

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042925\
 Data File : VX045973.D
 Acq On : 29 Apr 2025 11:35
 Operator : JC/MD
 Sample : VX0429MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429MBL01

Quant Time: Apr 30 01:35:12 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)

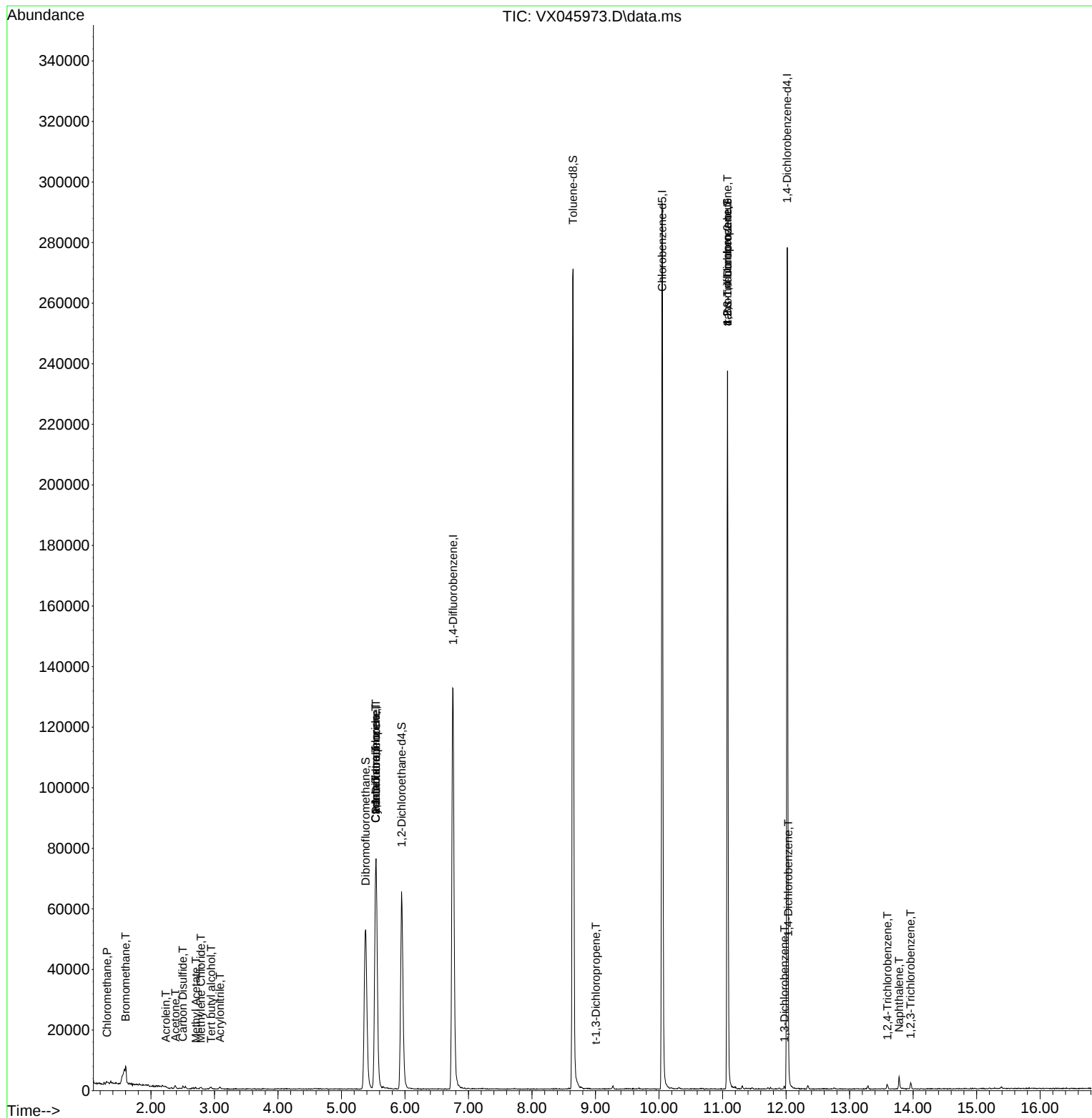
Internal Standards						
1) Pentafluorobenzene	5.544	168	65381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129285	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63970	53.502	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.000%
35) Dibromofluoromethane	5.379	113	46213	50.381	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.760%
50) Toluene-d8	8.647	98	161216	50.354	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.700%
62) 4-Bromofluorobenzene	11.079	95	60608	51.970	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.940%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	1077	1.072	ug/l #	79
5) Bromomethane	1.599	94	152	0.349	ug/l #	63
11) Tert butyl alcohol	2.947	59	390	2.427	ug/l #	72
13) Acrolein	2.233	56	226	1.021	ug/l #	71
15) Acrylonitrile	3.087	53	213	0.420	ug/l #	27
16) Acetone	2.386	43	1099	2.238	ug/l	90
17) Carbon Disulfide	2.502	76	1023	0.528	ug/l #	94
18) Methyl Acetate	2.709	43	459	0.406	ug/l #	74
20) Methylene Chloride	2.788	84	304	0.331	ug/l #	56
31) Cyclohexane	5.538	56	2123	1.447	ug/l #	41
36) 1,1-Dichloropropene	5.544	75	6705	5.414	ug/l #	50
38) Carbon Tetrachloride	5.538	117	7603	5.680	ug/l #	15
53) t-1,3-Dichloropropene	9.007	75	69	2.336	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	35723	29.345	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35723	99.593	ug/l #	1
87) 1,3-Dichlorobenzene	11.976	146	387	0.230	ug/l #	65
88) 1,4-Dichlorobenzene	12.036	146	533	0.313	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	531	0.571	ug/l	97
95) Naphthalene	13.780	128	3206	0.926	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	567	0.582	ug/l	79

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

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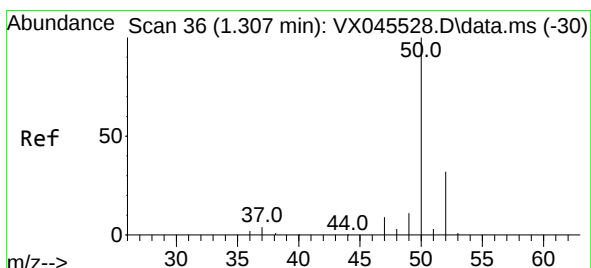
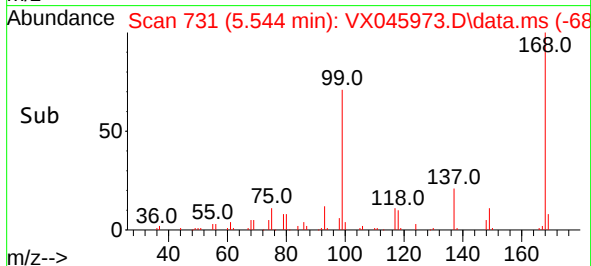
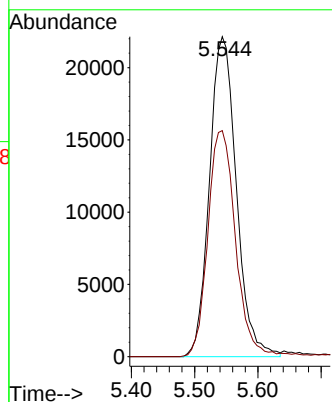
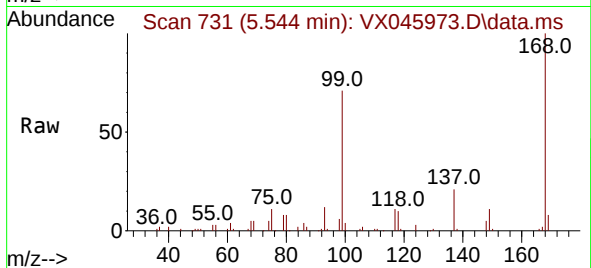




