

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045926.D
 Acq On : 24 Apr 2025 14:47
 Operator : JC/MD
 Sample : Q1852-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-11977

Quant Time: Apr 25 02:27:25 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)

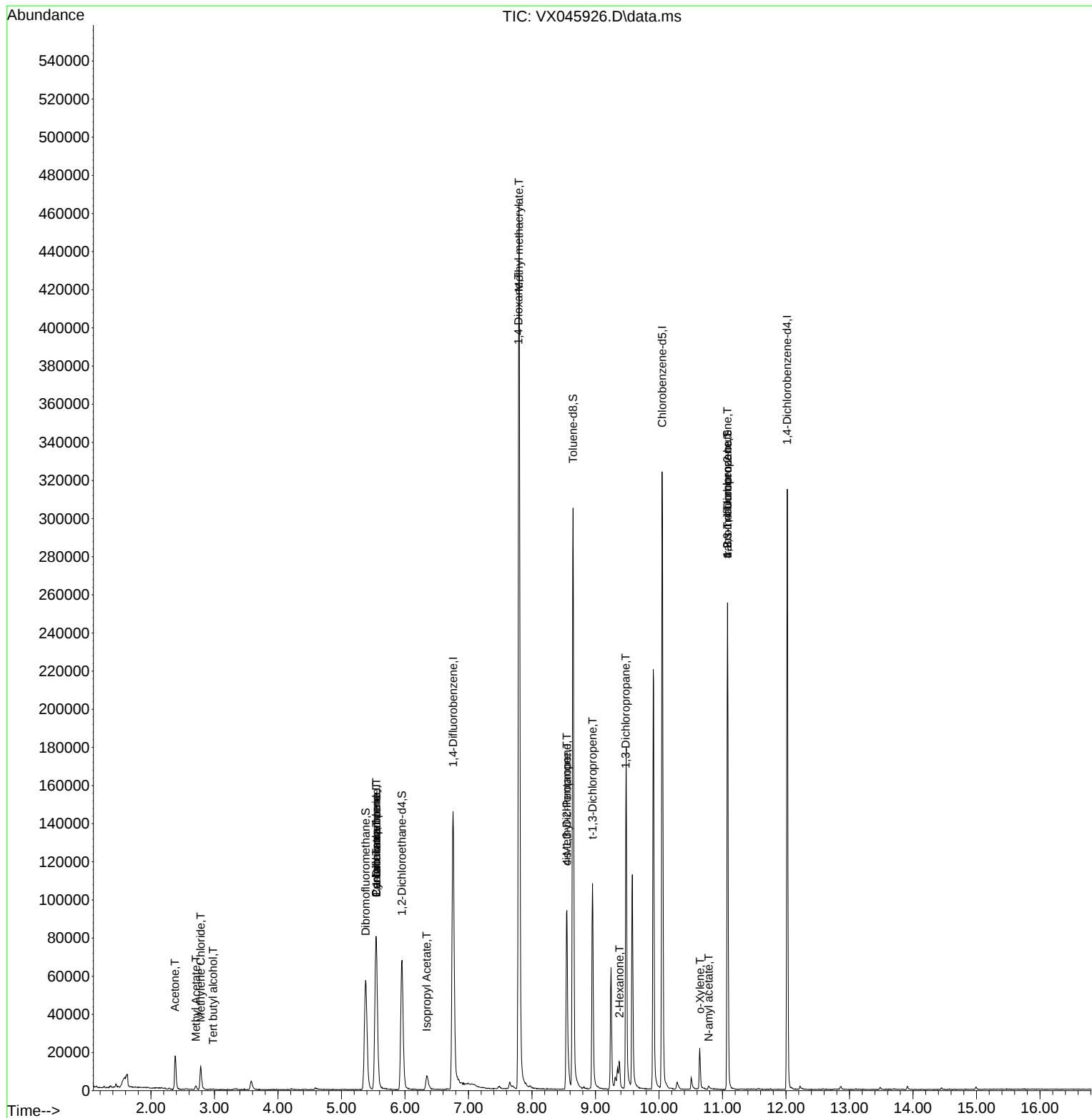
Internal Standards						
1) Pentafluorobenzene	5.550	168	69700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138229	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69599	54.603	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.200%	
35) Dibromofluoromethane	5.379	113	50280	51.268	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.540%	
50) Toluene-d8	8.647	98	173783	50.767	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	11.079	95	65543	52.565	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.140%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	384	2.242	ug/l #	72
16) Acetone	2.380	43	20726	39.599	ug/l	95
18) Methyl Acetate	2.709	43	2609	2.165	ug/l #	87
20) Methylene Chloride	2.782	84	5245	5.353	ug/l	94
31) Cyclohexane	5.550	56	1980	1.266	ug/l #	43
36) 1,1-Dichloropropene	5.550	75	6713	5.070	ug/l #	51
38) Carbon Tetrachloride	5.550	117	8152	5.696	ug/l #	16
43) Isopropyl Acetate	6.342	43	11612	4.591	ug/l	98
48) Methyl methacrylate	7.793	41	46346	35.490	ug/l #	51
49) 1,4-Dioxane	7.787	88	19	0.804	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	41227	24.589	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	308	2.487	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14187	9.759	ug/l #	61
57) 1,3-Dichloropropane	9.476	76	1493	0.879	ug/l #	42
59) 2-Hexanone	9.378	43	13669	11.009	ug/l #	28
69) o-Xylene	10.647	106	392	0.219	ug/l	98
74) N-amyl acetate	10.781	43	1188	0.547	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	37803	27.363	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37803	92.865	ug/l #	1

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

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72-11977

Quant Time: Apr 25 02:27:25 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

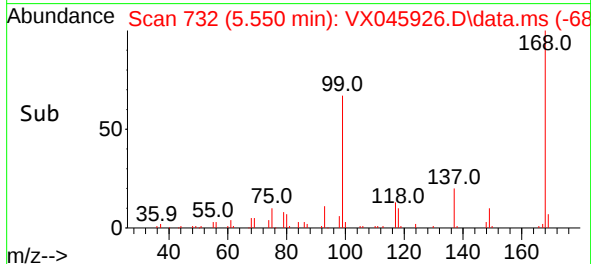
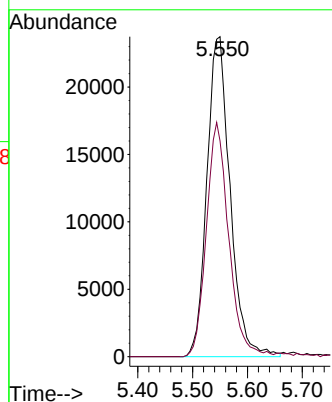
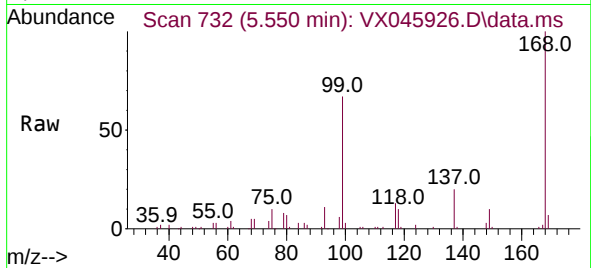




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

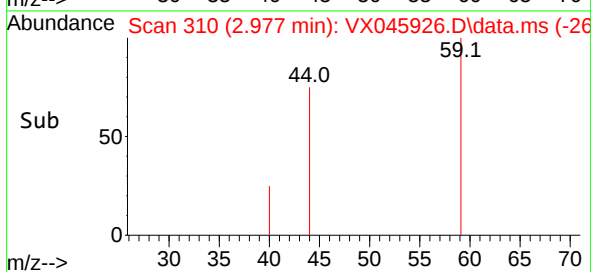
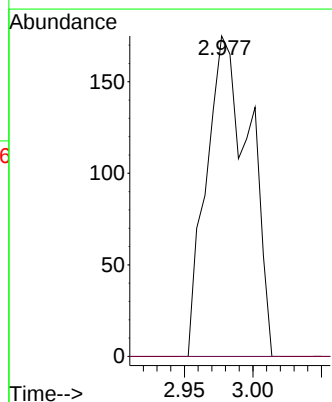
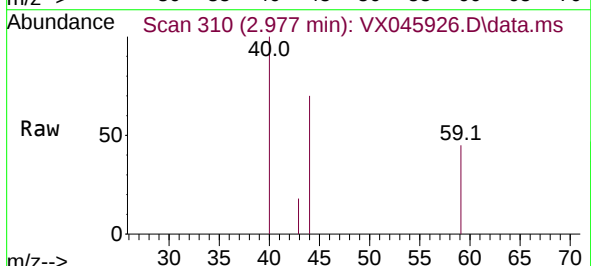
Instrument :
MSVOA_X
ClientSampleId :
72-11977

