

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045610.D
 Acq On : 04 Apr 2025 19:24
 Operator : JC/MD
 Sample : Q1712-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z-05A

Quant Time: Apr 04 23:14:46 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)

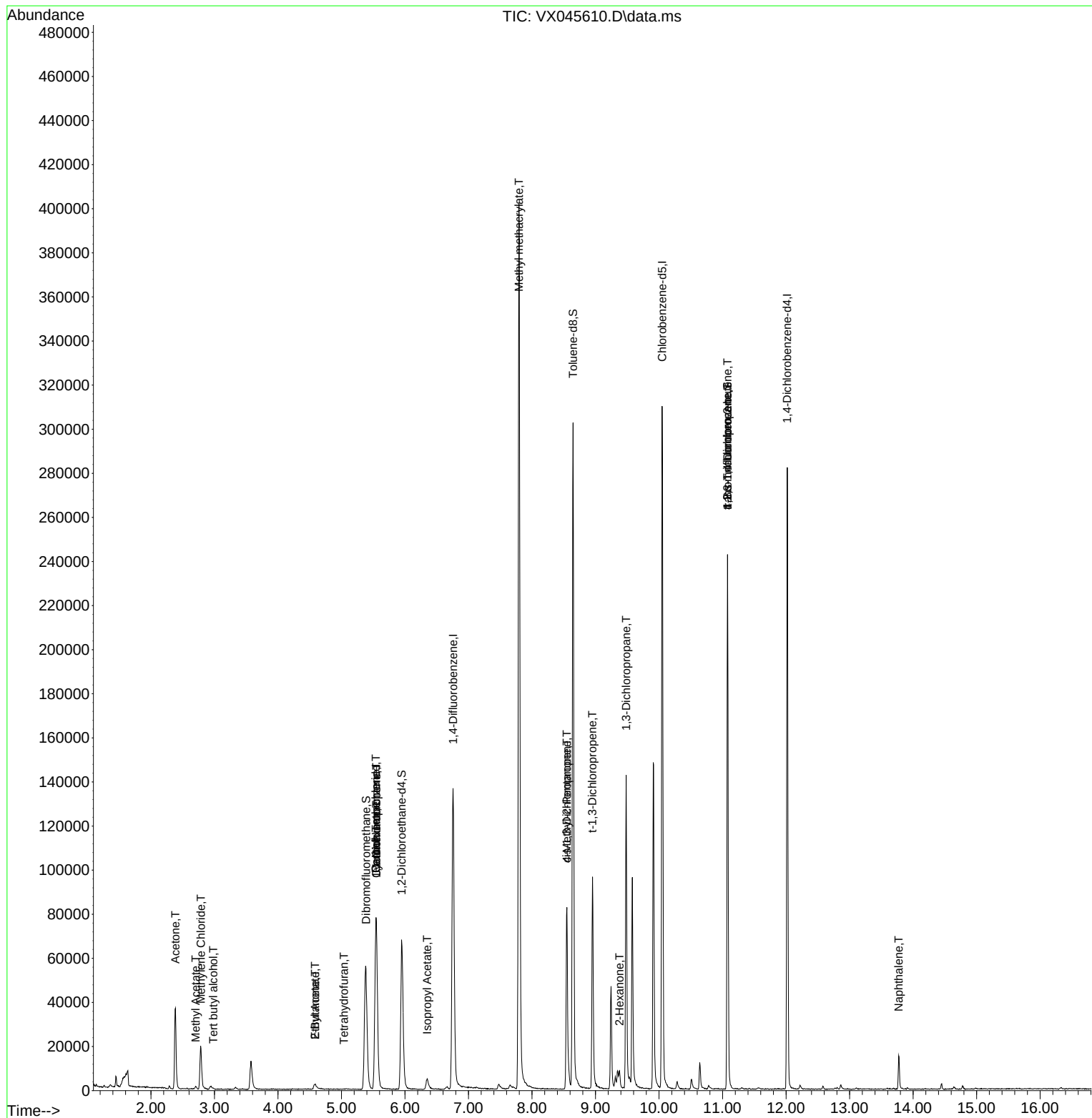
Internal Standards						
1) Pentafluorobenzene	5.544	168	66374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131446	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66314	54.633	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.260%		
35) Dibromofluoromethane	5.385	113	47961	51.427	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.860%		
50) Toluene-d8	8.647	98	168938	51.898	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.800%		
62) 4-Bromofluorobenzene	11.079	95	61959	52.255	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 104.520%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	433	2.654	ug/l #	72
16) Acetone	2.386	43	41903	84.071	ug/l	96
18) Methyl Acetate	2.703	43	1777	1.549	ug/l #	84
20) Methylene Chloride	2.788	84	9178	9.836	ug/l	93
25) 2-Butanone	4.586	43	5041	6.909	ug/l	97
29) Tetrahydrofuran	5.038	42	96	0.203	ug/l #	35
31) Cyclohexane	5.550	56	2028	1.362	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	6731	5.345	ug/l #	49
37) Ethyl Acetate	4.586	43	5041	3.177	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7880	5.790	ug/l #	16
43) Isopropyl Acetate	6.348	43	7465	3.104	ug/l	97
48) Methyl methacrylate	7.793	41	40622	32.712	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	33367	20.928	ug/l #	55
53) t-1,3-Dichloropropene	8.951	75	234	2.447	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	12405	8.974	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1220	0.756	ug/l #	42
59) 2-Hexanone	9.378	43	7705	6.526	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36131	28.609	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36131	97.096	ug/l #	1
95) Naphthalene	13.774	128	10033	2.793	ug/l	99

