

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045928.D
 Acq On : 24 Apr 2025 15:33
 Operator : JC/MD
 Sample : Q1852-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12013

Quant Time: Apr 25 02:27:47 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)

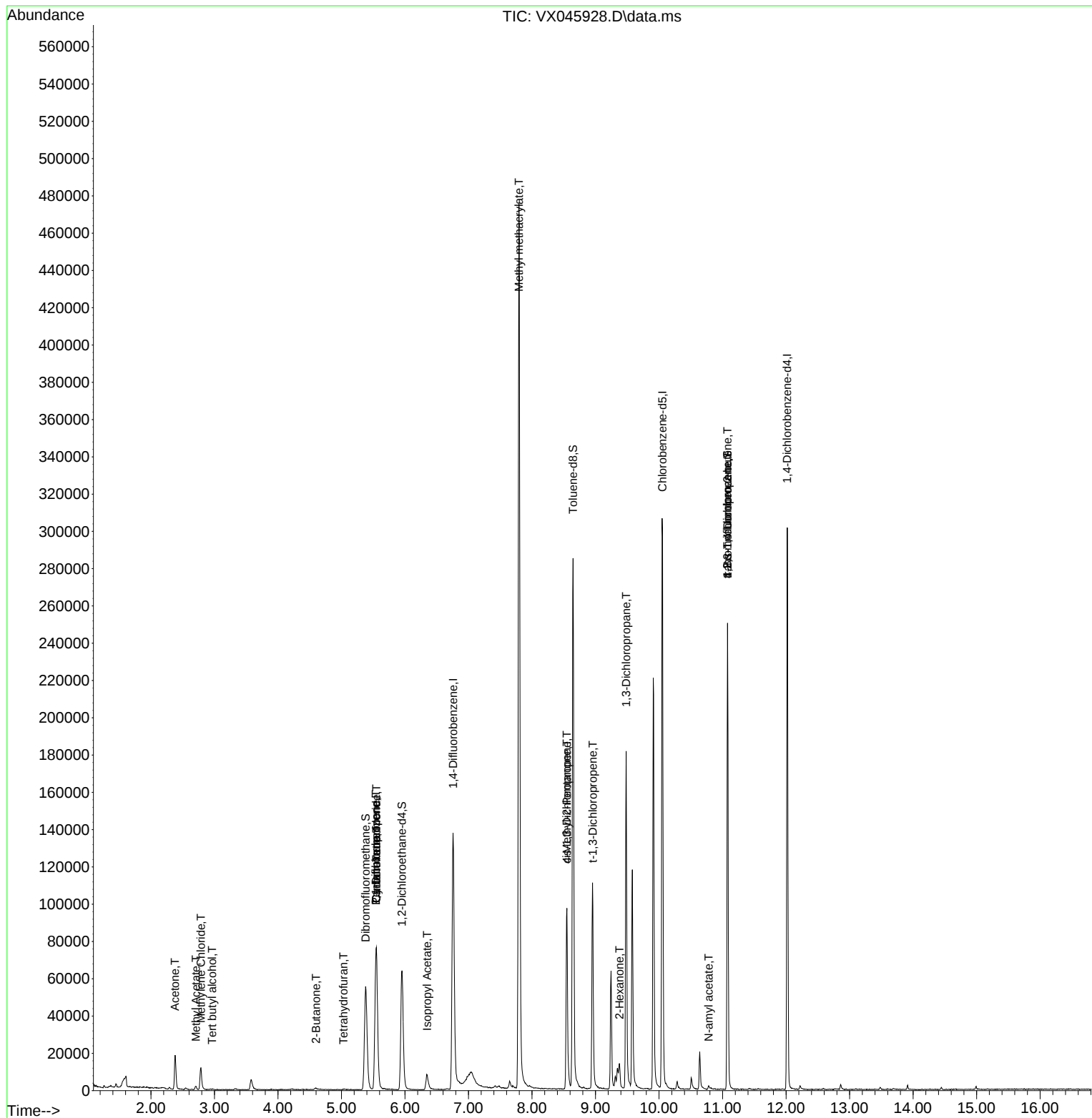
Internal Standards						
1) Pentafluorobenzene	5.543	168	66443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129208	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67126	55.245	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.480%
35) Dibromofluoromethane	5.379	113	47968	52.325	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.640%
50) Toluene-d8	8.647	98	168299	52.597	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.200%
62) 4-Bromofluorobenzene	11.079	95	62973	54.030	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	290	1.776	ug/l #	72
16) Acetone	2.379	43	21149	42.388	ug/l	96
18) Methyl Acetate	2.709	43	2415	2.102	ug/l #	88
20) Methylene Chloride	2.788	84	5440	5.824	ug/l	90
25) 2-Butanone	4.598	43	1495	2.047	ug/l #	87
29) Tetrahydrofuran	5.031	42	146	0.308	ug/l #	49
31) Cyclohexane	5.550	56	1952	1.310	ug/l #	31
36) 1,1-Dichloropropene	5.543	75	6390	5.162	ug/l #	53
38) Carbon Tetrachloride	5.550	117	8054	6.021	ug/l #	16
43) Isopropyl Acetate	6.348	43	11989	5.071	ug/l	98
48) Methyl methacrylate	7.793	41	47337	38.780	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	39749	25.362	ug/l #	51
53) t-1,3-Dichloropropene	8.957	75	147	2.390	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14167	10.426	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	1562	0.984	ug/l #	42
59) 2-Hexanone	9.378	43	13015	11.214	ug/l #	28
74) N-amyl acetate	10.780	43	1179	0.575	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	36290	27.791	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	36290	94.321	ug/l #	1

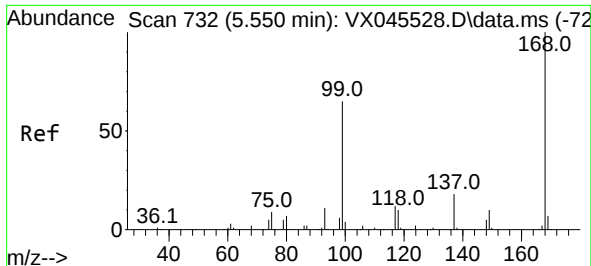
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
72-12013

Quant Time: Apr 25 02:27:47 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

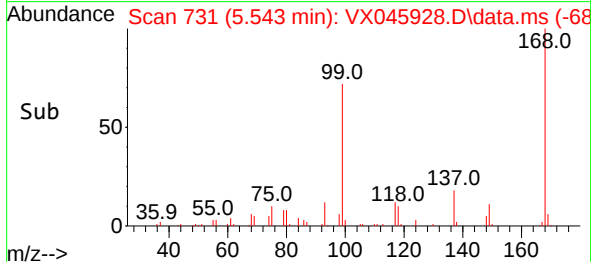
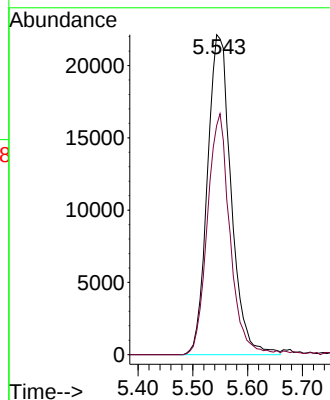
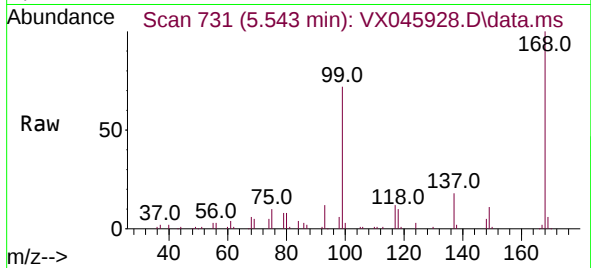




