

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX046005.D
 Acq On : 30 Apr 2025 18:00
 Operator : JC/MD
 Sample : Q1912-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-F

Quant Time: May 01 03:39:07 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)

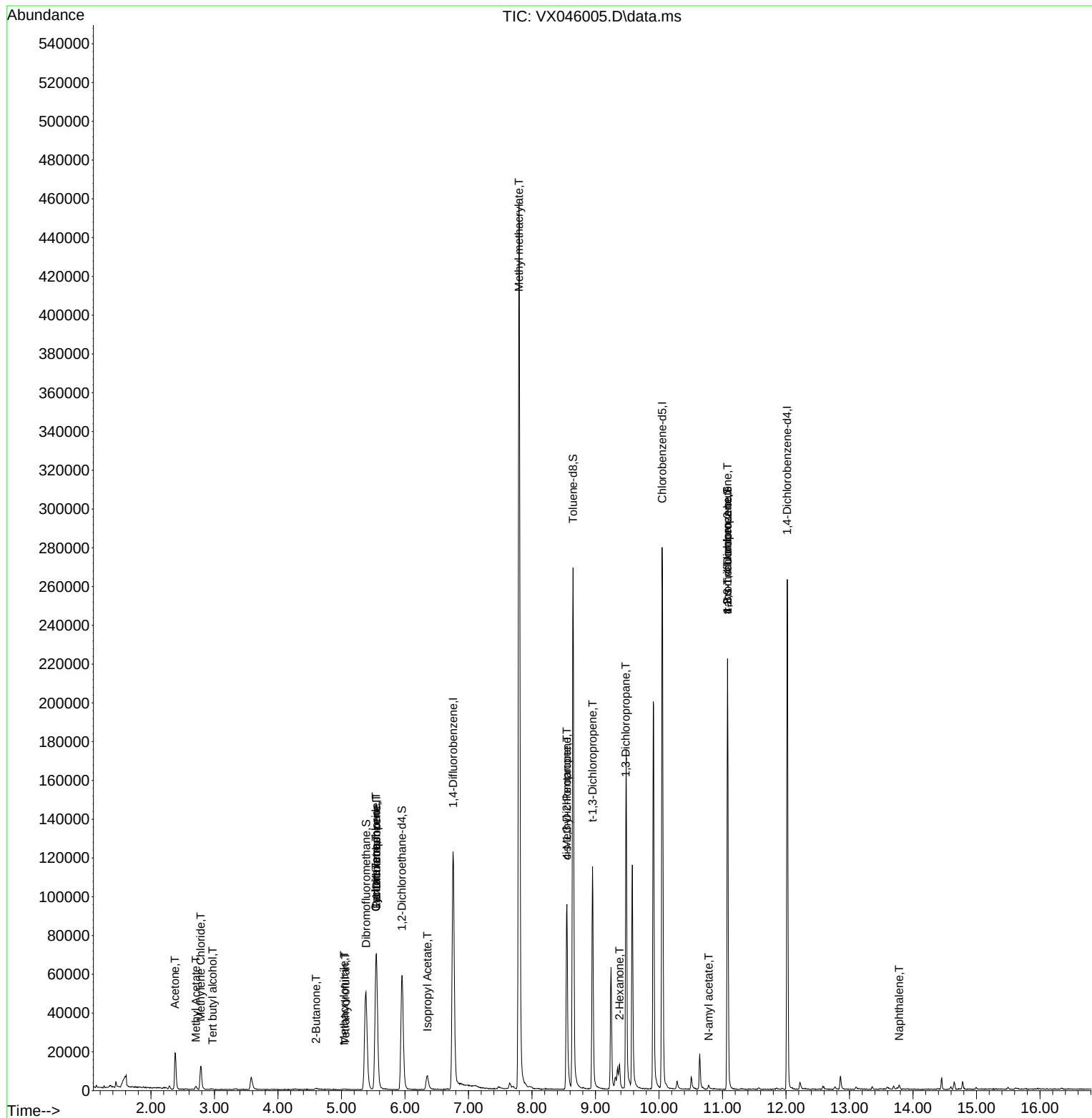
Internal Standards						
1) Pentafluorobenzene	5.550	168	59918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	116959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61176	55.831	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.660%			
35) Dibromofluoromethane	5.385	113	43954	52.968	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.940%			
50) Toluene-d8	8.647	98	154165	53.226	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.460%			
62) 4-Bromofluorobenzene	11.079	95	56532	53.584	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.160%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	374	2.540	ug/l #	72
16) Acetone	2.380	43	21379	47.515	ug/l	94
18) Methyl Acetate	2.709	43	1965	1.897	ug/l	94
20) Methylene Chloride	2.782	84	5711	6.780	ug/l	89
25) 2-Butanone	4.599	43	1426	2.165	ug/l	91
29) Tetrahydrofuran	5.062	42	326	0.763	ug/l #	35
31) Cyclohexane	5.544	56	1803	1.341	ug/l #	50
36) 1,1-Dichloropropene	5.550	75	6218	5.550	ug/l #	47
38) Carbon Tetrachloride	5.544	117	7205	5.950	ug/l #	17
41) Methacrylonitrile	5.044	41	211	0.283	ug/l #	36
43) Isopropyl Acetate	6.355	43	11520	5.383	ug/l	99
48) Methyl methacrylate	7.793	41	45697	41.357	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	38840	27.378	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	251	2.479	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14451	11.749	ug/l #	66
57) 1,3-Dichloropropane	9.476	76	1372	0.955	ug/l #	42
59) 2-Hexanone	9.378	43	11242	10.701	ug/l #	28
74) N-amyl acetate	10.781	43	1631	0.862	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	33118	27.494	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33118	93.312	ug/l #	1
95) Naphthalene	13.780	128	1663	0.485	ug/l #	94

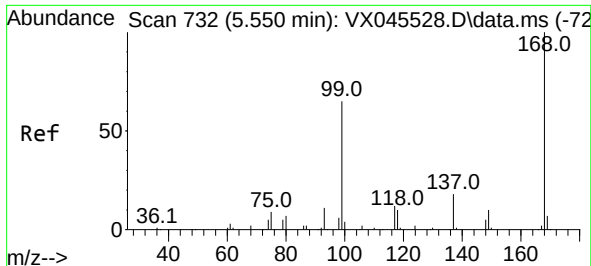
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

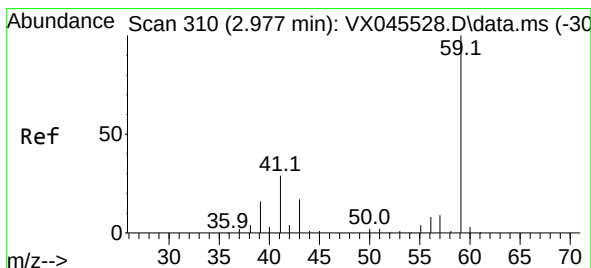
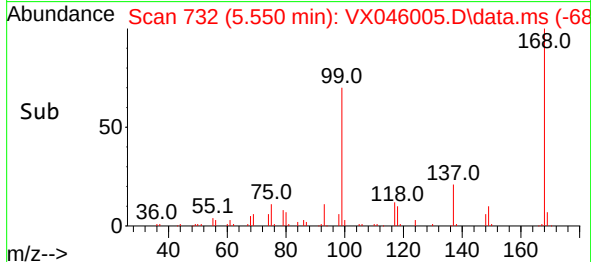
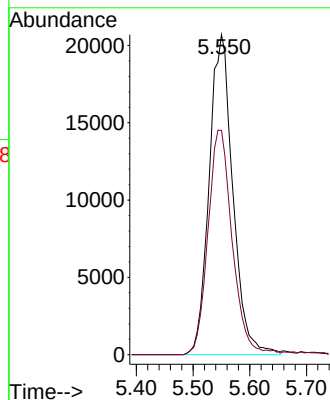
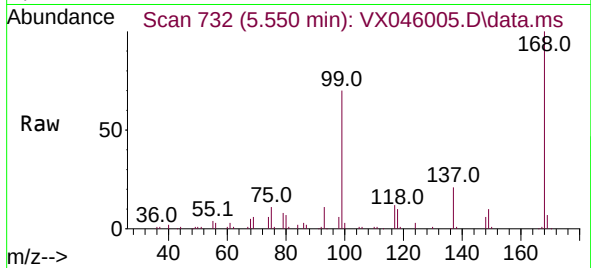