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

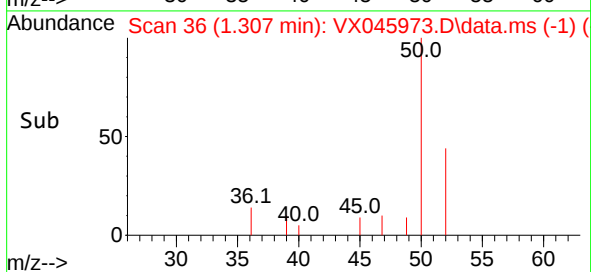
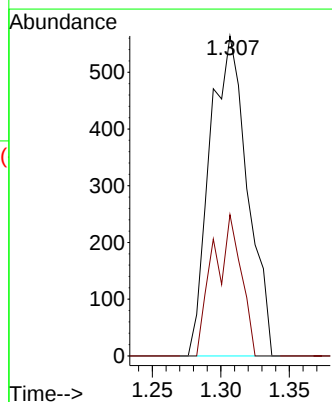
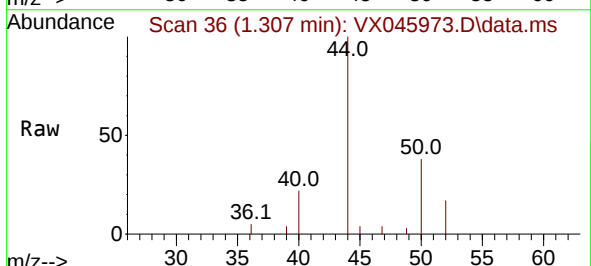
Instrument :
MSVOA_X
ClientSampleId :
VX0429MBL01

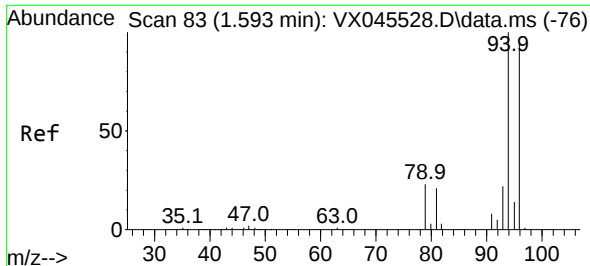
Tgt Ion:168 Resp: 65381
Ion Ratio Lower Upper
168 100
99 70.6 52.3 78.5



#3
Chloromethane
Concen: 1.072 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

Tgt Ion: 50 Resp: 1077
Ion Ratio Lower Upper
50 100
52 44.1 25.9 38.9#

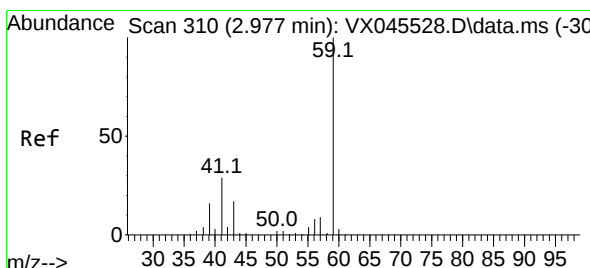
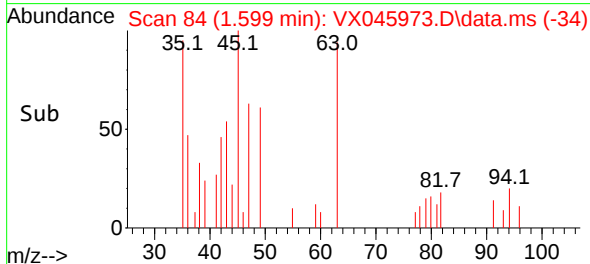
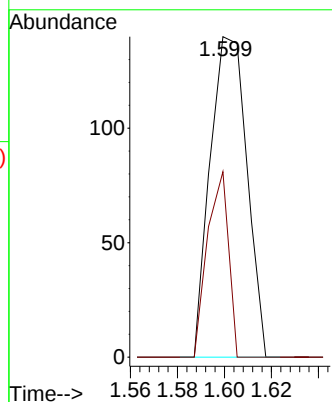
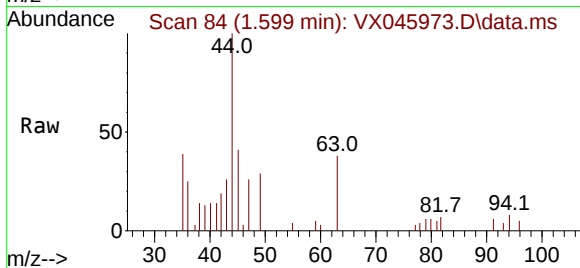




#5
Bromomethane
Concen: 0.349 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

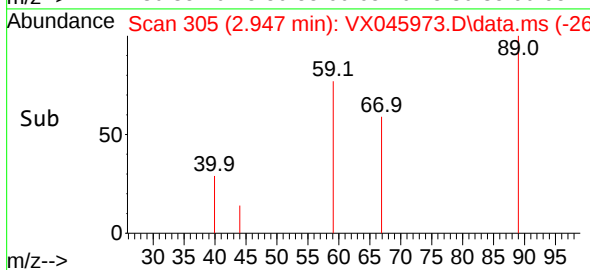
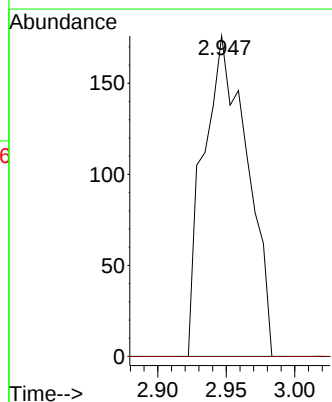
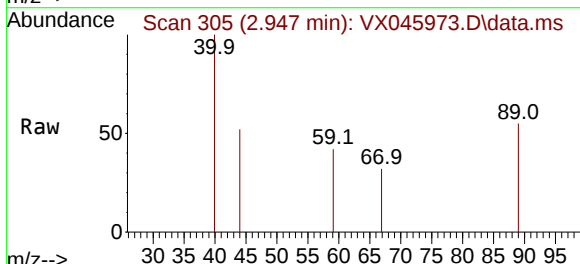
Instrument :
MSVOA_X
ClientSampleId :
VX0429MBL01

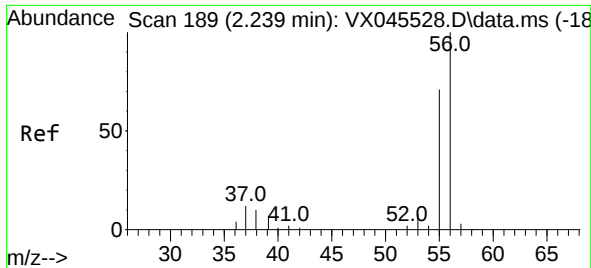
Tgt Ion: 94 Resp: 152
Ion Ratio Lower Upper
94 100
96 57.9 74.8 112.2#



#11
Tert butyl alcohol
Concen: 2.427 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

Tgt Ion: 59 Resp: 390
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 1.021 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX045973.D

Acq: 29 Apr 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

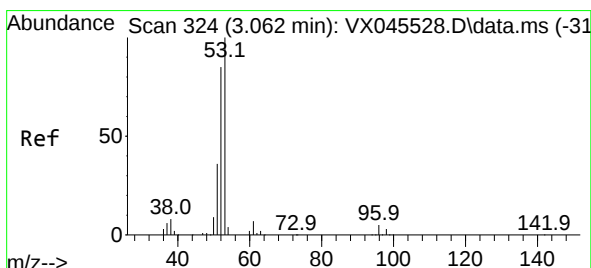
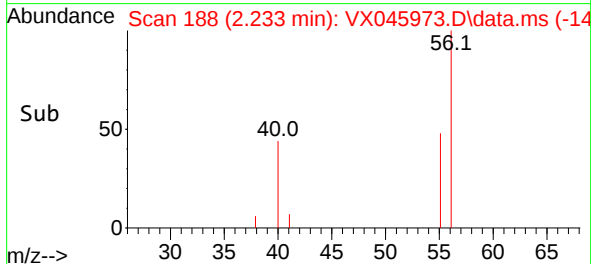
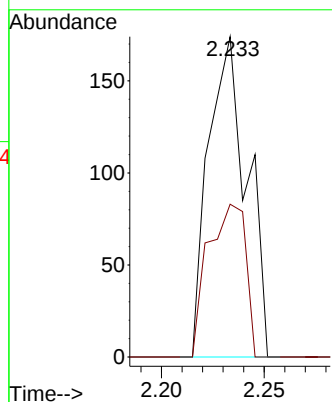
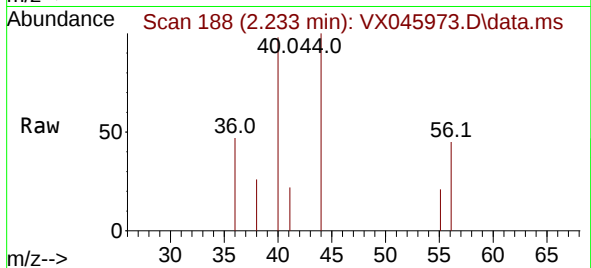
VX0429MBL01

