

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046021.D
 Acq On : 02 May 2025 12:41
 Operator : JC/MD
 Sample : Q1922-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-R

Quant Time: May 02 23:13:51 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)

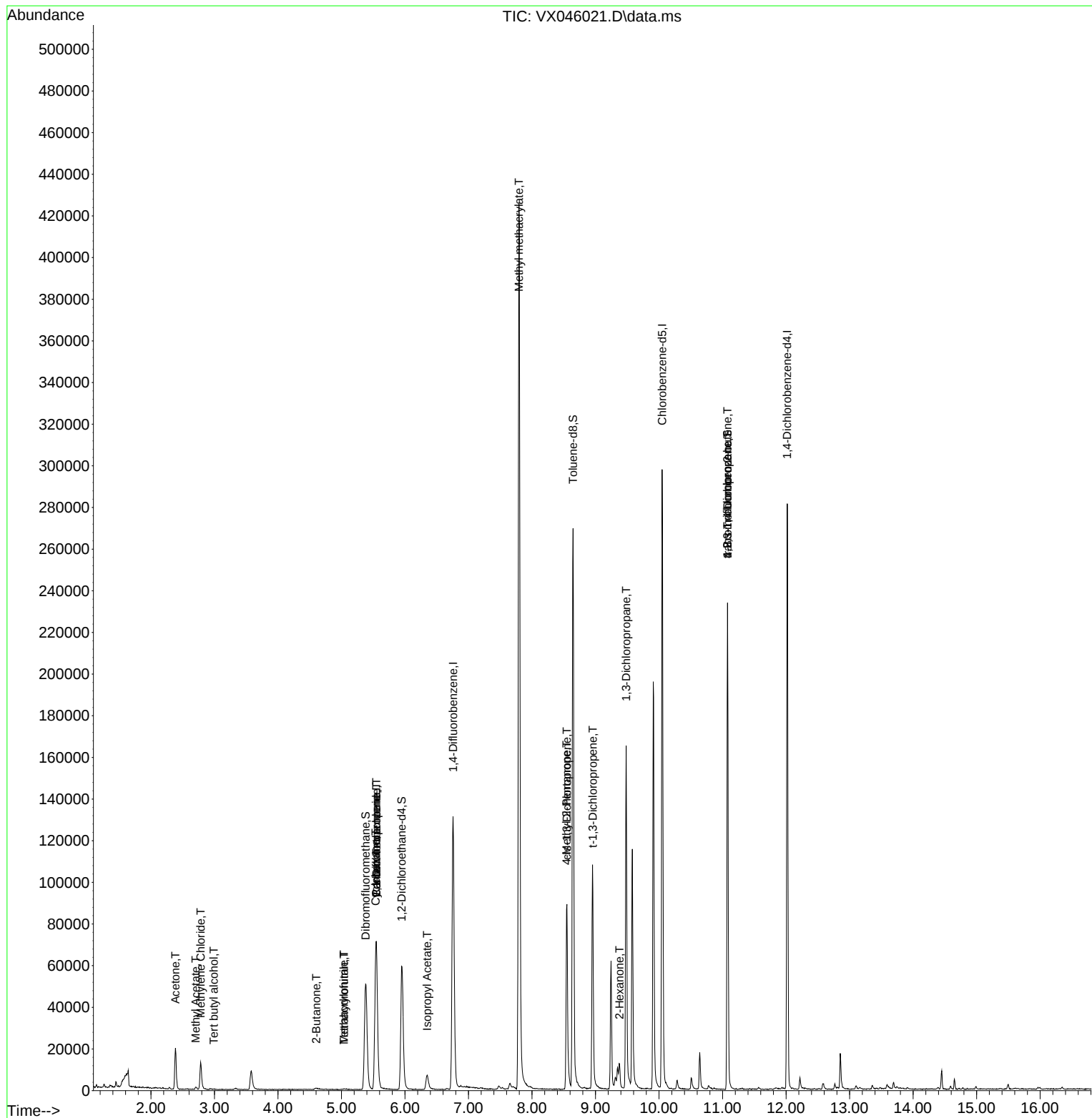
Internal Standards						
1) Pentafluorobenzene	5.550	168	61759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126035	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	62632	55.455	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.920%
35) Dibromofluoromethane	5.379	113	44822	50.124	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.240%
50) Toluene-d8	8.647	98	158215	50.691	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.380%
62) 4-Bromofluorobenzene	11.079	95	61749	54.314	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	192	1.265	ug/l #	72
16) Acetone	2.386	43	22192	47.852	ug/l	98
18) Methyl Acetate	2.703	43	1475	1.381	ug/l	95
20) Methylene Chloride	2.782	84	6362	7.328	ug/l	95
25) 2-Butanone	4.605	43	1862	2.743	ug/l #	78
29) Tetrahydrofuran	5.038	42	231	0.525	ug/l #	43
31) Cyclohexane	5.538	56	1919	1.385	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	6210	5.143	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7223	5.535	ug/l #	16
41) Methacrylonitrile	5.038	41	183	0.228	ug/l #	32
43) Isopropyl Acetate	6.348	43	11676	5.063	ug/l	95
48) Methyl methacrylate	7.793	41	43662	36.670	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	35710	23.359	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	221	2.445	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14209	10.720	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	1341	0.866	ug/l #	42
59) 2-Hexanone	9.378	43	10626	9.386	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	35150	27.530	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35150	93.435	ug/l #	1

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046021.D
Acq On : 02 May 2025 12:41
Operator : JC/MD
Sample : Q1922-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-R

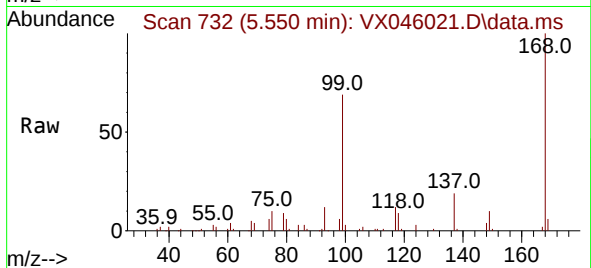
Quant Time: May 02 23:13:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



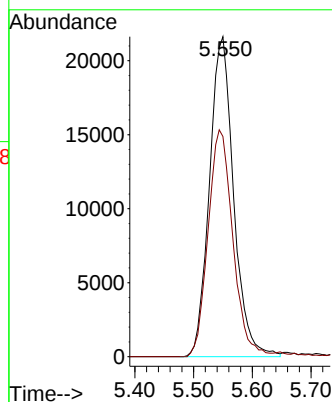
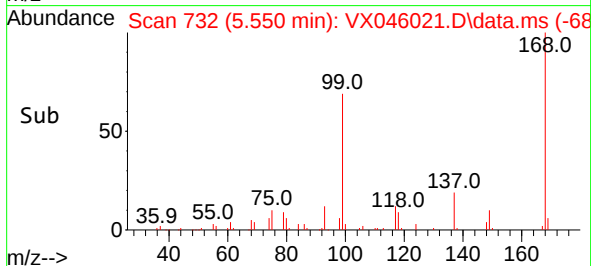


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :
MH-R

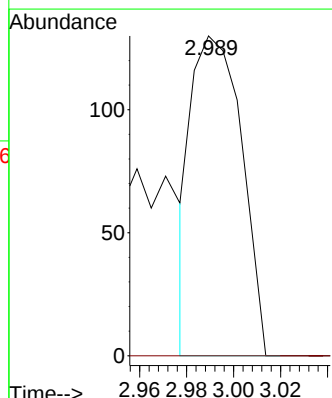
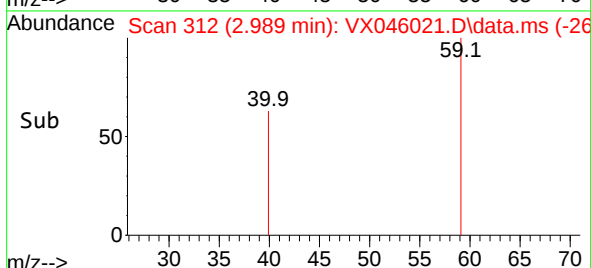
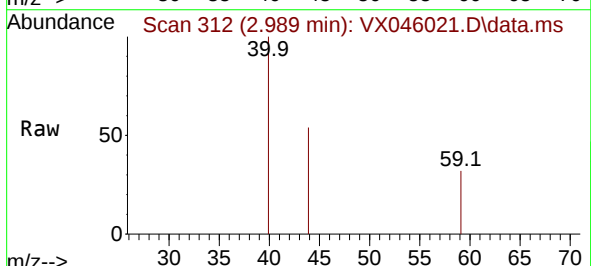