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

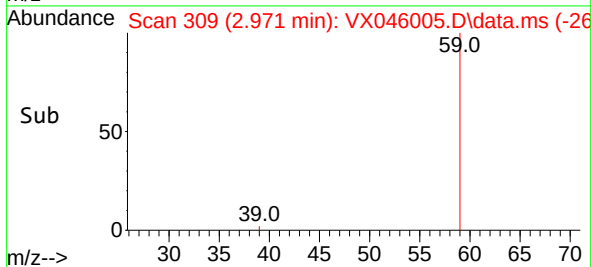
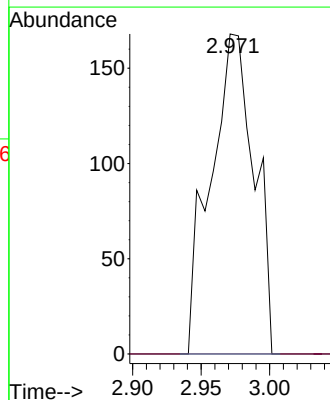
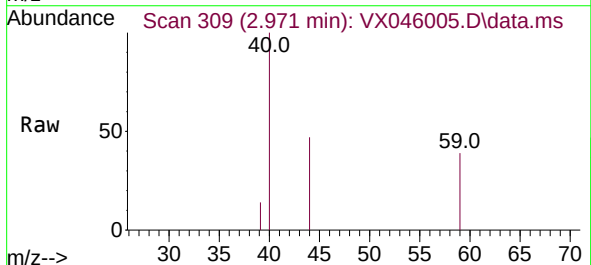
Instrument :
MSVOA_X
ClientSampleId :
MH-F

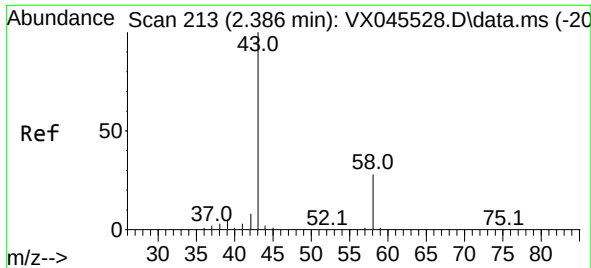
Tgt Ion:168 Resp: 59918
Ion Ratio Lower Upper
168 100
99 70.1 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.540 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

Tgt Ion: 59 Resp: 374
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

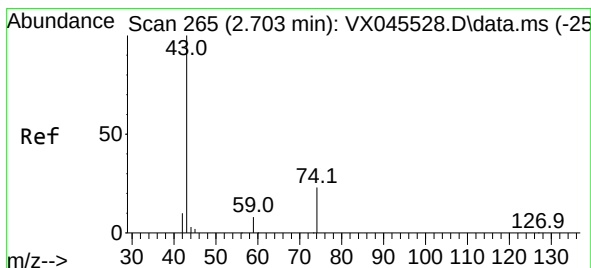
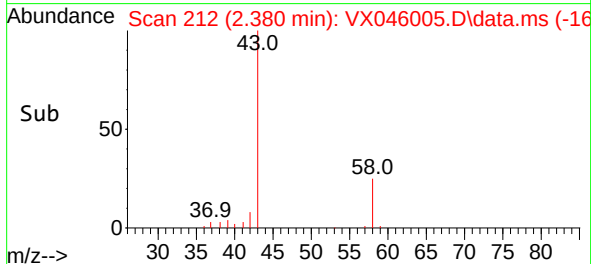
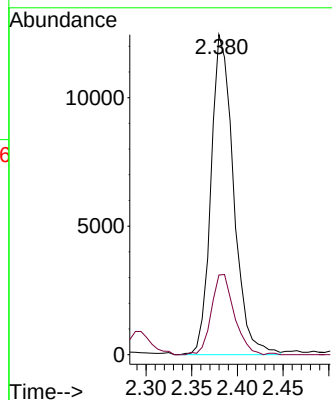
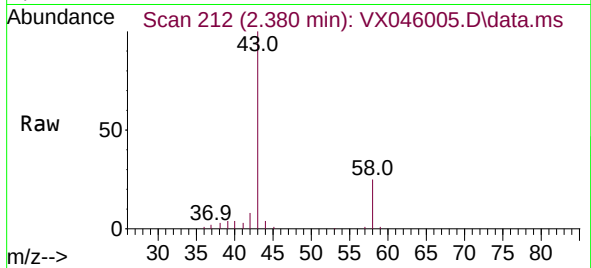




#16
Acetone
Concen: 47.515 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

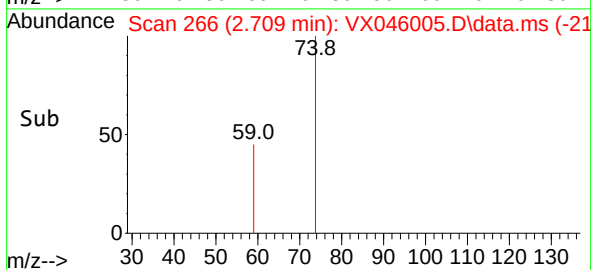
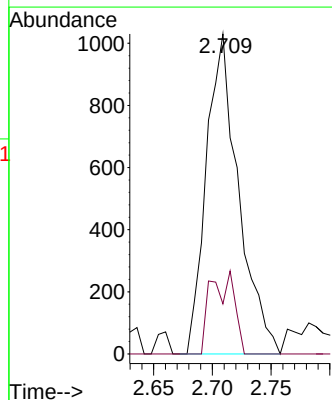
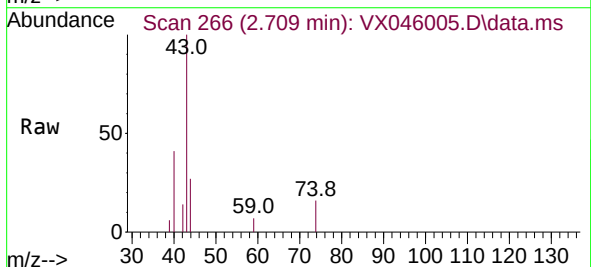
Instrument :
MSVOA_X
ClientSampleId :
MH-F

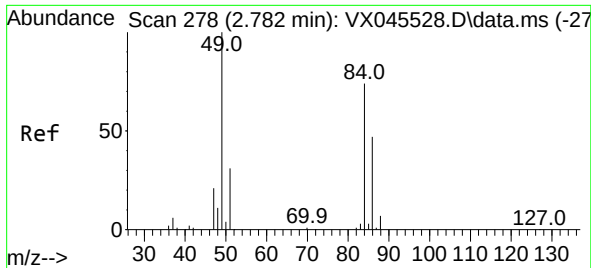
Tgt Ion: 43 Resp: 21379
Ion Ratio Lower Upper
43 100
58 24.9 22.3 33.5



#18
Methyl Acetate
Concen: 1.897 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

Tgt Ion: 43 Resp: 1965
Ion Ratio Lower Upper
43 100
74 19.0 17.5 26.3

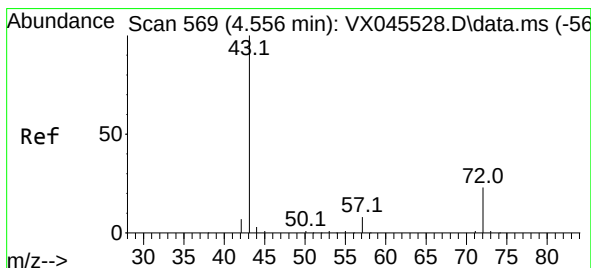
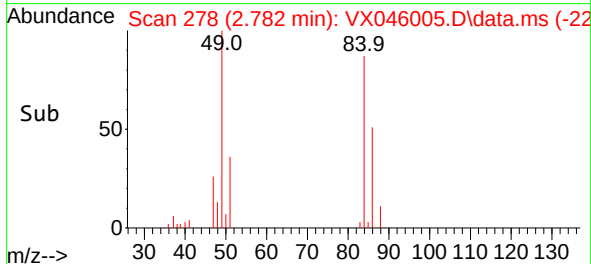
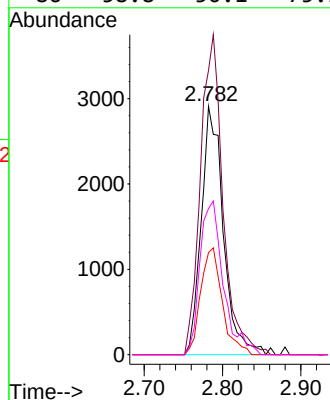
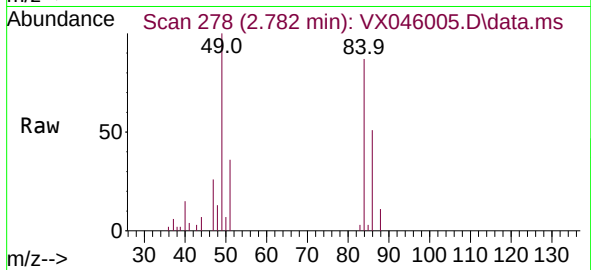




#20
Methylene Chloride
Concen: 6.780 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