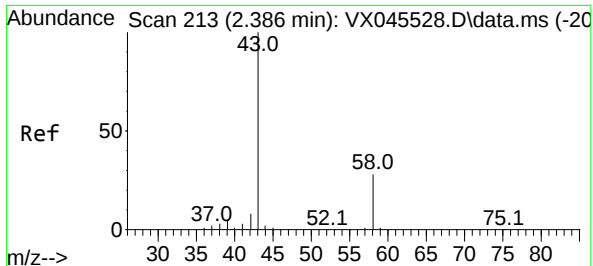
Tgt Ion:168 Resp: 69700
Ion Ratio Lower Upper
168 100
99 67.4 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.242 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

Tgt Ion: 59 Resp: 384
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

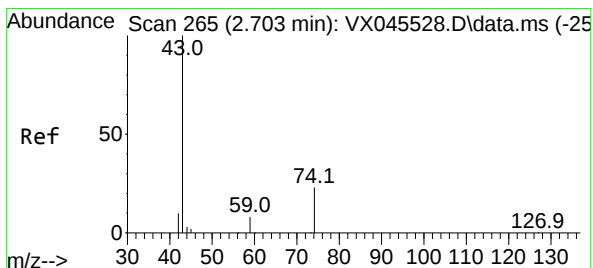
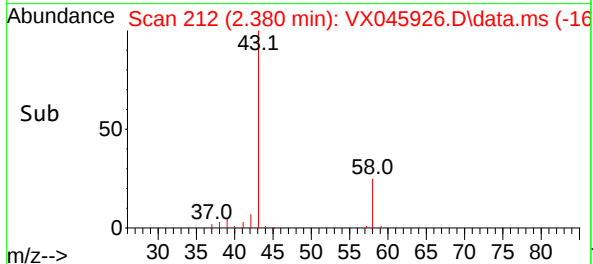
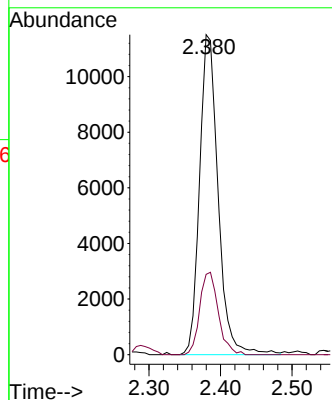
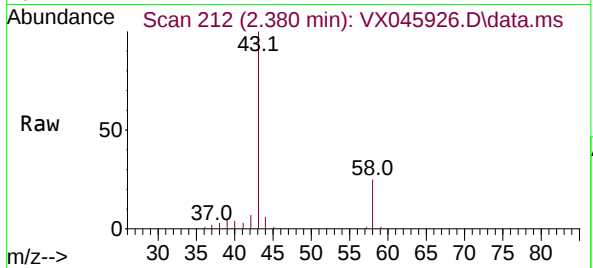




#16
Acetone
Concen: 39.599 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

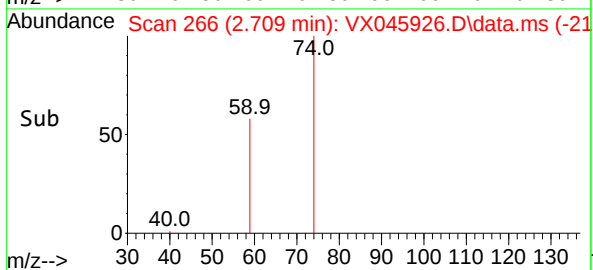
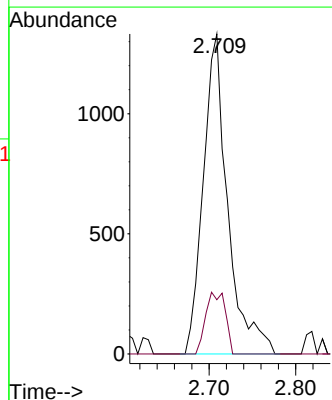
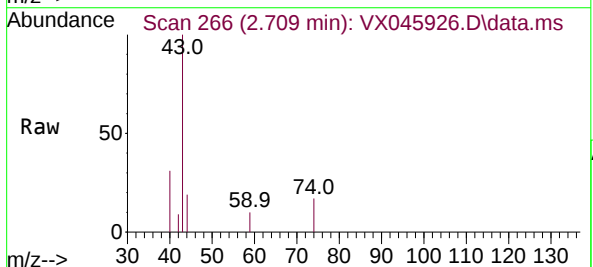
Instrument :
MSVOA_X
ClientSampleId :
72-11977

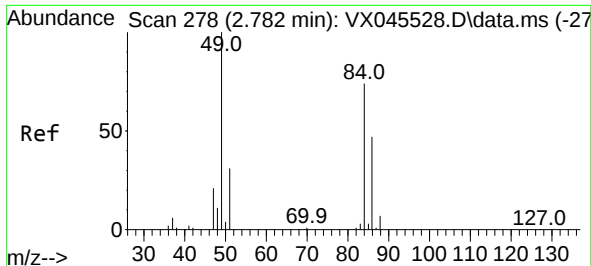
Tgt Ion: 43 Resp: 20726
Ion Ratio Lower Upper
43 100
58 25.1 22.3 33.5



#18
Methyl Acetate
Concen: 2.165 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

Tgt Ion: 43 Resp: 2609
Ion Ratio Lower Upper
43 100
74 15.5 17.5 26.3#

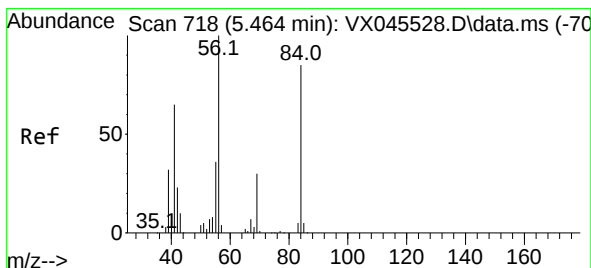
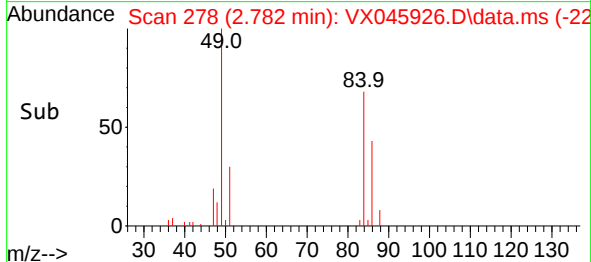
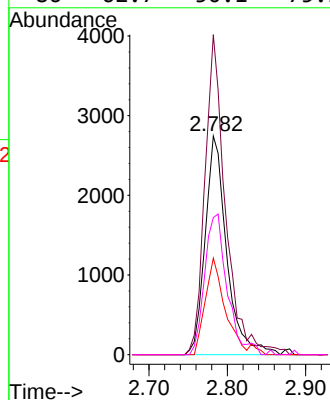
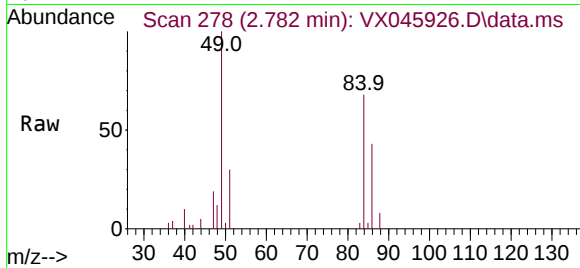