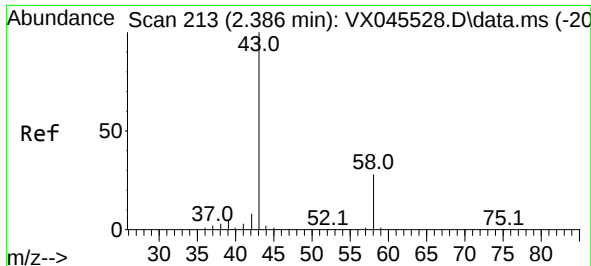
Tgt Ion:168 Resp: 61759
Ion Ratio Lower Upper
168 100
99 68.8 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.265 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.012 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

Tgt Ion: 59 Resp: 192
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

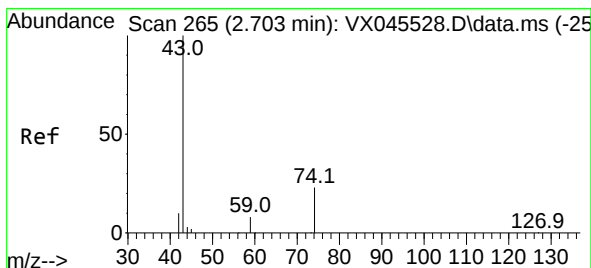
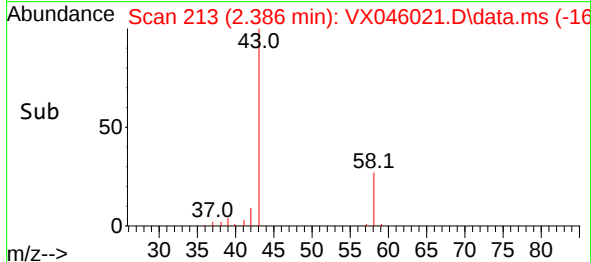
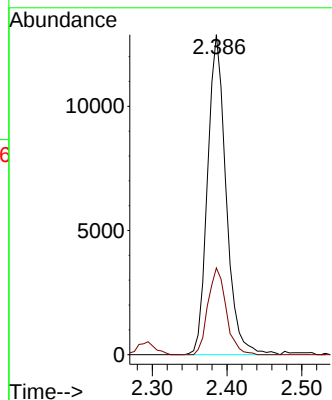
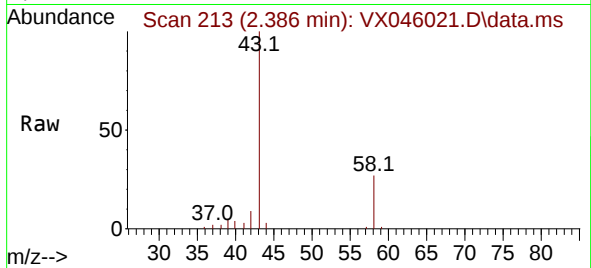




#16
Acetone
Concen: 47.852 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

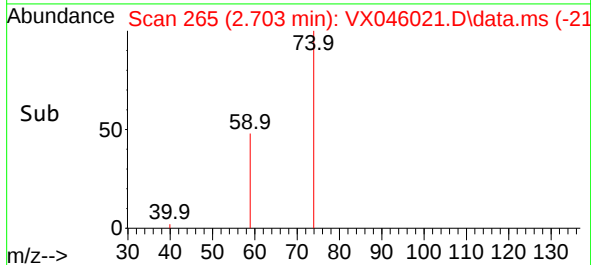
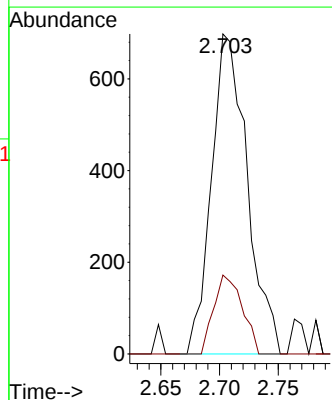
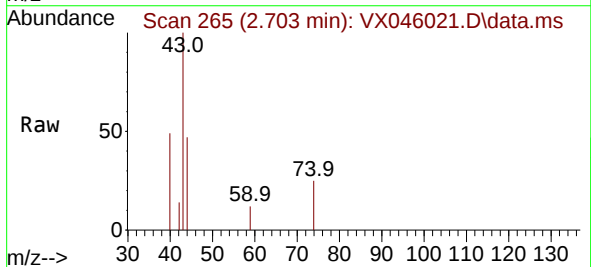
Instrument :
MSVOA_X
ClientSampleId :
MH-R

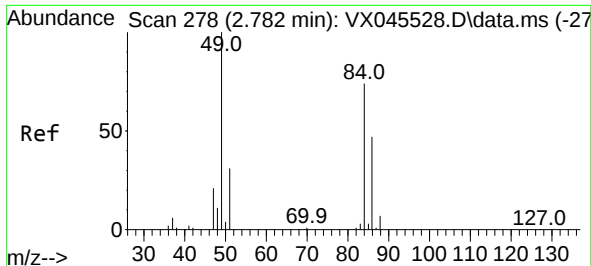
Tgt Ion: 43 Resp: 22192
Ion Ratio Lower Upper
43 100
58 27.1 22.3 33.5



#18
Methyl Acetate
Concen: 1.381 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

Tgt Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
74 19.7 17.5 26.3





#20

Methylene Chloride

Concen: 7.328 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046021.D

Acq: 02 May 2025 12:41

Instrument :

MSVOA_X

ClientSampleId :

MH-R

Tgt Ion: 84 Resp: 6362

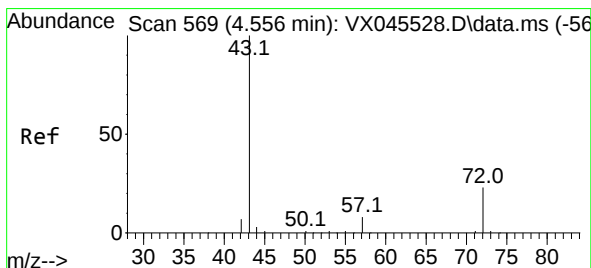
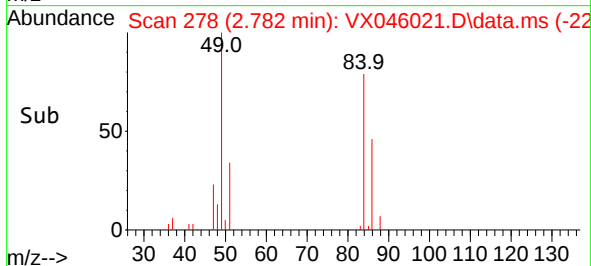
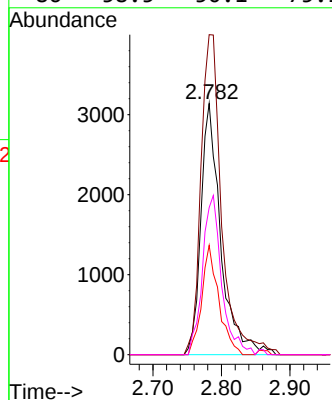
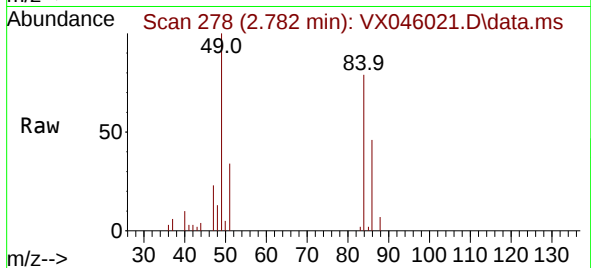
Ion Ratio Lower Upper