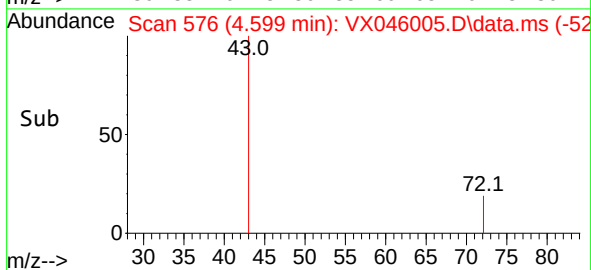
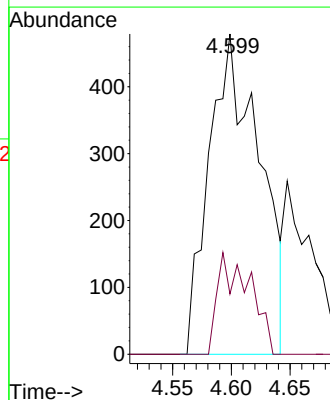
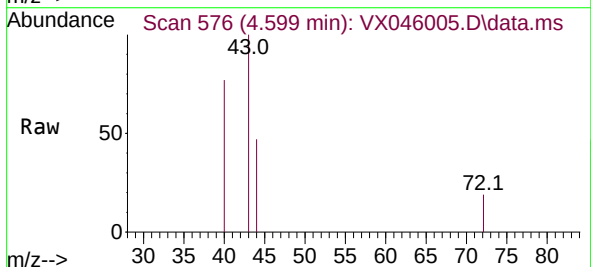
Instrument :
MSVOA_X
ClientSampleId :
MH-F

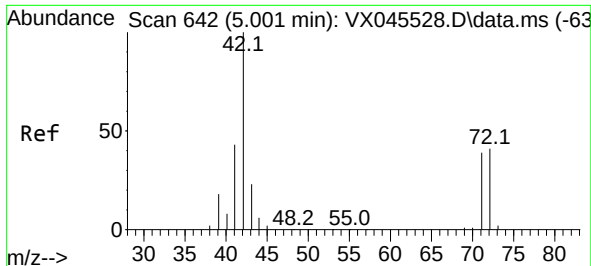
Tgt Ion:	84	Resp:	5711
Ion	Ratio	Lower	Upper
84	100		
49	114.5	107.5	161.3
51	41.1	33.0	49.6
86	58.8	50.1	75.1



#25
2-Butanone
Concen: 2.165 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

Tgt Ion:	43	Resp:	1426
Ion	Ratio	Lower	Upper
43	100		
72	18.8	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.763 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.061 min

Lab File: VX046005.D

Acq: 30 Apr 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

MH-F

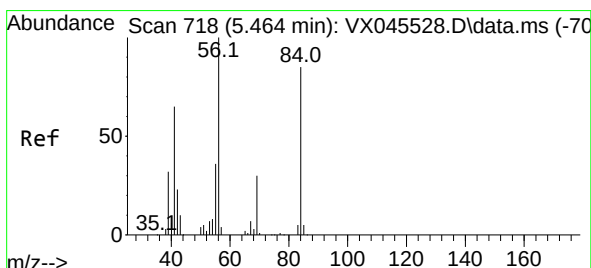
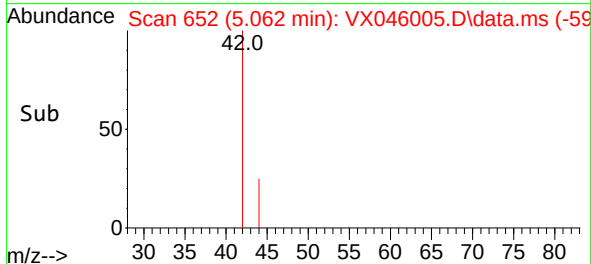
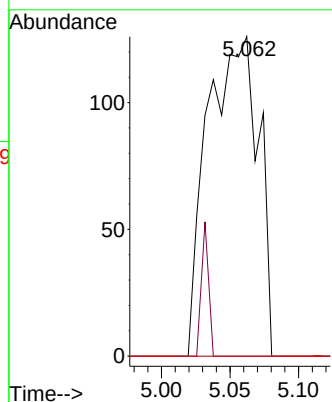
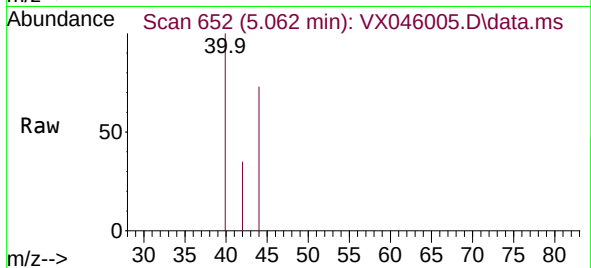
Tgt Ion: 42 Resp: 326

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.341 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046005.D

Acq: 30 Apr 2025 18:00

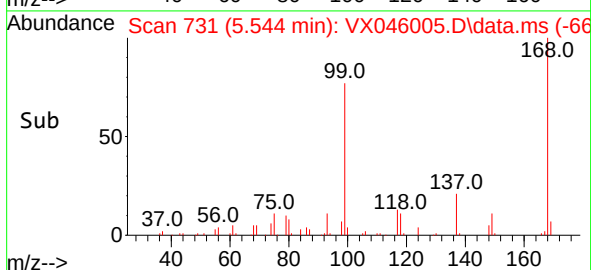
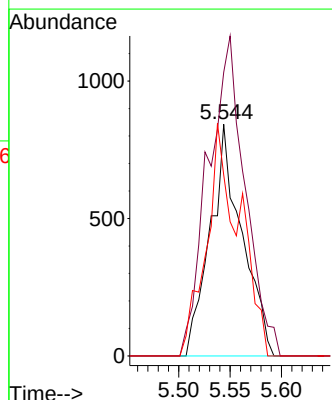
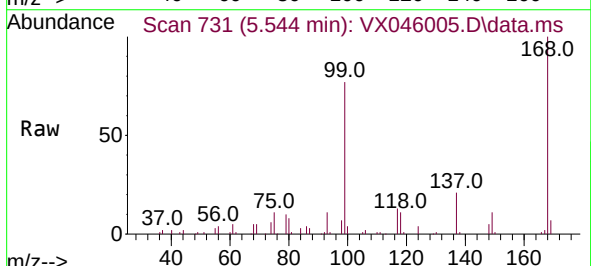
Tgt Ion: 56 Resp: 1803

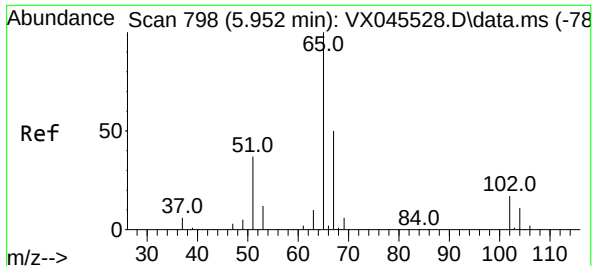
Ion Ratio Lower Upper

56 100

69 122.4 23.6 35.4#

84 78.1 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.831 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046005.D

Acq: 30 Apr 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

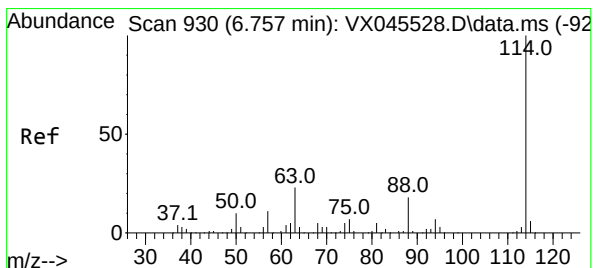
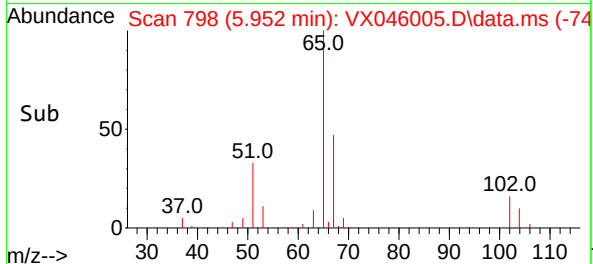
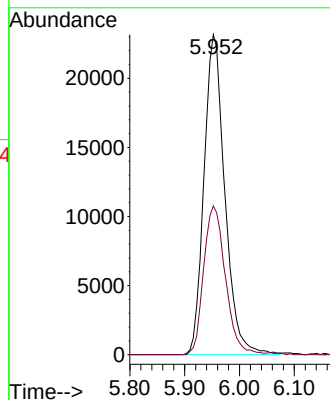
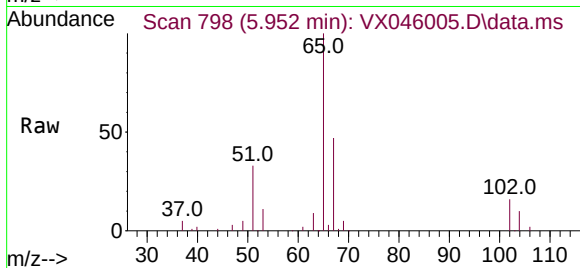
MH-F