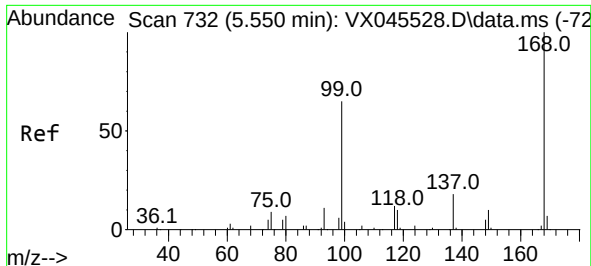
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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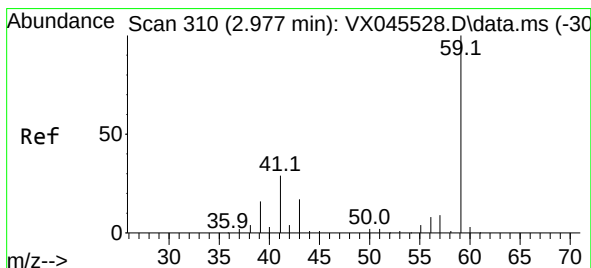
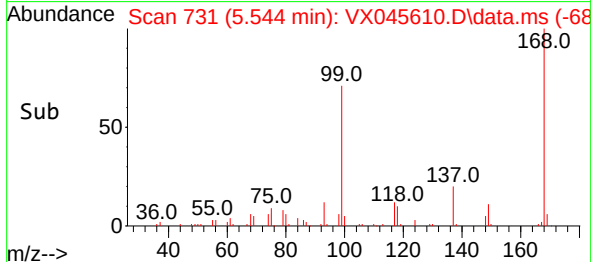
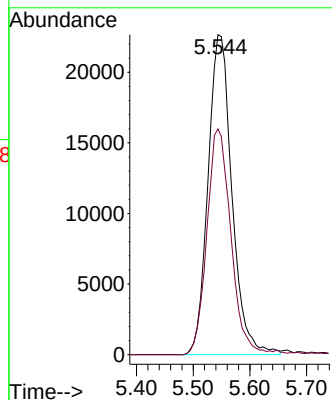
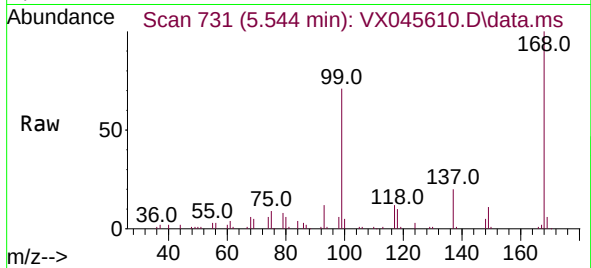