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

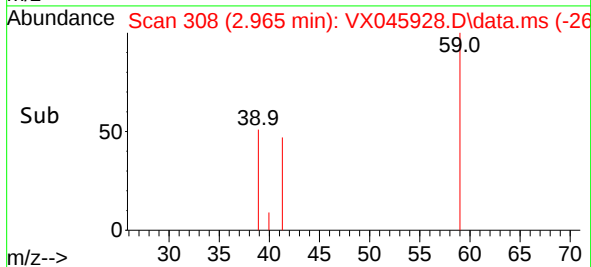
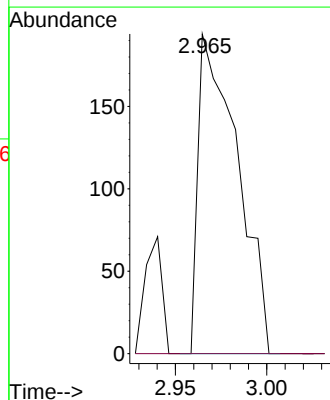
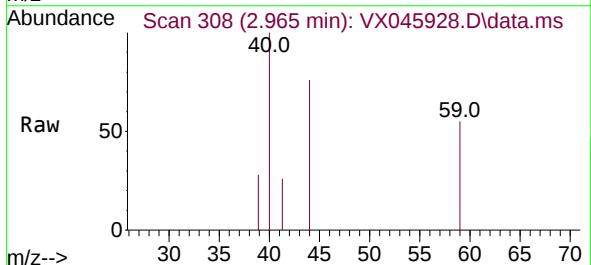
Instrument :
MSVOA_X
ClientSampleId :
72-12013

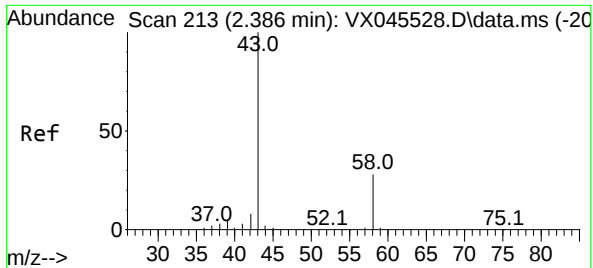
Tgt Ion:168 Resp: 66443
Ion Ratio Lower Upper
168 100
99 71.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.776 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

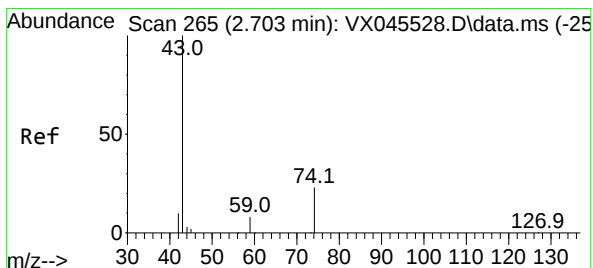
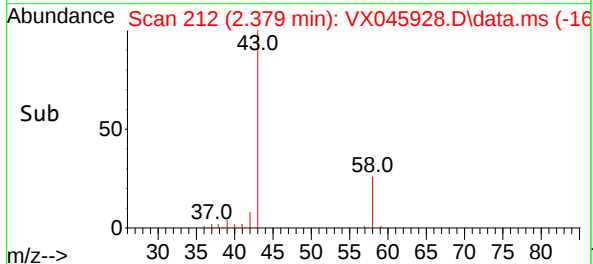
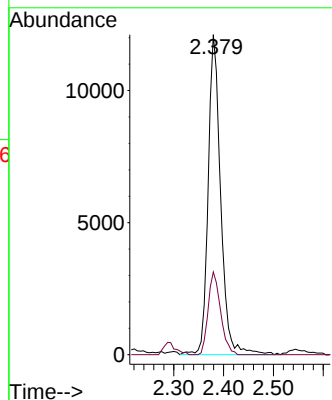
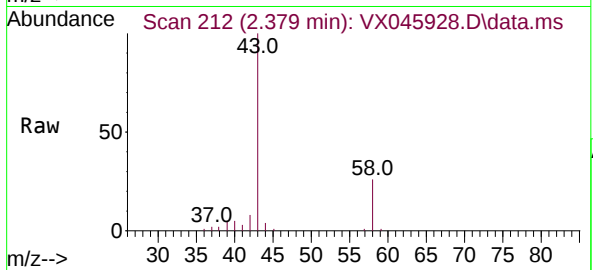




#16
Acetone
Concen: 42.388 ug/l
RT: 2.379 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

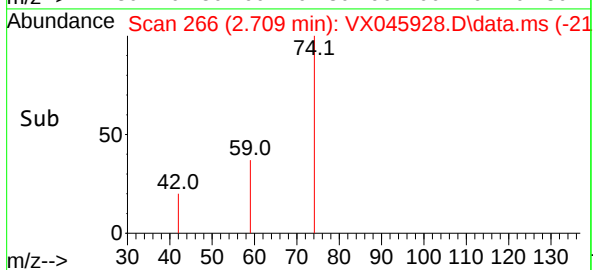
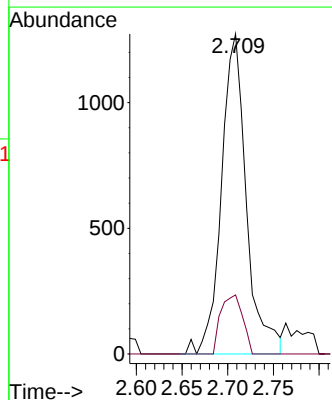
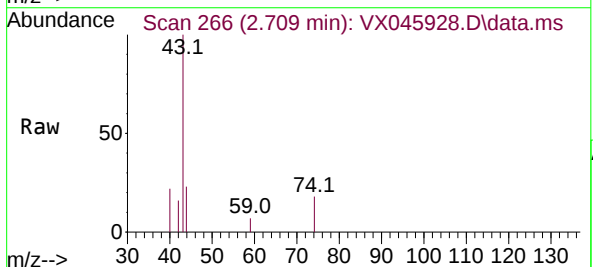
Instrument :
MSVOA_X
ClientSampleId :
72-12013

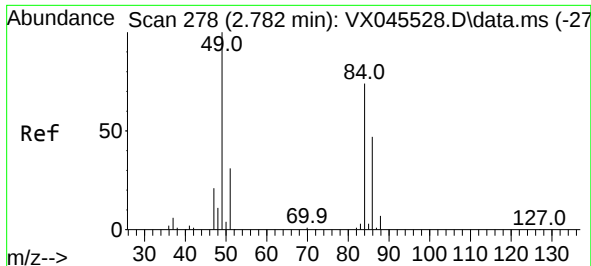
Tgt Ion: 43 Resp: 21149
Ion Ratio Lower Upper
43 100
58 25.9 22.3 33.5



#18
Methyl Acetate
Concen: 2.102 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

Tgt Ion: 43 Resp: 2415
Ion Ratio Lower Upper
43 100
74 16.2 17.5 26.3#

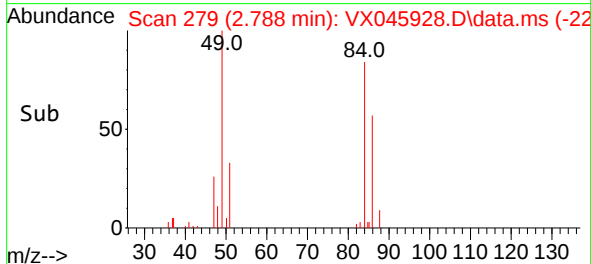
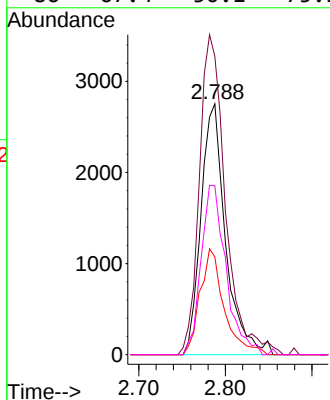
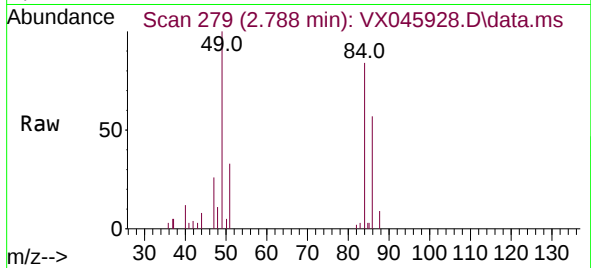