84 100

49 127.3 107.5 161.3

51 43.5 33.0 49.6

86 58.5 50.1 75.1



#25

2-Butanone

Concen: 2.743 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.049 min

Lab File: VX046021.D

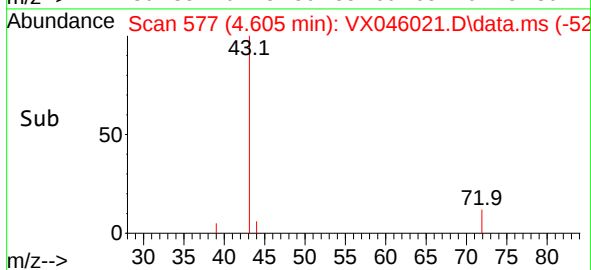
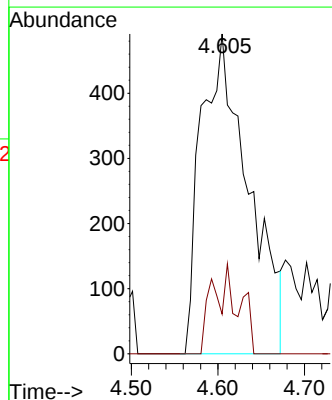
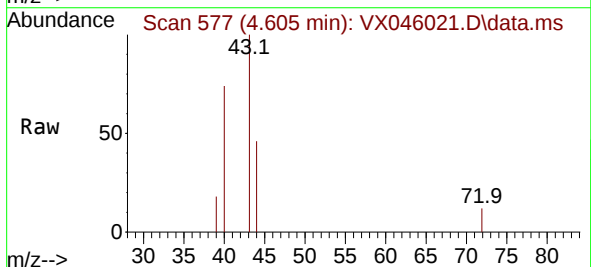
Acq: 02 May 2025 12:41

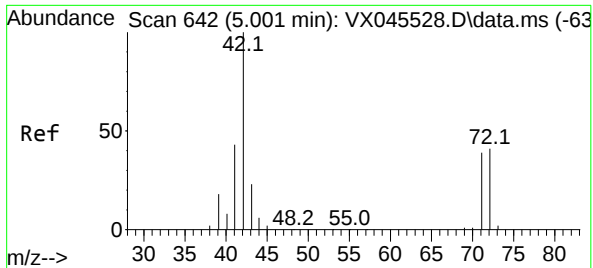
Tgt Ion: 43 Resp: 1862

Ion Ratio Lower Upper

43 100

72 12.4 18.6 28.0#





#29

Tetrahydrofuran

Concen: 0.525 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX046021.D

Acq: 02 May 2025 12:41

Instrument :

MSVOA_X

ClientSampleId :

MH-R

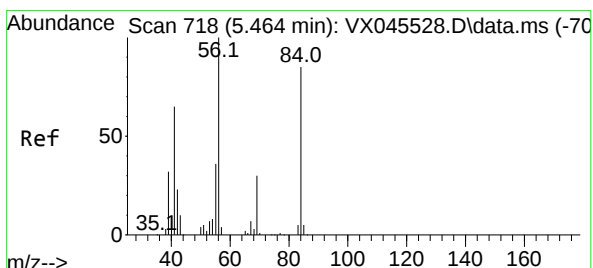
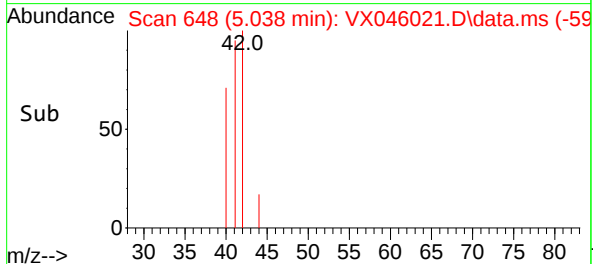
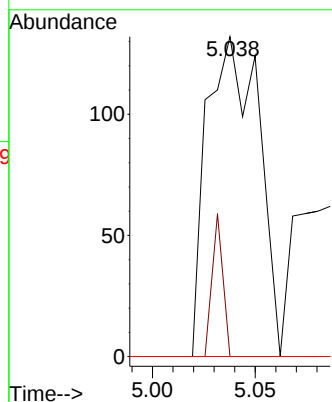
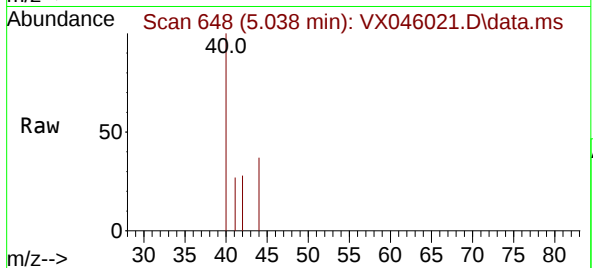
Tgt Ion: 42 Resp: 231

Ion Ratio Lower Upper

42 100

72 9.5 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.385 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX046021.D

Acq: 02 May 2025 12:41

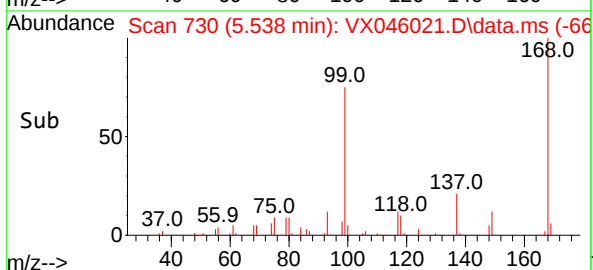
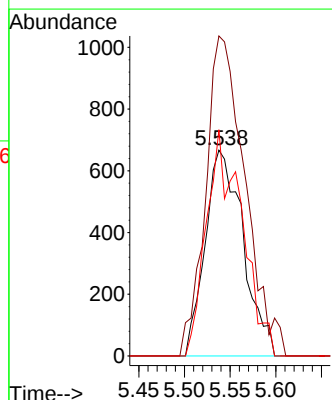
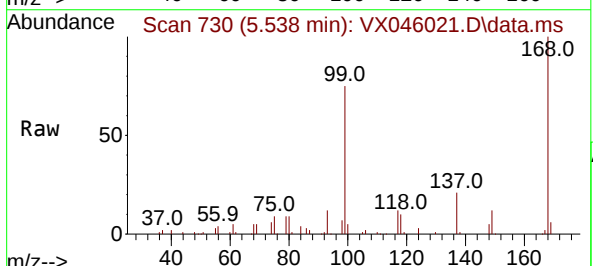
Tgt Ion: 56 Resp: 1919

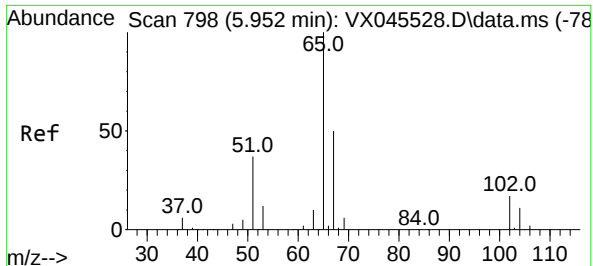
Ion Ratio Lower Upper

56 100

69 155.5 23.6 35.4#

84 109.9 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 55.455 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046021.D

Acq: 02 May 2025 12:41

Instrument :

MSVOA_X

ClientSampleId :