Tgt Ion: 56 Resp: 226

Ion Ratio Lower Upper

56 100

55 46.5 56.2 84.2#



#15

Acrylonitrile

Concen: 0.420 ug/l

RT: 3.087 min Scan# 328

Delta R.T. 0.024 min

Lab File: VX045973.D

Acq: 29 Apr 2025 11:35

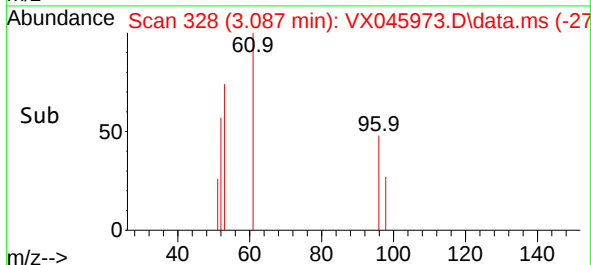
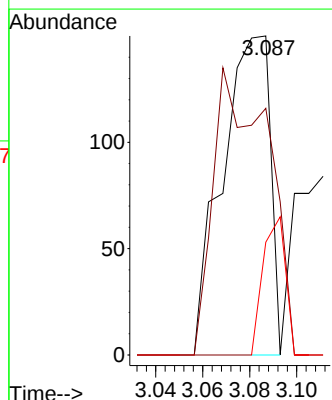
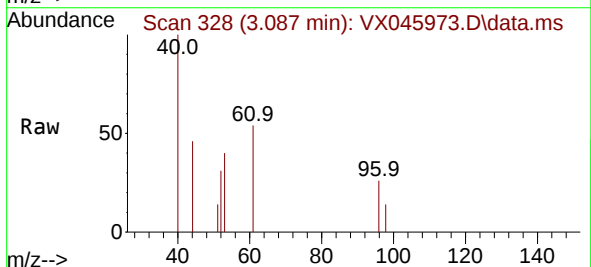
Tgt Ion: 53 Resp: 213

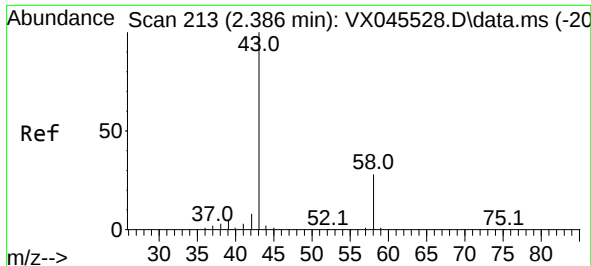
Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.2#

51 20.2 29.9 44.9#

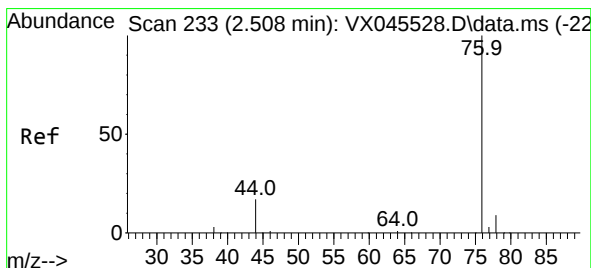
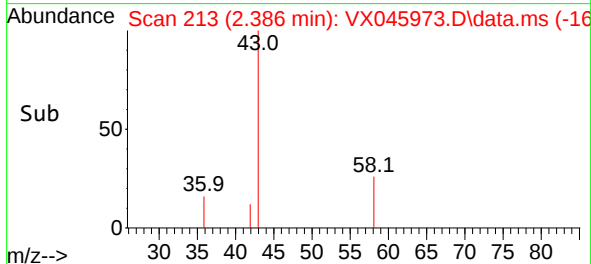
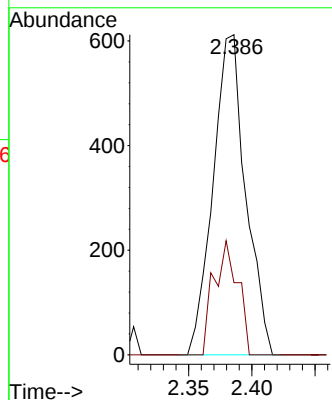
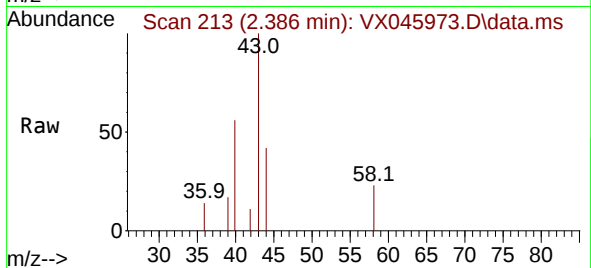




#16
Acetone
Concen: 2.238 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

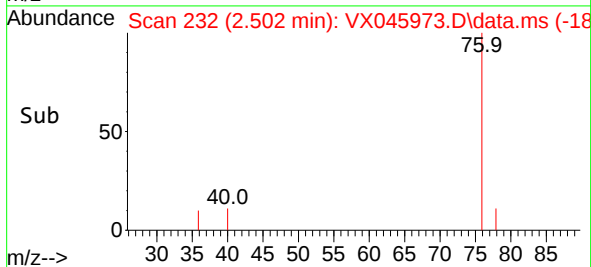
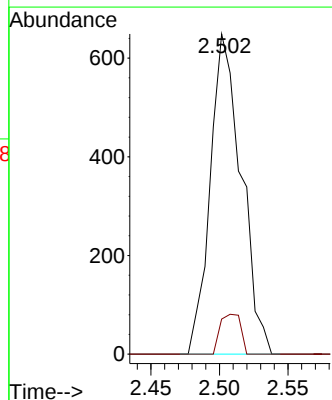
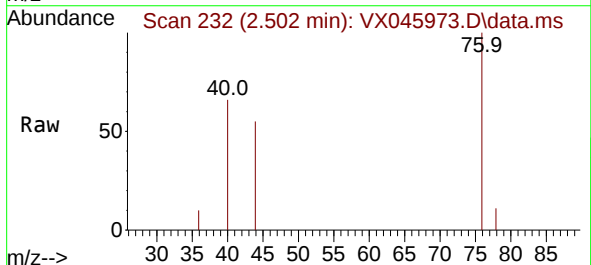
Instrument :
MSVOA_X
ClientSampleId :
VX0429MBL01

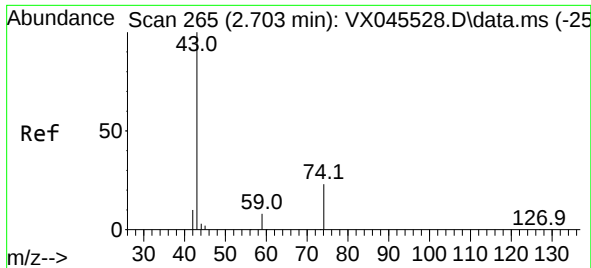
Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
58 22.5 22.3 33.5



#17
Carbon Disulfide
Concen: 0.528 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.006 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

Tgt Ion: 76 Resp: 1023
Ion Ratio Lower Upper
76 100
78 10.9 7.0 10.6#

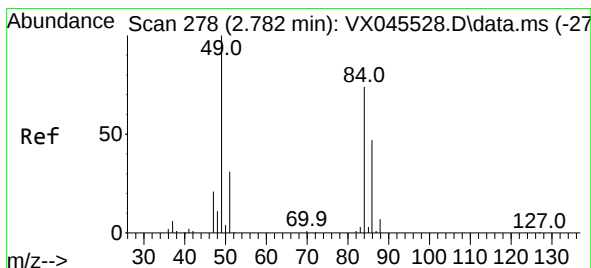
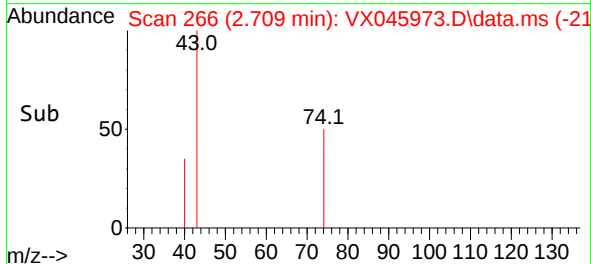
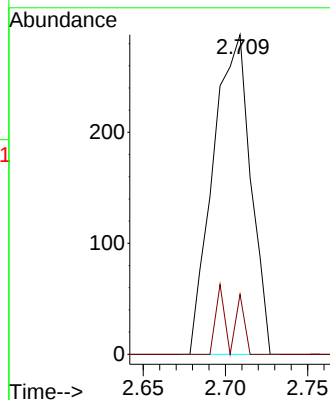
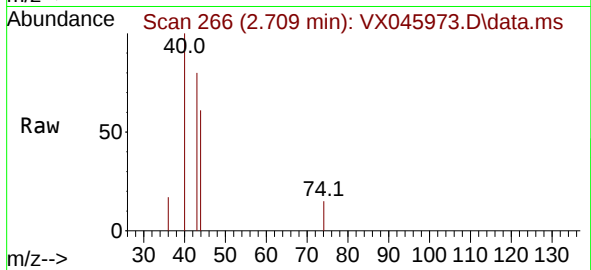