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

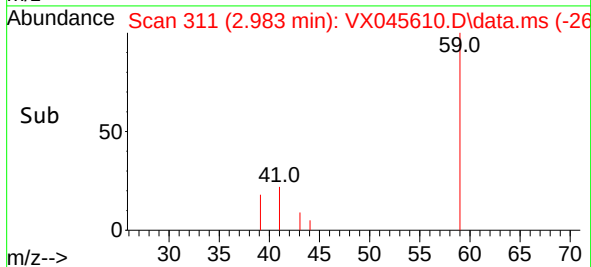
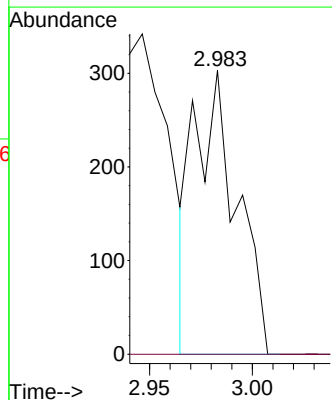
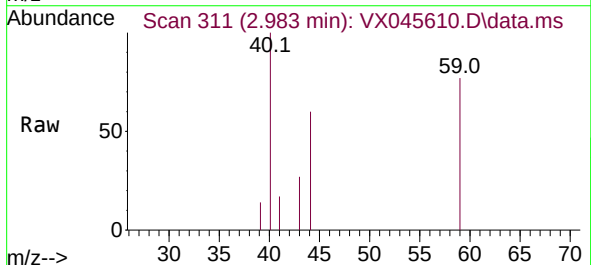
Instrument :
MSVOA_X
ClientSampleId :
Z-05A

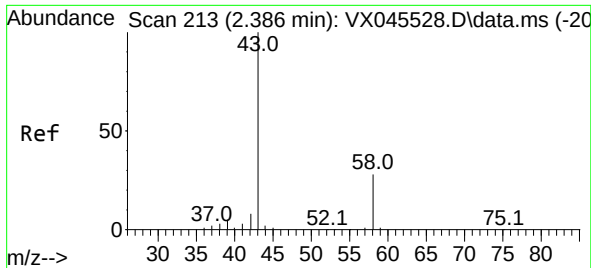
Tgt Ion:168 Resp: 66374
Ion Ratio Lower Upper
168 100
99 70.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.654 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

Tgt Ion: 59 Resp: 433
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

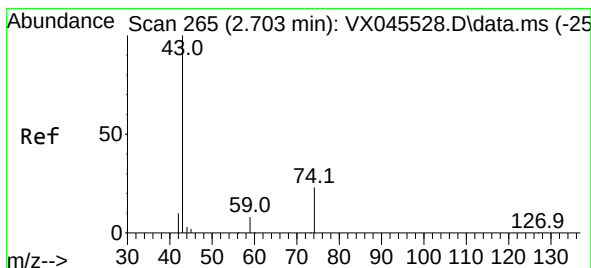
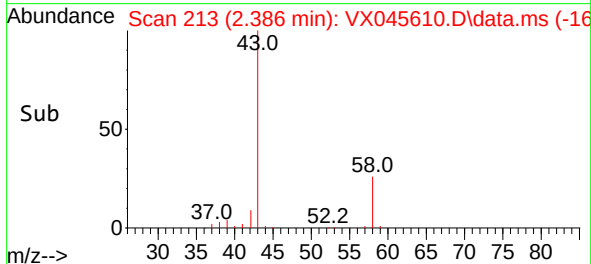
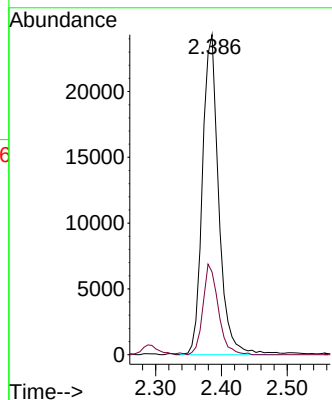
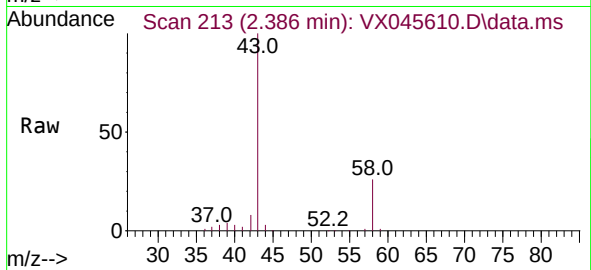




