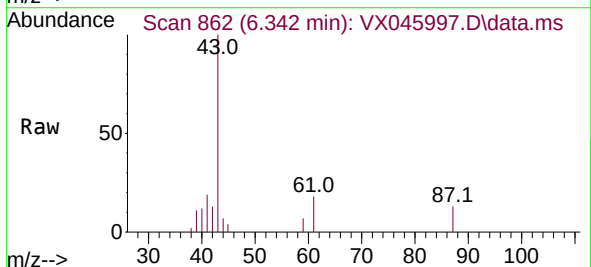


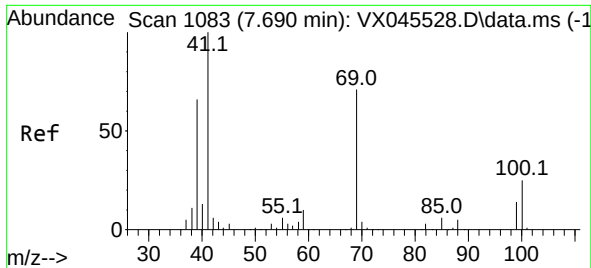
Tgt Ion:117 Resp: 7529
Ion Ratio Lower Upper
117 100
119 2.5 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.020 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

Tgt Ion: 43 Resp: 11224
Ion Ratio Lower Upper
43 100
61 18.0 14.1 21.1
87 11.2 9.2 13.8





#48

Methyl methacrylate

Concen: 39.902 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX045997.D

Acq: 30 Apr 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

MH-G

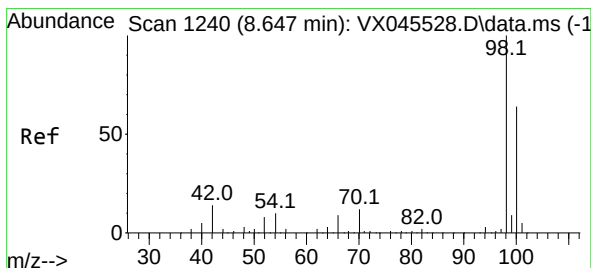
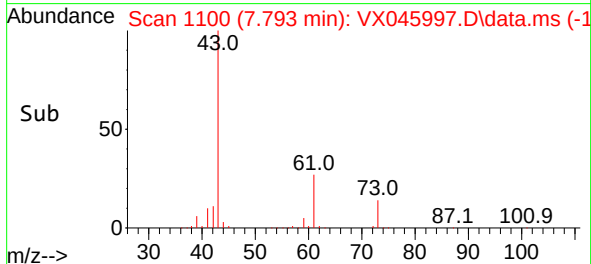
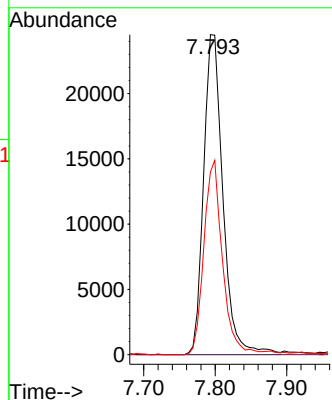
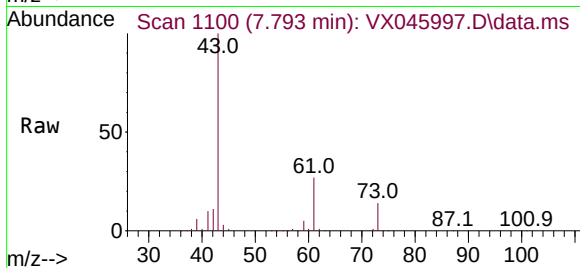
Tgt Ion: 41 Resp: 46061

Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 58.3 53.6 80.4



#50

Toluene-d8

Concen: 51.848 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045997.D

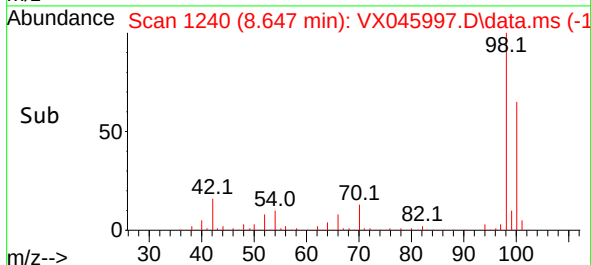
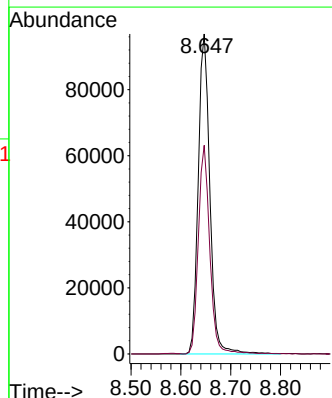
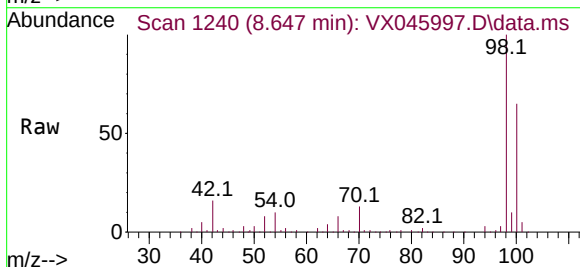
Acq: 30 Apr 2025 14:53

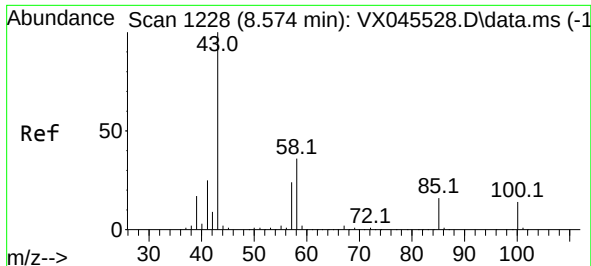
Tgt Ion: 98 Resp: 156888

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 25.442 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045997.D

Acq: 30 Apr 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

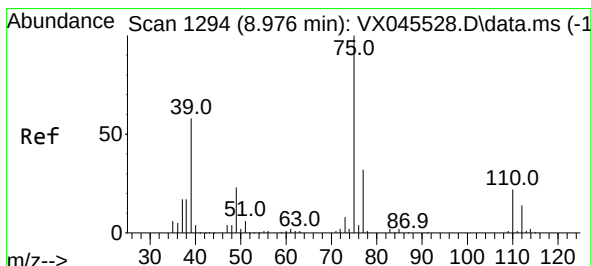
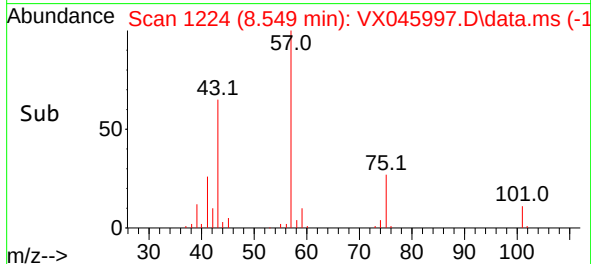
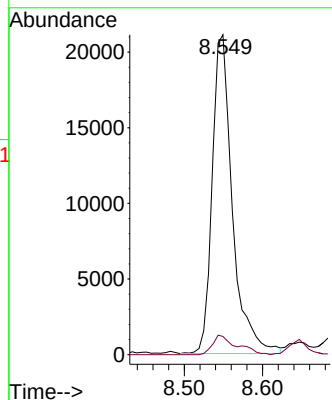
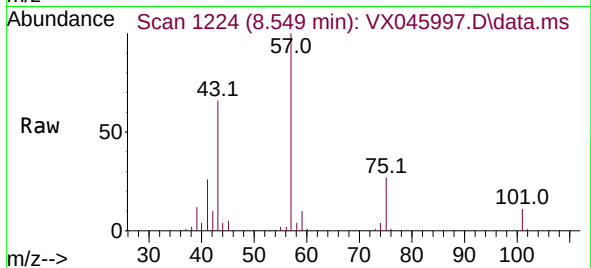
MH-G