#20
Methylene Chloride
Concen: 5.353 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

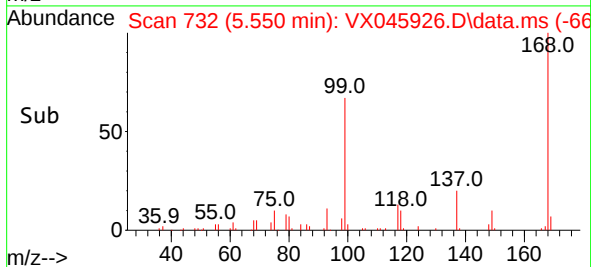
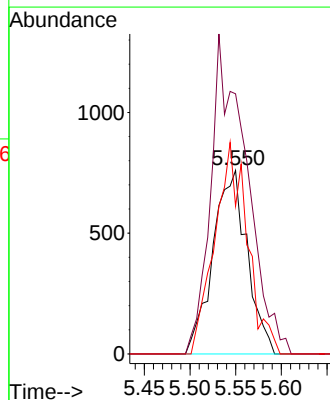
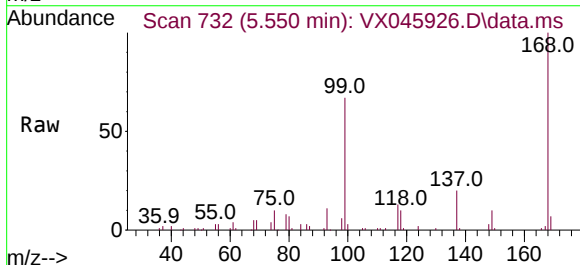
Instrument :
MSVOA_X
ClientSampleId :
72-11977

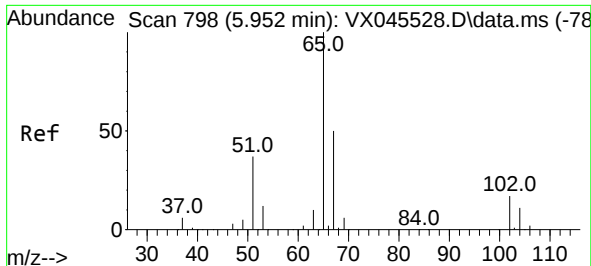
Tgt Ion:	84	Resp:	5245
Ion	Ratio	Lower	Upper
84	100		
49	146.3	107.5	161.3
51	44.1	33.0	49.6
86	62.7	50.1	75.1



#31
Cyclohexane
Concen: 1.266 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

Tgt Ion:	56	Resp:	1980
Ion	Ratio	Lower	Upper
56	100		
69	141.7	23.6	35.4#
84	80.5	67.7	101.5





#33

1,2-Dichloroethane-d4

Concen: 54.603 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045926.D

Acq: 24 Apr 2025 14:47

Instrument :

MSVOA_X

ClientSampleId :

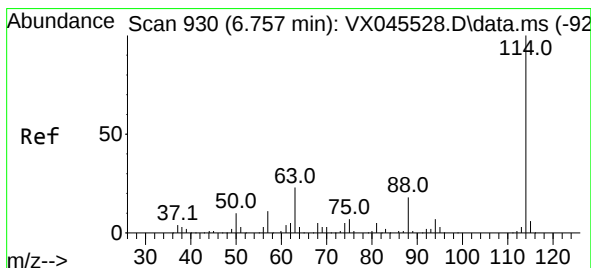
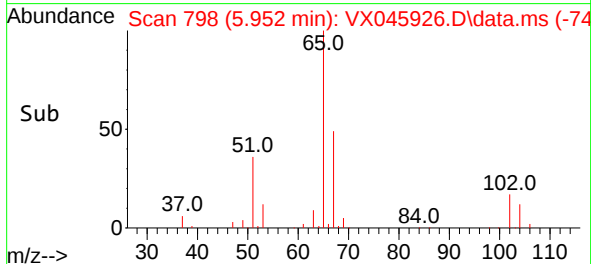
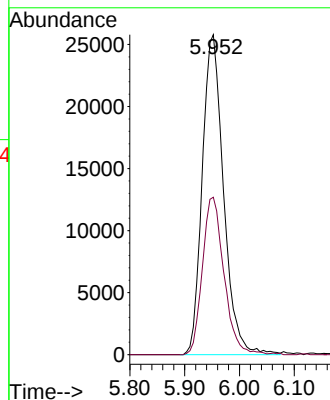
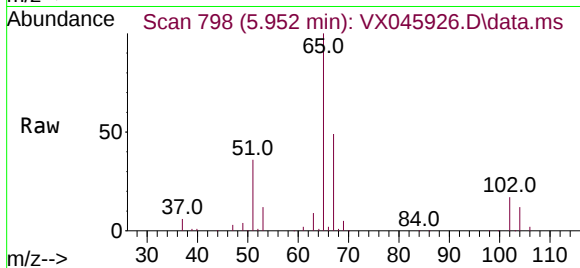
72-11977

Tgt Ion: 65 Resp: 69599

Ion Ratio Lower Upper

65 100

67 49.7 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: VX045926.D

Acq: 24 Apr 2025 14:47

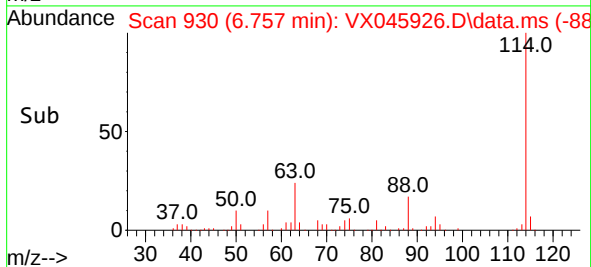
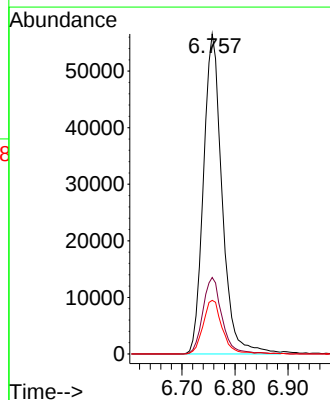
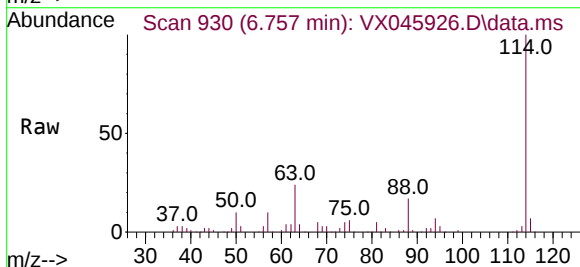
Tgt Ion: 114 Resp: 138229

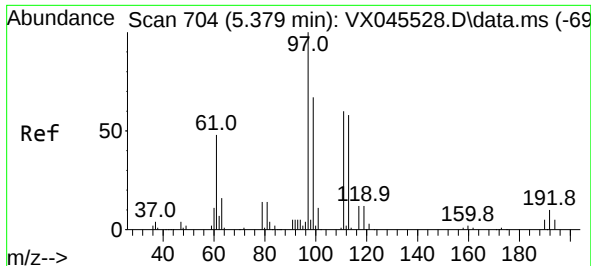
Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.8