#20
Methylene Chloride
Concen: 5.824 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

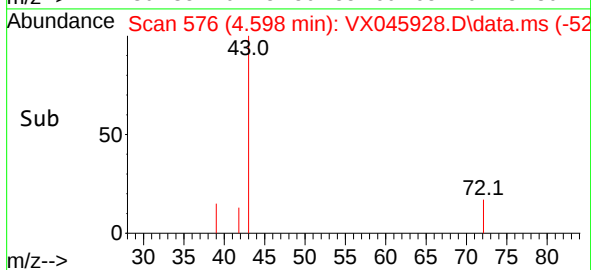
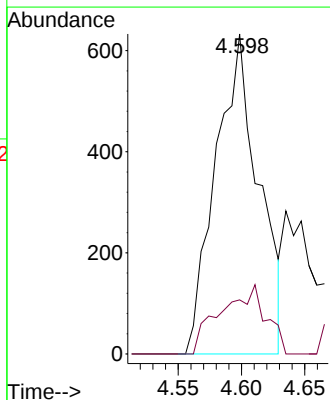
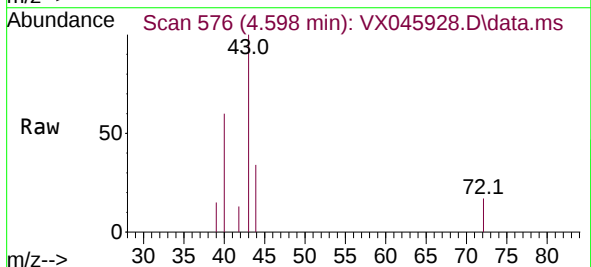
Instrument :
MSVOA_X
ClientSampleId :
72-12013

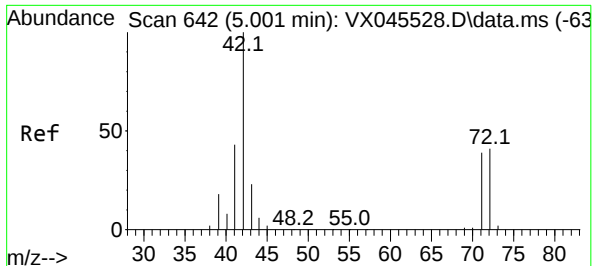
Tgt Ion:	84	Resp:	5440
Ion	Ratio	Lower	Upper
84	100		
49	118.9	107.5	161.3
51	39.0	33.0	49.6
86	67.4	50.1	75.1



#25
2-Butanone
Concen: 2.047 ug/l
RT: 4.598 min Scan# 576
Delta R.T. 0.042 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

Tgt Ion:	43	Resp:	1495
Ion	Ratio	Lower	Upper
43	100		
72	16.9	18.6	28.0#





#29

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX045928.D

Acq: 24 Apr 2025 15:33

Instrument :

MSVOA_X

ClientSampleId :

72-12013

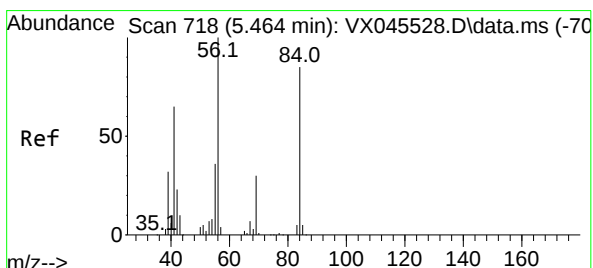
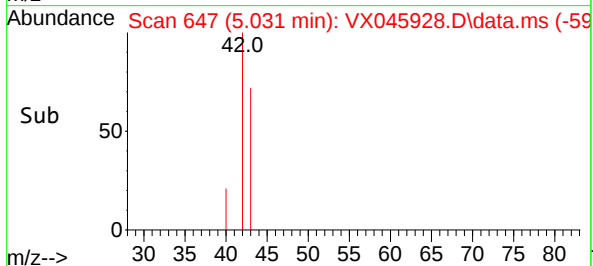
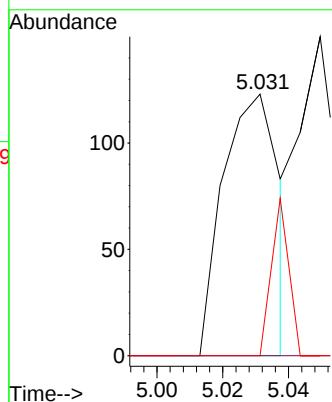
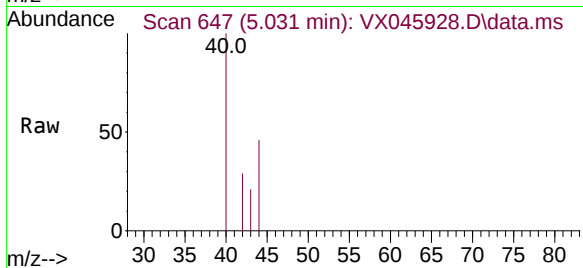
Tgt Ion: 42 Resp: 146

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 18.5 31.4 47.0#



#31

Cyclohexane

Concen: 1.310 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045928.D

Acq: 24 Apr 2025 15:33

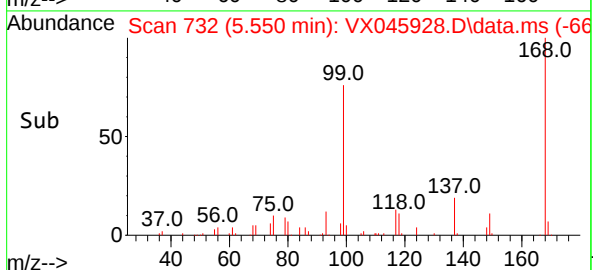
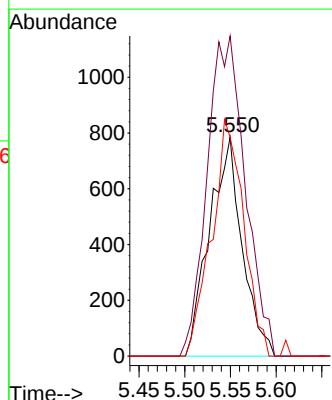
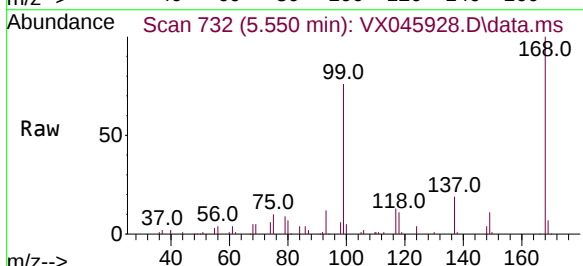
Tgt Ion: 56 Resp: 1952

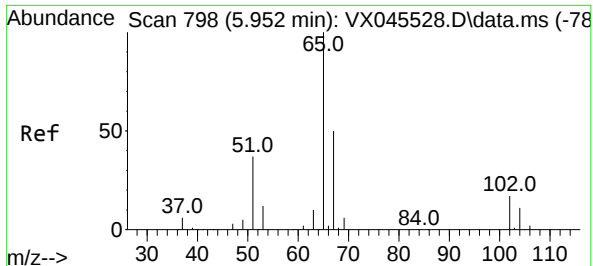
Ion Ratio Lower Upper

56 100

69 146.2 23.6 35.4#

84 100.0 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.245 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045928.D

Acq: 24 Apr 2025 15:33

Instrument :

MSVOA_X

ClientSampleId :