Tgt Ion: 43 Resp: 37708

Ion Ratio Lower Upper

43 100

58 7.3 28.5 42.7#



#53

t-1,3-Dichloropropene

Concen: 2.414 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX045997.D

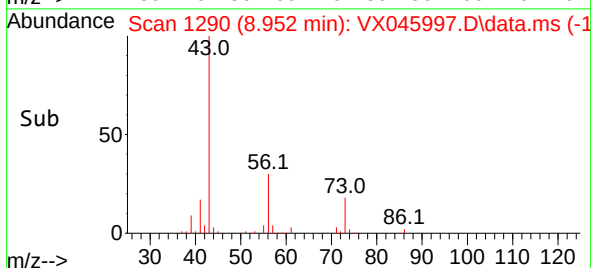
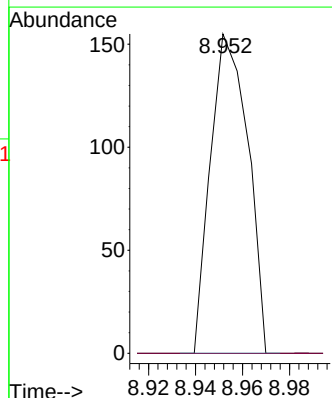
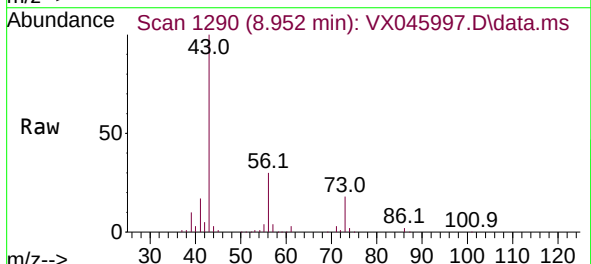
Acq: 30 Apr 2025 14:53

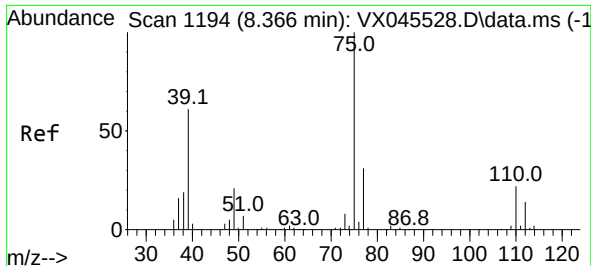
Tgt Ion: 75 Resp: 172

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

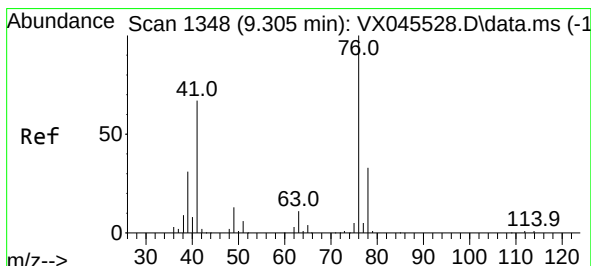
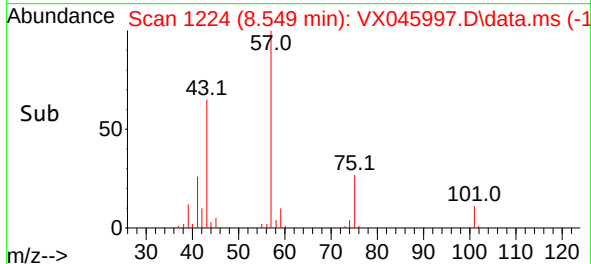
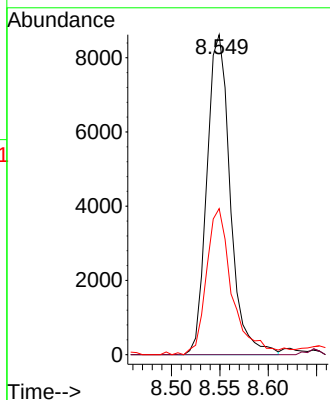
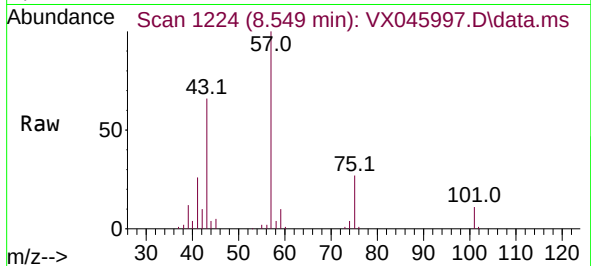