88 16.8 0.0 35.4

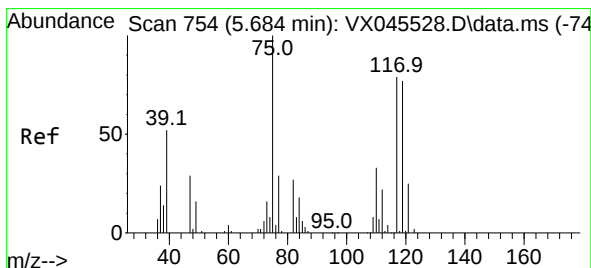
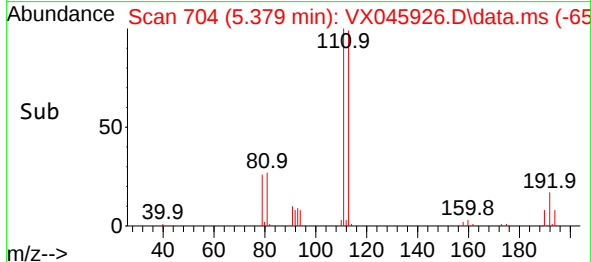
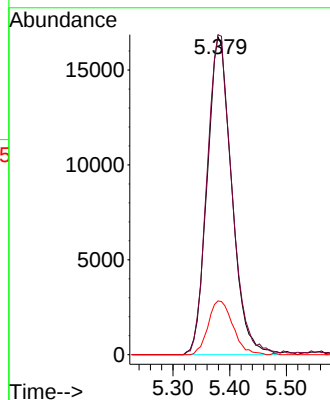
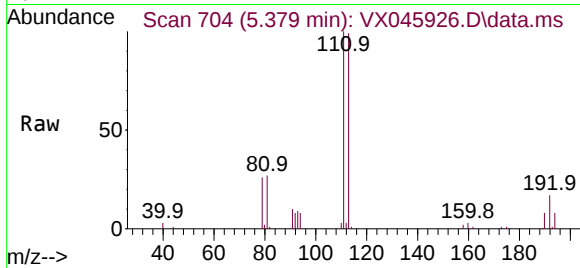




#35
Dibromofluoromethane
Concen: 51.268 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

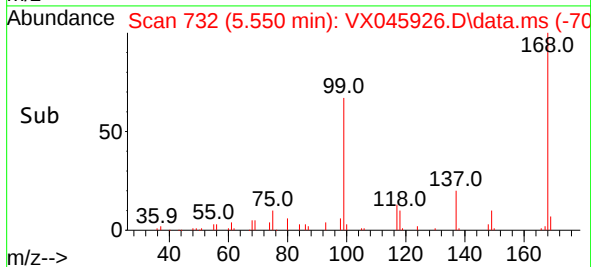
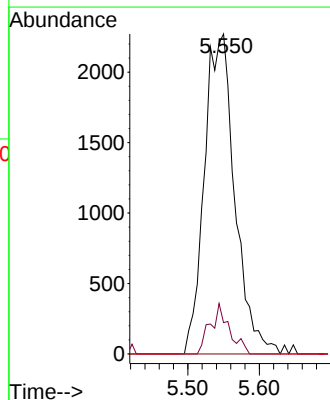
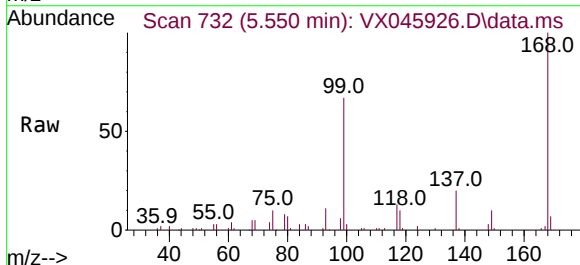
Instrument :
MSVOA_X
ClientSampleId :
72-11977

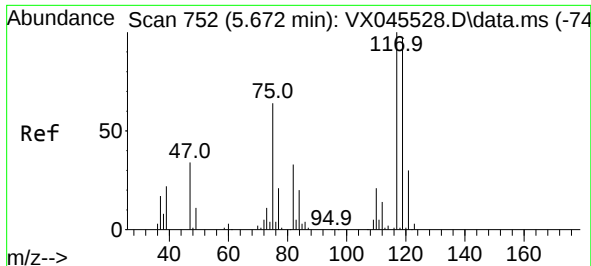
Tgt Ion:113 Resp: 50280
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 17.0 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

Tgt Ion: 75 Resp: 6713
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.6#
77 0.0 25.0 37.4#

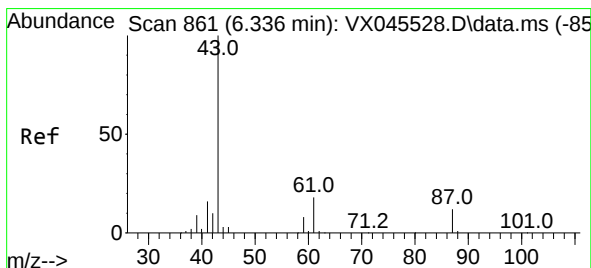
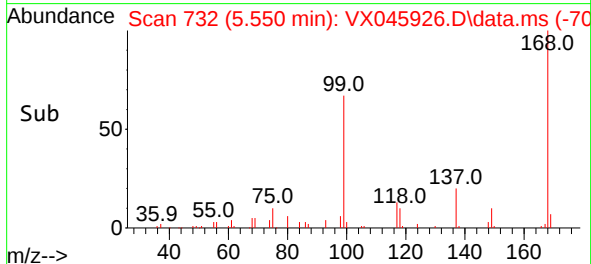
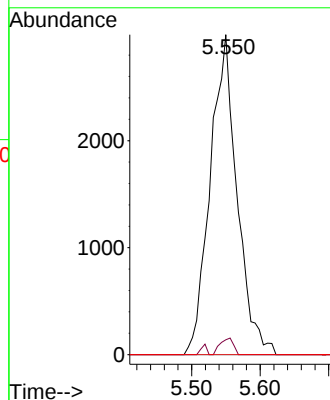
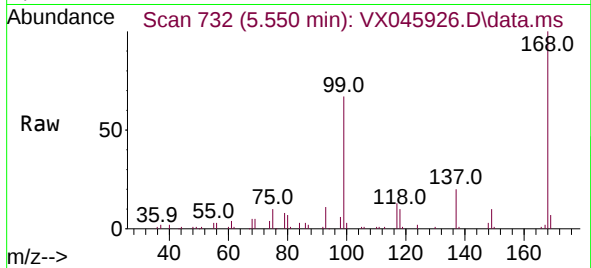




#38
Carbon Tetrachloride
Concen: 5.696 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

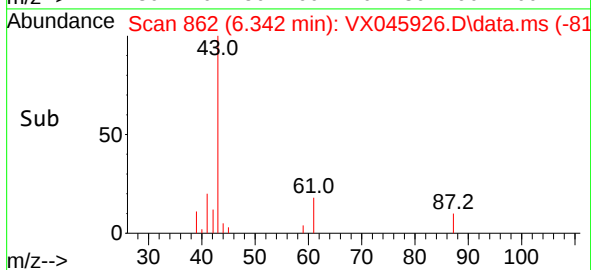
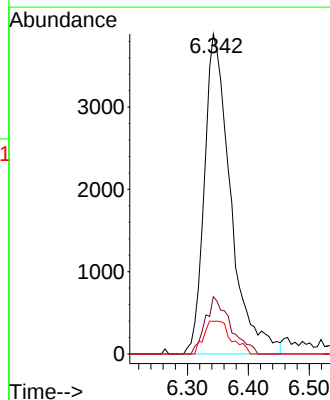
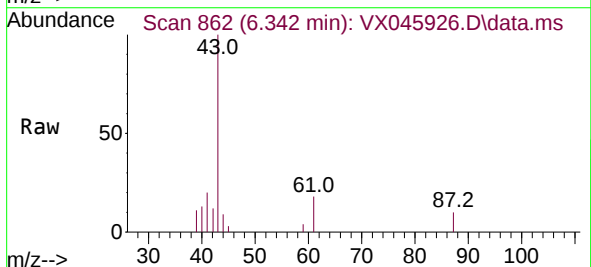
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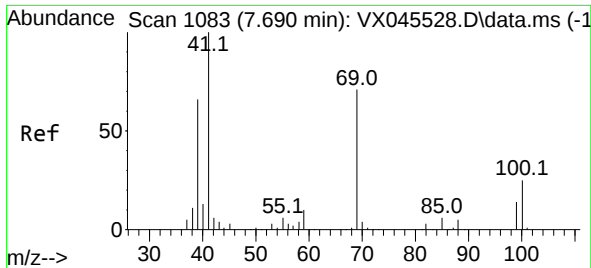
Tgt Ion:117 Resp: 8152
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.591 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

