

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046022.D
 Acq On : 02 May 2025 13:04
 Operator : JC/MD
 Sample : Q1922-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-S

Quant Time: May 02 23:14:16 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

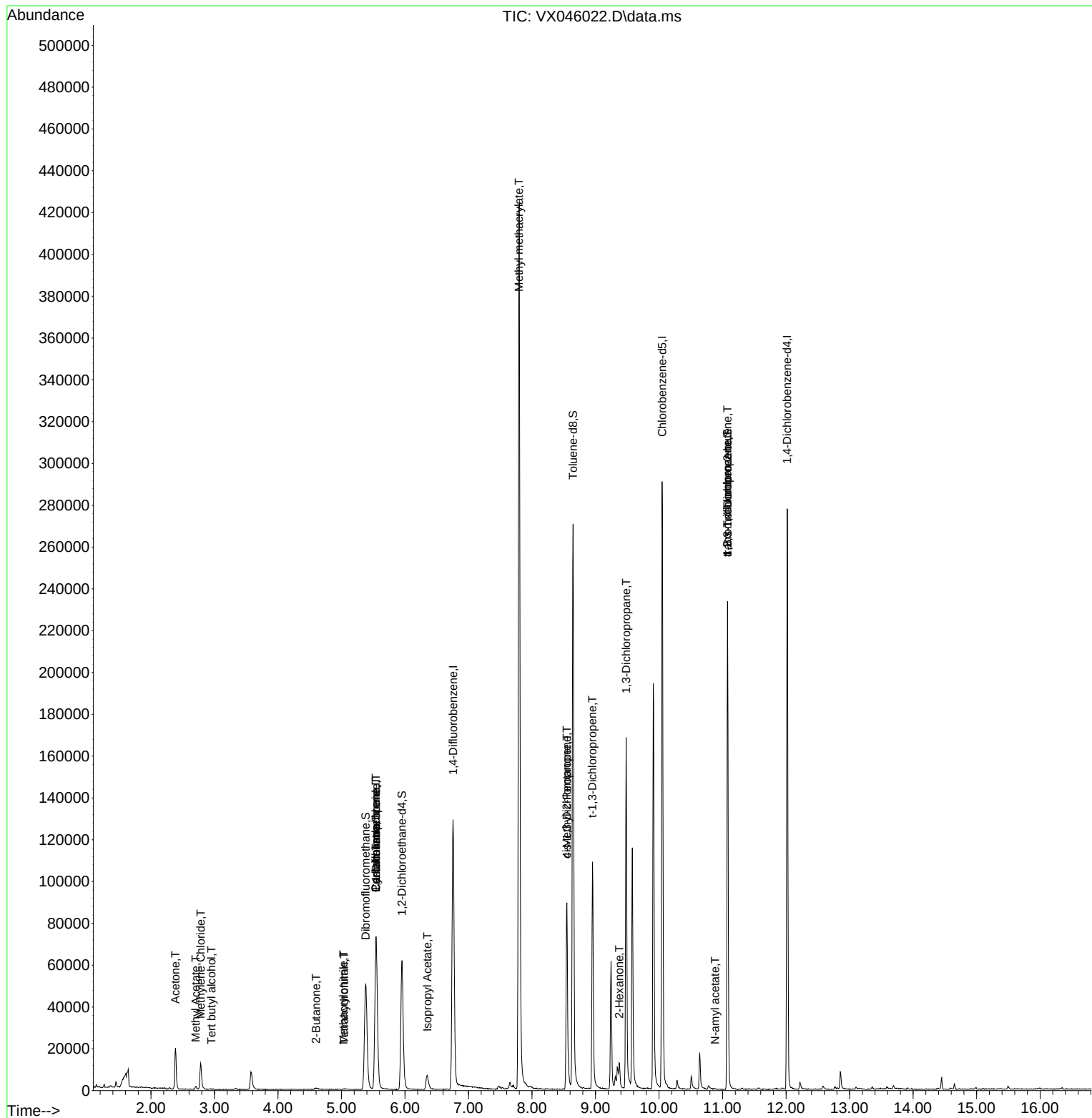
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	60855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123088	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61817	55.547	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.100%	
35) Dibromofluoromethane	5.379	113	44501	50.957	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.920%	
50) Toluene-d8	8.647	98	154764	50.772	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	101.540%	
62) 4-Bromofluorobenzene	11.079	95	60811	54.770	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	109.540%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	52	0.348	ug/l #	72
16) Acetone	2.386	43	22070	48.295	ug/l	96
18) Methyl Acetate	2.703	43	2054	1.952	ug/l	100
20) Methylene Chloride	2.782	84	5691	6.652	ug/l	96
25) 2-Butanone	4.599	43	1747	2.612	ug/l	100
29) Tetrahydrofuran	5.044	42	279	0.643	ug/l #	44
31) Cyclohexane	5.544	56	1816	1.330	ug/l #	30
36) 1,1-Dichloropropene	5.544	75	6191	5.250	ug/l #	47
38) Carbon Tetrachloride	5.544	117	7319	5.743	ug/l #	16
41) Methacrylonitrile	5.032	41	177	0.226	ug/l #	30
43) Isopropyl Acetate	6.355	43	10310	4.578	ug/l	99
48) Methyl methacrylate	7.793	41	42824	36.827	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	36269	24.293	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	168	2.410	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13724	10.602	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	1352	0.894	ug/l #	42
59) 2-Hexanone	9.372	43	10755	9.728	ug/l #	28
74) N-amyl acetate	10.884	43	395	0.201	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35205	28.090	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35205	95.333	ug/l #	1

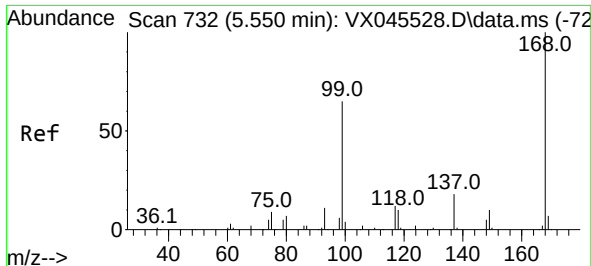
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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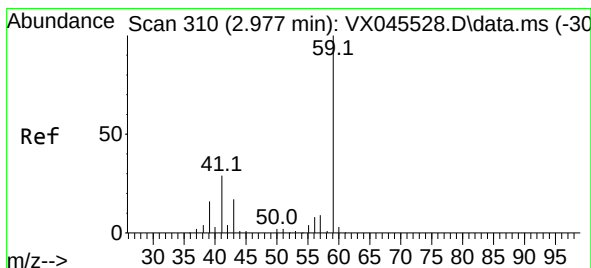
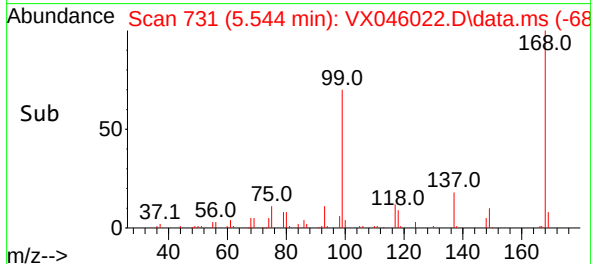
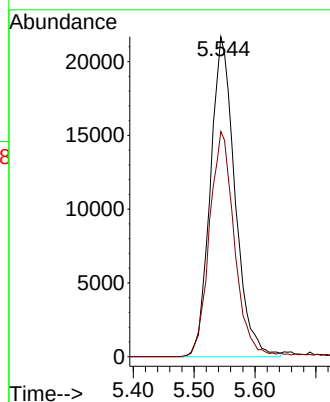
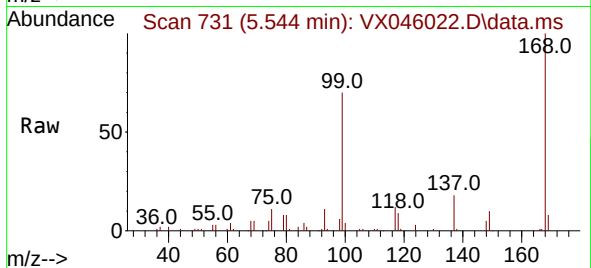