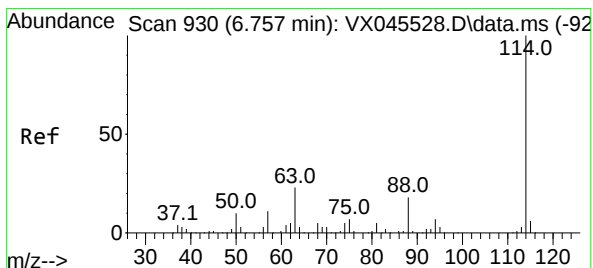
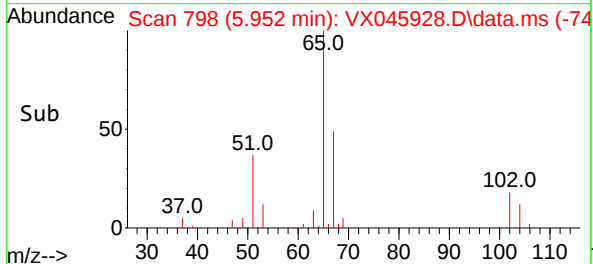
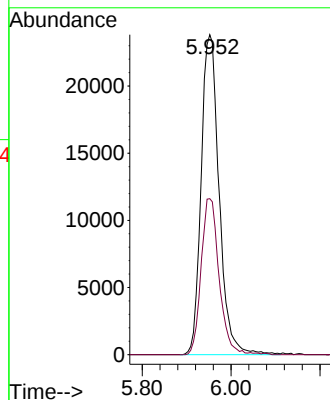
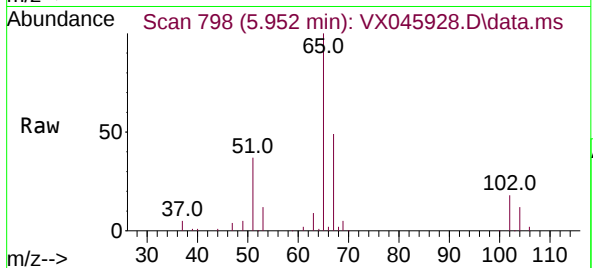
72-12013

Tgt Ion: 65 Resp: 67126

Ion Ratio Lower Upper

65 100

67 48.4 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: VX045928.D

Acq: 24 Apr 2025 15:33

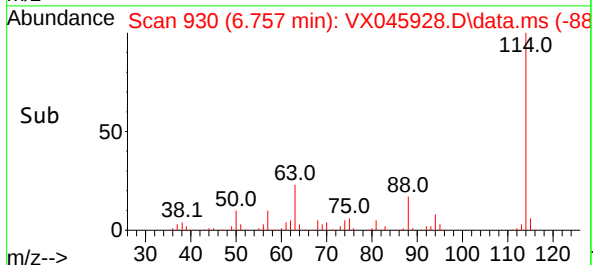
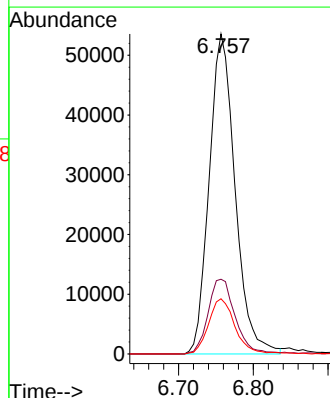
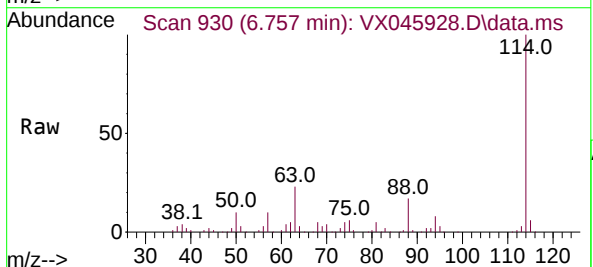
Tgt Ion: 114 Resp: 129208

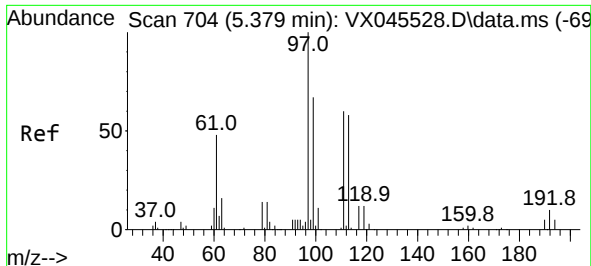
Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.8

88 17.3 0.0 35.4

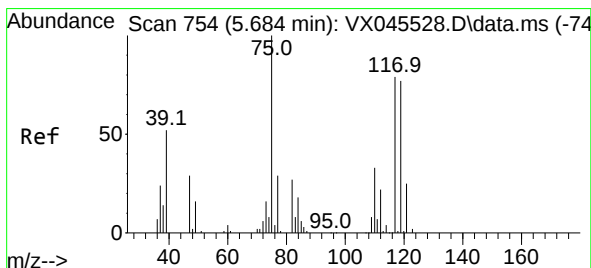
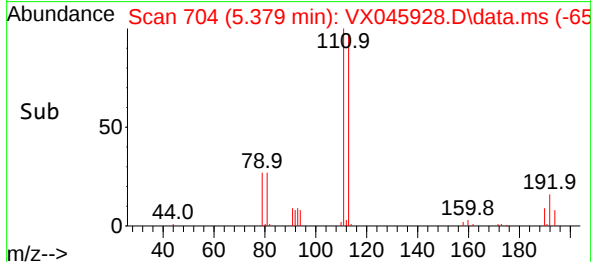
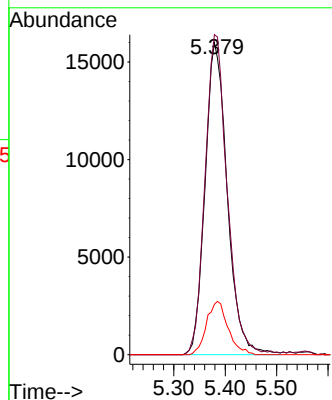
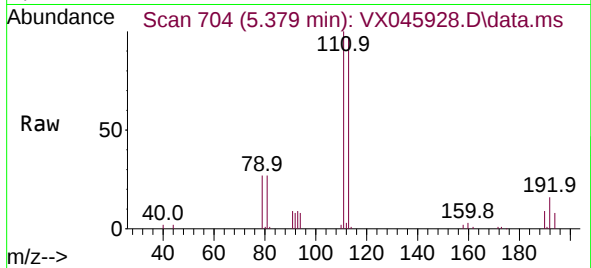




#35
Dibromofluoromethane
Concen: 52.325 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

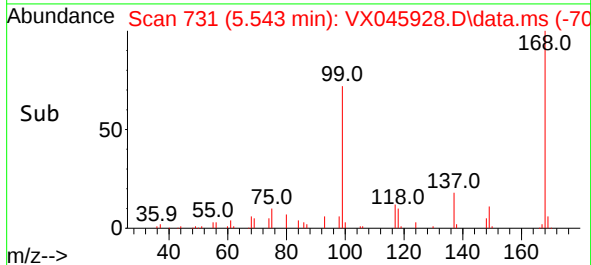
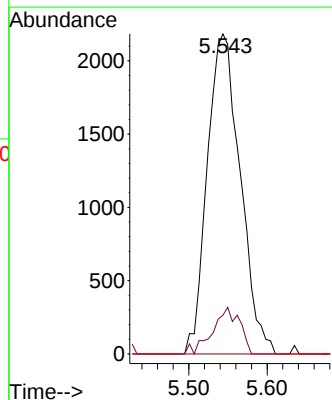
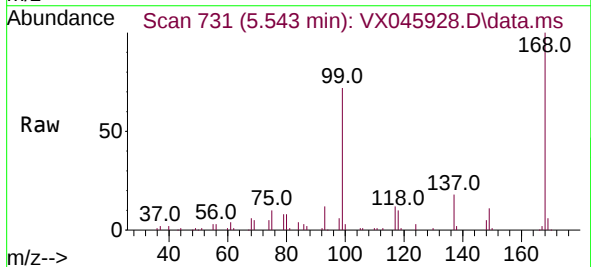
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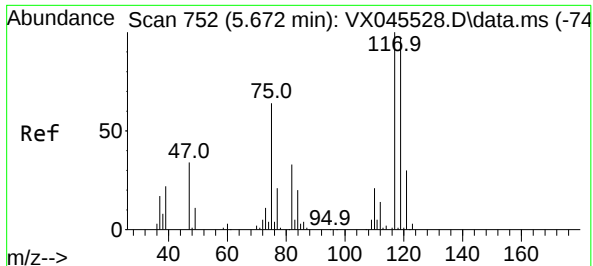
Tgt Ion:113 Resp: 47968
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 16.5 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.162 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