Tgt Ion: 43 Resp: 11612
Ion Ratio Lower Upper
43 100
61 17.1 14.1 21.1
87 10.6 9.2 13.8

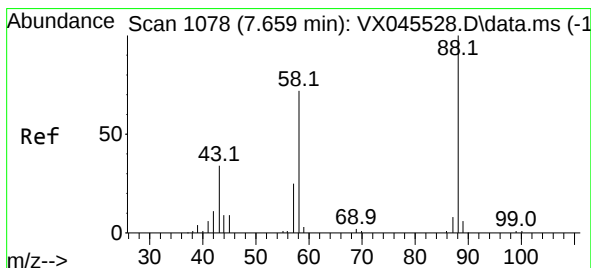
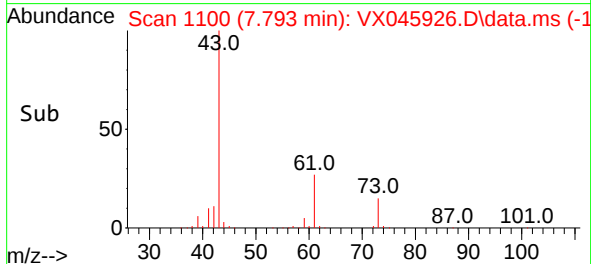
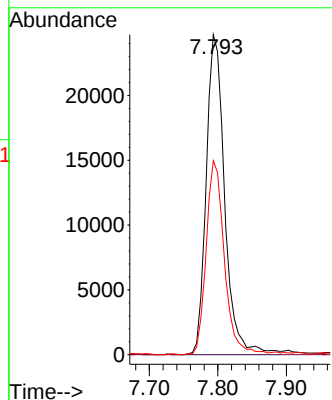
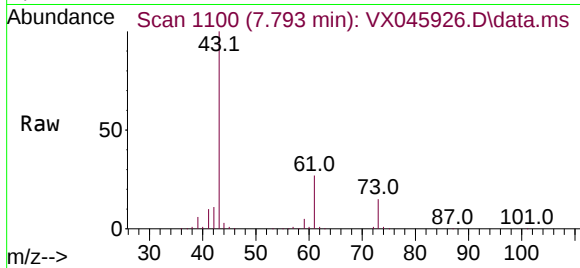




#48
Methyl methacrylate
Concen: 35.490 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

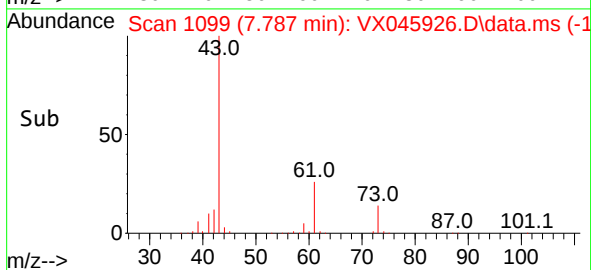
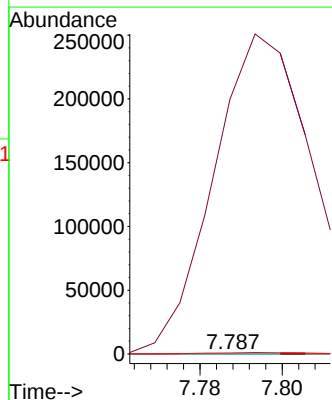
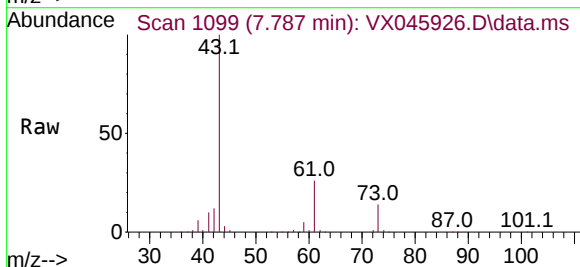
Instrument :
MSVOA_X
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72-11977

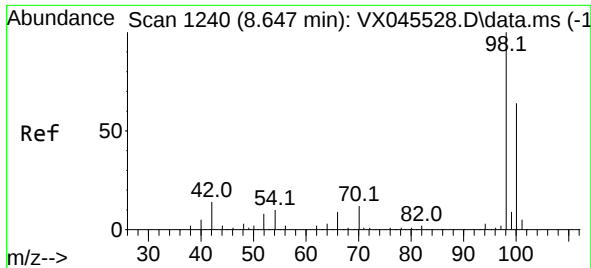
Tgt Ion: 41 Resp: 46346
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.8 53.6 80.4



#49
1,4-Dioxane
Concen: 0.804 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 2389400.0 32.2 48.4#
58 10205.3 58.6 88.0#

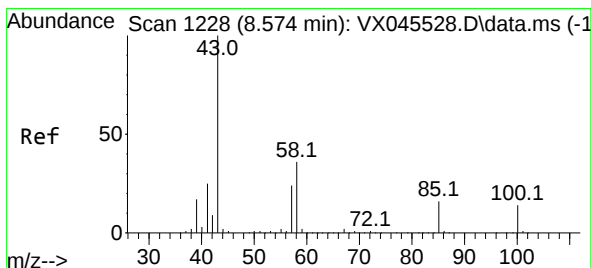
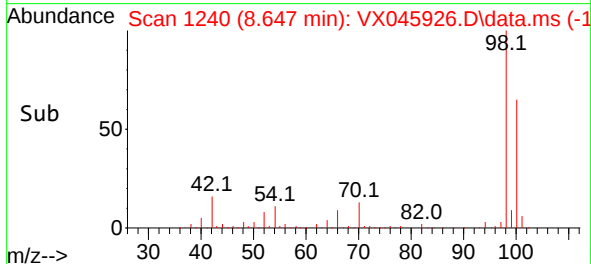
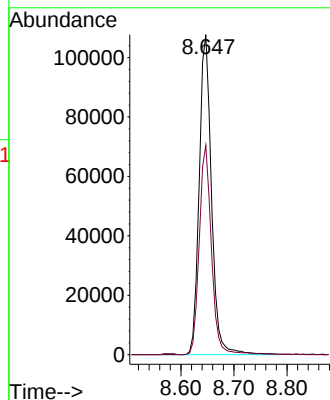
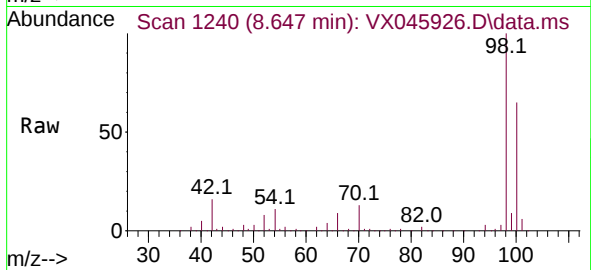




#50
Toluene-d8
Concen: 50.767 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

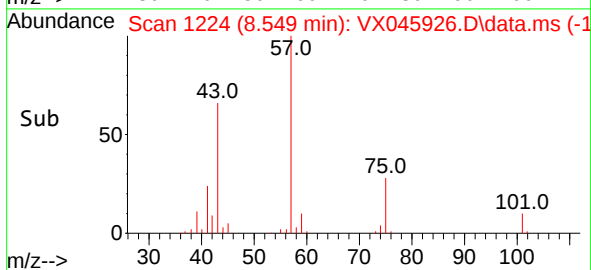
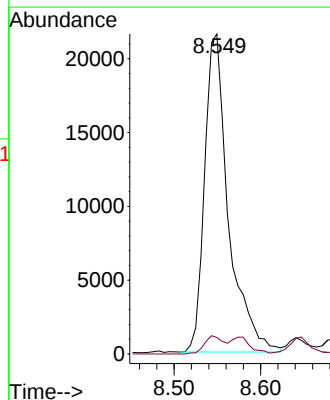
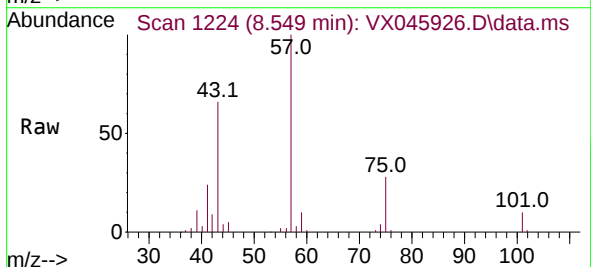
Instrument :
MSVOA_X
ClientSampleId :
72-11977