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

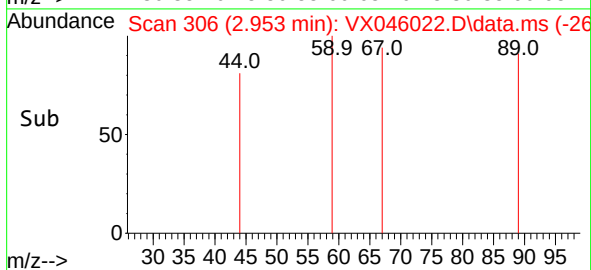
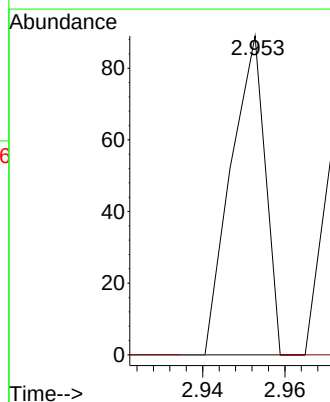
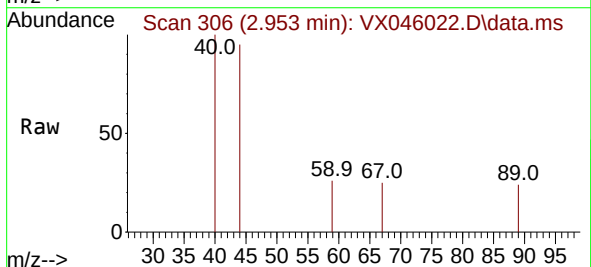
Instrument :
MSVOA_X
ClientSampleId :
MH-S

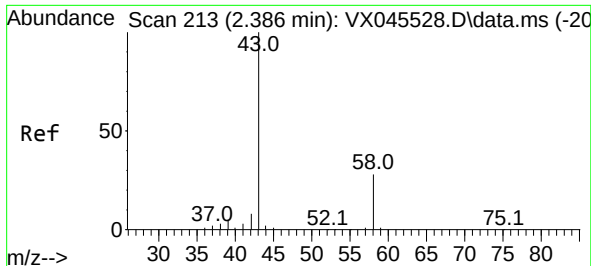
Tgt Ion:168 Resp: 60855
Ion Ratio Lower Upper
168 100
99 70.3 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.348 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

Tgt Ion: 59 Resp: 52
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

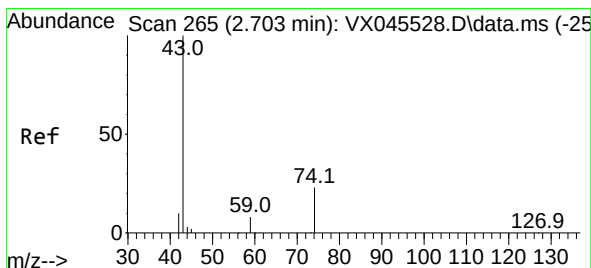
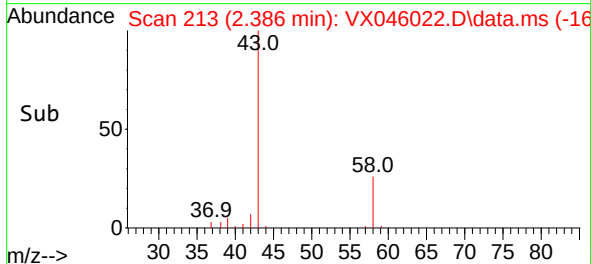
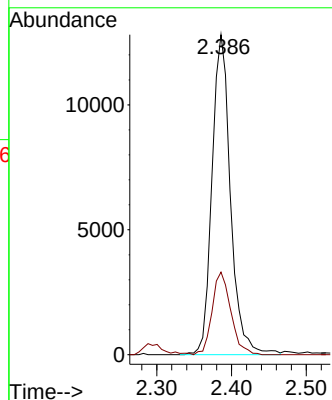
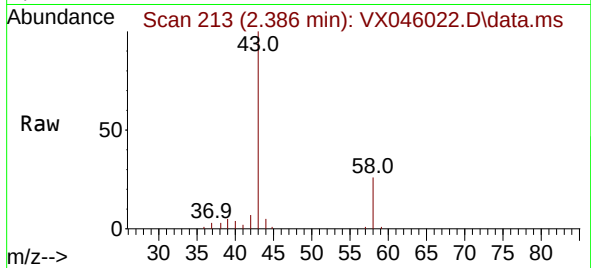




#16
Acetone
Concen: 48.295 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

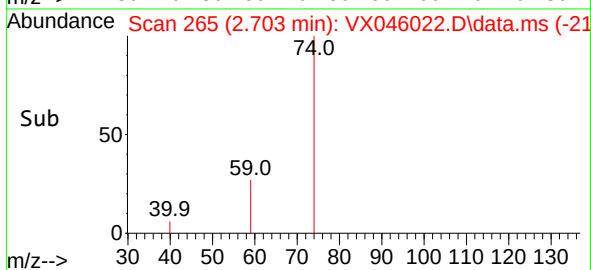
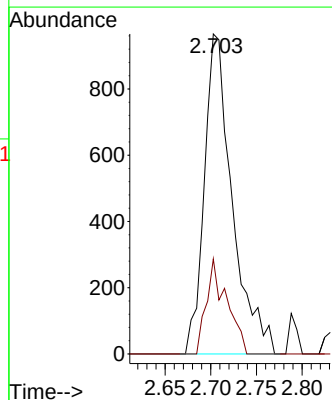
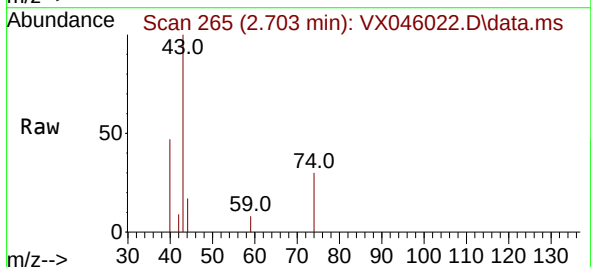
Instrument :
MSVOA_X
ClientSampleId :
MH-S

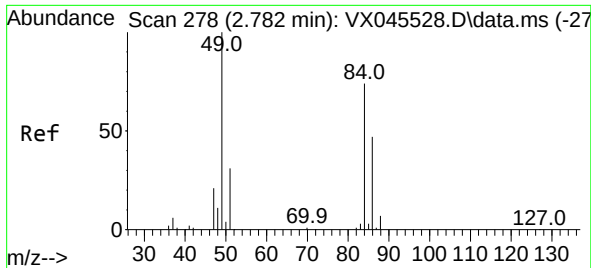
Tgt Ion: 43 Resp: 22070
Ion Ratio Lower Upper
43 100
58 25.8 22.3 33.5



#18
Methyl Acetate
Concen: 1.952 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

Tgt Ion: 43 Resp: 2054
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3

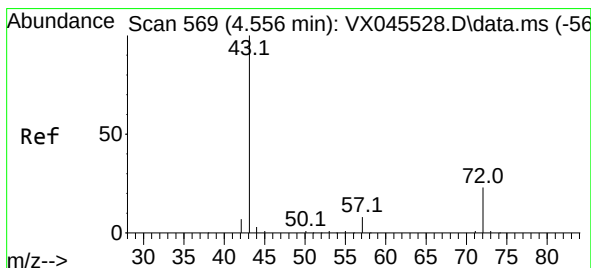
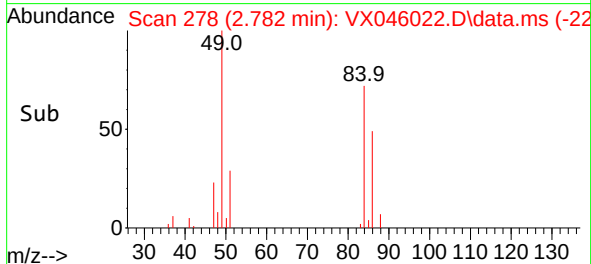
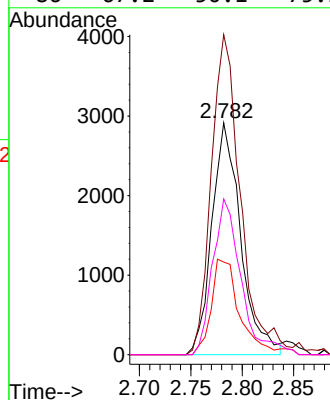
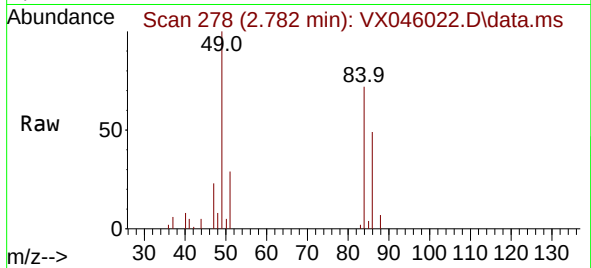