Tgt Ion: 65 Resp: 61176

Ion Ratio Lower Upper

65 100

67 48.7 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: VX046005.D

Acq: 30 Apr 2025 18:00

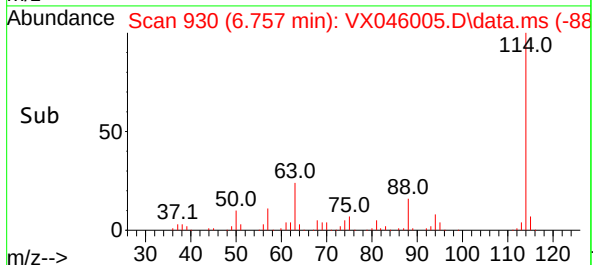
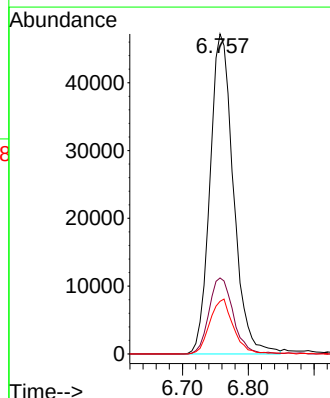
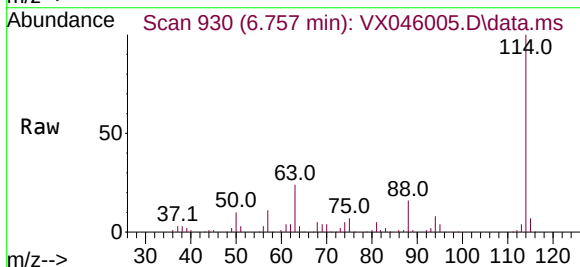
Tgt Ion: 114 Resp: 116959

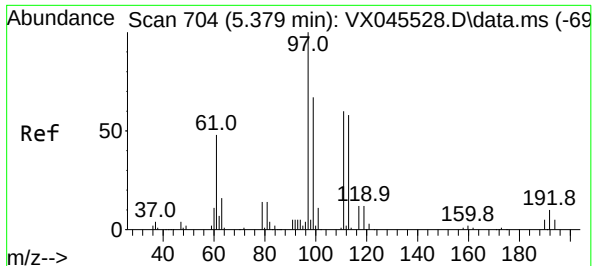
Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.8

88 16.4 0.0 35.4

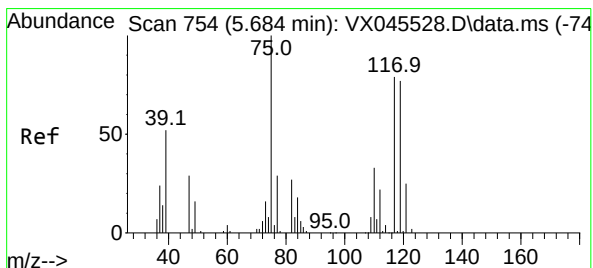
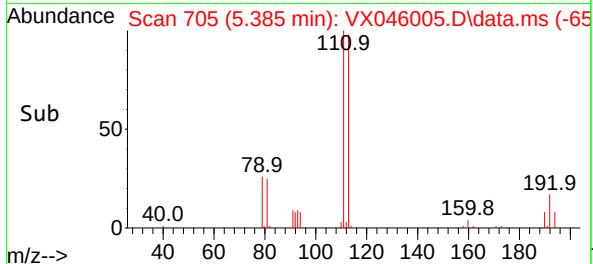
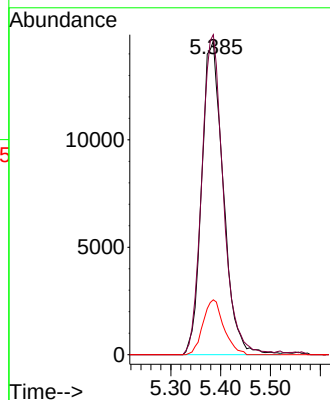
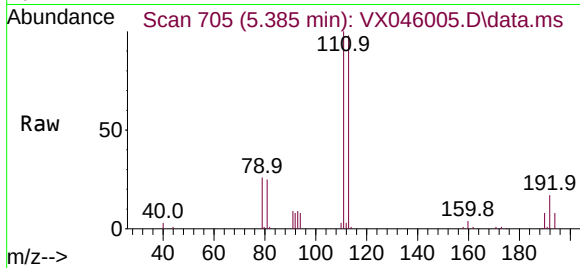




#35
Dibromofluoromethane
Concen: 52.968 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

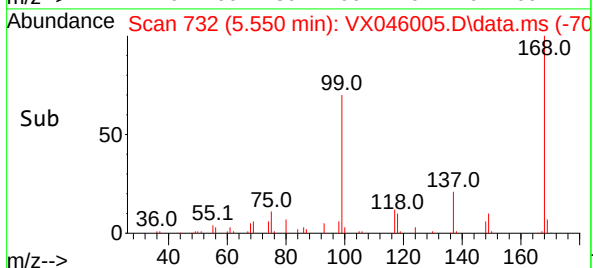
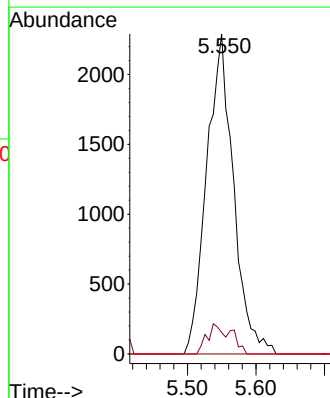
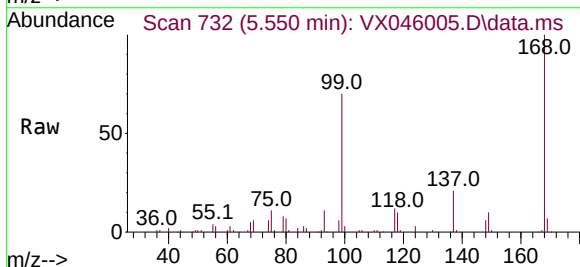
Instrument :
MSVOA_X
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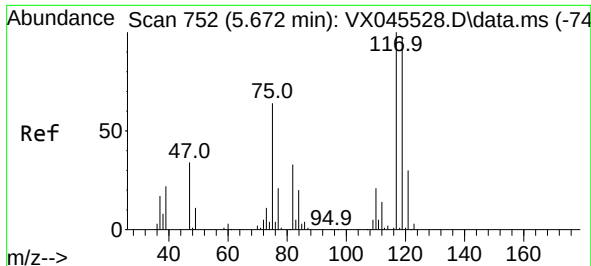
Tgt Ion:113 Resp: 43954
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 16.8 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.550 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

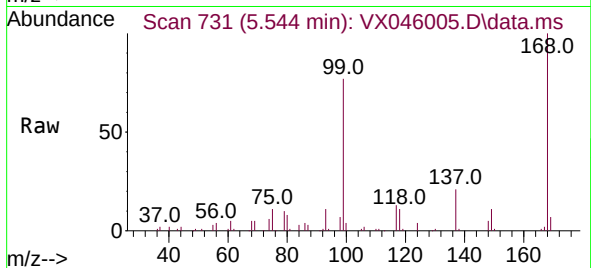
Tgt Ion: 75 Resp: 6218
Ion Ratio Lower Upper
75 100
110 5.7 16.9 50.6#
77 0.0 25.0 37.4#



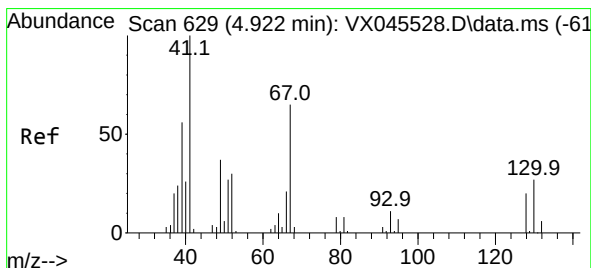
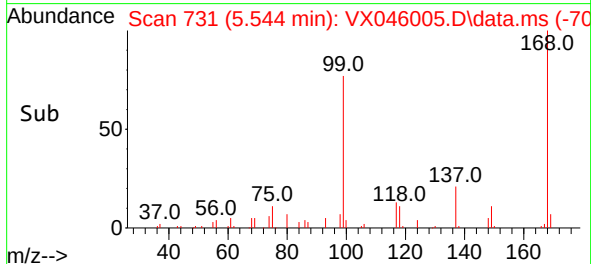
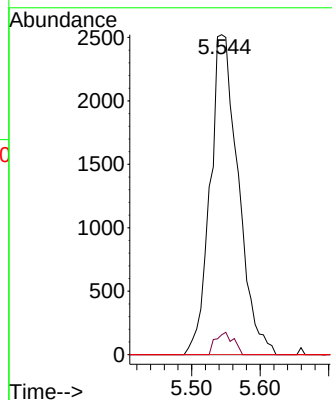