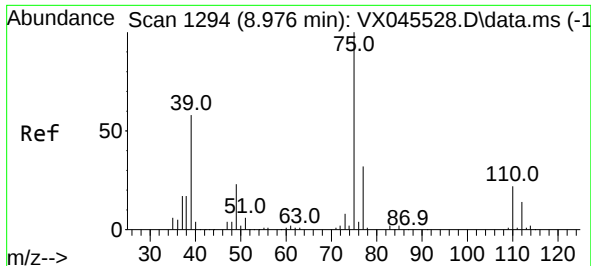
Tgt Ion: 98 Resp: 173783
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 24.589 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

Tgt Ion: 43 Resp: 41227
Ion Ratio Lower Upper
43 100
58 4.7 28.5 42.7#

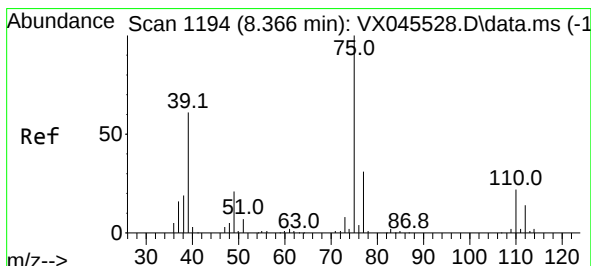
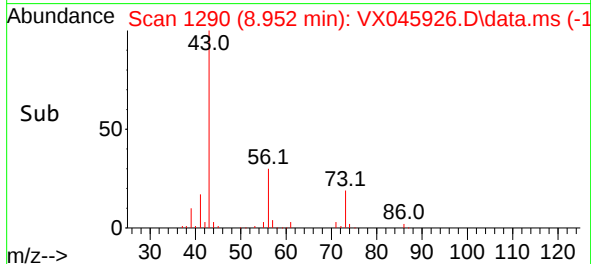
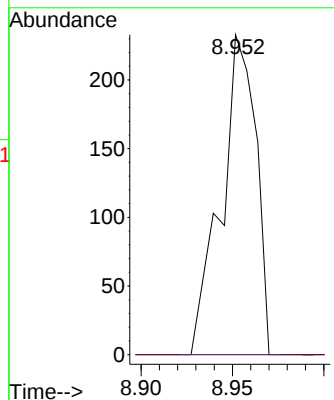
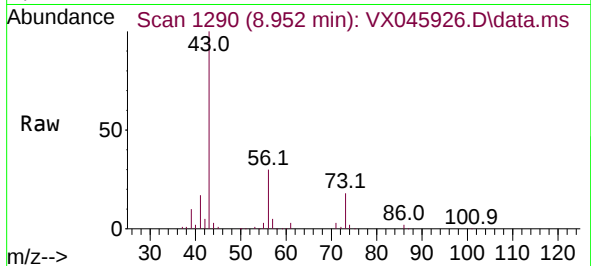




#53
 t-1,3-Dichloropropene
 Concen: 2.487 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX045926.D
 Acq: 24 Apr 2025 14:47

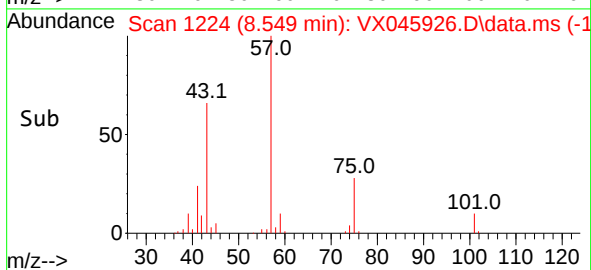
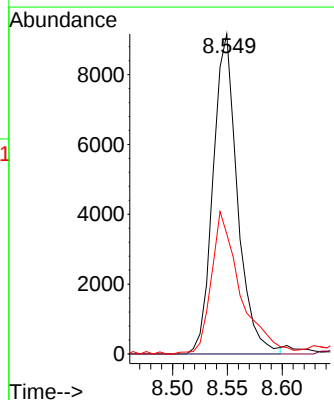
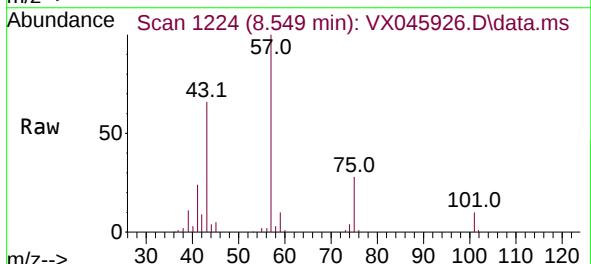
Instrument :
 MSVOA_X
 ClientSampleId :
 72-11977

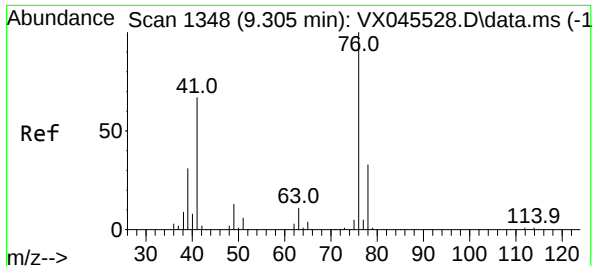
Tgt Ion: 75 Resp: 308
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 9.759 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045926.D
 Acq: 24 Apr 2025 14:47

Tgt Ion: 75 Resp: 14187
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 36.9 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.879 ug/l

RT: 9.476 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX045926.D

Acq: 24 Apr 2025 14:47

Instrument :

MSVOA_X

ClientSampleId :

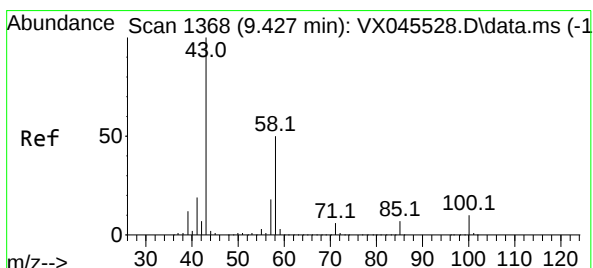
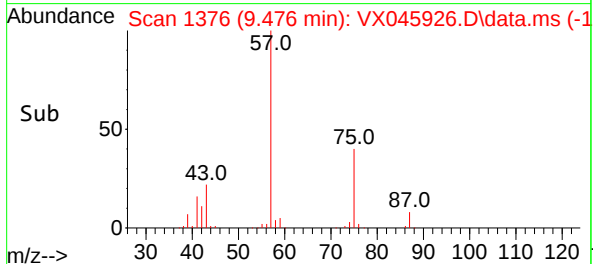
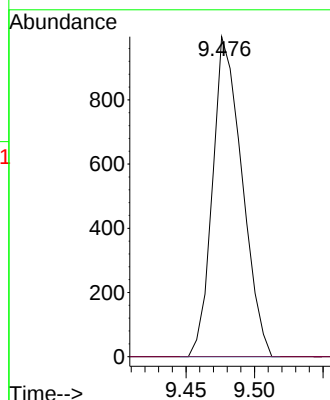
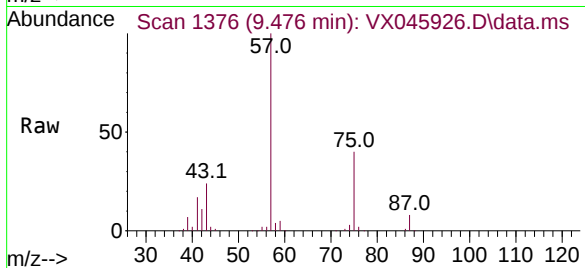
72-11977