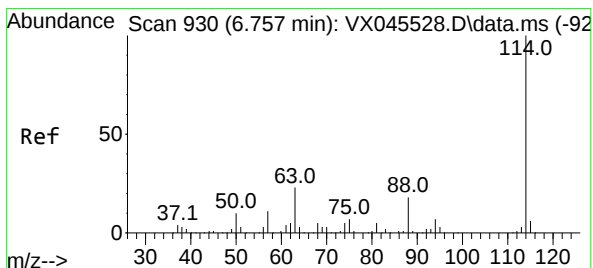
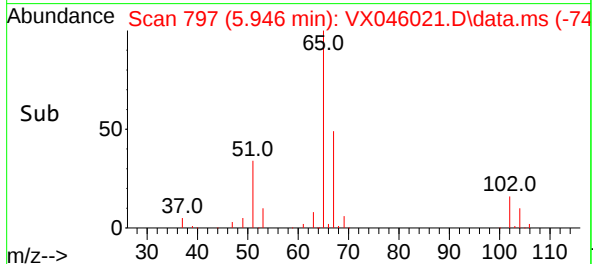
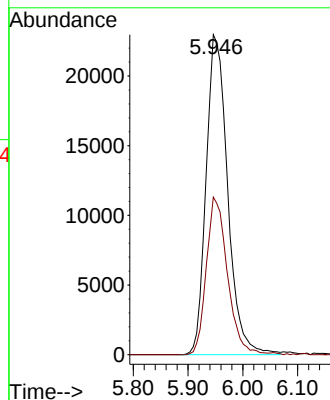
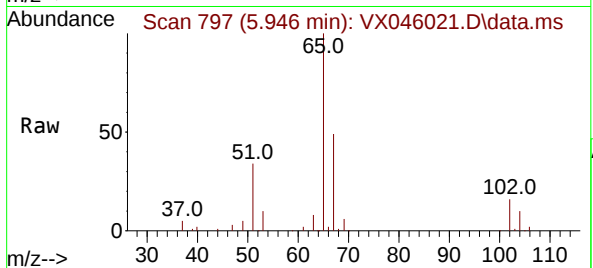
MH-R

Tgt Ion: 65 Resp: 62632

Ion Ratio Lower Upper

65 100

67 48.2 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: VX046021.D

Acq: 02 May 2025 12:41

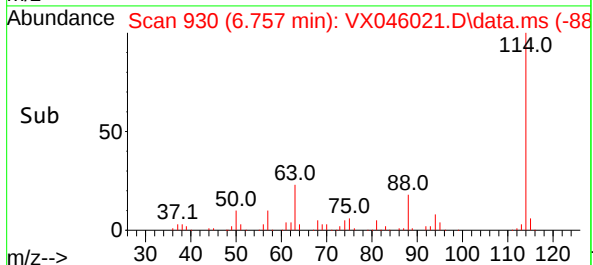
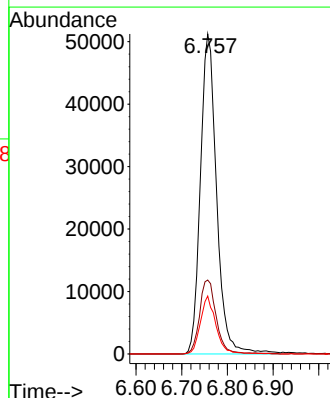
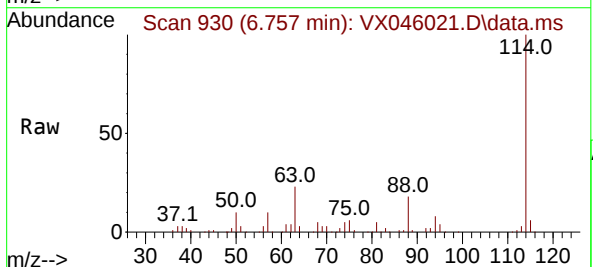
Tgt Ion: 114 Resp: 126035

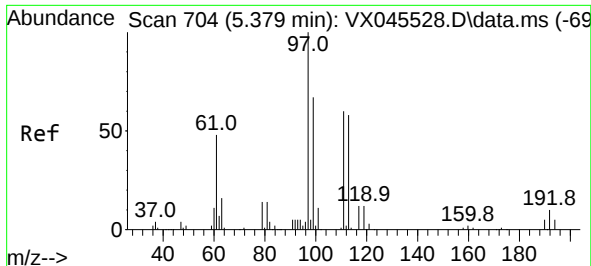
Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.8

88 18.1 0.0 35.4

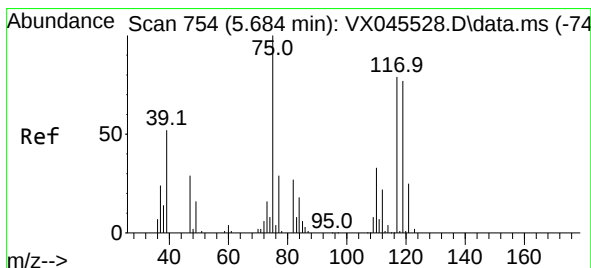
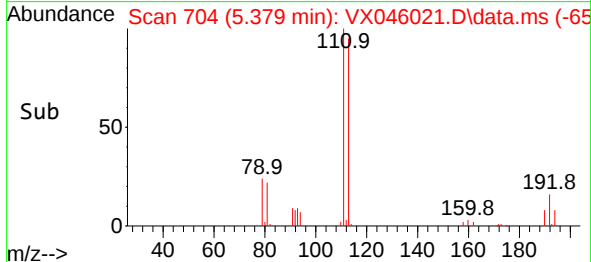
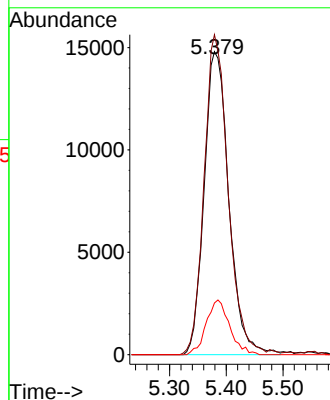
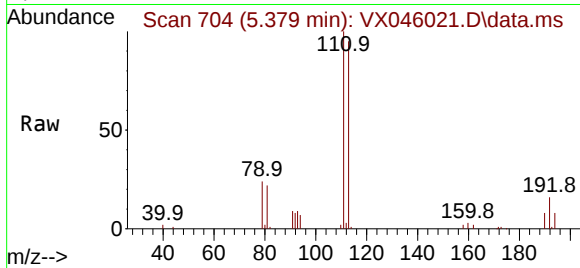




#35
Dibromofluoromethane
Concen: 50.124 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

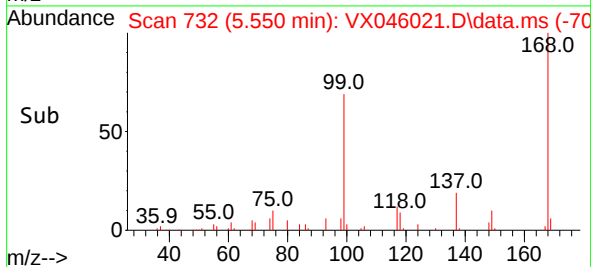
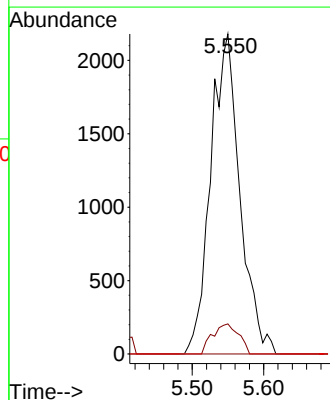
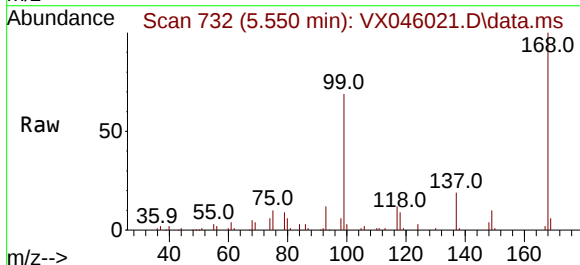
Instrument :
MSVOA_X
ClientSampleId :
MH-R

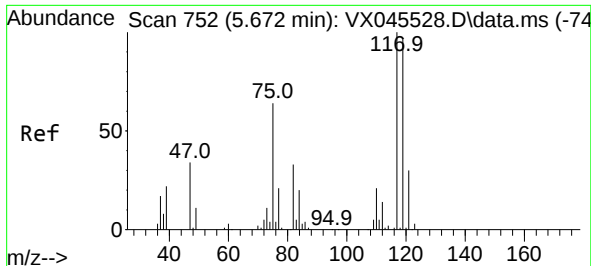
Tgt Ion:113 Resp: 44822
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 17.1 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.143 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