#38
Carbon Tetrachloride
Concen: 5.950 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :
MH-F

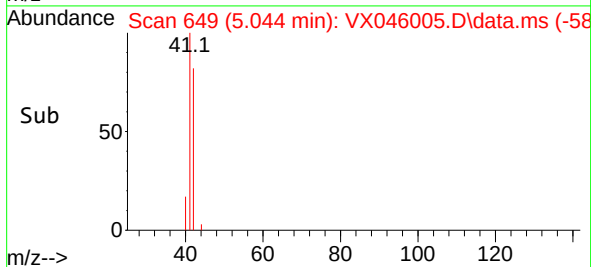
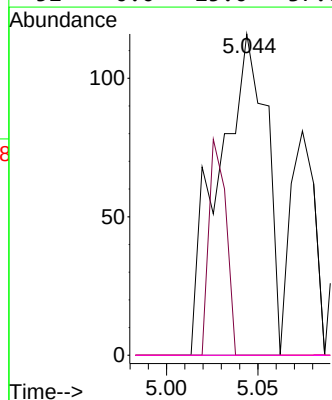
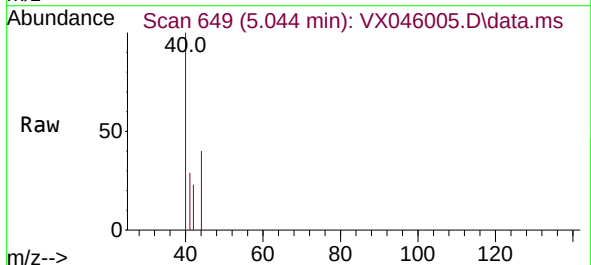


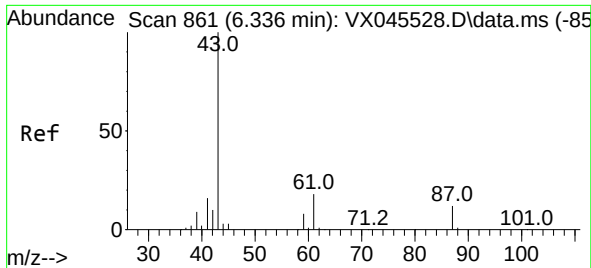
Tgt Ion:117 Resp: 7205
Ion Ratio Lower Upper
117 100
119 6.2 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.283 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

Tgt Ion: 41 Resp: 211
Ion Ratio Lower Upper
41 100
39 23.7 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

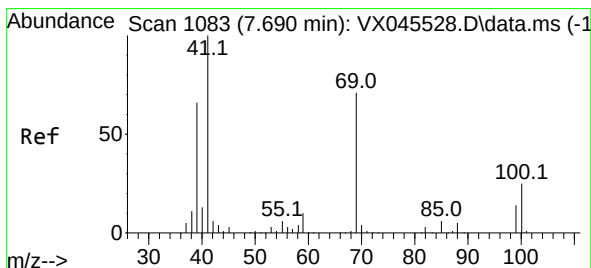
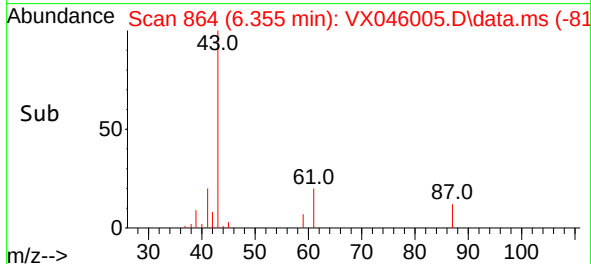
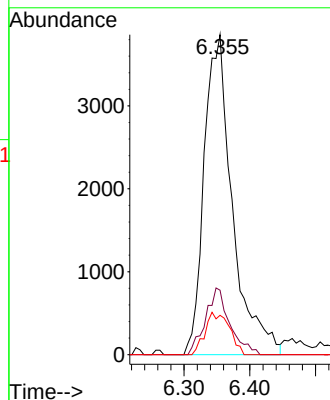
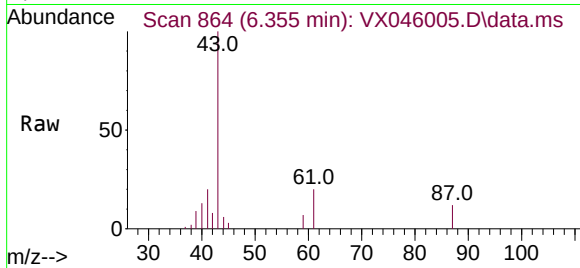




#43
Isopropyl Acetate
Concen: 5.383 ug/l
RT: 6.355 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

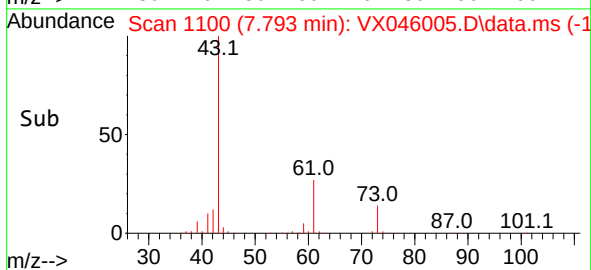
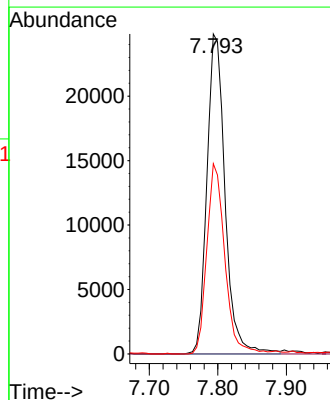
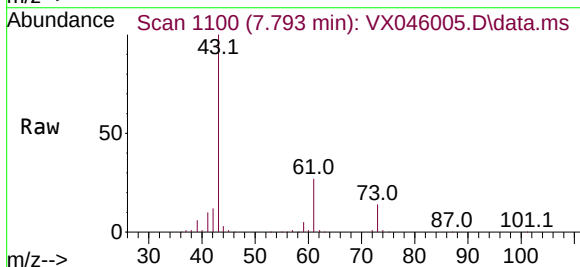
Instrument :
MSVOA_X
ClientSampleId :
MH-F

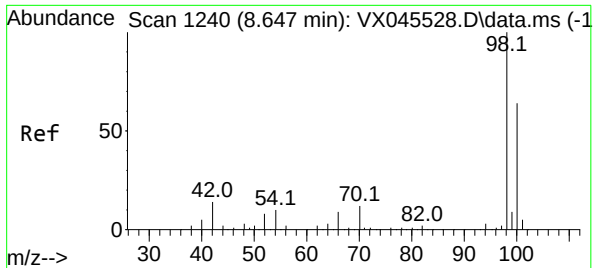
Tgt Ion: 43 Resp: 11520
Ion Ratio Lower Upper
43 100
61 17.9 14.1 21.1
87 11.3 9.2 13.8



#48
Methyl methacrylate
Concen: 41.357 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

Tgt Ion: 41 Resp: 45697
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.1 53.6 80.4

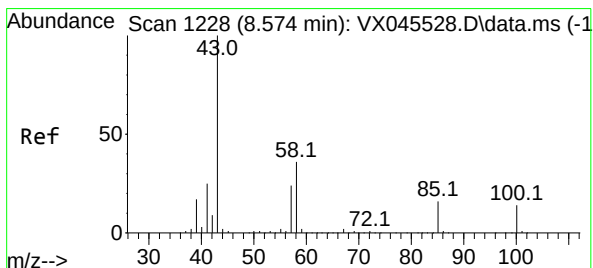
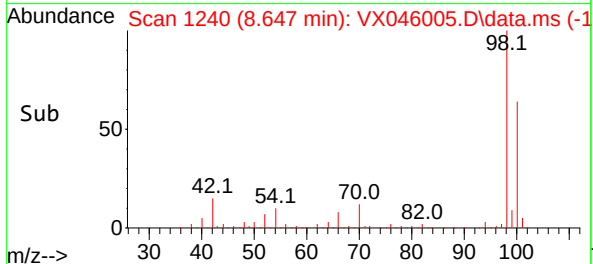
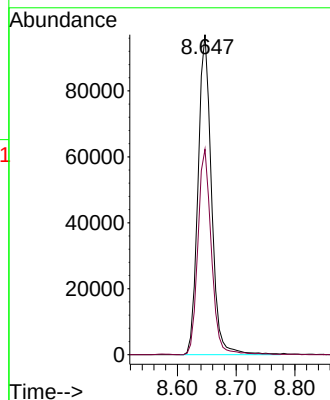
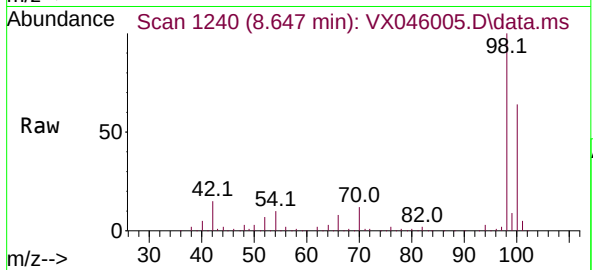