#20
Methylene Chloride
Concen: 6.652 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

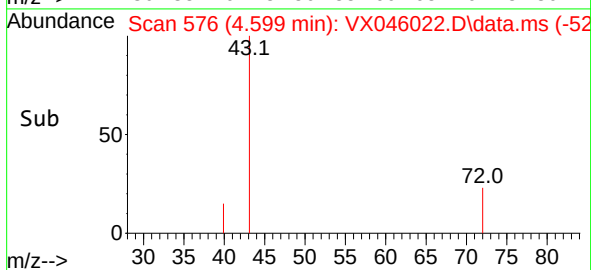
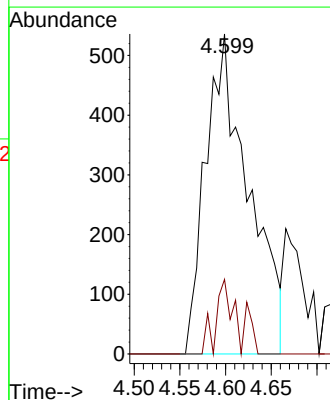
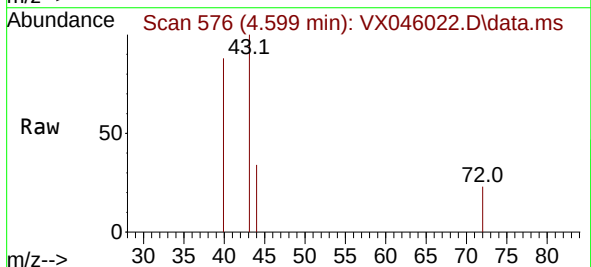
Instrument :
MSVOA_X
ClientSampleId :
MH-S

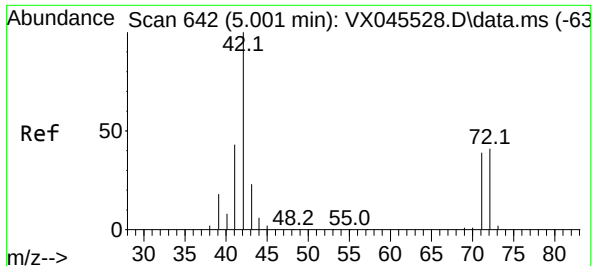
Tgt Ion:	84	Resp:	5691
Ion	Ratio	Lower	Upper
84	100		
49	138.1	107.5	161.3
51	40.0	33.0	49.6
86	67.2	50.1	75.1



#25
2-Butanone
Concen: 2.612 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

Tgt Ion:	43	Resp:	1747
Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.643 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX046022.D

Acq: 02 May 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

MH-S

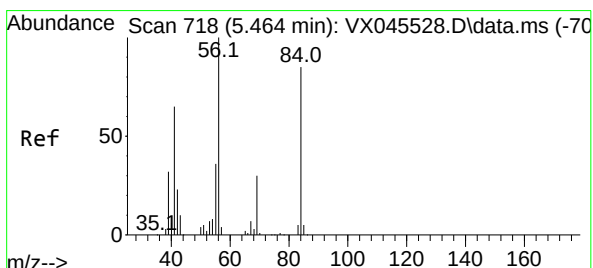
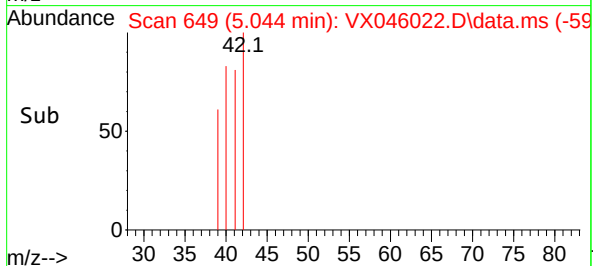
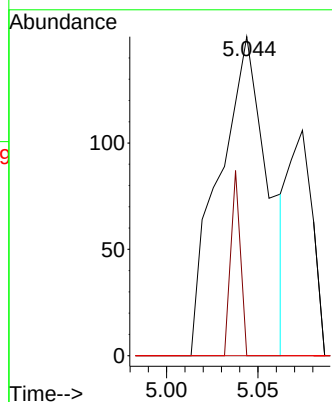
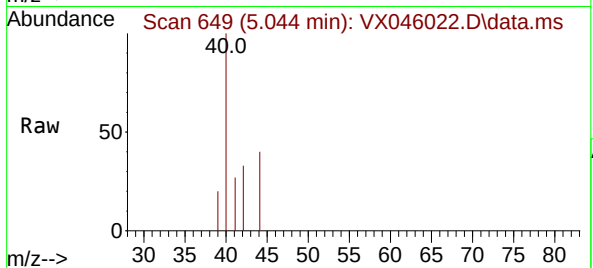
Tgt Ion: 42 Resp: 279

Ion Ratio Lower Upper

42 100

72 11.5 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.330 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046022.D

Acq: 02 May 2025 13:04

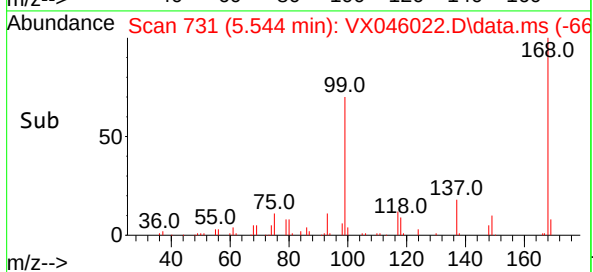
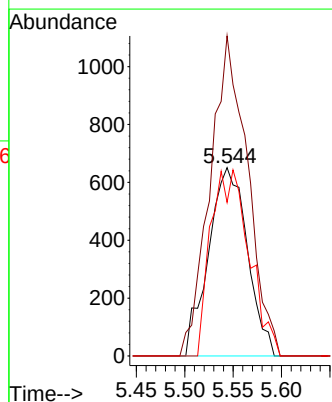
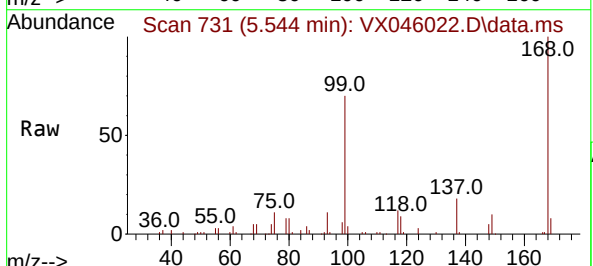
Tgt Ion: 56 Resp: 1816

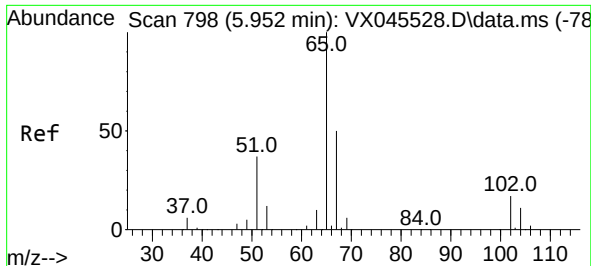
Ion Ratio Lower Upper

56 100

69 169.9 23.6 35.4#

84 81.6 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.547 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046022.D