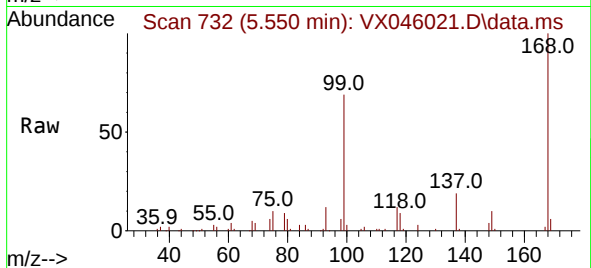
Tgt Ion: 75 Resp: 6210
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.6#
77 0.0 25.0 37.4#



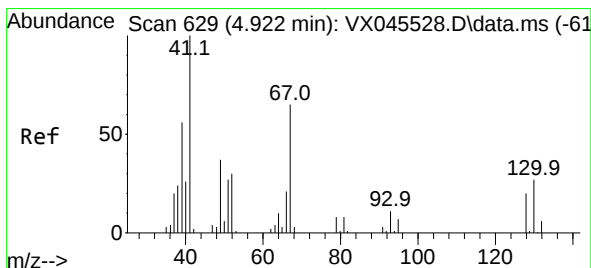
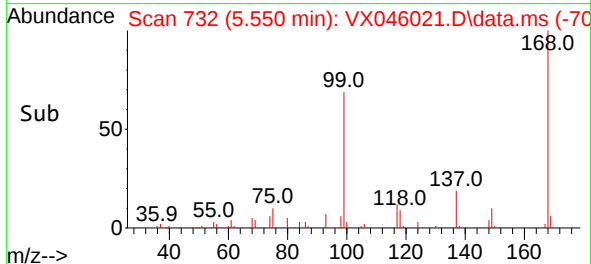
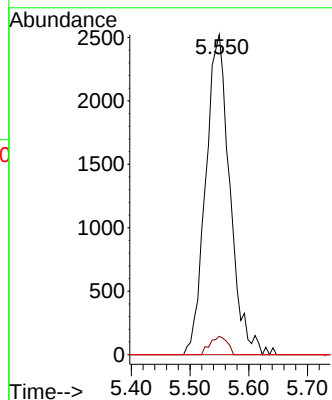


#38
Carbon Tetrachloride
Concen: 5.535 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

Instrument :
MSVOA_X
ClientSampleId :
MH-R

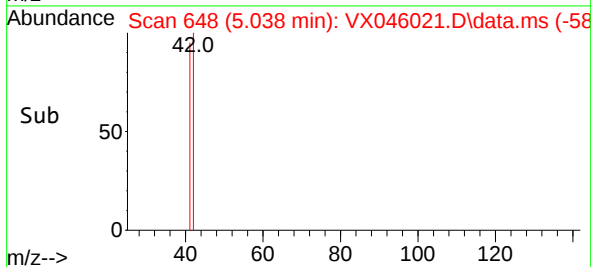
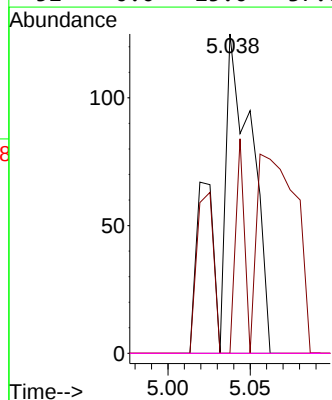
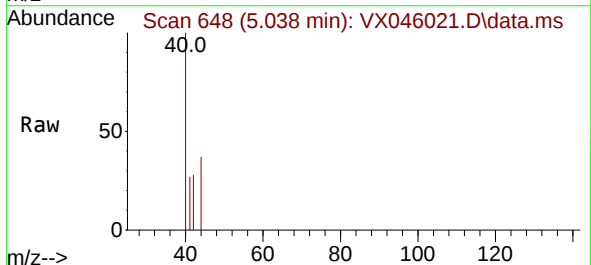


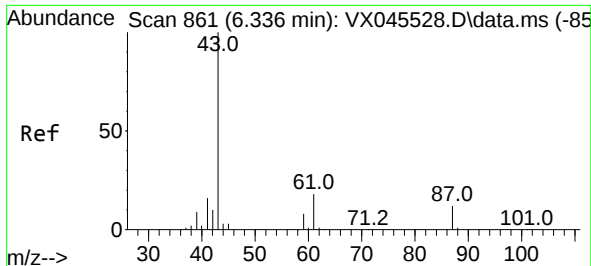
Tgt Ion:117 Resp: 7223
Ion Ratio Lower Upper
117 100
119 5.7 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.228 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

Tgt Ion: 41 Resp: 183
Ion Ratio Lower Upper
41 100
39 16.9 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

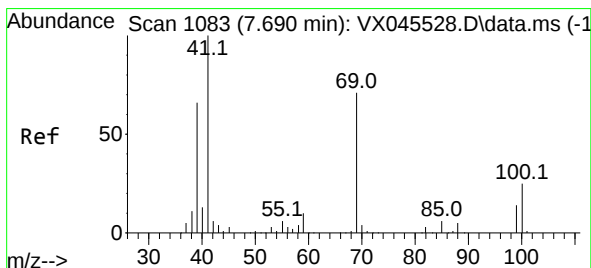
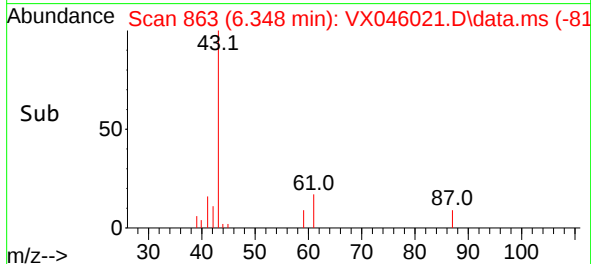
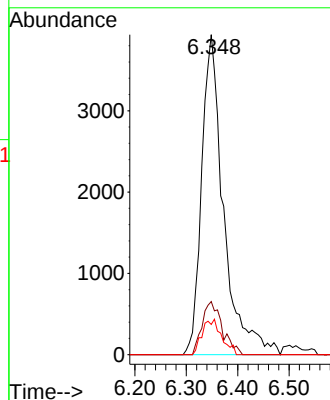
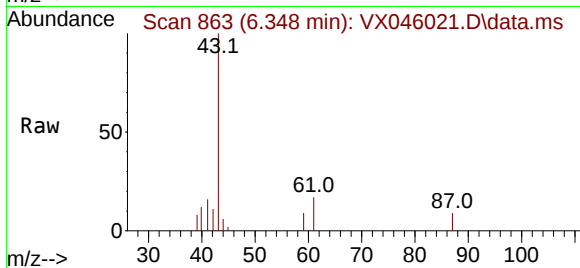




#43
Isopropyl Acetate
Concen: 5.063 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

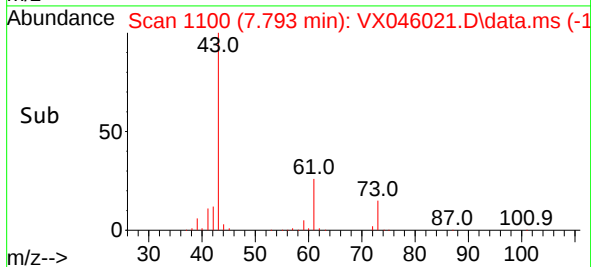
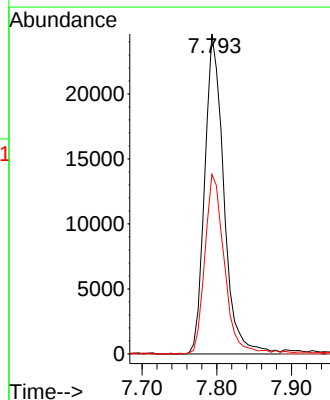
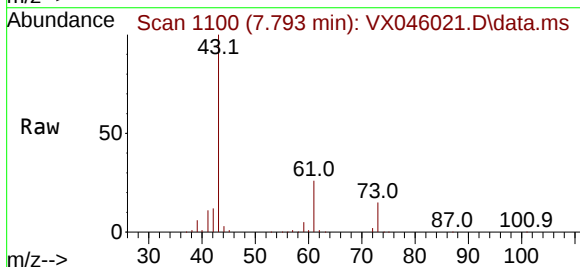
Instrument :
MSVOA_X
ClientSampleId :
MH-R