#54
 cis-1,3-Dichloropropene
 Concen: 11.258 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045997.D
 Acq: 30 Apr 2025 14:53

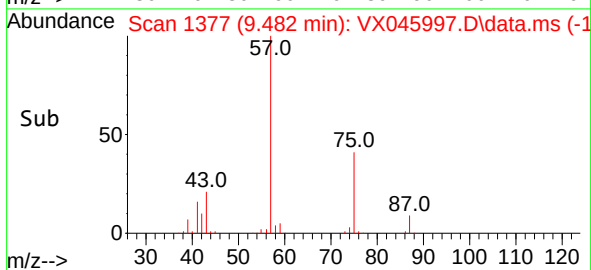
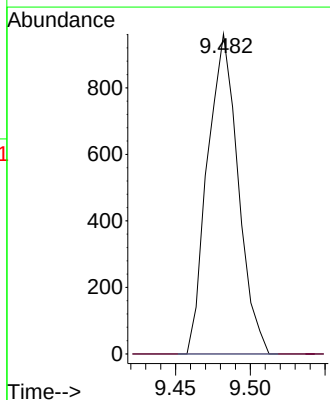
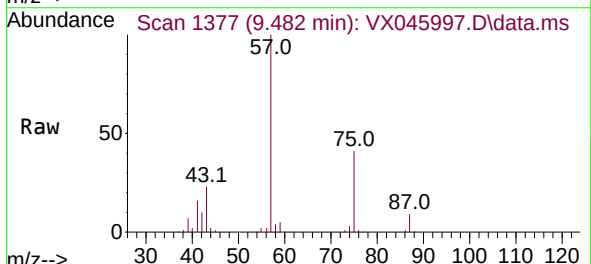
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-G

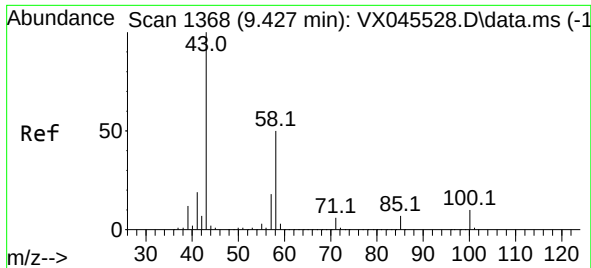
Tgt Ion: 75 Resp: 14466
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.1 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.914 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045997.D
 Acq: 30 Apr 2025 14:53

Tgt Ion: 76 Resp: 1372
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

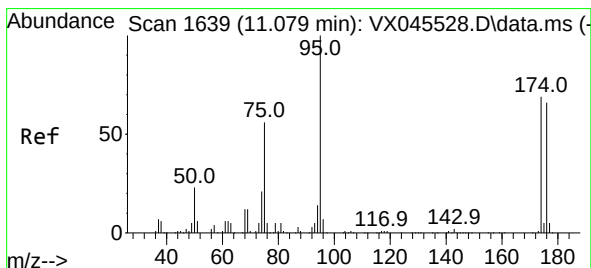
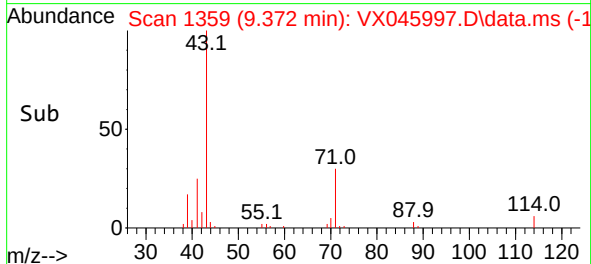
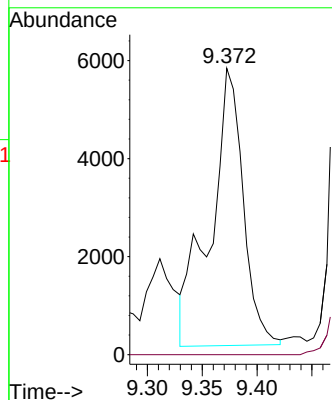
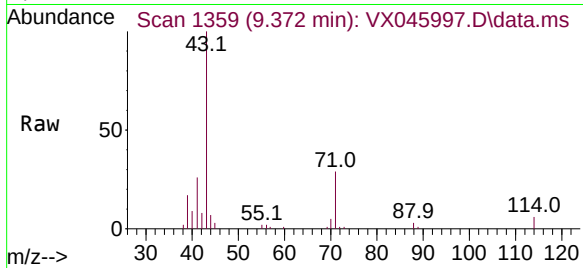