Acq: 02 May 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

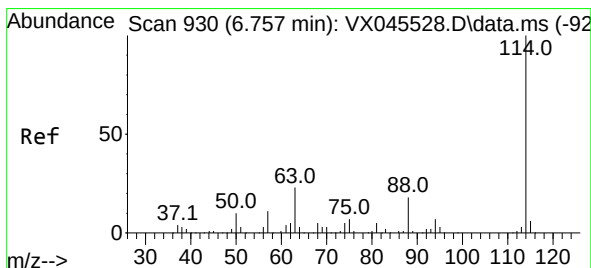
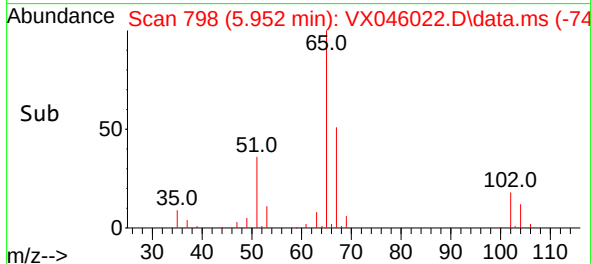
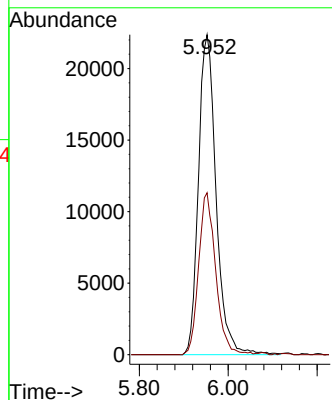
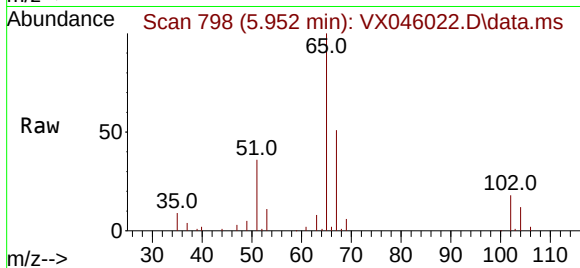
MH-S

Tgt Ion: 65 Resp: 61817

Ion Ratio Lower Upper

65 100

67 48.9 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: VX046022.D

Acq: 02 May 2025 13:04

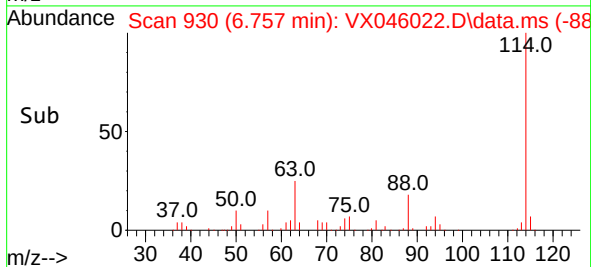
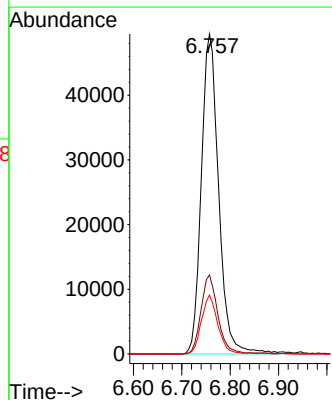
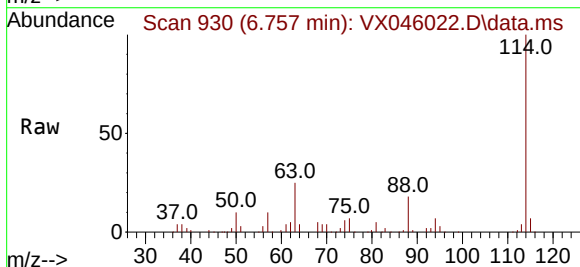
Tgt Ion: 114 Resp: 123088

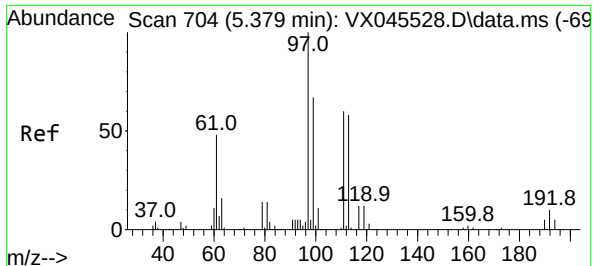
Ion Ratio Lower Upper

114 100

63 24.7 0.0 46.8

88 18.4 0.0 35.4

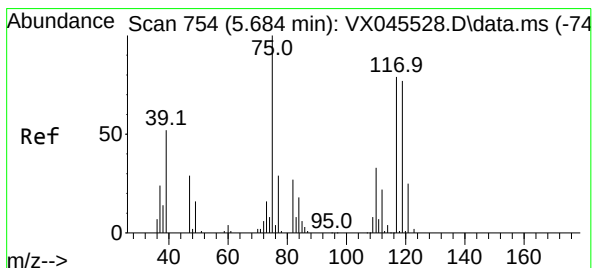
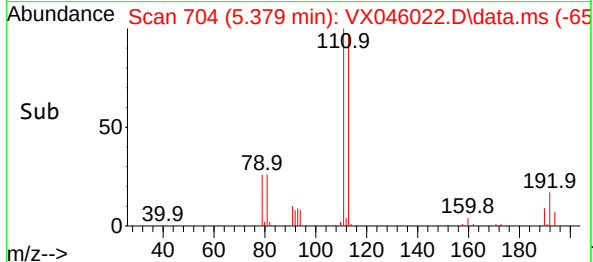
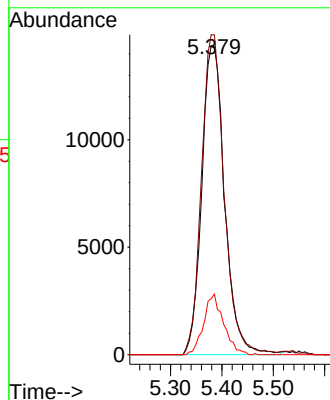
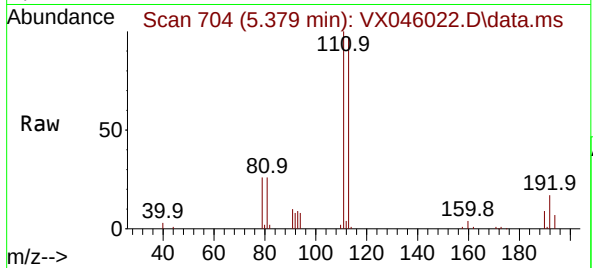




#35
Dibromofluoromethane
Concen: 50.957 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

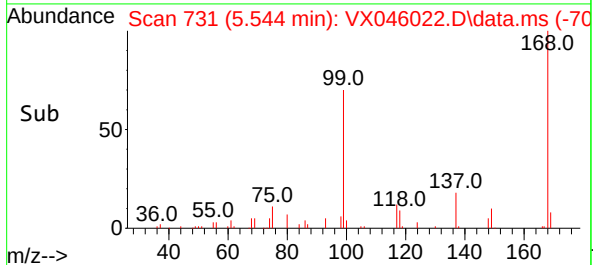
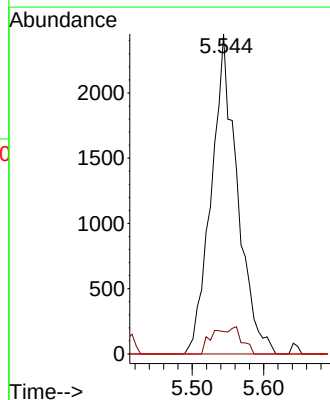
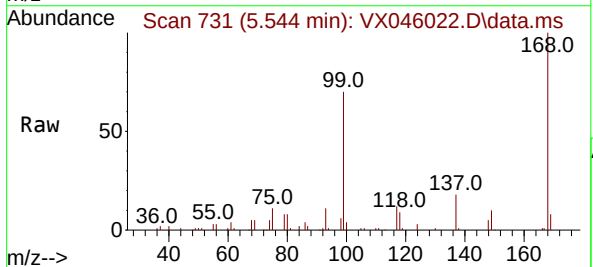
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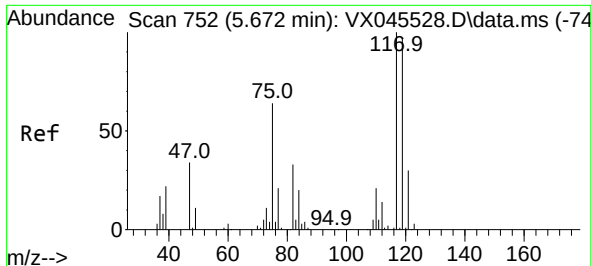
Tgt Ion:113 Resp: 44501
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 17.0 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.250 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

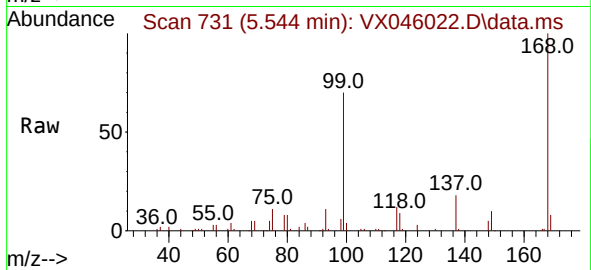
Tgt Ion: 75 Resp: 6191
Ion Ratio Lower Upper
75 100
110 5.5 16.9 50.6#
77 0.0 25.0 37.4#