#18
Methyl Acetate
Concen: 0.406 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

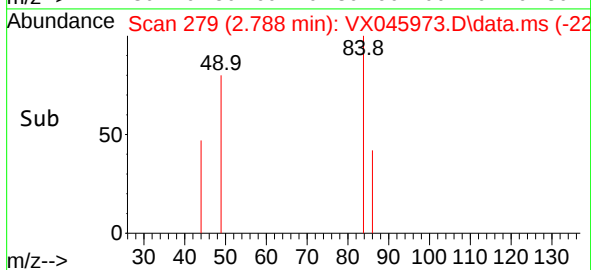
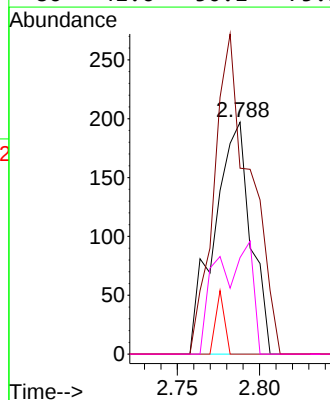
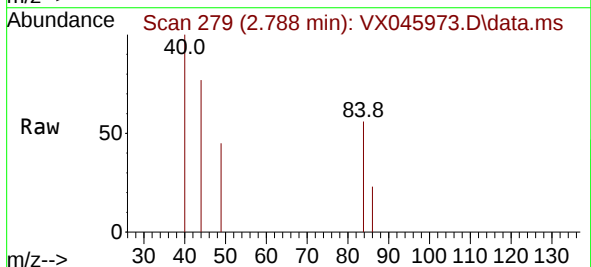
Instrument :
MSVOA_X
ClientSampleId :
VX0429MBL01

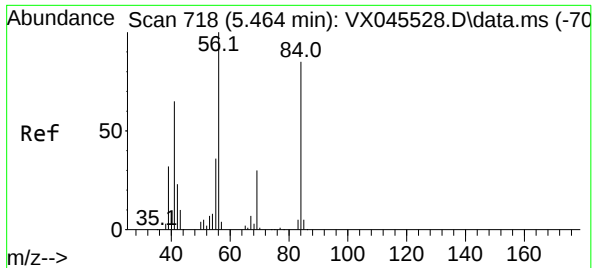
Tgt Ion: 43 Resp: 459
Ion Ratio Lower Upper
43 100
74 9.4 17.5 26.3#



#20
Methylene Chloride
Concen: 0.331 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

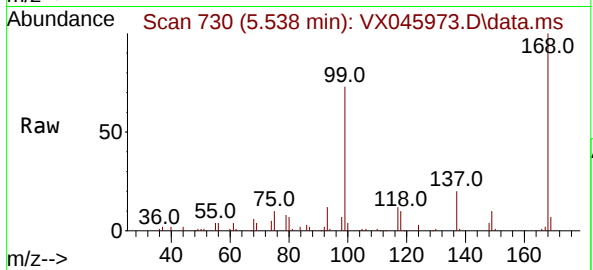
Tgt Ion: 84 Resp: 304
Ion Ratio Lower Upper
84 100
49 80.2 107.5 161.3#
51 0.0 33.0 49.6#
86 41.6 50.1 75.1#





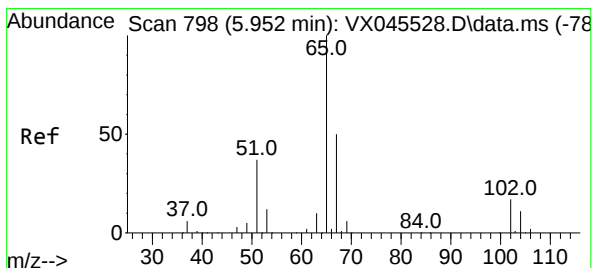
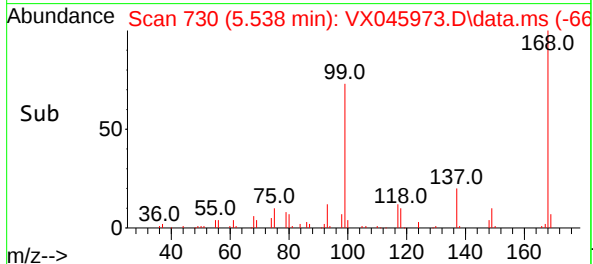
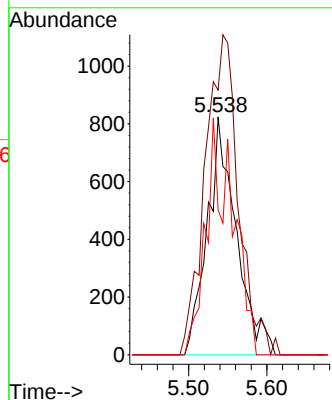
#31
Cyclohexane
Concen: 1.447 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0429MBL01



Tgt Ion: 56 Resp: 2123

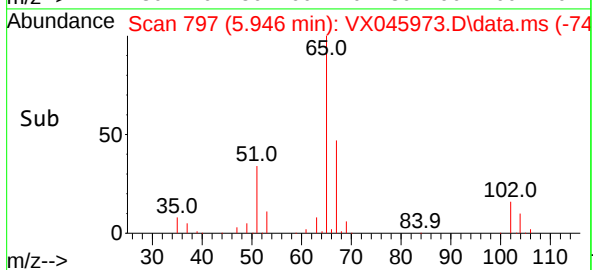
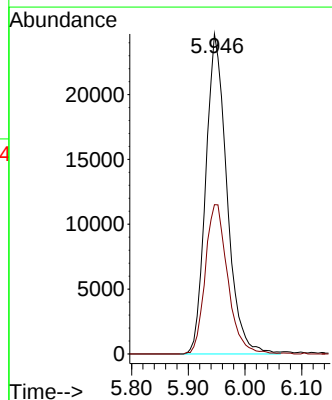
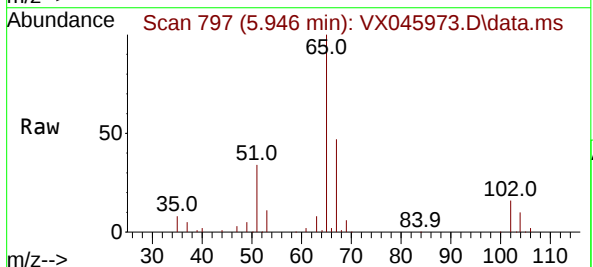
Ion	Ratio	Lower	Upper
56	100		
69	111.3	23.6	35.4#
84	60.9	67.7	101.5#

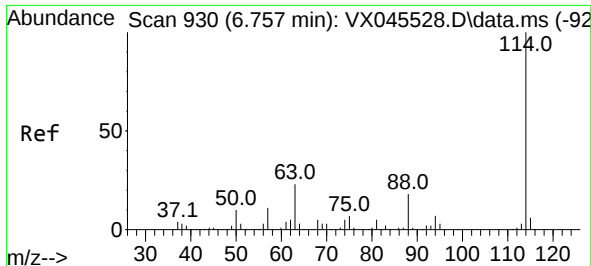


#33
1,2-Dichloroethane-d4
Concen: 53.502 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