#59
2-Hexanone
Concen: 10.707 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

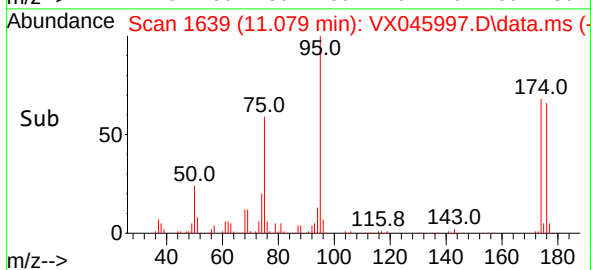
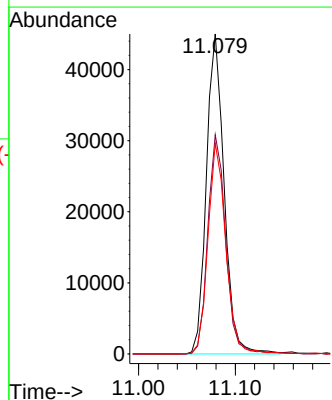
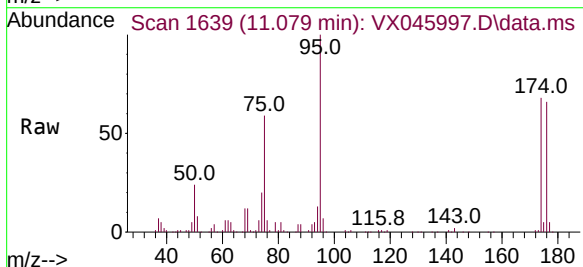
Instrument :
MSVOA_X
ClientSampleId :
MH-G

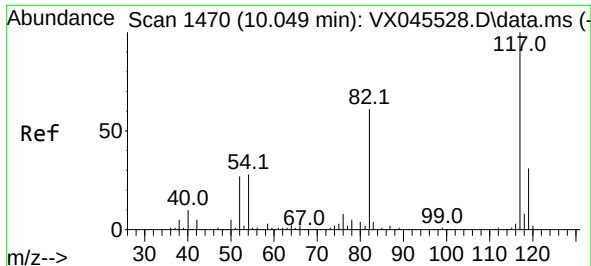
Tgt Ion: 43 Resp: 11751
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.276 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

Tgt Ion: 95 Resp: 57618
Ion Ratio Lower Upper
95 100
174 68.9 0.0 135.8
176 66.3 0.0 131.4

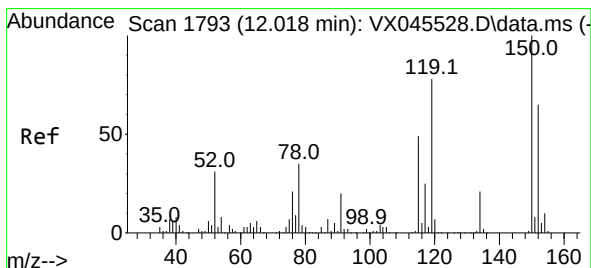
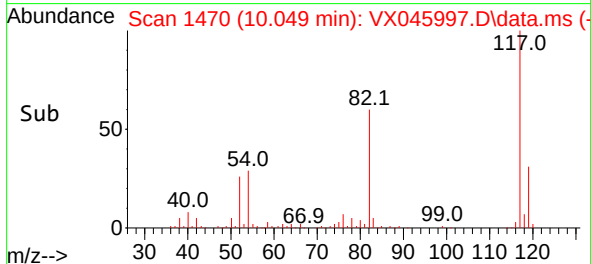
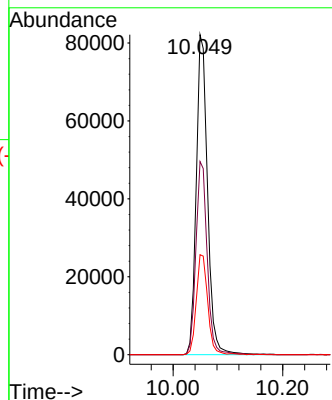
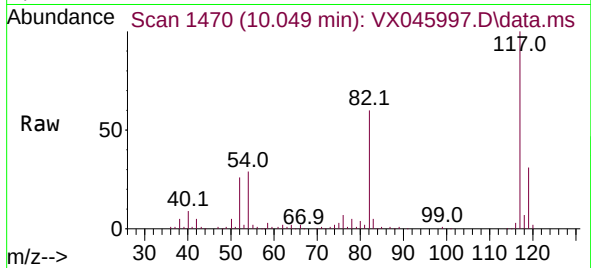