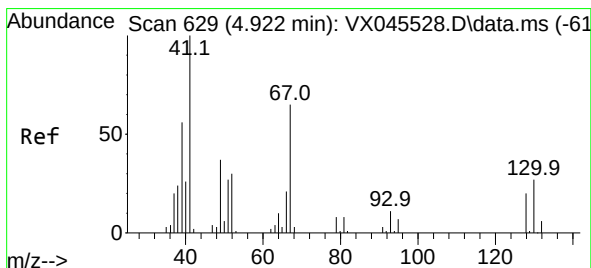
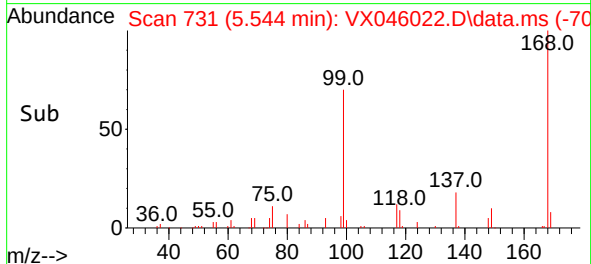
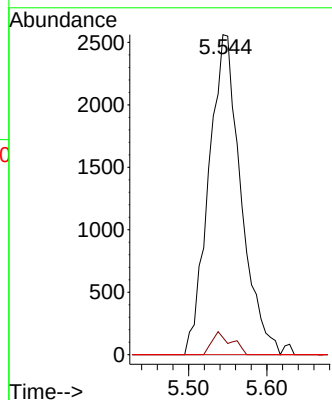


#38
Carbon Tetrachloride
Concen: 5.743 ug/l
RT: 5.544 min Scan# 719
Delta R.T. -0.128 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
MH-S

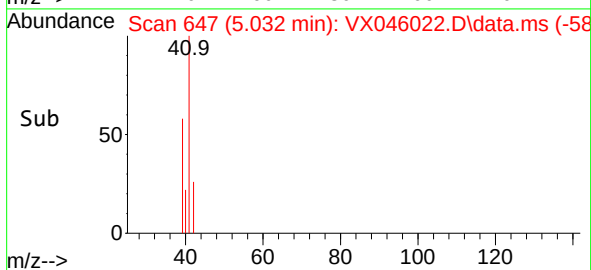
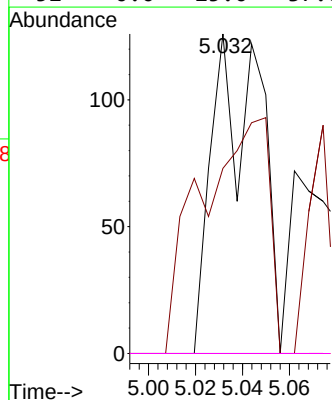
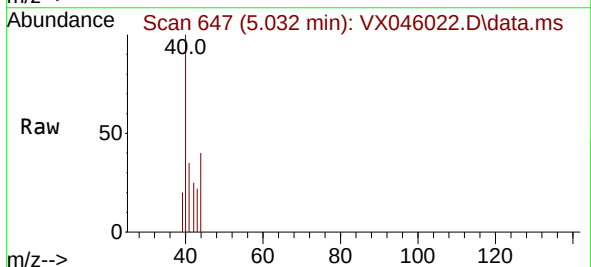


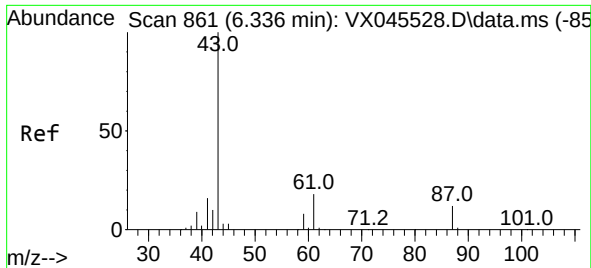
Tgt Ion:117 Resp: 7319
Ion Ratio Lower Upper
117 100
119 5.3 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.226 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

Tgt Ion: 41 Resp: 177
Ion Ratio Lower Upper
41 100
39 106.2 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

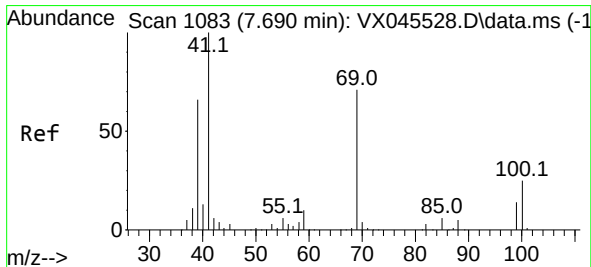
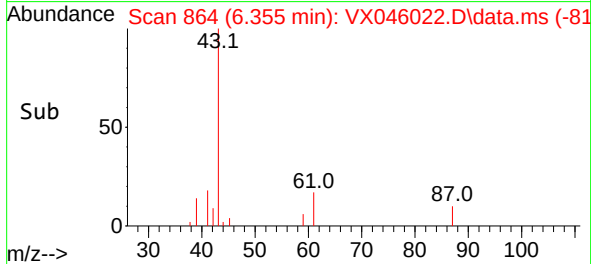
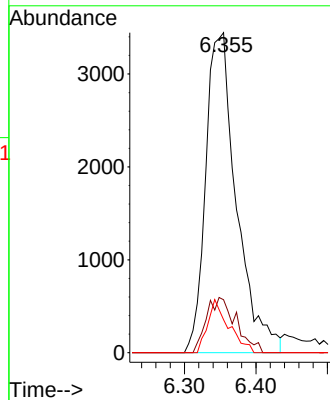
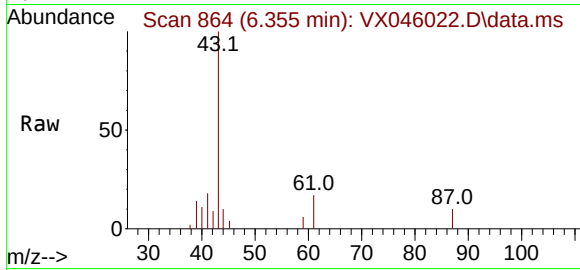




#43
Isopropyl Acetate
Concen: 4.578 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

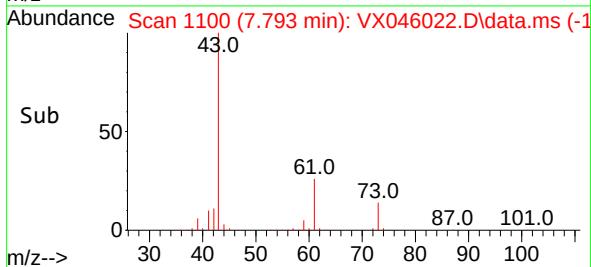
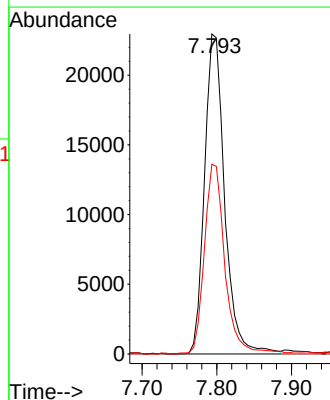
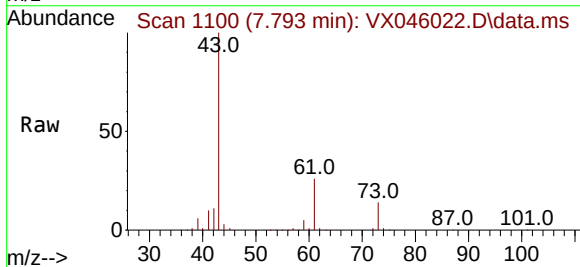
Instrument :
MSVOA_X
ClientSampleId :
MH-S

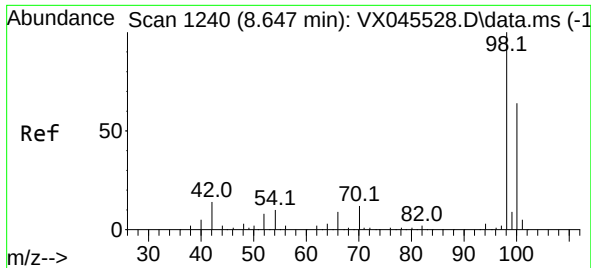
Tgt Ion: 43 Resp: 10310
Ion Ratio Lower Upper
43 100
61 16.7 14.1 21.1
87 11.4 9.2 13.8