#50
Toluene-d8
Concen: 53.226 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

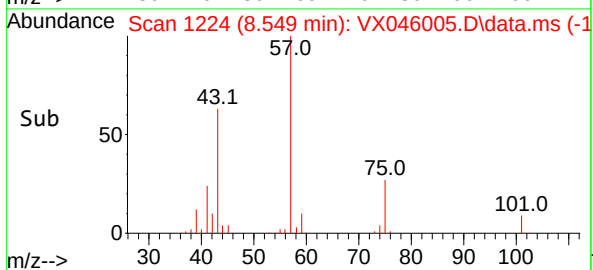
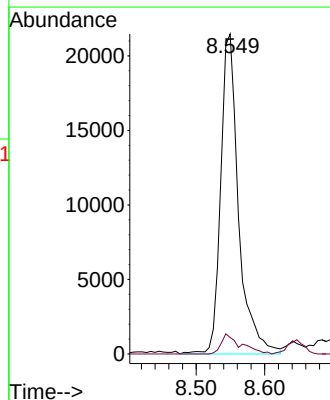
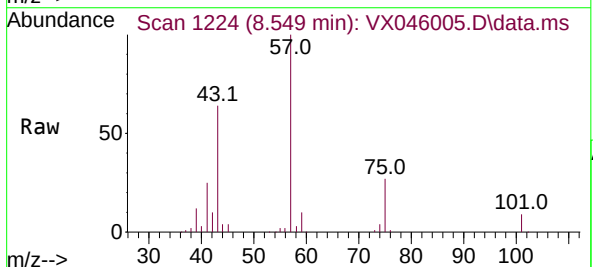
Instrument :
MSVOA_X
ClientSampleId :
MH-F

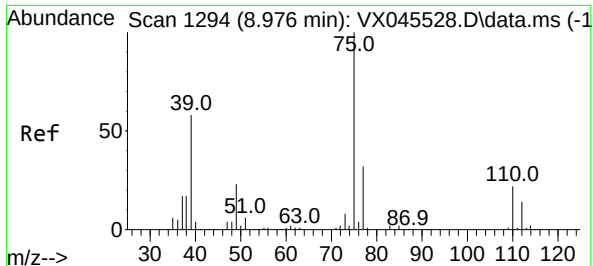
Tgt Ion: 98 Resp: 154165
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 27.378 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

Tgt Ion: 43 Resp: 38840
Ion Ratio Lower Upper
43 100
58 6.9 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.479 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX046005.D

Acq: 30 Apr 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

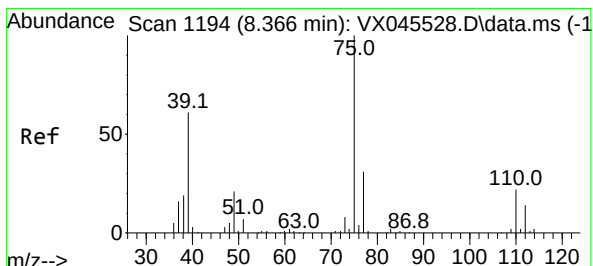
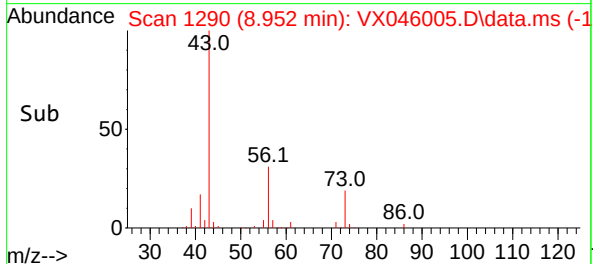
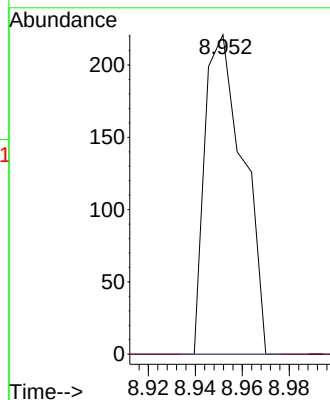
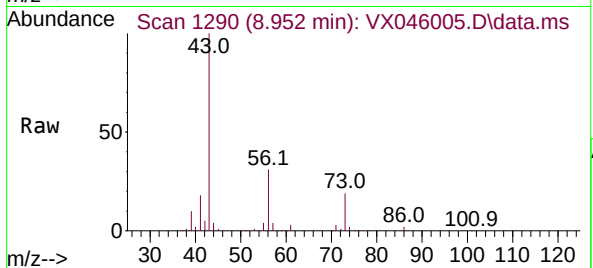
MH-F

Tgt Ion: 75 Resp: 251

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 11.749 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX046005.D

Acq: 30 Apr 2025 18:00

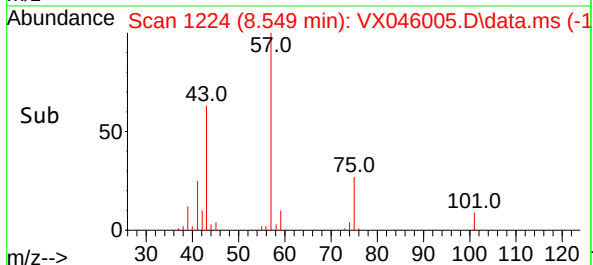
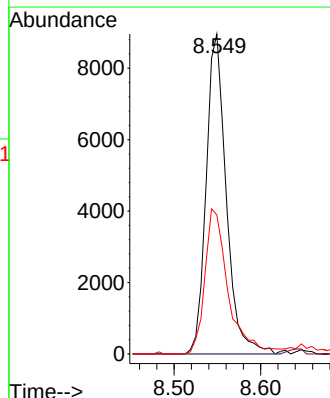
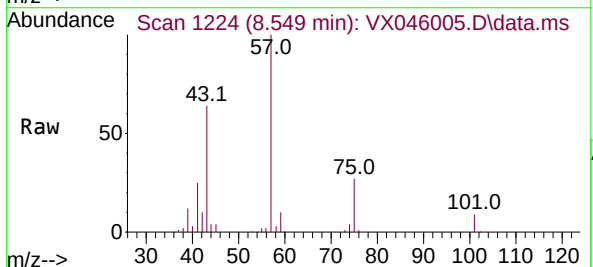
Tgt Ion: 75 Resp: 14451

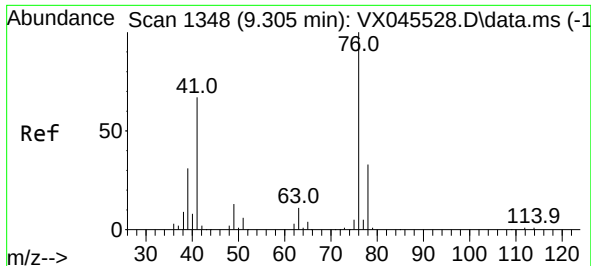
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 43.4 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.955 ug/l

RT: 9.476 min Scan# 1376

Delta R.T. 0.171 min

Lab File: VX046005.D

Acq: 30 Apr 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

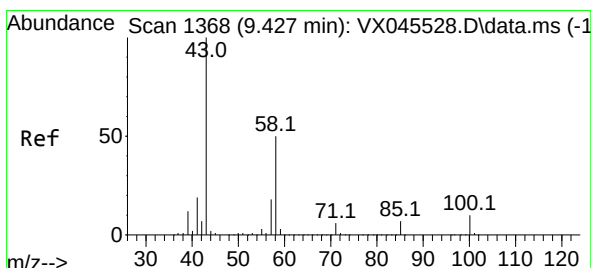
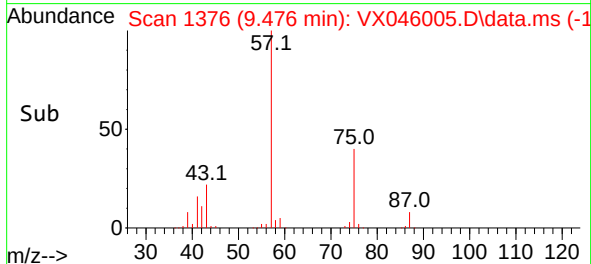
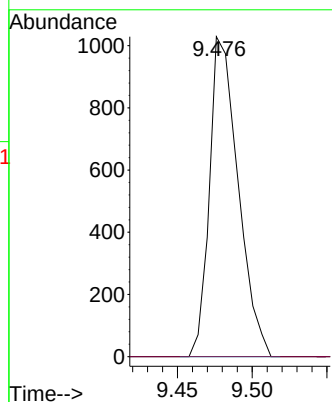
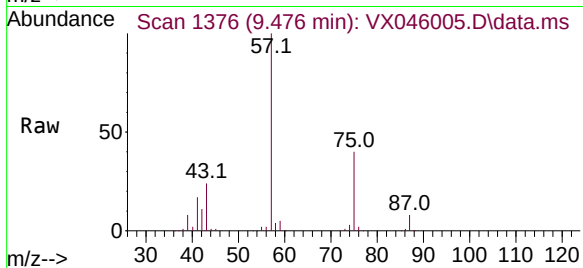
MH-F