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

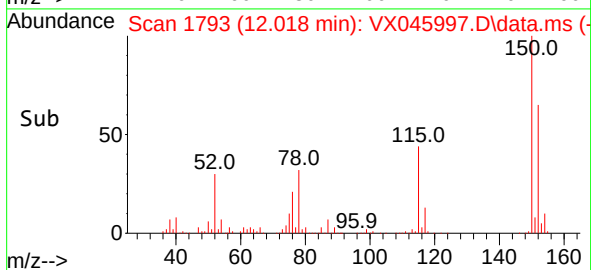
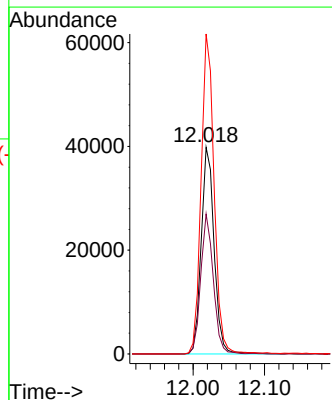
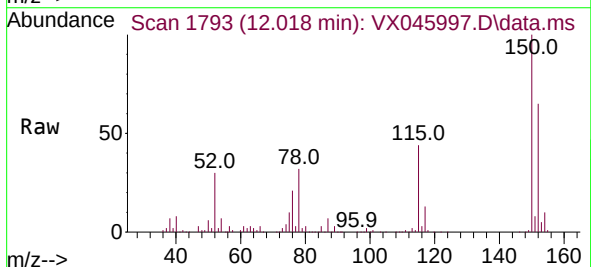
Instrument :
MSVOA_X
ClientSampleId :
MH-G

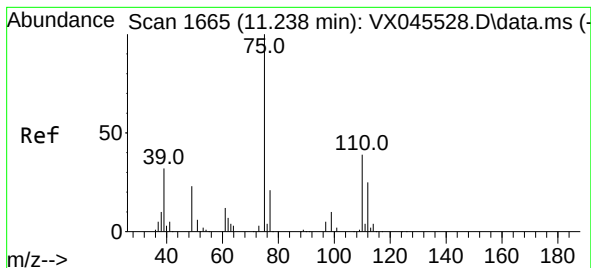
Tgt Ion:117 Resp: 118084
Ion Ratio Lower Upper
117 100
82 60.4 49.2 73.8
119 31.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

Tgt Ion:152 Resp: 49988
Ion Ratio Lower Upper
152 100
115 65.7 46.9 140.7
150 155.7 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 27.219 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045997.D

Acq: 30 Apr 2025 14:53

Instrument :

MSVOA_X

ClientSampleId :