Tgt Ion: 76 Resp: 1493

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 11.009 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045926.D

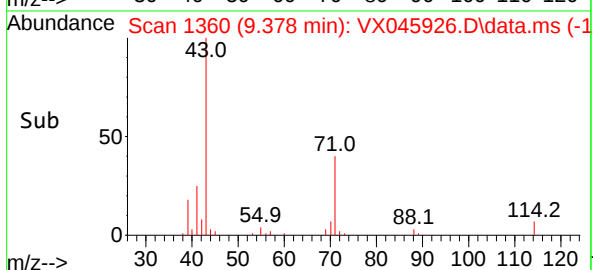
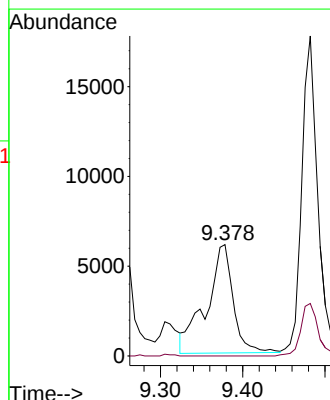
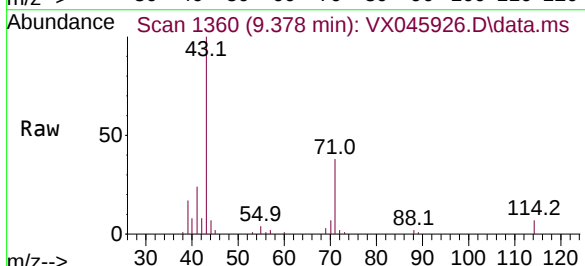
Acq: 24 Apr 2025 14:47

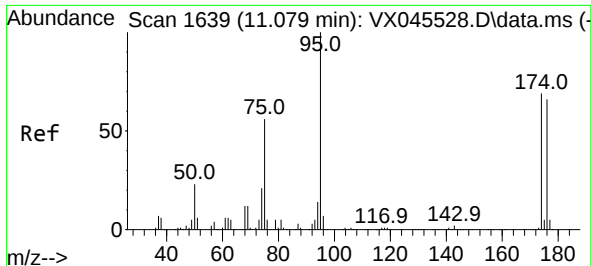
Tgt Ion: 43 Resp: 13669

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

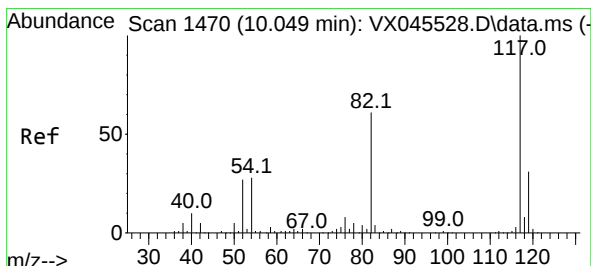
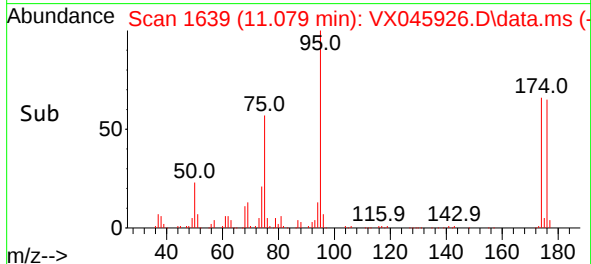
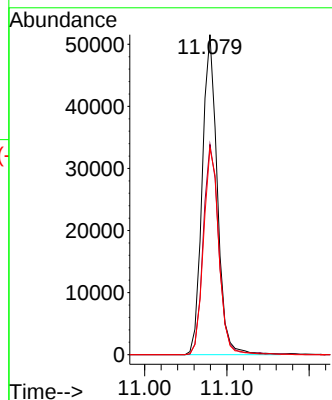
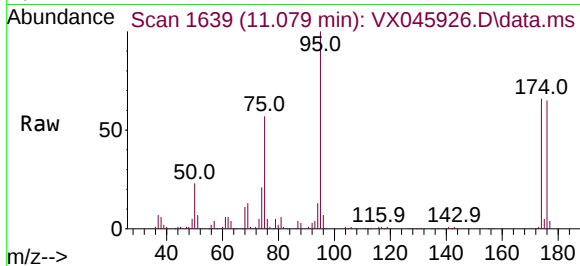




#62
4-Bromofluorobenzene
Concen: 52.565 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

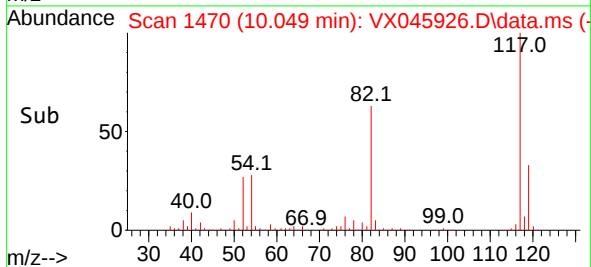
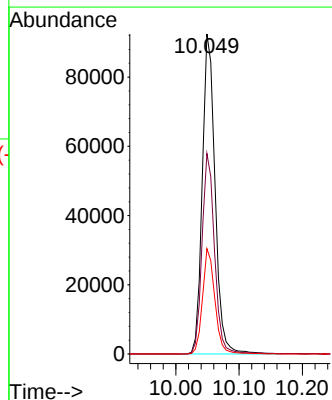
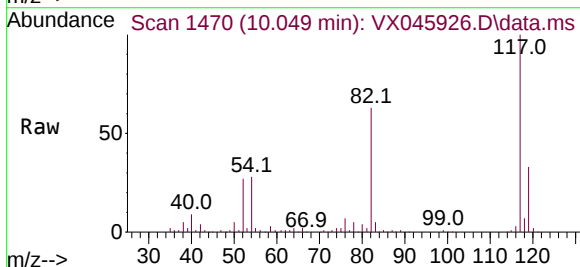
Instrument :
MSVOA_X
ClientSampleId :
72-11977

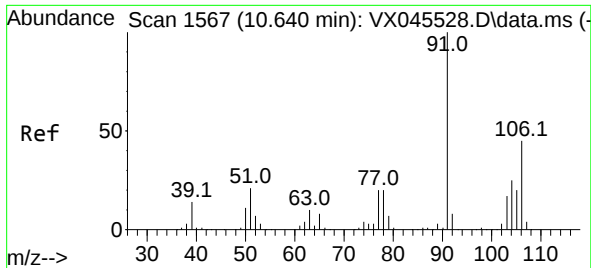
Tgt Ion: 95 Resp: 65543
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 66.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

Tgt Ion: 117 Resp: 130387
Ion Ratio Lower Upper
117 100
82 62.6 49.2 73.8
119 32.9 25.1 37.7

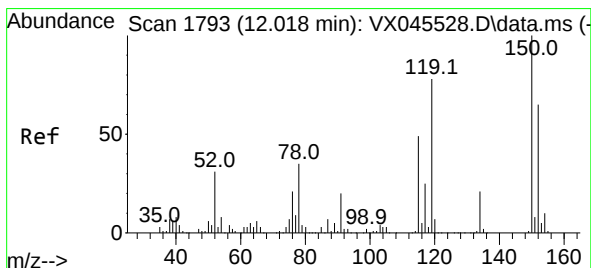
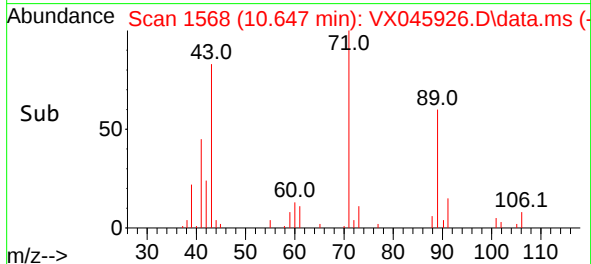
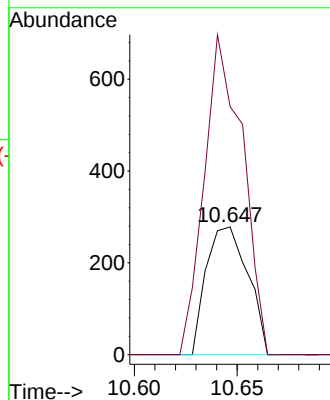
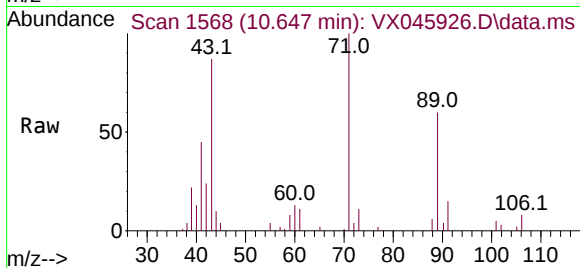