Tgt Ion: 75 Resp: 6390
Ion Ratio Lower Upper
75 100
110 12.0 16.9 50.6#
77 0.0 25.0 37.4#

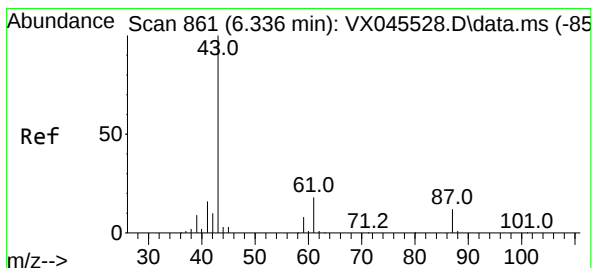
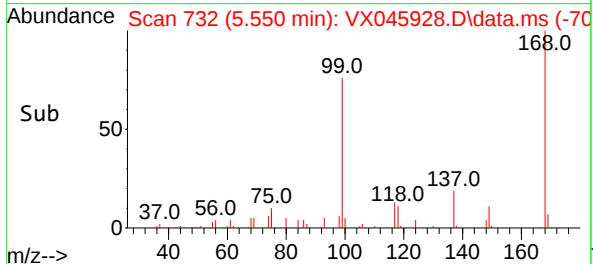
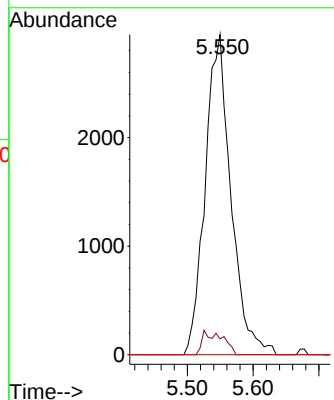
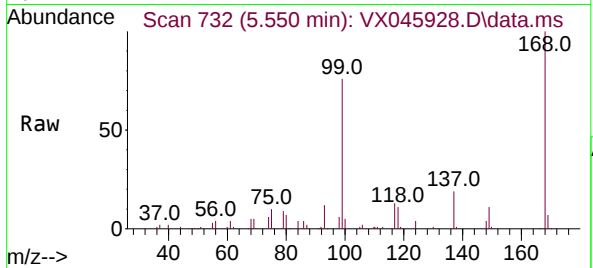




#38
Carbon Tetrachloride
Concen: 6.021 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

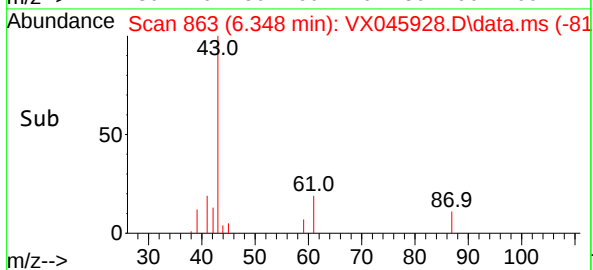
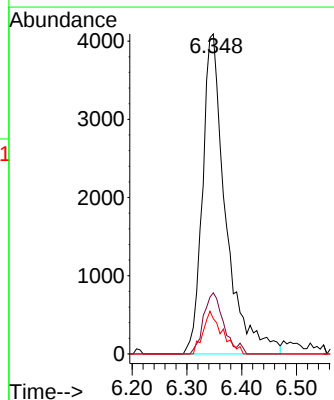
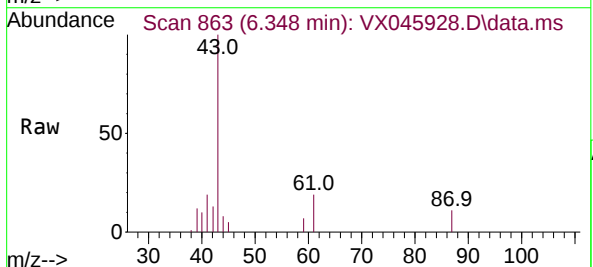
Instrument :
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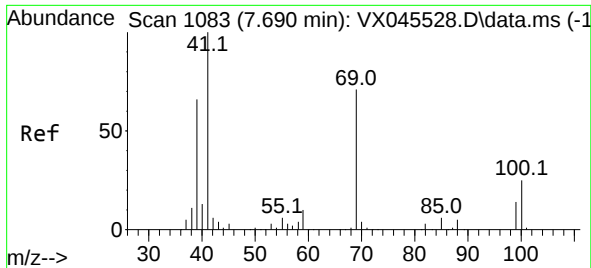
Tgt Ion:117 Resp: 8054
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.071 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

Tgt Ion: 43 Resp: 11989
Ion Ratio Lower Upper
43 100
61 16.7 14.1 21.1
87 11.0 9.2 13.8

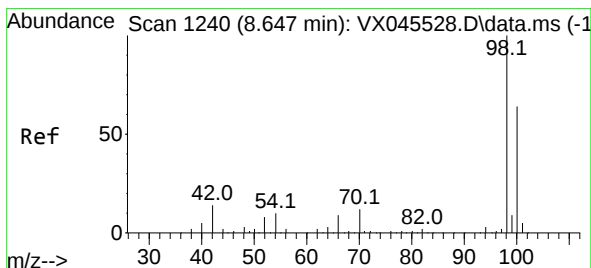
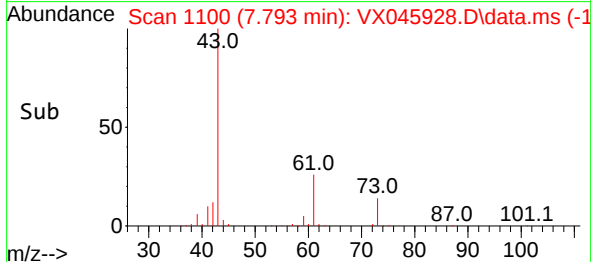
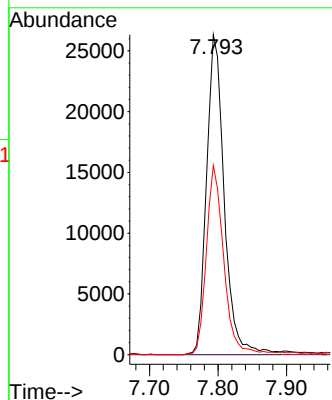
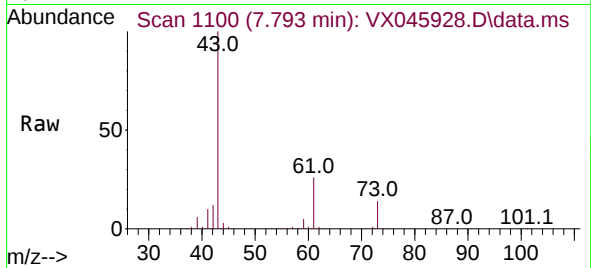




#48
Methyl methacrylate
Concen: 38.780 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

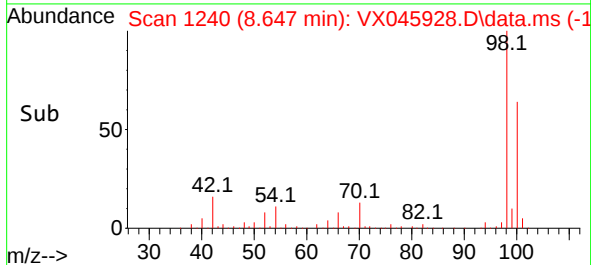
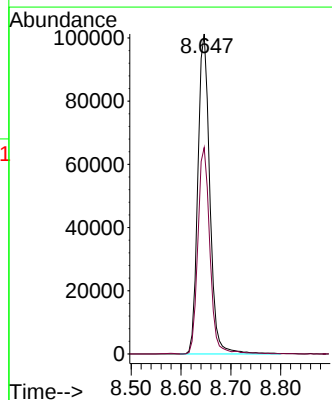
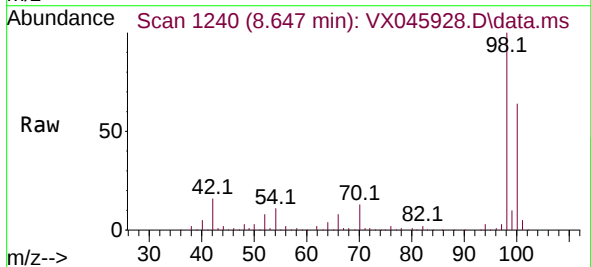
Instrument :
MSVOA_X
ClientSampleId :
72-12013