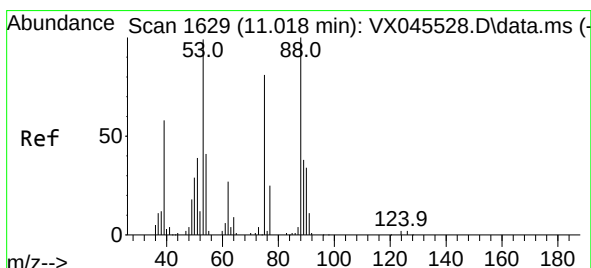
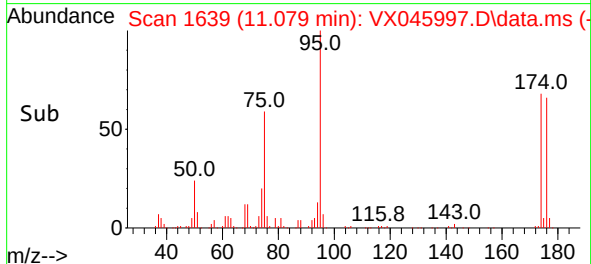
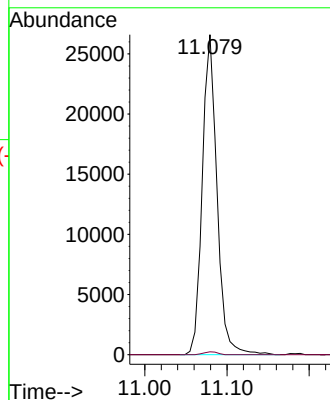
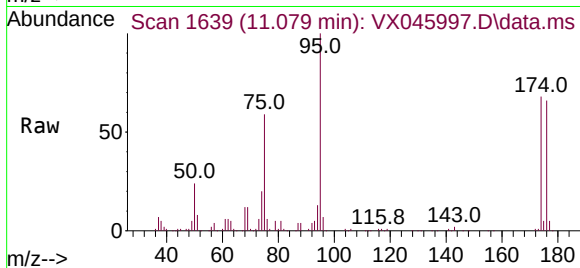
MH-G

Tgt Ion: 75 Resp: 33189

Ion Ratio Lower Upper

75 100

77 0.9 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.378 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045997.D

Acq: 30 Apr 2025 14:53

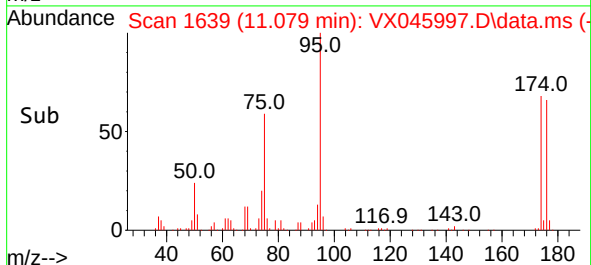
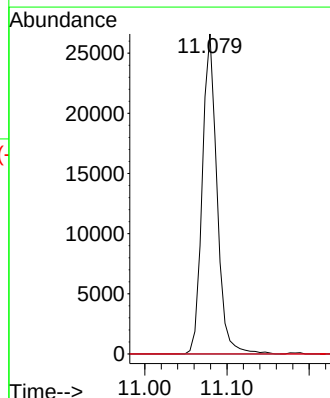
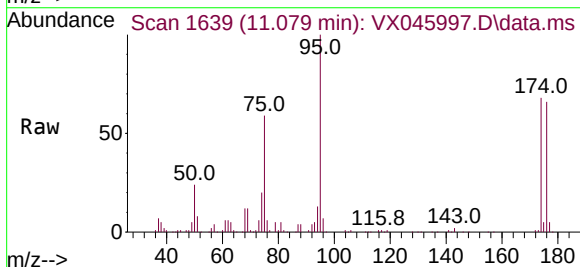
Tgt Ion: 75 Resp: 33189

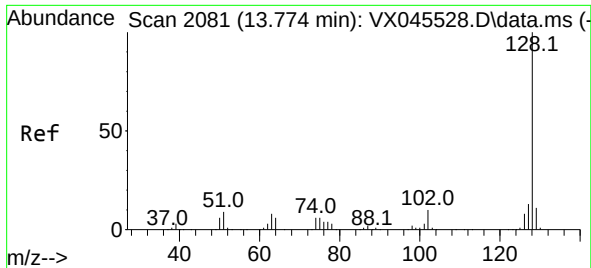
Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

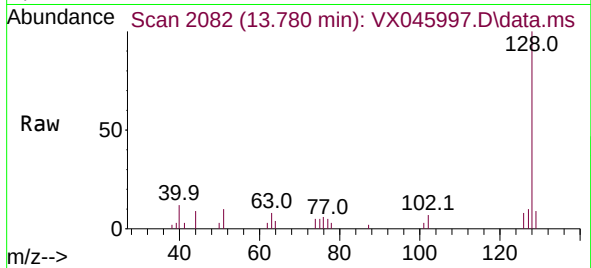
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 1.328 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045997.D
Acq: 30 Apr 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MH-G



Tgt Ion:	128	Resp:	4605
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	9.4	8.6	12.8