#69
o-Xylene
Concen: 0.219 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

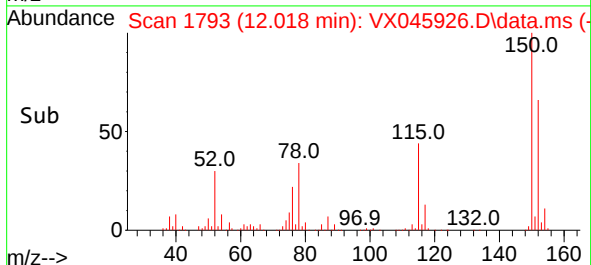
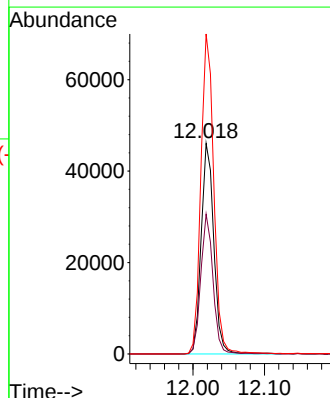
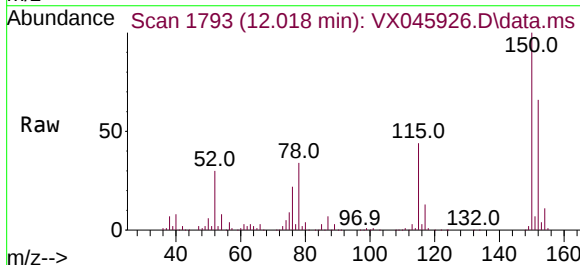
Instrument :
MSVOA_X
ClientSampleId :
72-11977

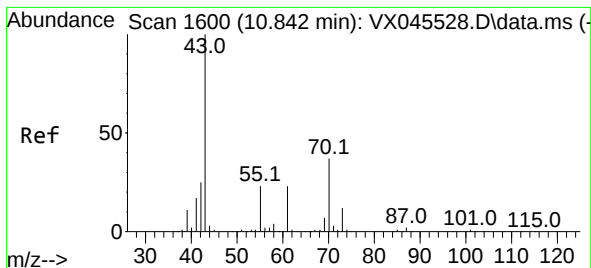
Tgt Ion:106 Resp: 392
Ion Ratio Lower Upper
106 100
91 230.6 113.6 340.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

Tgt Ion:152 Resp: 56639
Ion Ratio Lower Upper
152 100
115 64.0 46.9 140.7
150 155.1 0.0 349.4





#74

N-amy1 acetate

Concen: 0.547 ug/l

RT: 10.781 min Scan# 1188

Delta R.T. -0.061 min

Lab File: VX045926.D

Acq: 24 Apr 2025 14:47

Instrument :

MSVOA_X

ClientSampleId :

72-11977

Tgt Ion: 43 Resp: 1188

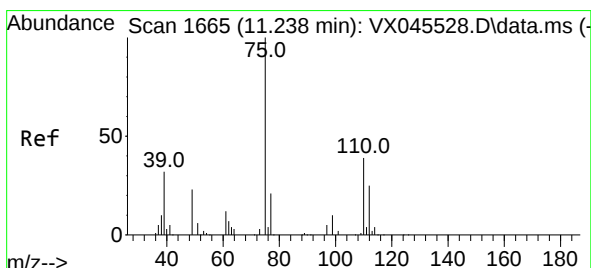
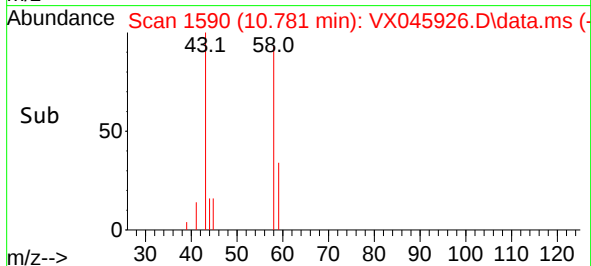
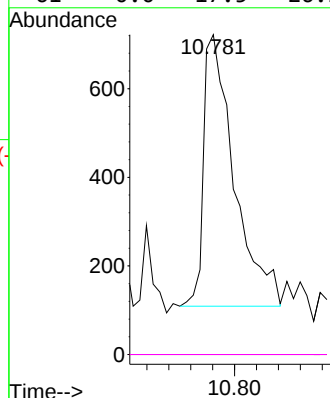
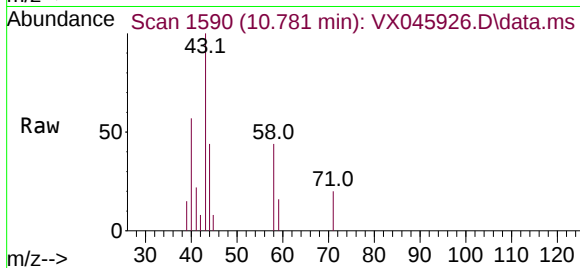
Ion Ratio Lower Upper

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: 27.363 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045926.D

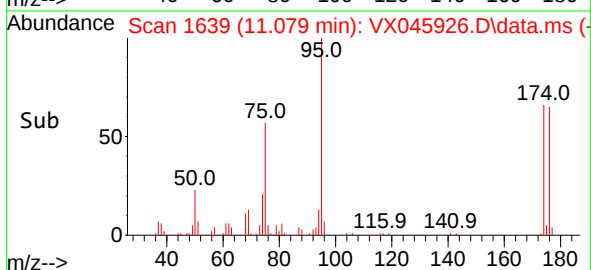
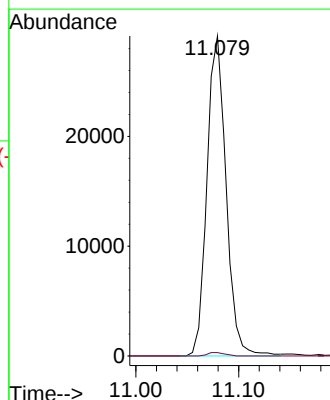
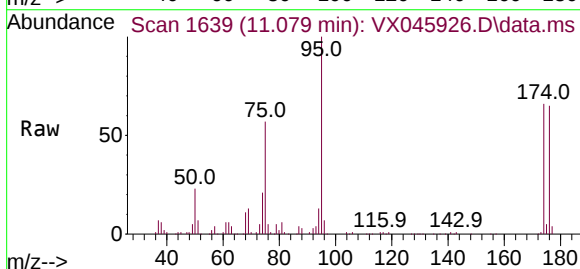
Acq: 24 Apr 2025 14:47

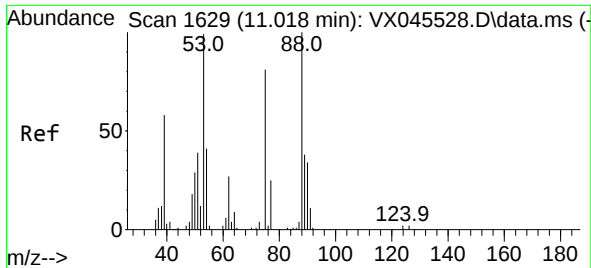
Tgt Ion: 75 Resp: 37803

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 92.865 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045926.D
Acq: 24 Apr 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
72-11977

Tgt Ion: 75 Resp: 37803
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