#48
Methyl methacrylate
Concen: 36.827 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

Tgt Ion: 41 Resp: 42824
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 60.6 53.6 80.4

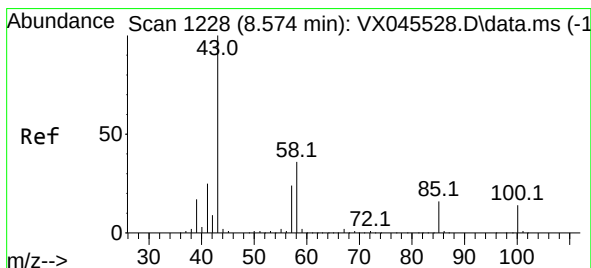
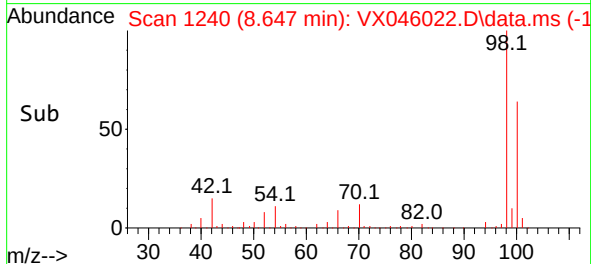
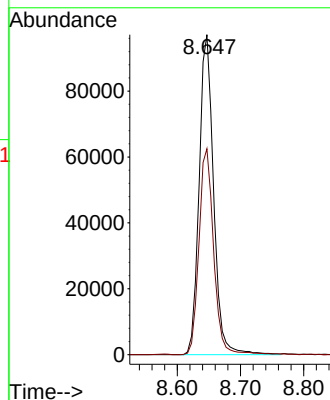
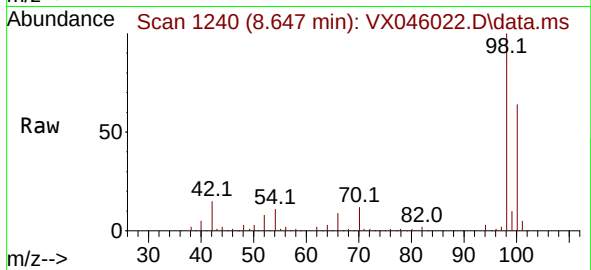




#50
Toluene-d8
Concen: 50.772 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

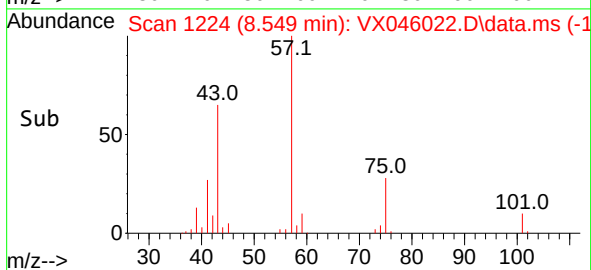
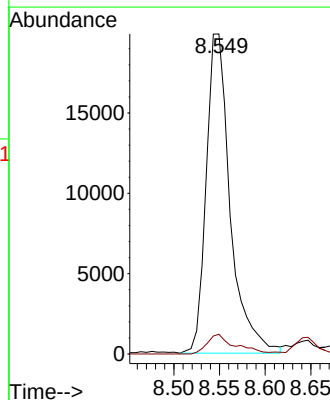
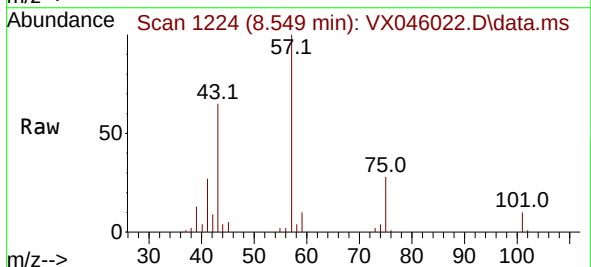
Instrument :
MSVOA_X
ClientSampleId :
MH-S

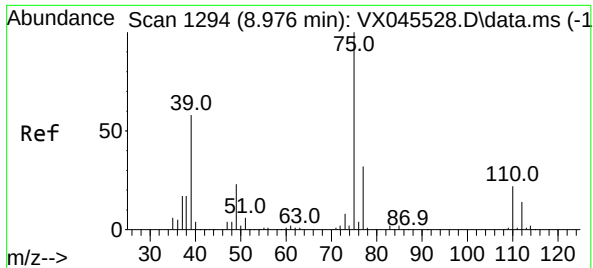
Tgt Ion: 98 Resp: 154764
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 24.293 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

Tgt Ion: 43 Resp: 36269
Ion Ratio Lower Upper
43 100
58 7.4 28.5 42.7#

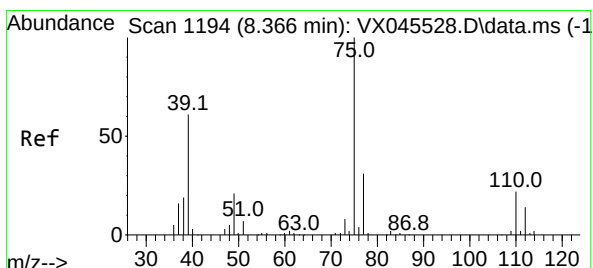
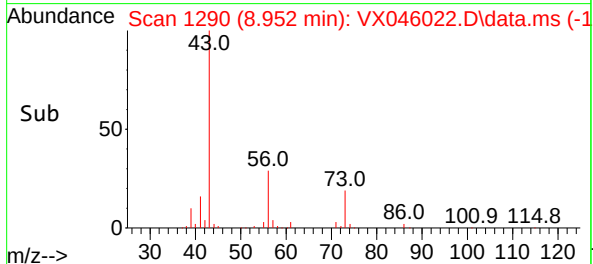
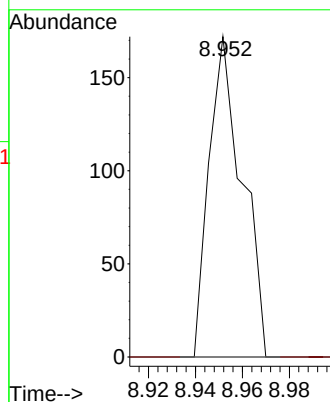
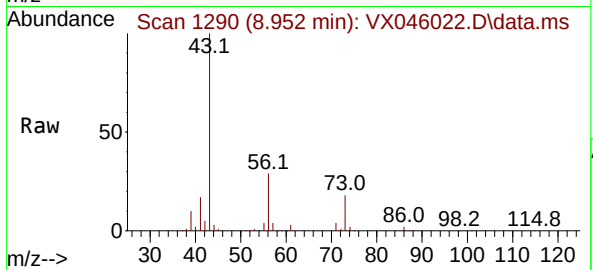




#53
 t-1,3-Dichloropropene
 Concen: 2.410 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX046022.D
 Acq: 02 May 2025 13:04

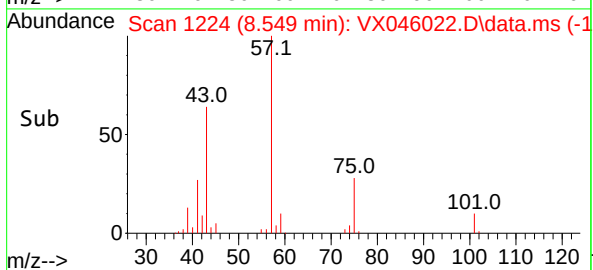
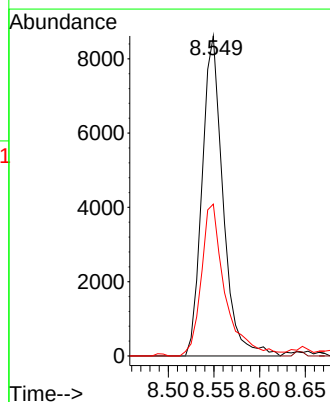
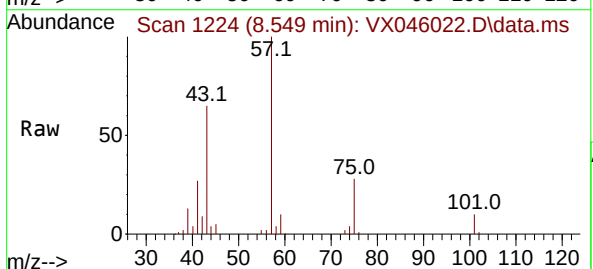
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-S