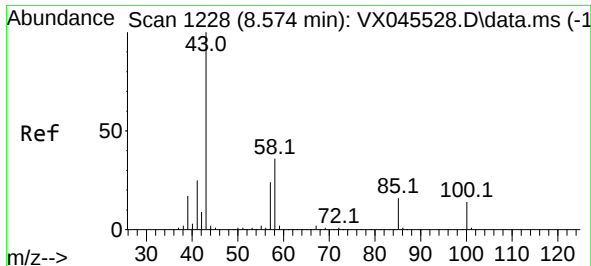
Tgt Ion: 41 Resp: 47337
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.7 53.6 80.4



#50
Toluene-d8
Concen: 52.597 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

Tgt Ion: 98 Resp: 168299
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4

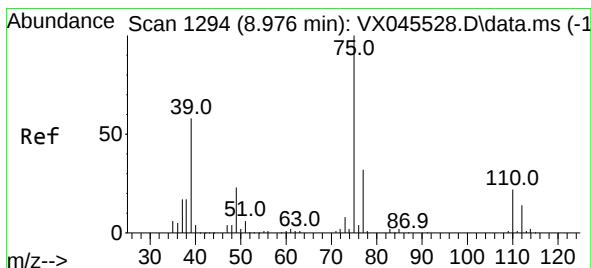
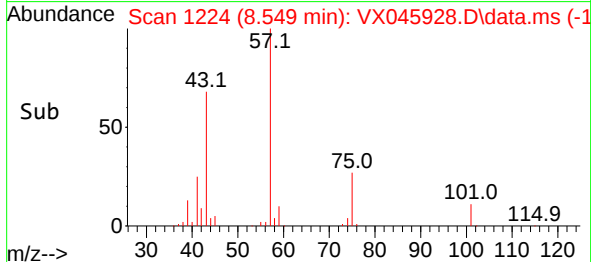
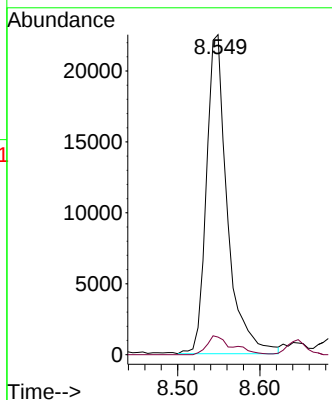
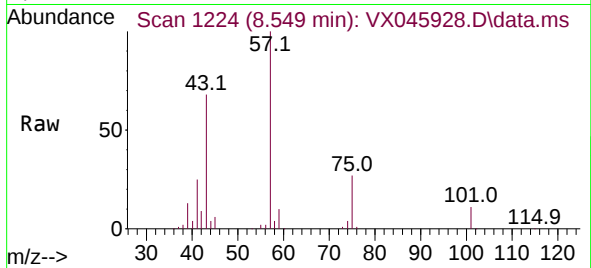




#51
4-Methyl-2-Pentanone
Concen: 25.362 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

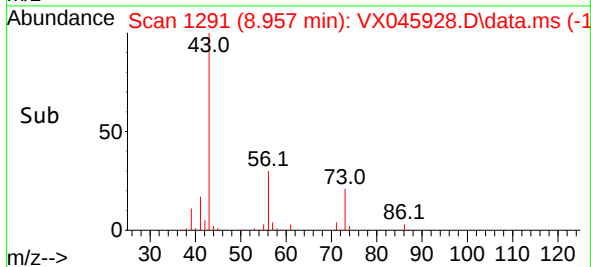
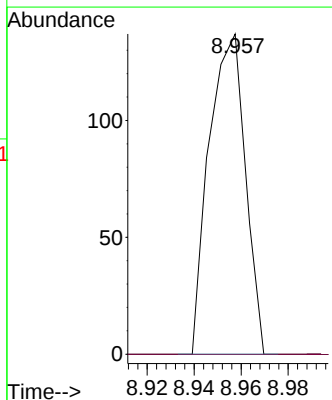
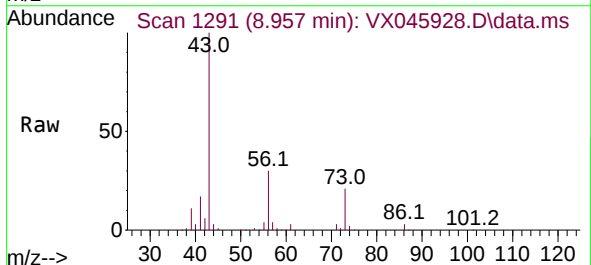
Instrument :
MSVOA_X
ClientSampleId :
72-12013

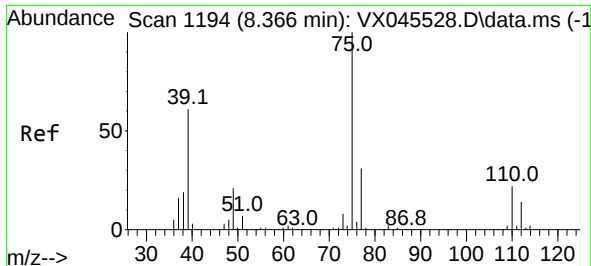
Tgt Ion: 43 Resp: 39749
Ion Ratio Lower Upper
43 100
58 7.2 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.390 ug/l
RT: 8.957 min Scan# 1291
Delta R.T. -0.019 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

Tgt Ion: 75 Resp: 147
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

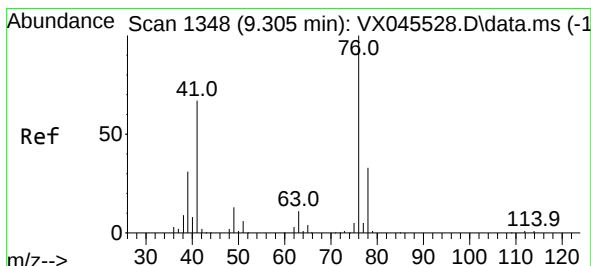
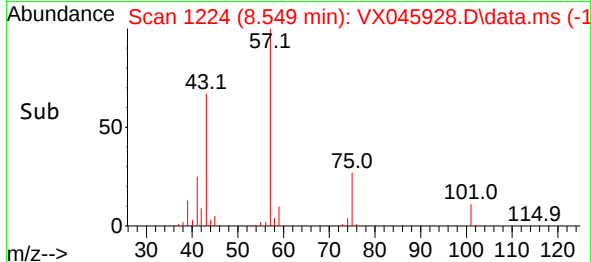
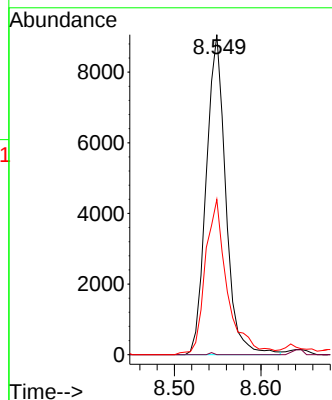
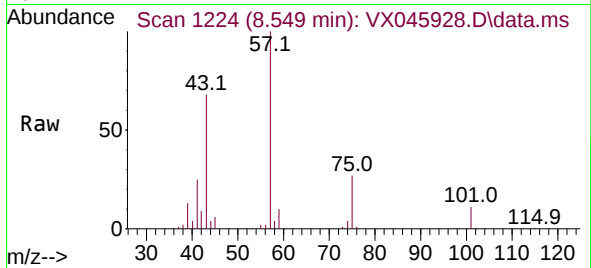




#54
 cis-1,3-Dichloropropene
 Concen: 10.426 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045928.D
 Acq: 24 Apr 2025 15:33