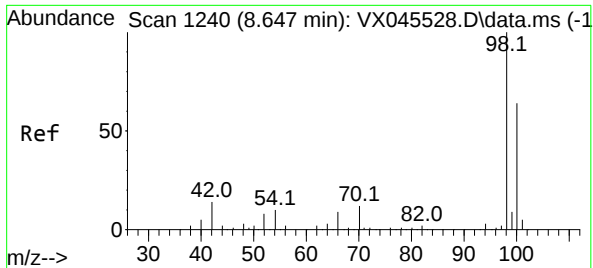
Tgt Ion: 43 Resp: 11676
Ion Ratio Lower Upper
43 100
61 15.3 14.1 21.1
87 9.8 9.2 13.8



#48
Methyl methacrylate
Concen: 36.670 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

Tgt Ion: 41 Resp: 43662
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.1 53.6 80.4

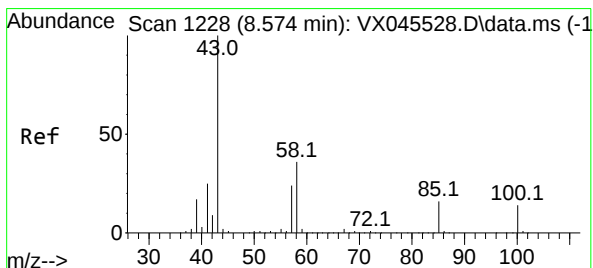
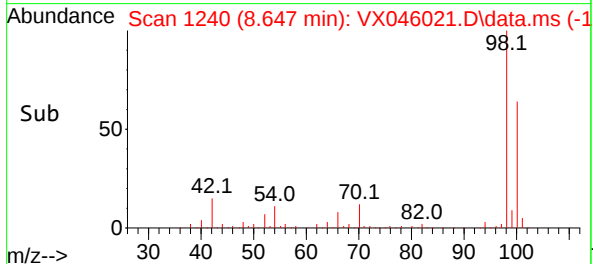
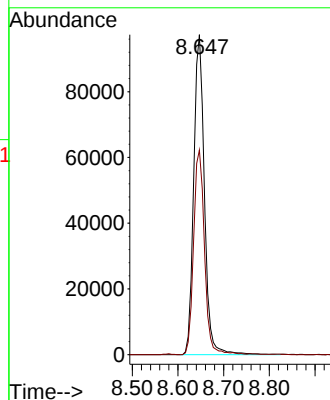
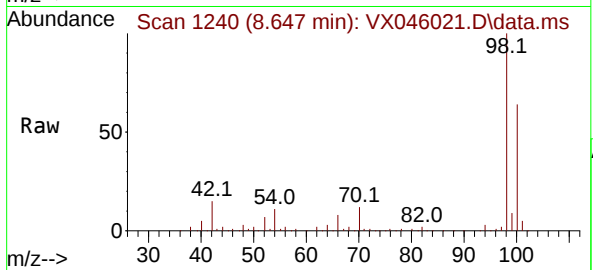




#50
Toluene-d8
Concen: 50.691 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

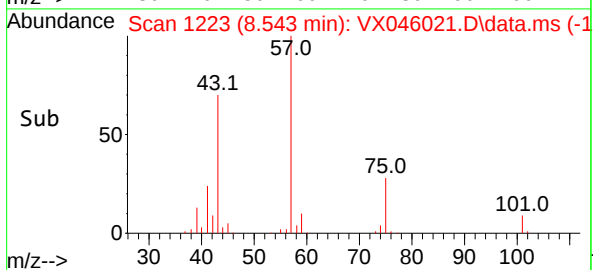
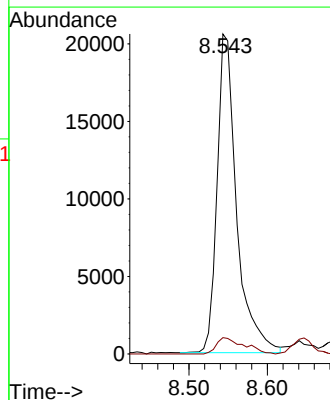
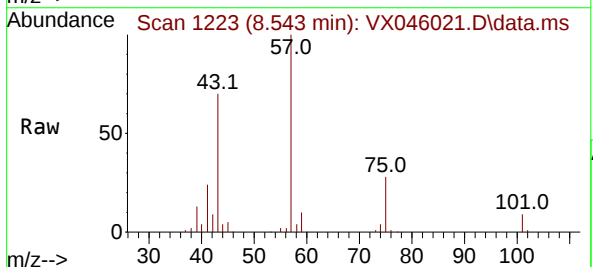
Instrument :
MSVOA_X
ClientSampleId :
MH-R

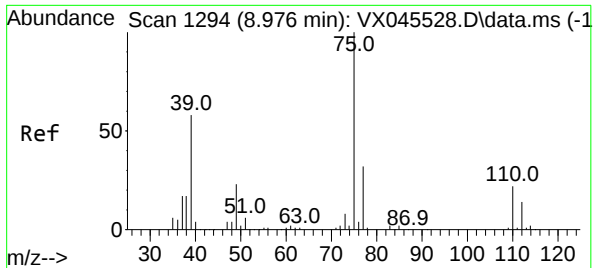
Tgt Ion: 98 Resp: 158215
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 23.359 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

Tgt Ion: 43 Resp: 35710
Ion Ratio Lower Upper
43 100
58 7.2 28.5 42.7#

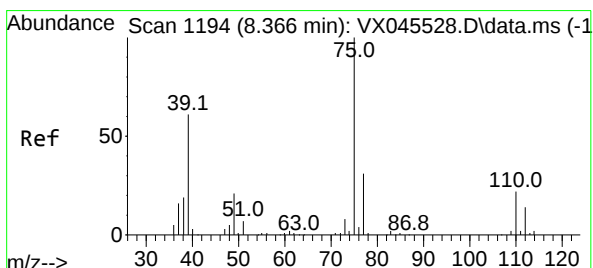
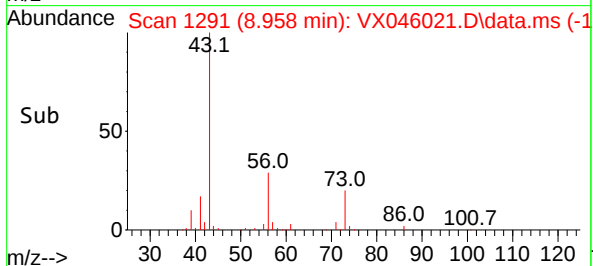
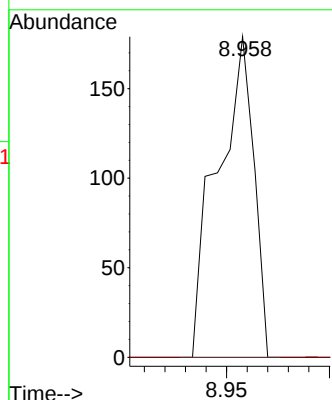
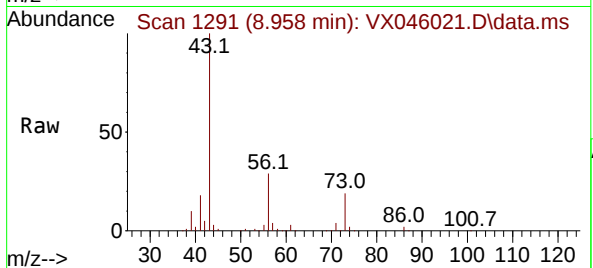




#53
 t-1,3-Dichloropropene
 Concen: 2.445 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX046021.D
 Acq: 02 May 2025 12:41