Tgt Ion: 76 Resp: 1372

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 10.701 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046005.D

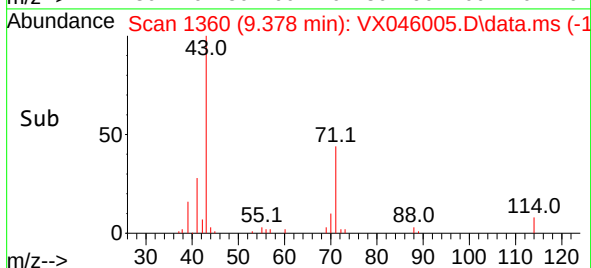
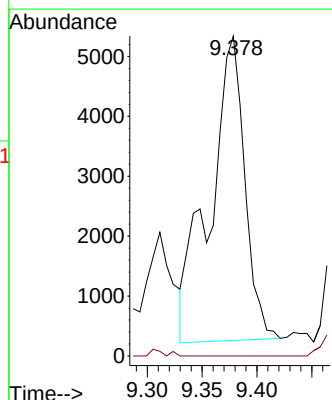
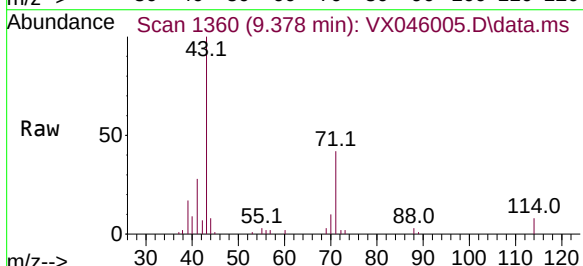
Acq: 30 Apr 2025 18:00

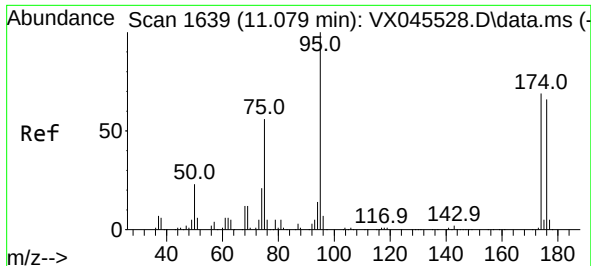
Tgt Ion: 43 Resp: 11242

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

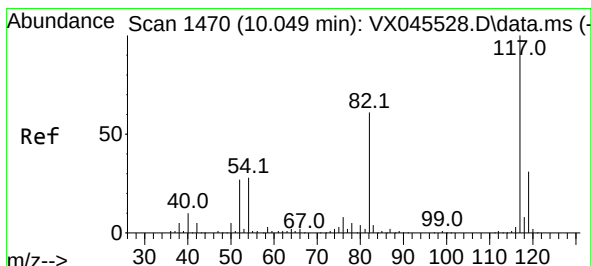
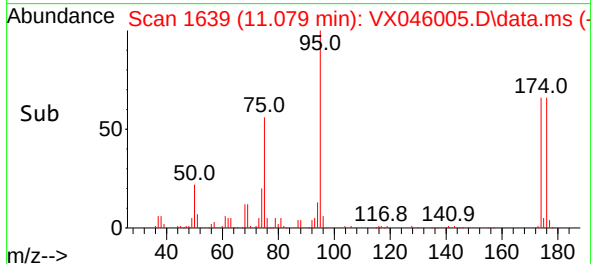
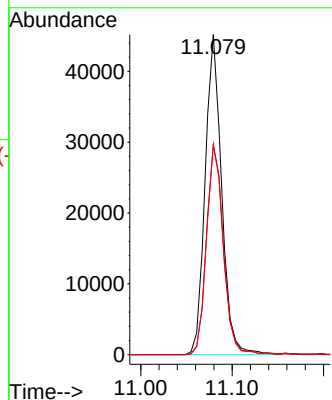
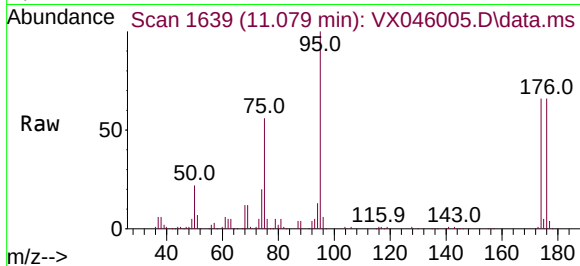




#62
4-Bromofluorobenzene
Concen: 53.584 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

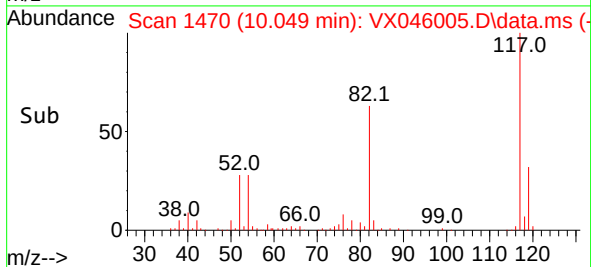
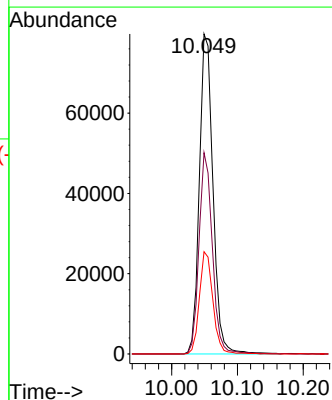
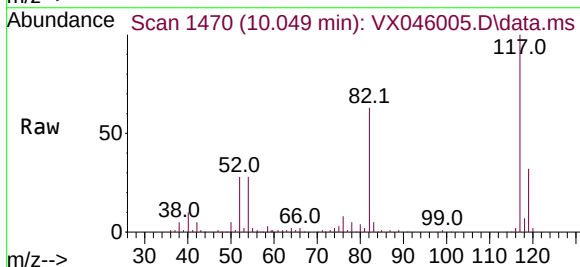
Instrument :
MSVOA_X
ClientSampleId :
MH-F

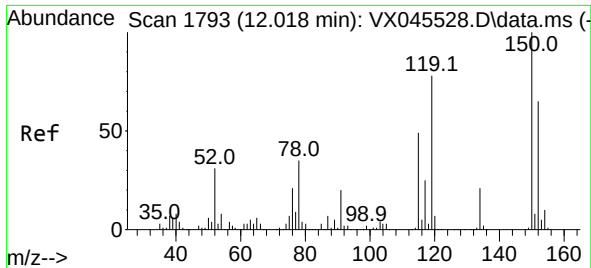
Tgt Ion: 95 Resp: 56532
Ion Ratio Lower Upper
95 100
174 67.6 0.0 135.8
176 66.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

Tgt Ion: 117 Resp: 114826
Ion Ratio Lower Upper
117 100
82 62.9 49.2 73.8
119 31.9 25.1 37.7