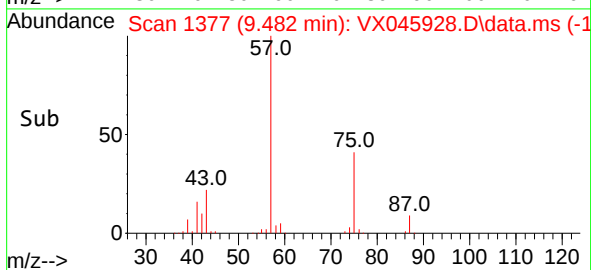
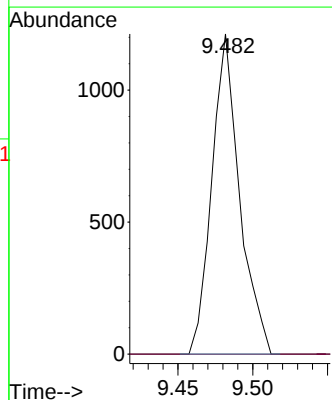
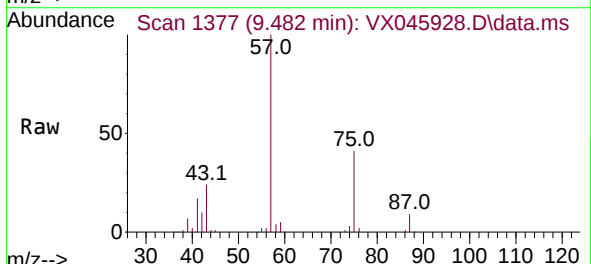
Instrument :
 MSVOA_X
 ClientSampleId :
 72-12013

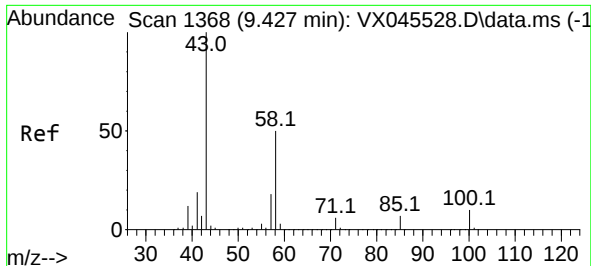
Tgt Ion: 75 Resp: 14167
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 47.9 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.984 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045928.D
 Acq: 24 Apr 2025 15:33

Tgt Ion: 76 Resp: 1562
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 11.214 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX045928.D

Acq: 24 Apr 2025 15:33

Instrument :

MSVOA_X

ClientSampleId :

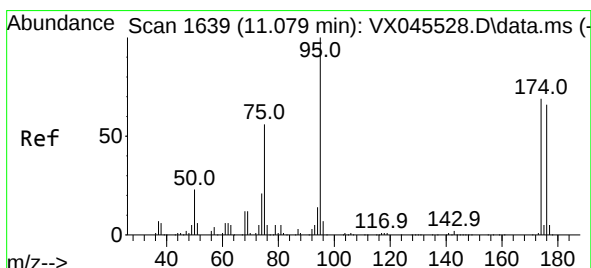
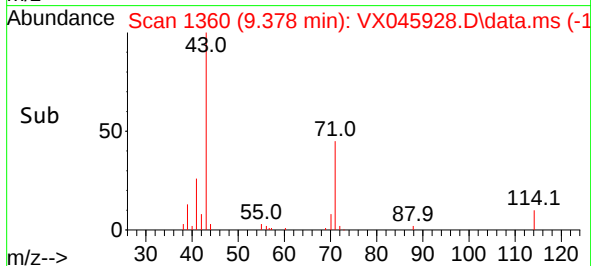
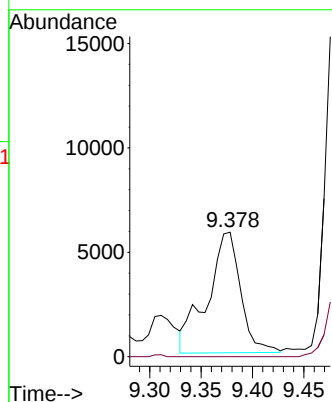
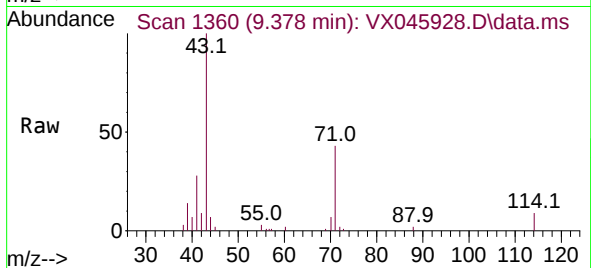
72-12013

Tgt Ion: 43 Resp: 13015

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 54.030 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045928.D

Acq: 24 Apr 2025 15:33

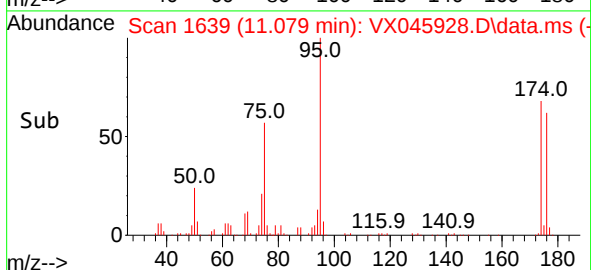
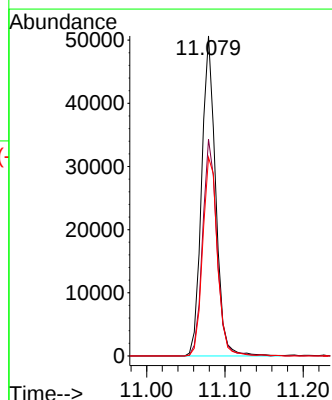
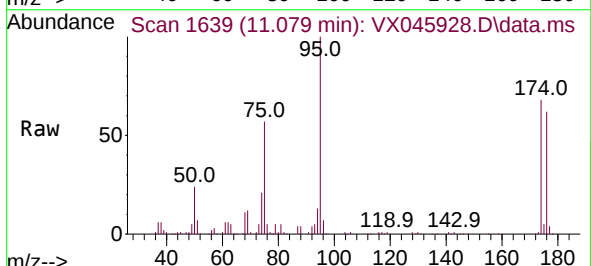
Tgt Ion: 95 Resp: 62973

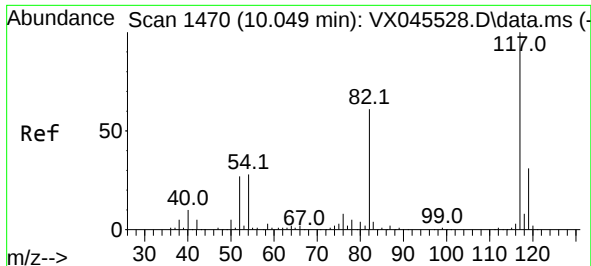
Ion Ratio Lower Upper

95 100

174 68.9 0.0 135.8

176 64.8 0.0 131.4

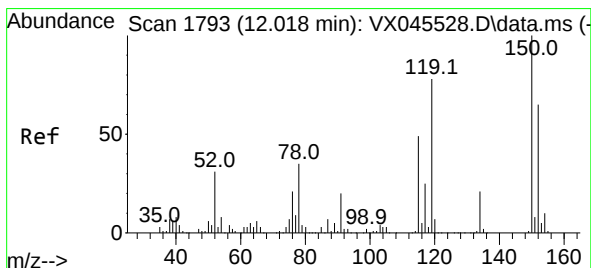
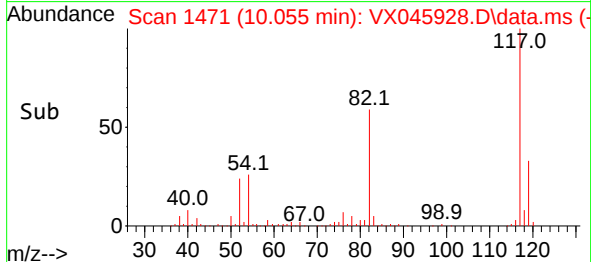
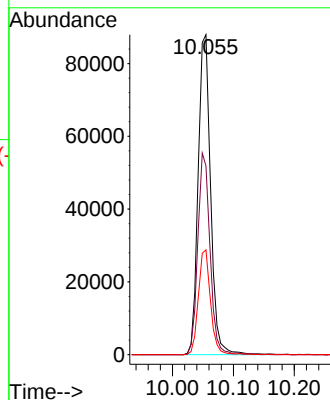
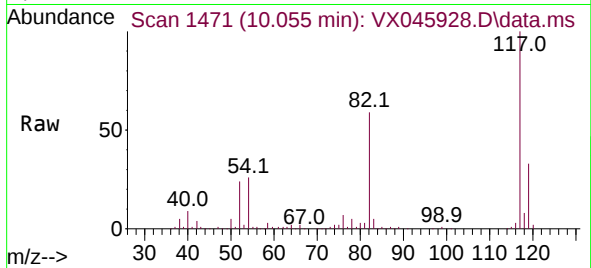