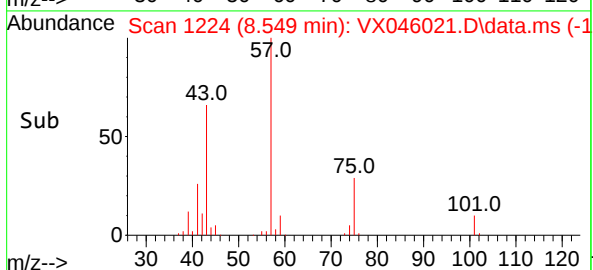
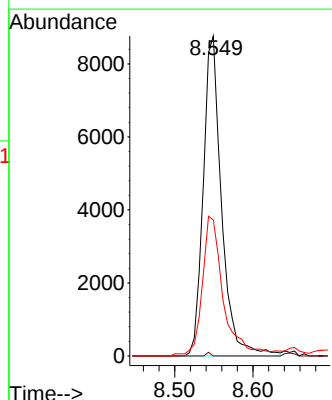
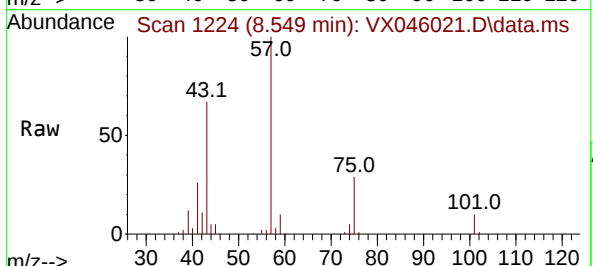
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-R

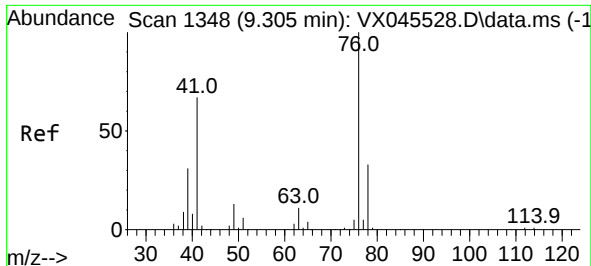
Tgt Ion: 75 Resp: 221
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.720 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX046021.D
 Acq: 02 May 2025 12:41

Tgt Ion: 75 Resp: 14209
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 41.9 48.4 72.6#

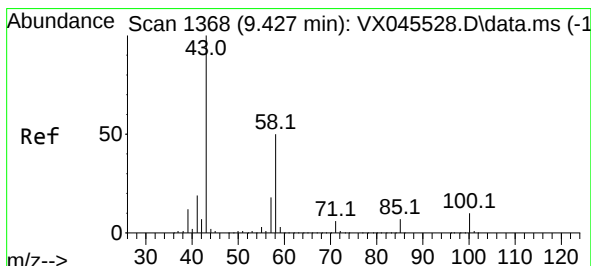
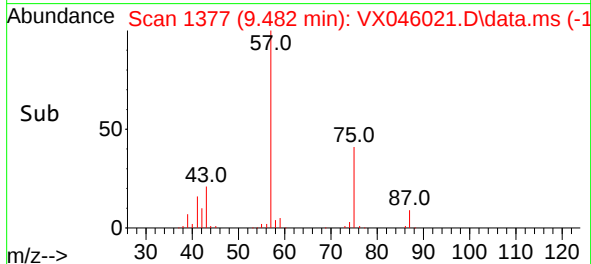
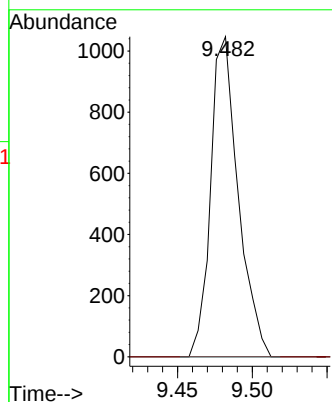
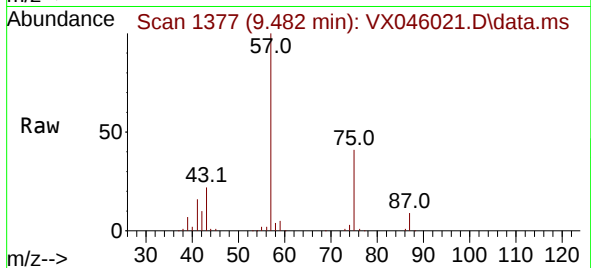




#57
1,3-Dichloropropane
Concen: 0.866 ug/l
RT: 9.482 min Scan# 1341
Delta R.T. 0.177 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

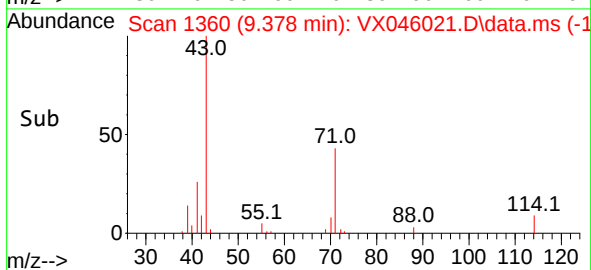
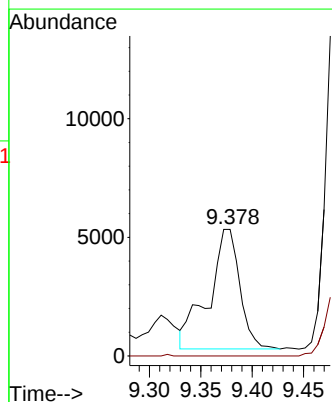
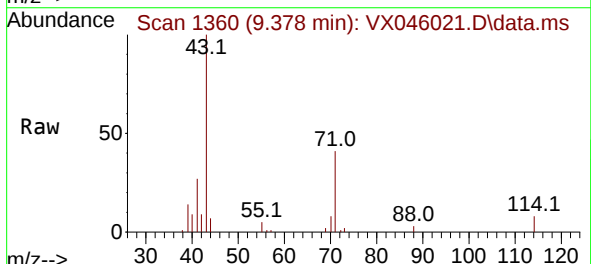
Instrument :
MSVOA_X
ClientSampleId :
MH-R

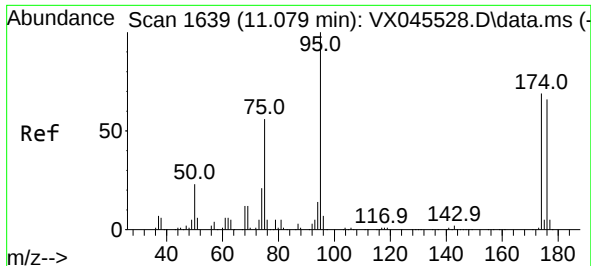
Tgt Ion: 76 Resp: 1341
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 9.386 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX046021.D
Acq: 02 May 2025 12:41

Tgt Ion: 43 Resp: 10626
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 54.314 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046021.D

Acq: 02 May 2025 12:41

Instrument :

MSVOA_X

ClientSampleId :

MH-R

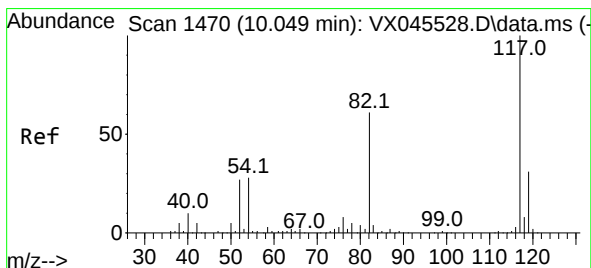
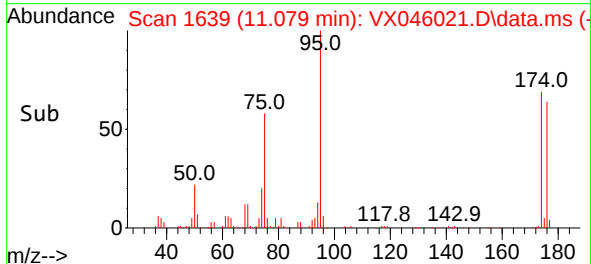
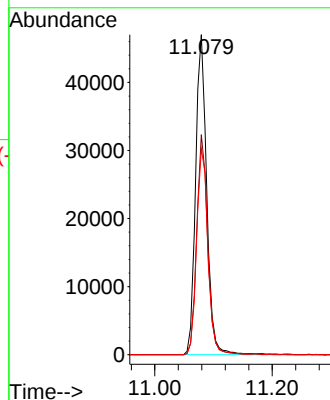
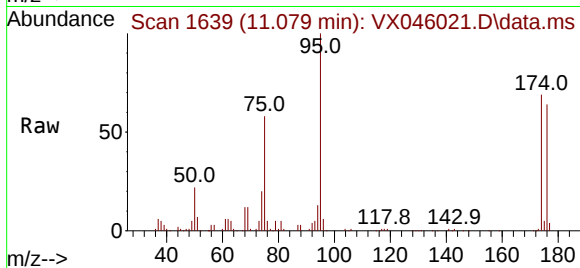
Tgt Ion: 95 Resp: 61749