#16
Acetone
Concen: 84.071 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

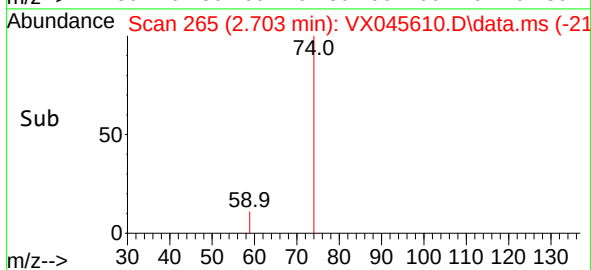
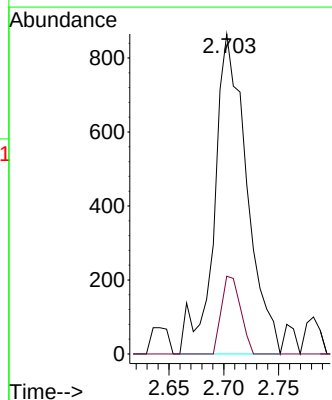
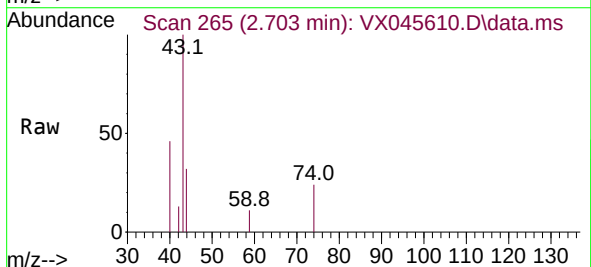
Instrument :
MSVOA_X
ClientSampleId :
Z-05A

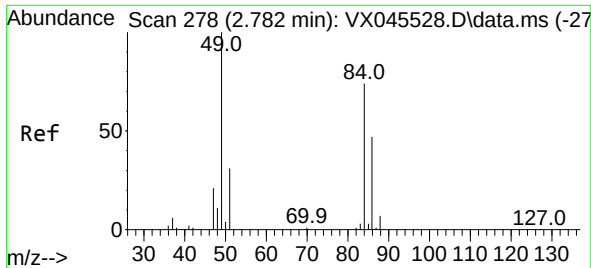
Tgt Ion: 43 Resp: 41903
Ion Ratio Lower Upper
43 100
58 25.8 22.3 33.5



#18
Methyl Acetate
Concen: 1.549 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