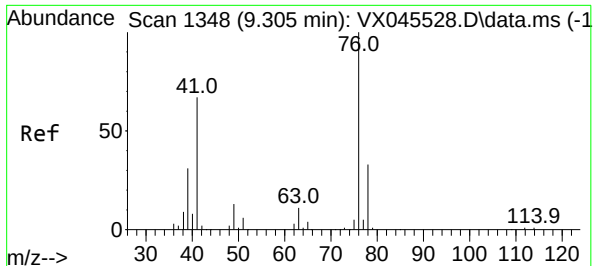
Tgt Ion: 75 Resp: 168
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.602 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX046022.D
 Acq: 02 May 2025 13:04

Tgt Ion: 75 Resp: 13724
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 47.4 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.894 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046022.D

Acq: 02 May 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

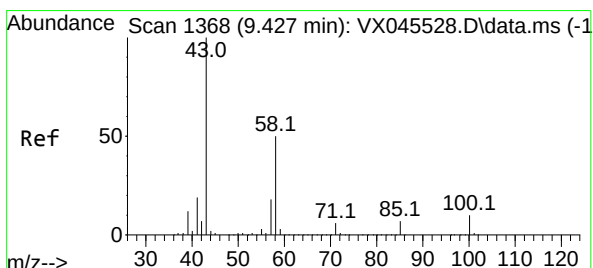
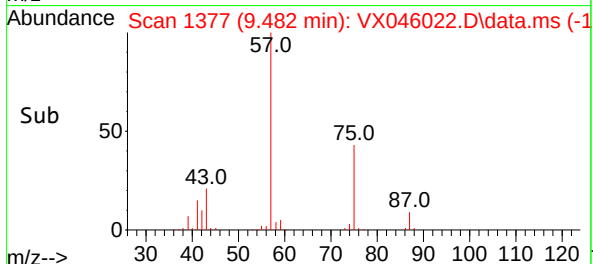
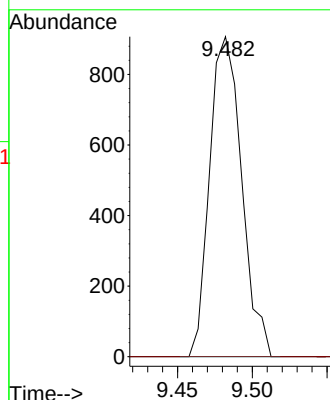
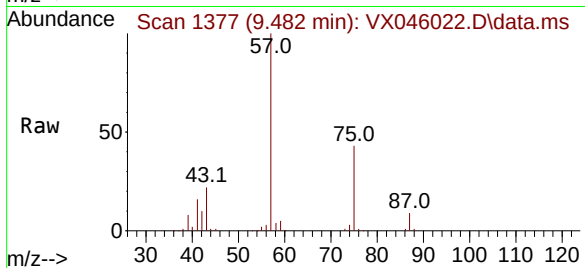
MH-S

Tgt Ion: 76 Resp: 1352

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 9.728 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX046022.D

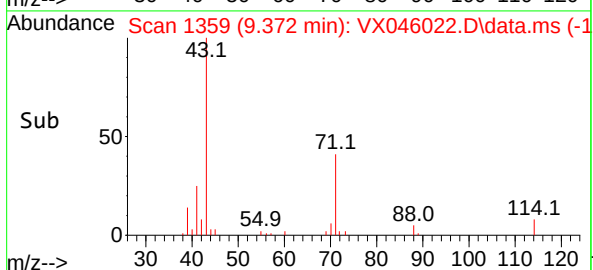
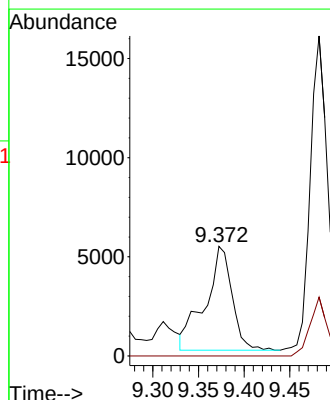
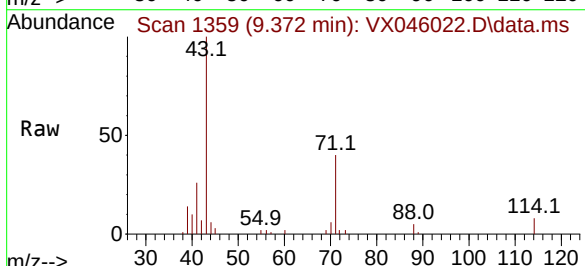
Acq: 02 May 2025 13:04

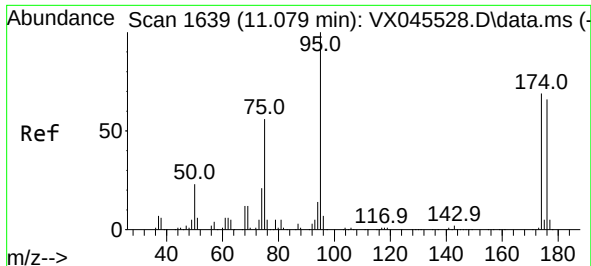
Tgt Ion: 43 Resp: 10755

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 54.770 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046022.D

Acq: 02 May 2025 13:04

Instrument :

MSVOA_X

ClientSampleId :

MH-S

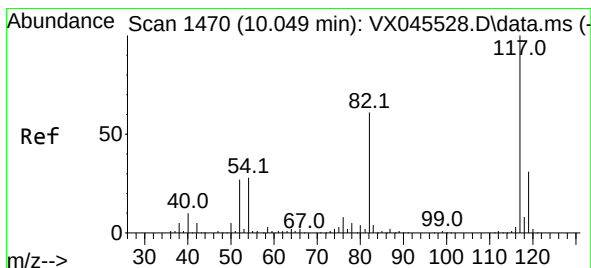
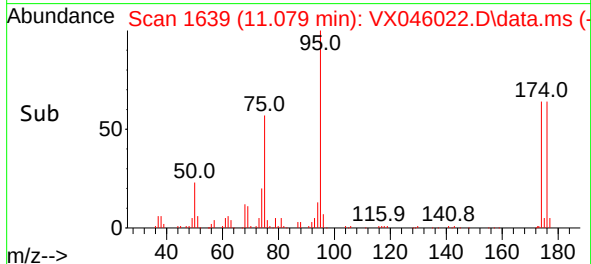
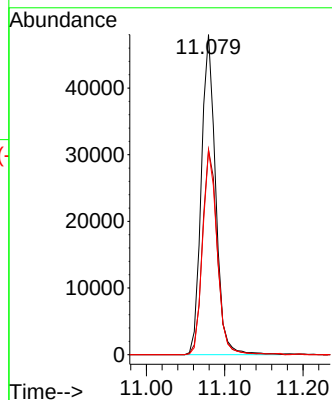
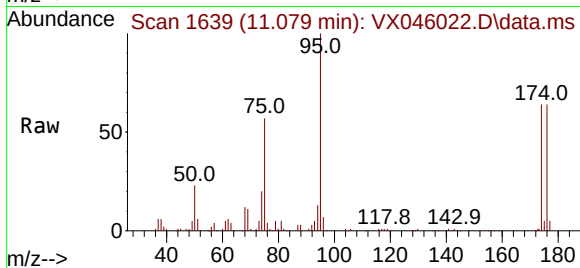
Tgt Ion: 95 Resp: 60811

Ion Ratio Lower Upper

95 100

174 66.3 0.0 135.8

176 64.9 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: VX046022.D

Acq: 02 May 2025 13:04

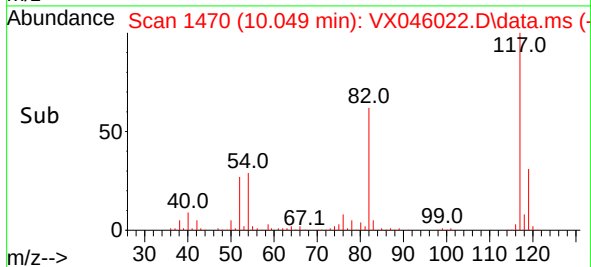
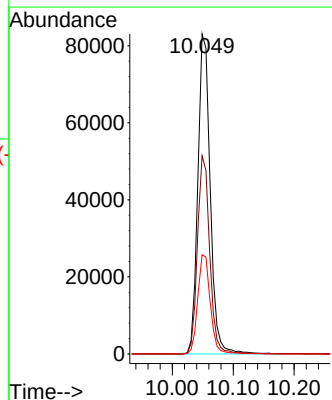
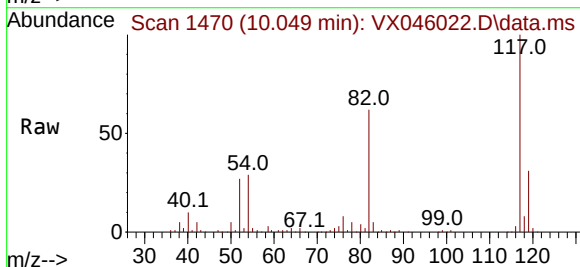
Tgt Ion: 117 Resp: 117145