Tgt Ion: 65 Resp: 63970

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	99.0

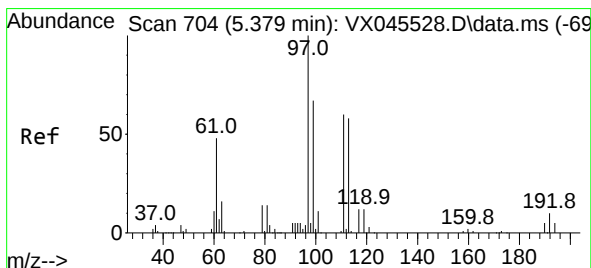
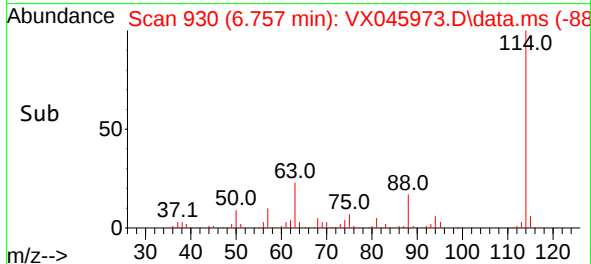
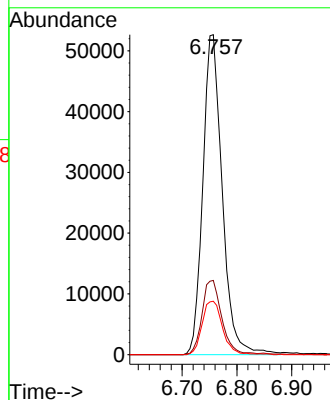
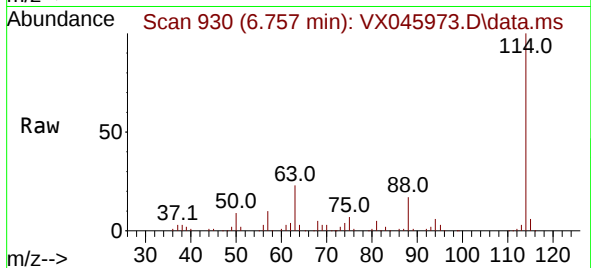




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

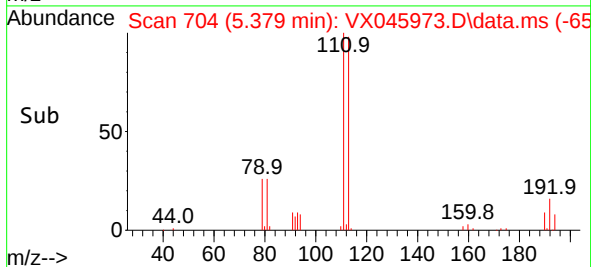
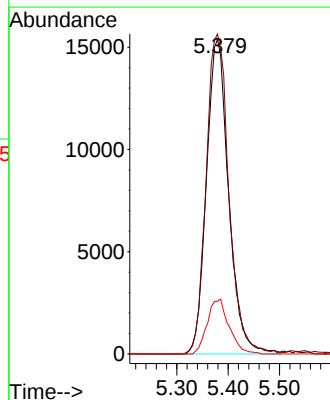
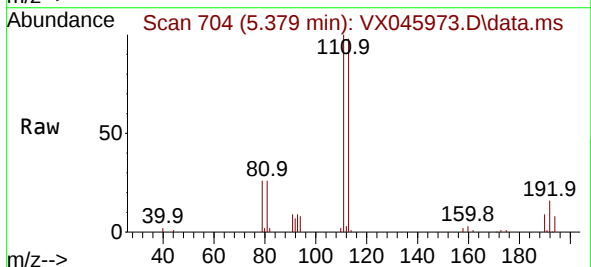
Instrument :
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ClientSampleId :
VX0429MBL01

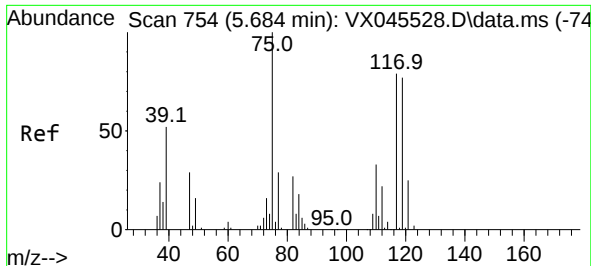
Tgt Ion:114 Resp: 129285
Ion Ratio Lower Upper
114 100
63 23.2 0.0 46.8
88 16.7 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.381 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

Tgt Ion:113 Resp: 46213
Ion Ratio Lower Upper
113 100
111 104.1 81.8 122.6
192 17.1 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.414 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045973.D

Acq: 29 Apr 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0429MBL01

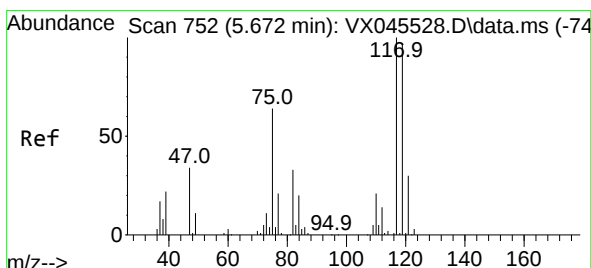
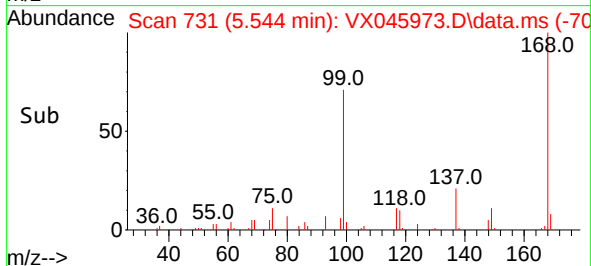
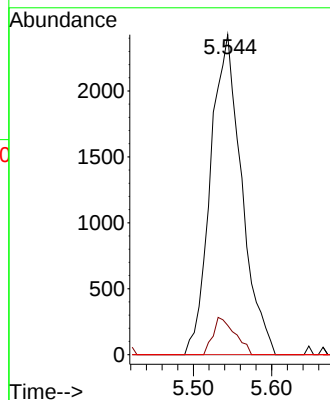
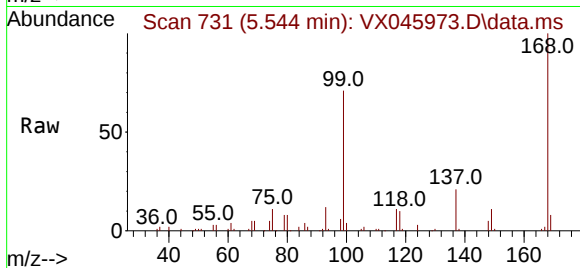
Tgt Ion: 75 Resp: 6705

Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.680 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX045973.D

Acq: 29 Apr 2025 11:35

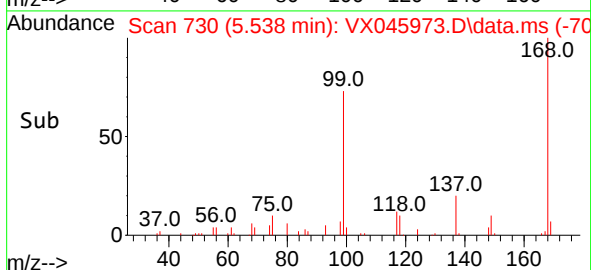
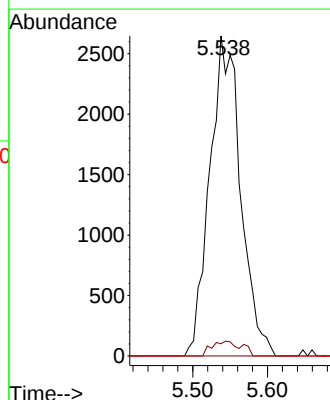
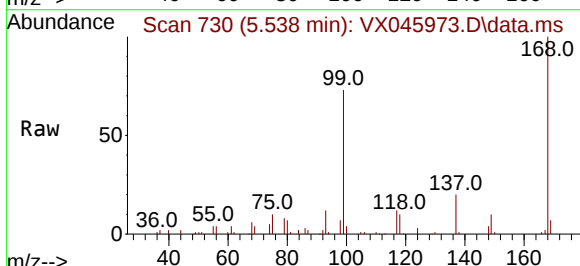
Tgt Ion: 117 Resp: 7603