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

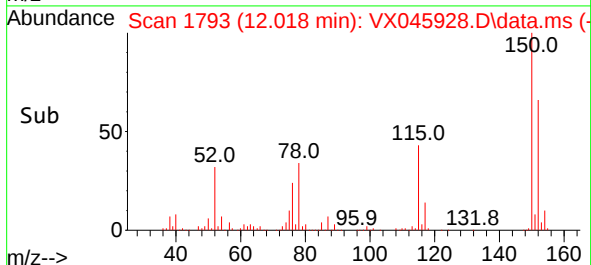
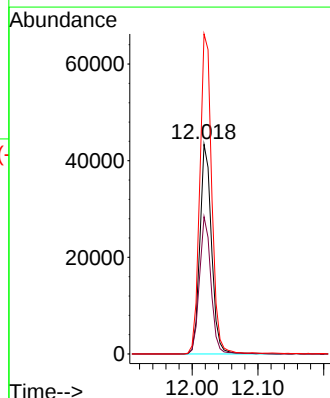
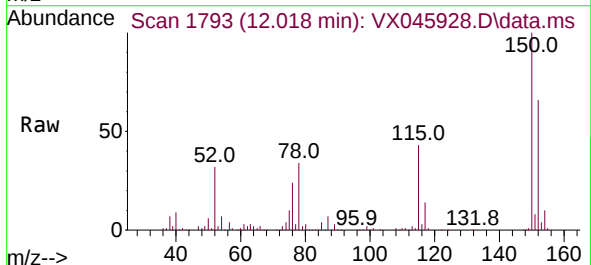
Instrument :
MSVOA_X
ClientSampleId :
72-12013

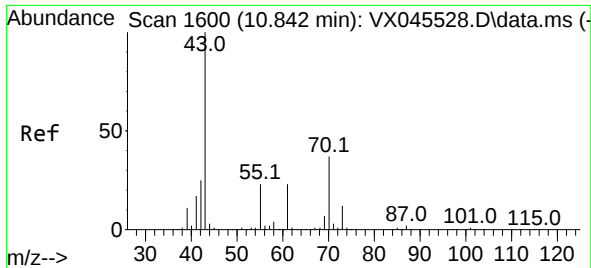
Tgt Ion:117 Resp: 125196
Ion Ratio Lower Upper
117 100
82 59.0 49.2 73.8
119 32.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

Tgt Ion:152 Resp: 53533
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 155.8 0.0 349.4

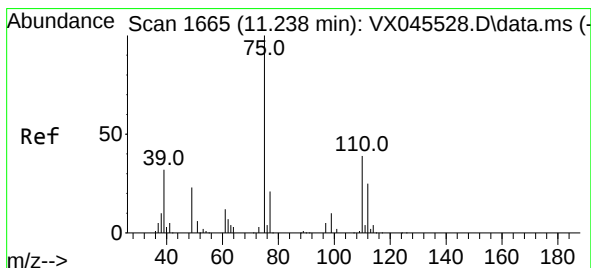
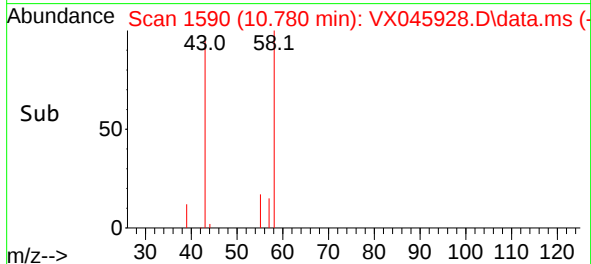
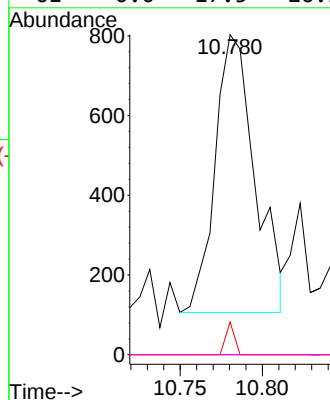
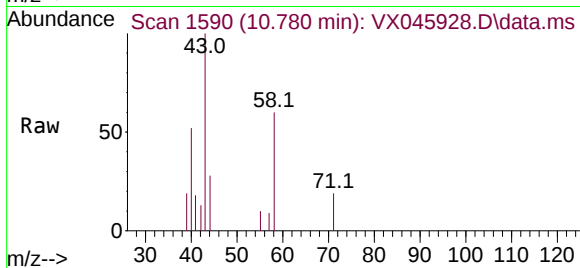




#74
N-amy1 acetate
Concen: 0.575 ug/l
RT: 10.780 min Scan# 1179
Delta R.T. -0.061 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

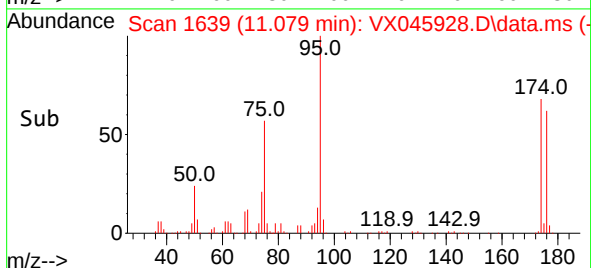
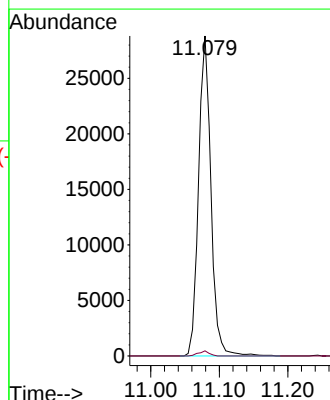
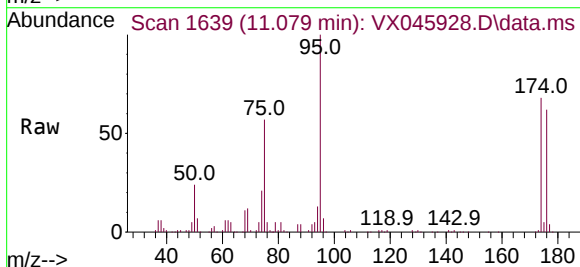
Instrument :
MSVOA_X
ClientSampleId :
72-12013

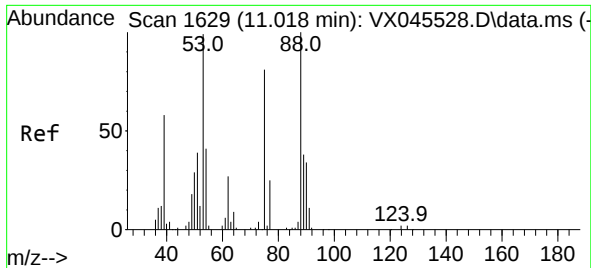
Tgt Ion: 43	Resp: 1179
Ion Ratio	Lower Upper
43 100	
70 0.0	30.1 45.1#
55 2.5	18.3 27.5#
61 0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 27.791 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045928.D
Acq: 24 Apr 2025 15:33

Tgt Ion: 75	Resp:	36290	
Ion Ratio	Lower	Upper	
75 100			
77 1.4	20.0	59.9#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.321 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX045928.D
 Acq: 24 Apr 2025 15:33

Instrument :
 MSVOA_X
 ClientSampleId :
 72-12013

Tgt Ion: 75 Resp: 36290
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