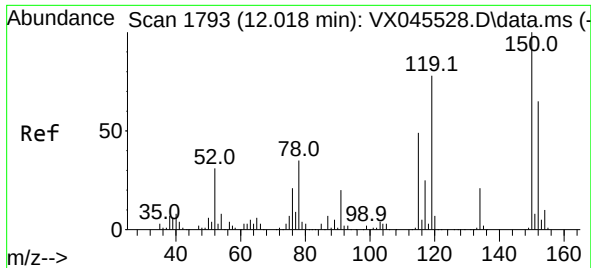
Ion Ratio Lower Upper

117 100

82 62.0 49.2 73.8

119 31.0 25.1 37.7

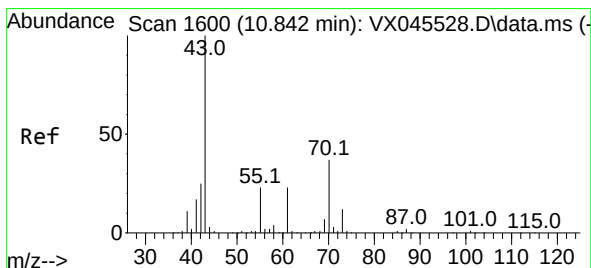
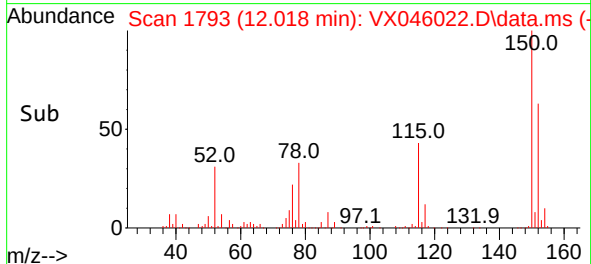
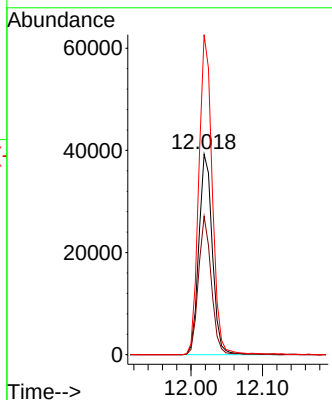
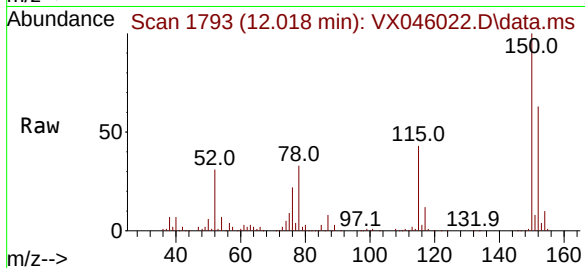




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046022.D
 Acq: 02 May 2025 13:04

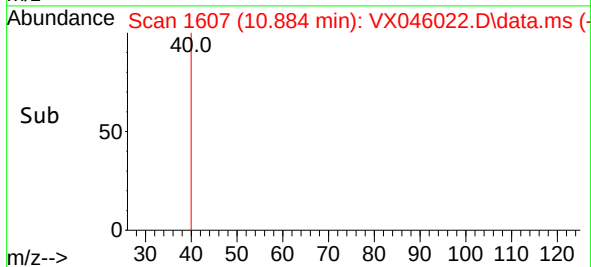
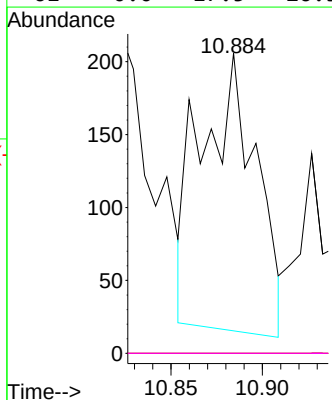
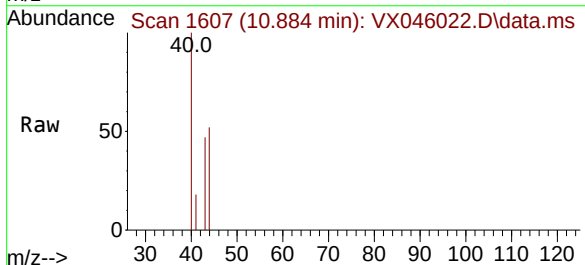
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-S

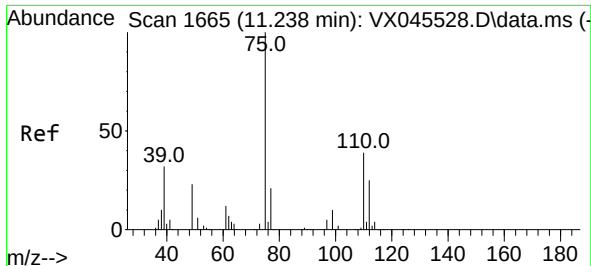
Tgt Ion:152 Resp: 51381
 Ion Ratio Lower Upper
 152 100
 115 65.9 46.9 140.7
 150 158.6 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.201 ug/l
 RT: 10.884 min Scan# 1607
 Delta R.T. 0.043 min
 Lab File: VX046022.D
 Acq: 02 May 2025 13:04

Tgt Ion: 43 Resp: 395
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 0.0 18.3 27.5#
 61 0.0 17.5 26.3#

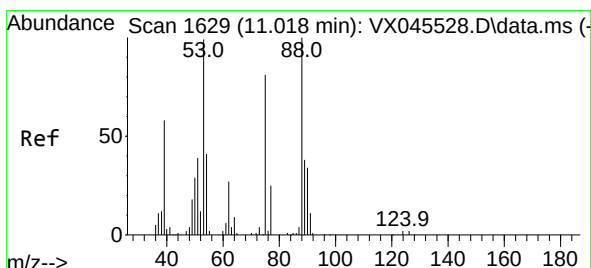
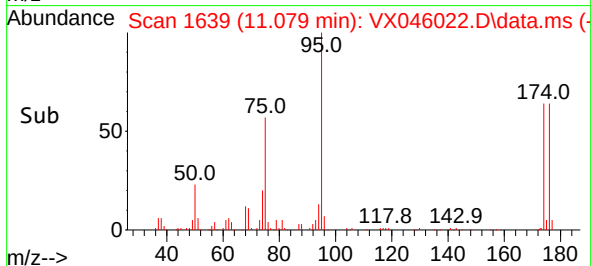
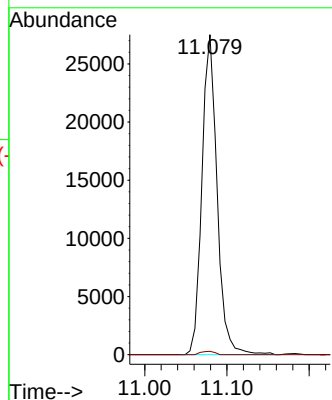
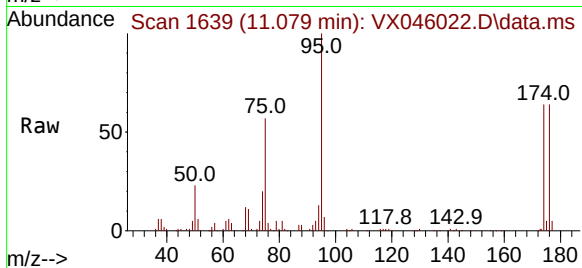




#76
1,2,3-Trichloropropane
Concen: 28.090 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

Instrument :
MSVOA_X
ClientSampleId :
MH-S

Tgt Ion: 75 Resp: 35205
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.333 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046022.D
Acq: 02 May 2025 13:04

Tgt Ion: 75 Resp: 35205
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