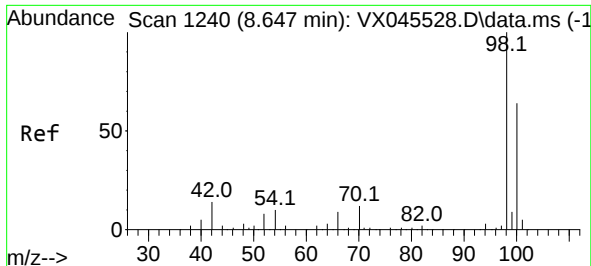
Ion Ratio Lower Upper

117 100

119 3.8 76.9 115.3#

121 0.0 24.2 36.2#

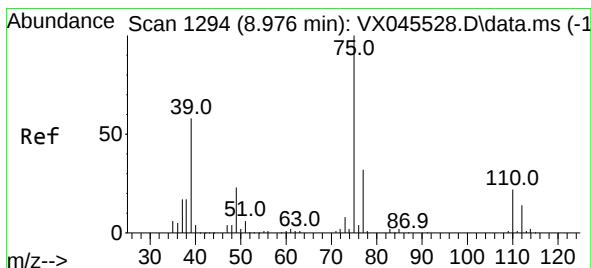
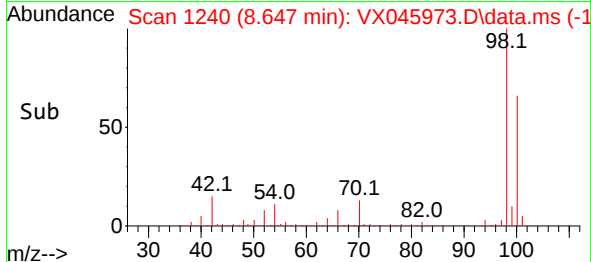
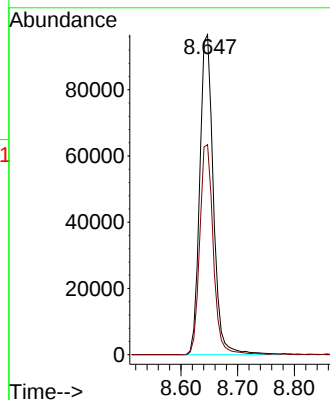
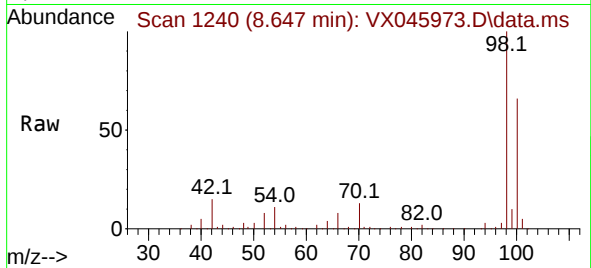




#50
Toluene-d8
Concen: 50.354 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

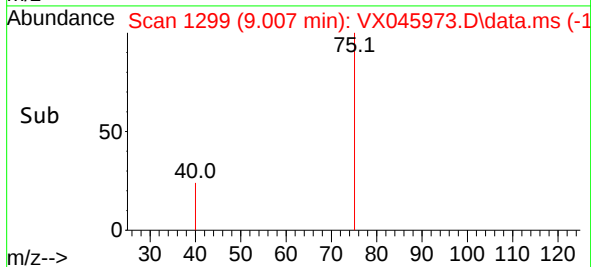
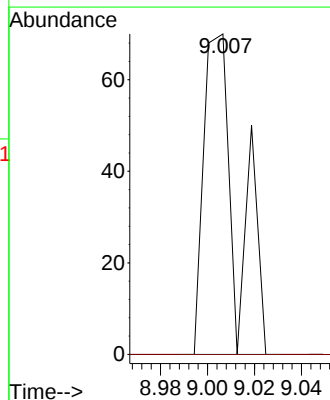
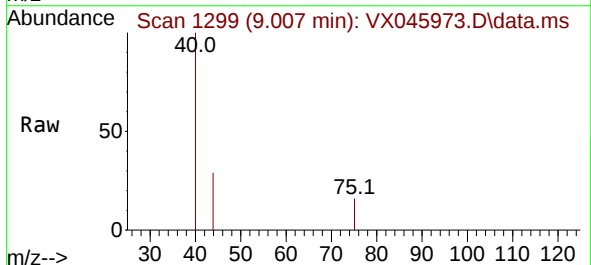
Instrument :
MSVOA_X
ClientSampleId :
VX0429MBL01

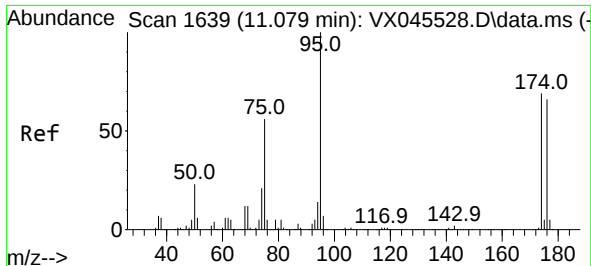
Tgt Ion: 98 Resp: 161216
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#53
t-1,3-Dichloropropene
Concen: 2.336 ug/l
RT: 9.007 min Scan# 1299
Delta R.T. 0.031 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

Tgt Ion: 75 Resp: 69
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

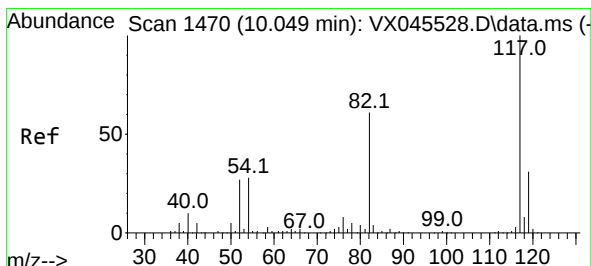
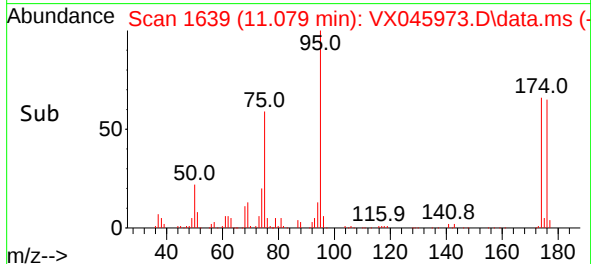
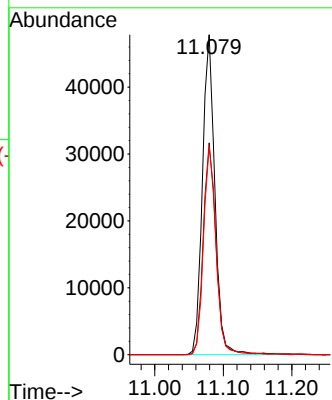
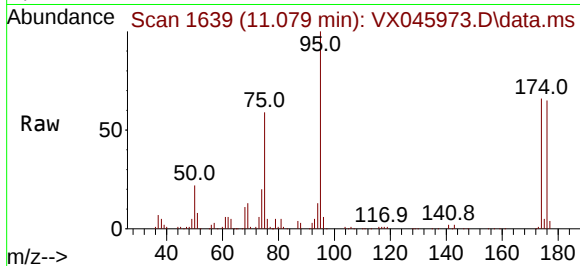




#62
4-Bromofluorobenzene
Concen: 51.970 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

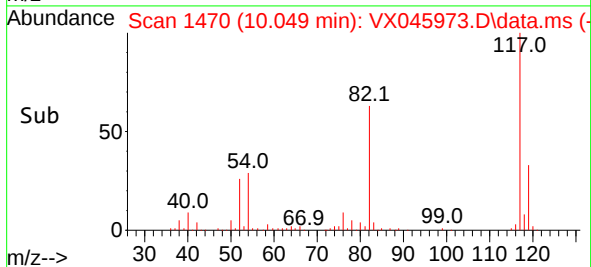
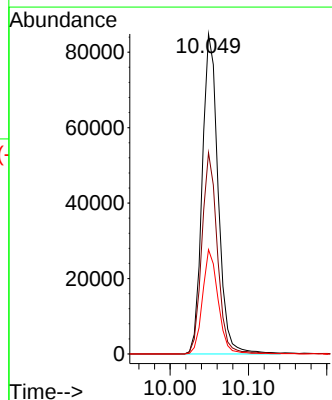
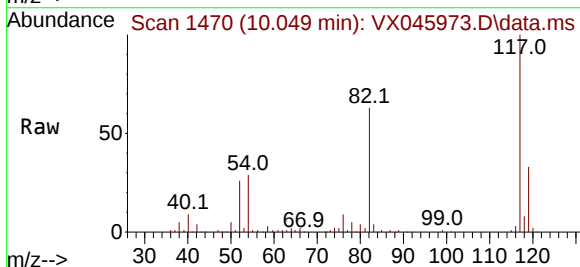
Instrument :
MSVOA_X
ClientSampleId :
VX0429MBL01