Ion Ratio Lower Upper

95 100

174 67.7 0.0 135.8

176 65.1 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: VX046021.D

Acq: 02 May 2025 12:41

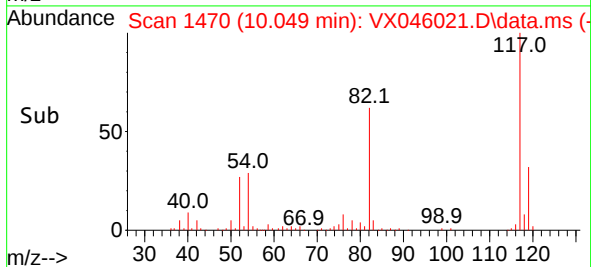
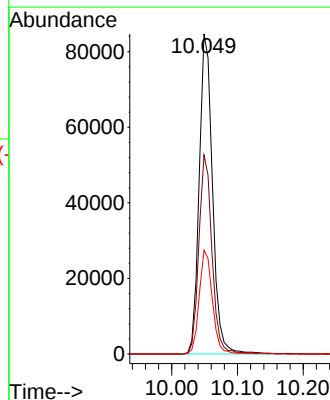
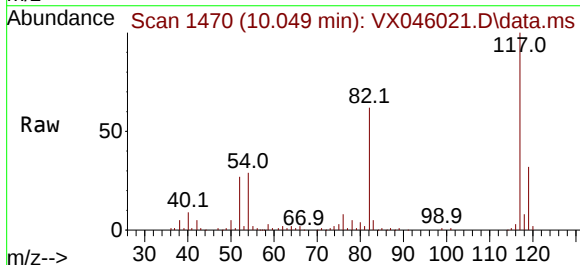
Tgt Ion: 117 Resp: 119212

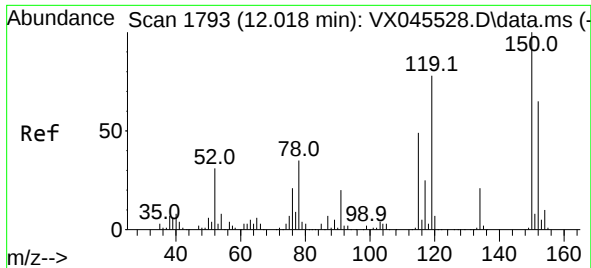
Ion Ratio Lower Upper

117 100

82 62.2 49.2 73.8

119 32.4 25.1 37.7

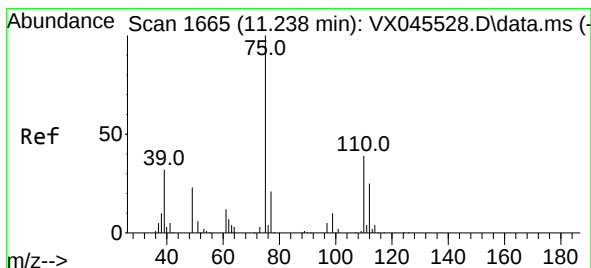
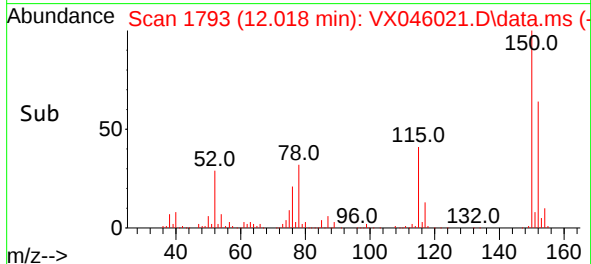
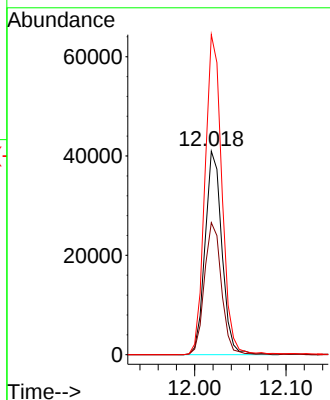
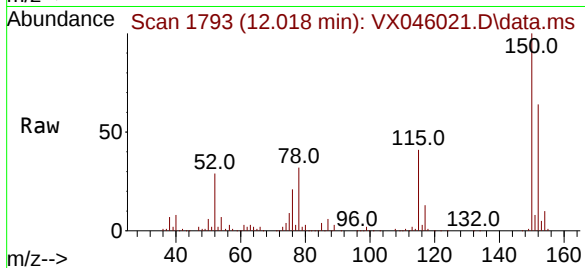




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX046021.D
 Acq: 02 May 2025 12:41

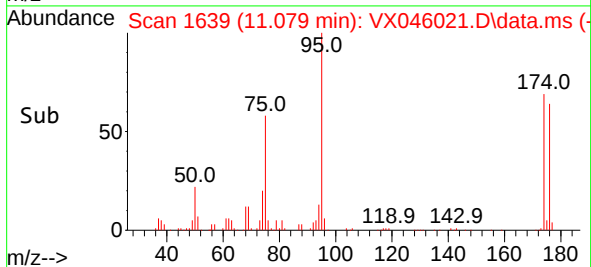
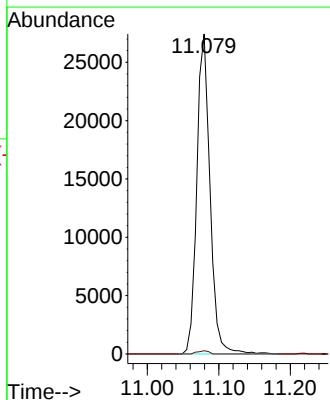
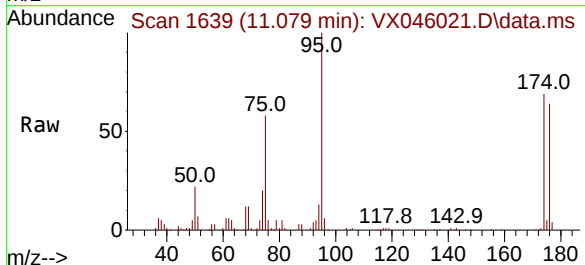
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-R

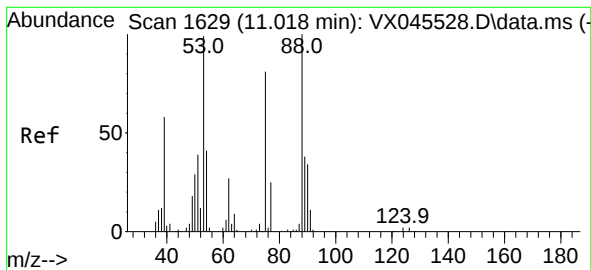
Tgt Ion:152 Resp: 52343
 Ion Ratio Lower Upper
 152 100
 115 65.5 46.9 140.7
 150 157.9 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 27.530 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX046021.D
 Acq: 02 May 2025 12:41

Tgt Ion: 75 Resp: 35150
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.435 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046021.D
 Acq: 02 May 2025 12:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-R

Tgt Ion: 75 Resp: 35150
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