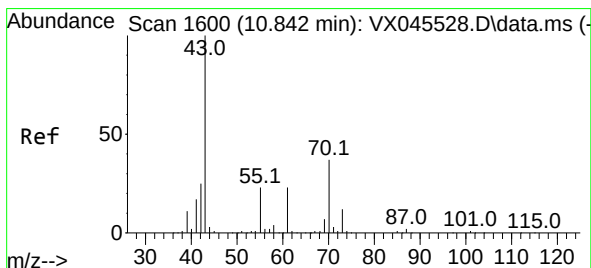
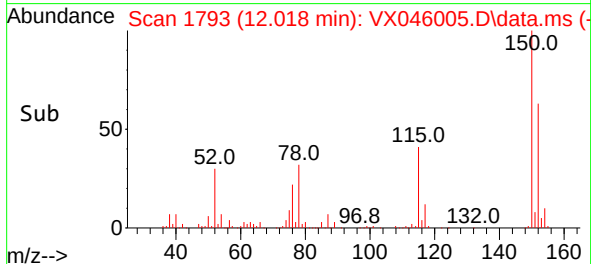
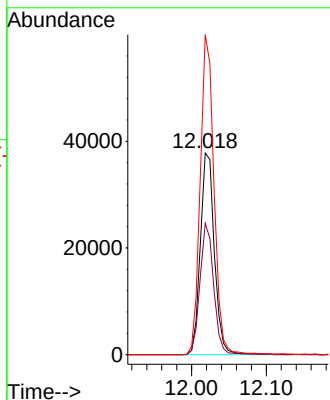
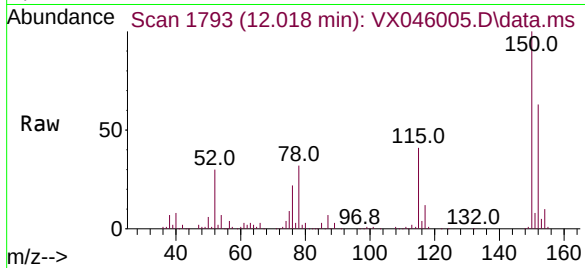




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

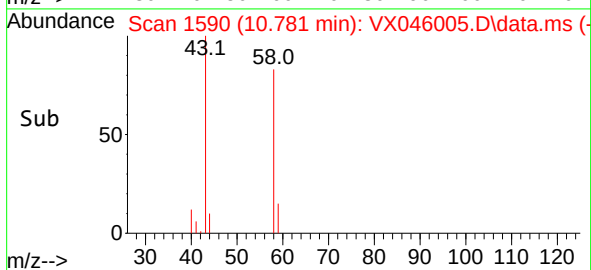
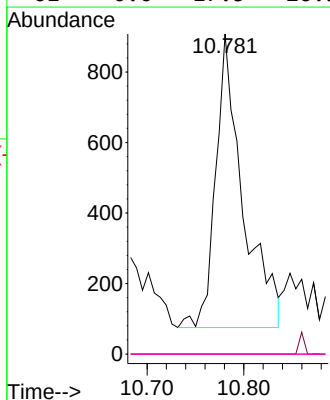
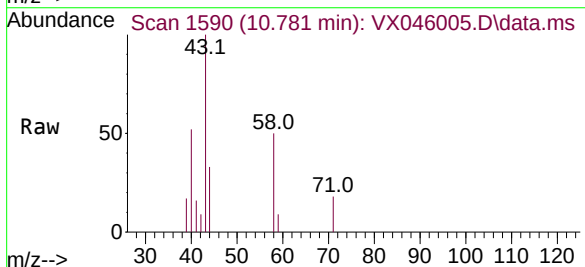
Instrument :
MSVOA_X
ClientSampleId :
MH-F

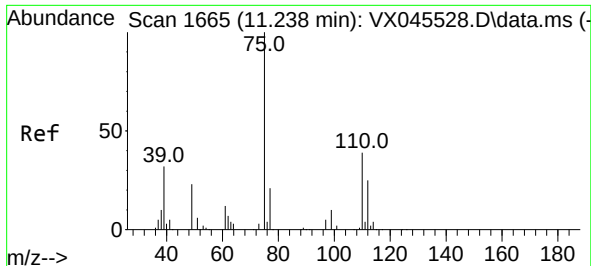
Tgt Ion:152 Resp: 49382
Ion Ratio Lower Upper
152 100
115 63.5 46.9 140.7
150 155.4 0.0 349.4



#74
N-ethyl acetate
Concen: 0.862 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

Tgt Ion: 43 Resp: 1631
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#

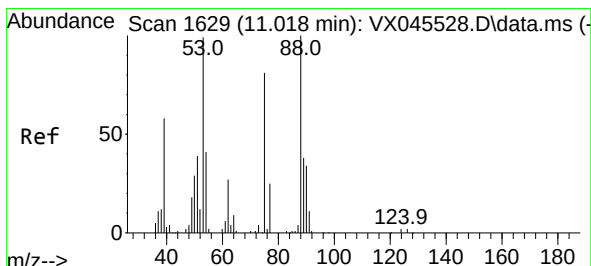
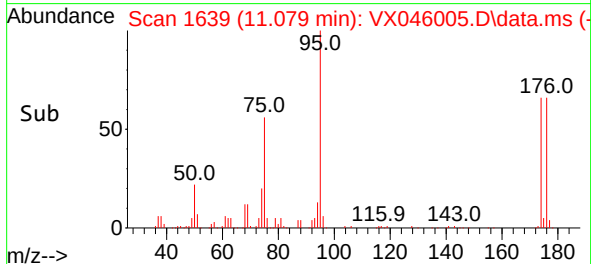
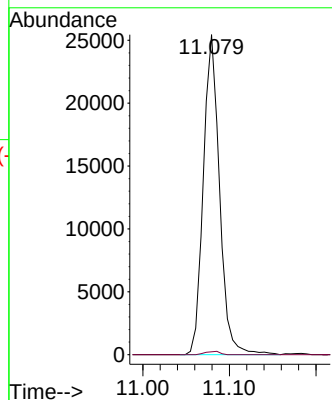
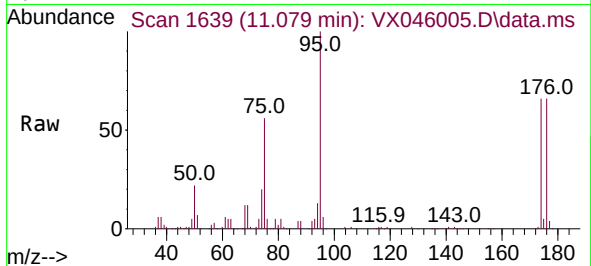




#76
1,2,3-Trichloropropane
Concen: 27.494 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

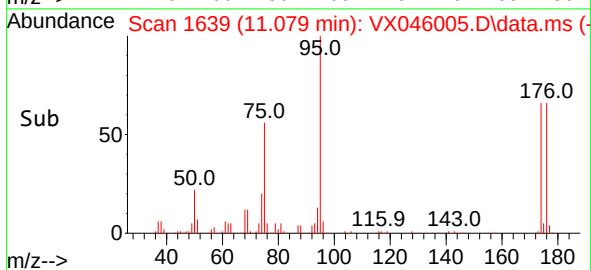
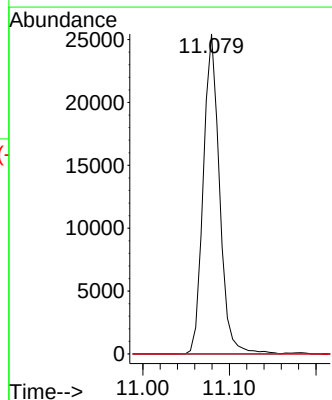
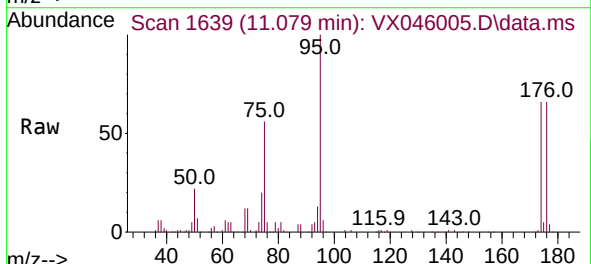
Instrument :
MSVOA_X
ClientSampleId :
MH-F

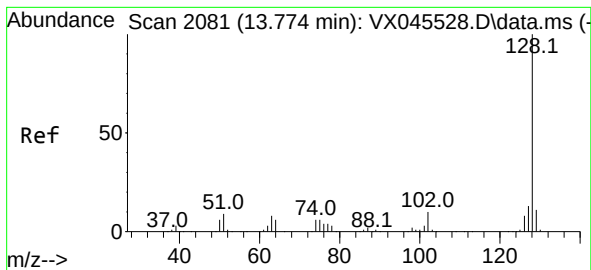
Tgt Ion: 75 Resp: 33118
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.312 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046005.D
Acq: 30 Apr 2025 18:00

Tgt Ion: 75 Resp: 33118
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.485 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX046005.D

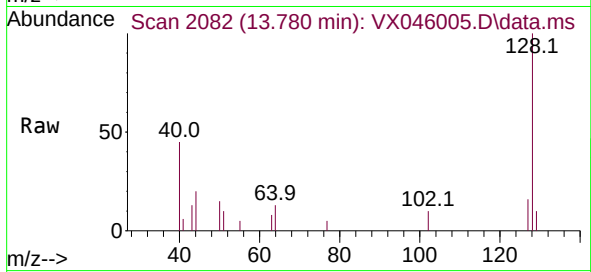
Acq: 30 Apr 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

MH-F



Tgt Ion:128 Resp: 1663

Ion Ratio Lower Upper

128 100

127 9.1 10.3 15.5#

129 9.9 8.6 12.8