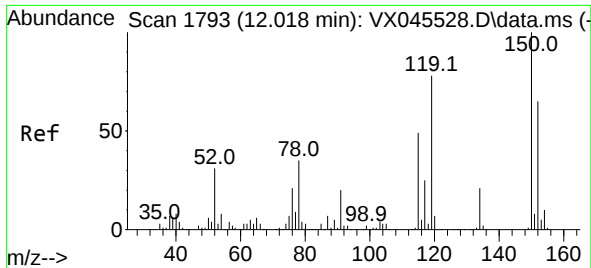
Tgt Ion: 95 Resp: 60608
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.8
176 65.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

Tgt Ion: 117 Resp: 119781
Ion Ratio Lower Upper
117 100
82 62.9 49.2 73.8
119 32.6 25.1 37.7

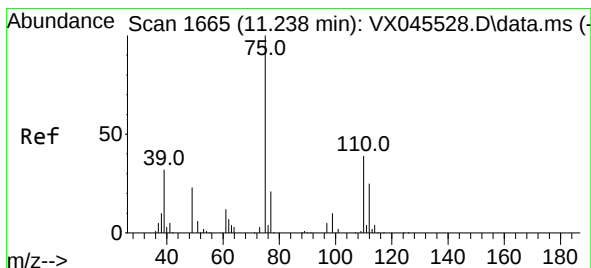
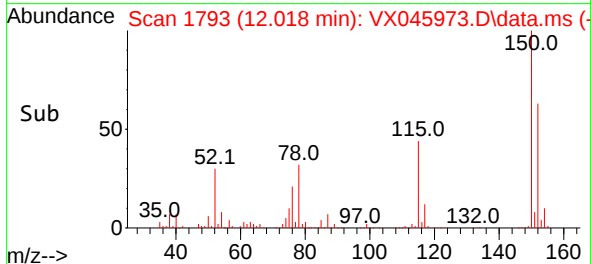
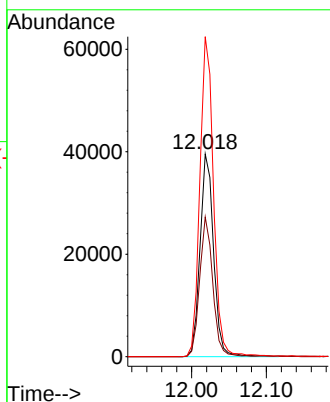
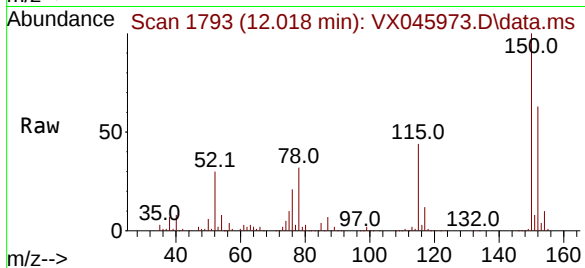




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

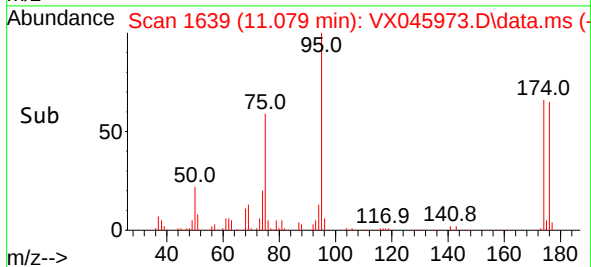
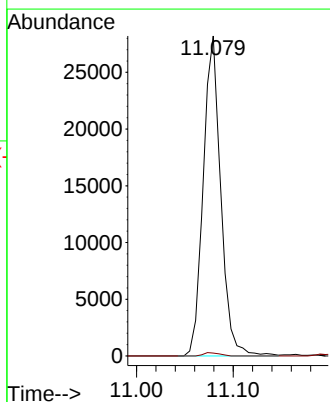
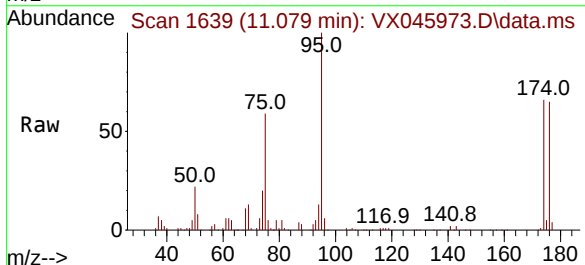
Instrument :
MSVOA_X
ClientSampleId :
VX0429MBL01

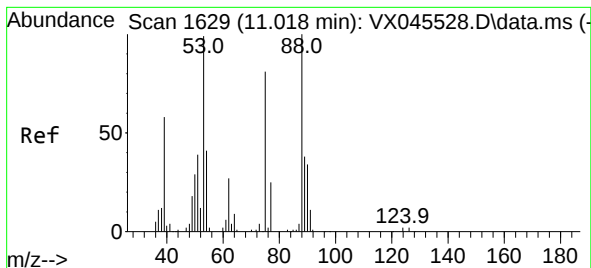
Tgt Ion:152 Resp: 49907
Ion Ratio Lower Upper
152 100
115 66.6 46.9 140.7
150 158.8 0.0 349.4



#76
1,2,3-Trichloropropane
Concen: 29.345 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

Tgt Ion: 75 Resp: 35723
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#

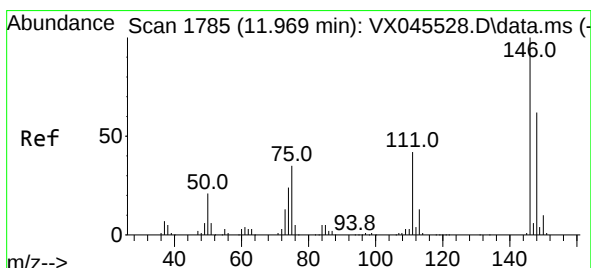
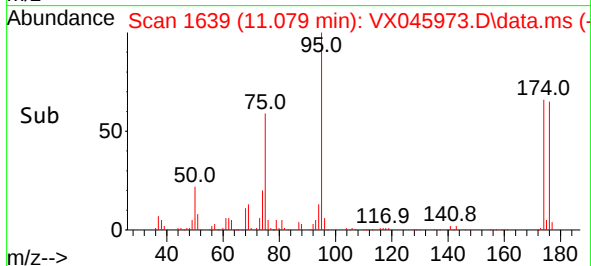
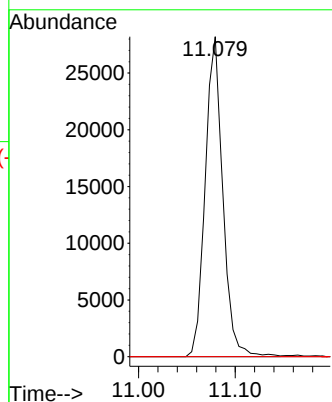
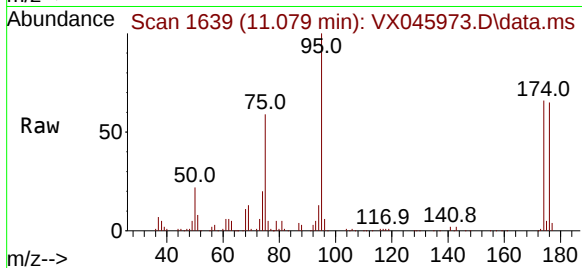




#81
trans-1,4-Dichloro-2-butene
Concen: 99.593 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

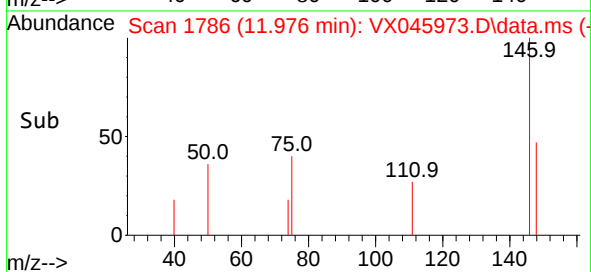
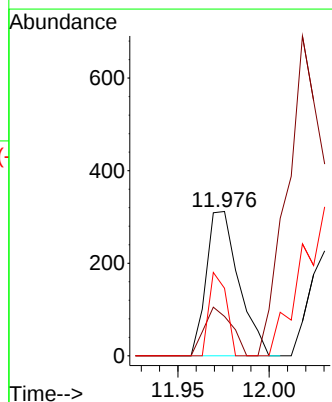
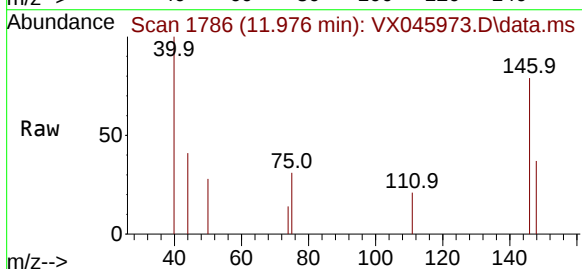
Instrument :
MSVOA_X
ClientSampleId :
VX0429MBL01

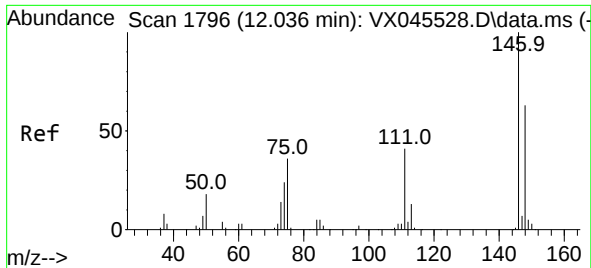
Tgt Ion: 75 Resp: 35723
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.230 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX045973.D
Acq: 29 Apr 2025 11:35

Tgt Ion:146 Resp: 387
Ion Ratio Lower Upper
146 100
111 28.2 22.2 66.6
148 30.7 31.9 95.7#

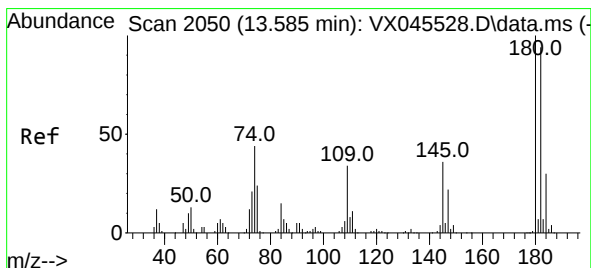
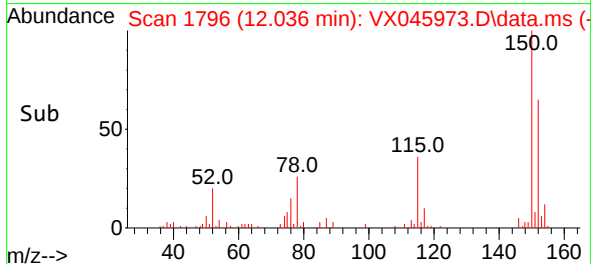
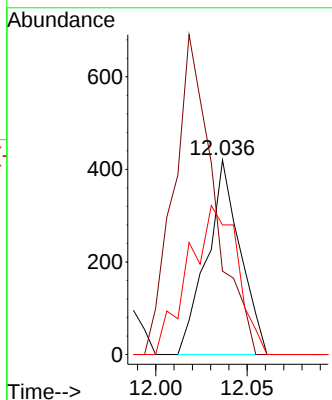
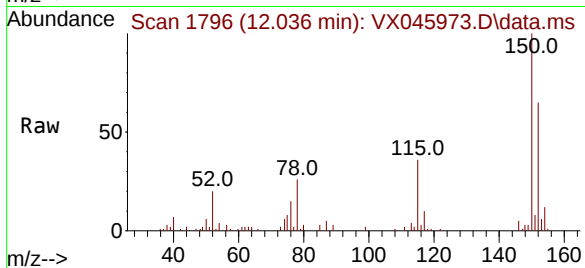




#88
 1,4-Dichlorobenzene
 Concen: 0.313 ug/l
 RT: 12.036 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045973.D
 Acq: 29 Apr 2025 11:35

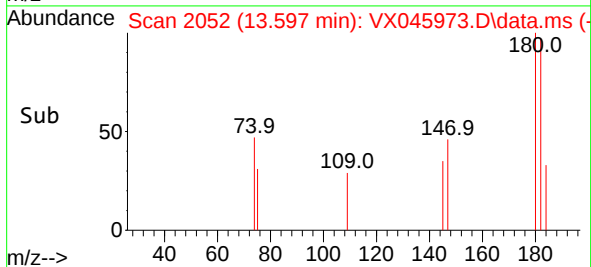
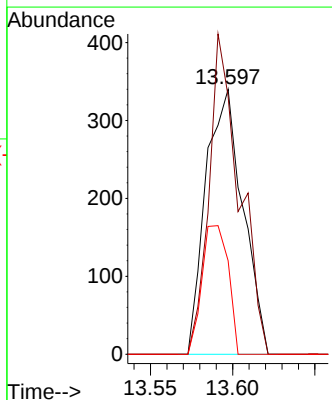
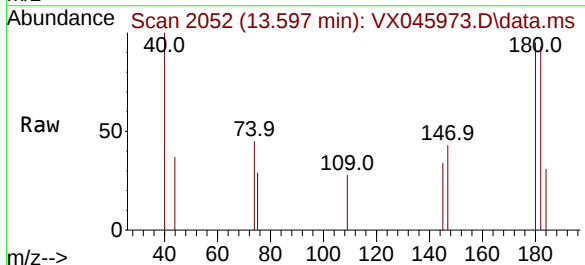
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429MBL01

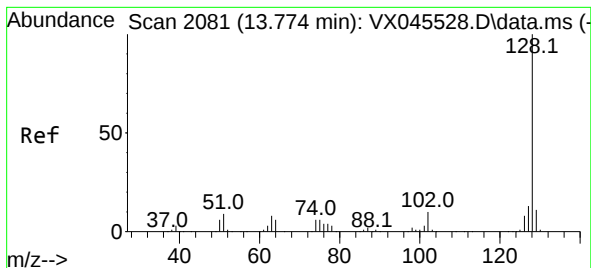
Tgt Ion:146 Resp: 533
 Ion Ratio Lower Upper
 146 100
 111 198.3 20.9 62.8#
 148 112.9 31.5 94.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.571 ug/l
 RT: 13.597 min Scan# 2052
 Delta R.T. 0.012 min
 Lab File: VX045973.D
 Acq: 29 Apr 2025 11:35

Tgt Ion:180 Resp: 531
 Ion Ratio Lower Upper
 180 100
 182 99.1 47.9 143.6
 145 34.5 17.9 53.8





#95

Naphthalene

Concen: 0.926 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX045973.D

Acq: 29 Apr 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0429MBL01

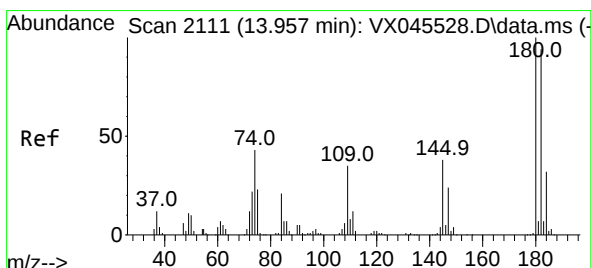
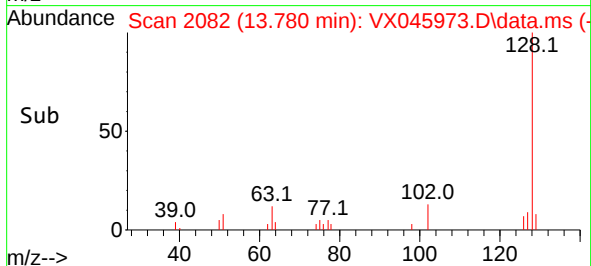
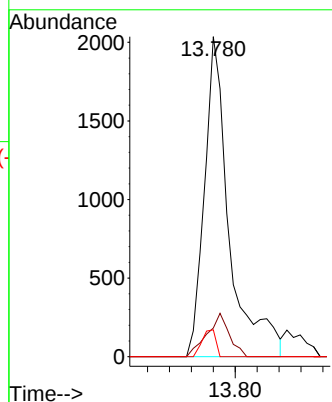
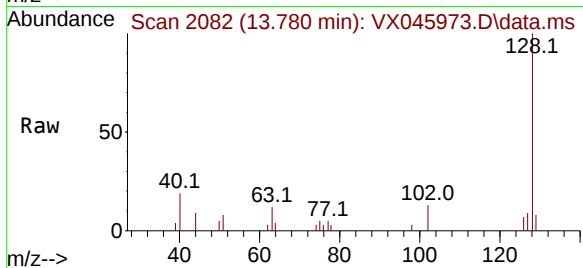
Tgt Ion:128 Resp: 3206

Ion Ratio Lower Upper

128 100

127 12.0 10.3 15.5

129 4.6 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 0.582 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045973.D

Acq: 29 Apr 2025 11:35

Tgt Ion:180 Resp: 567

Ion Ratio Lower Upper

180 100

182 120.8 47.3 141.8

145 33.9 18.2 54.6