Tgt Ion: 43 Resp: 1777
Ion Ratio Lower Upper
43 100
74 14.4 17.5 26.3#

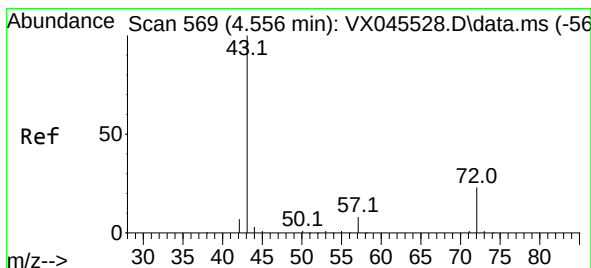
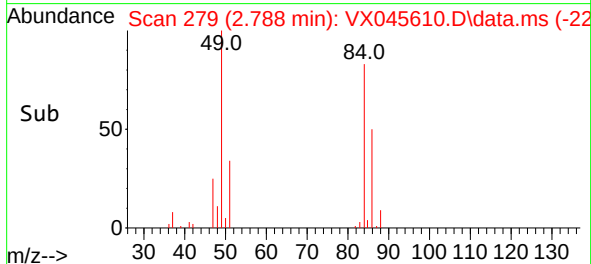
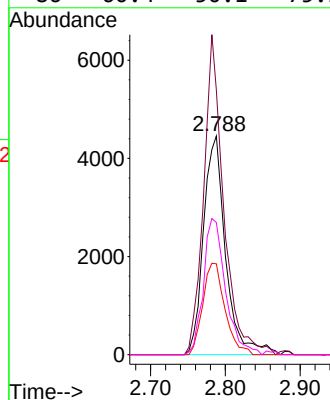
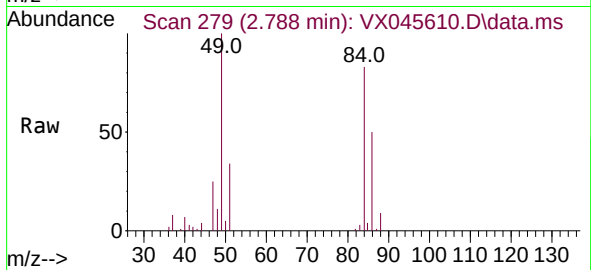




#20
Methylene Chloride
Concen: 9.836 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

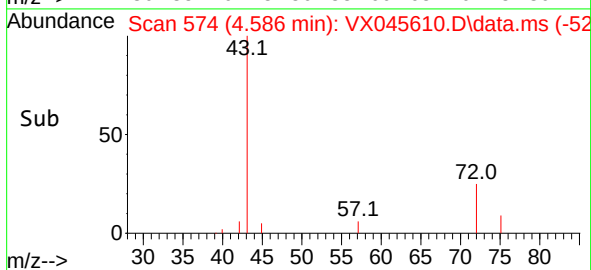
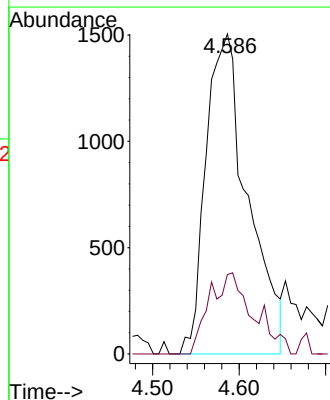
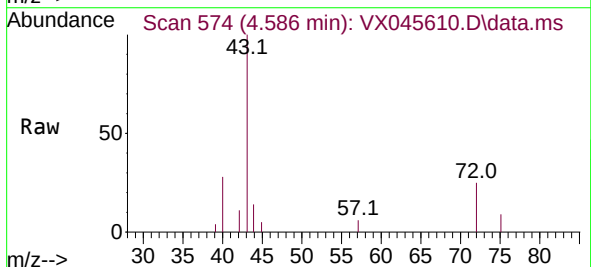
Instrument :
MSVOA_X
ClientSampleId :
Z-05A

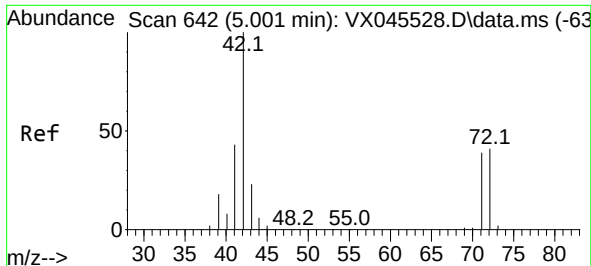
Tgt Ion:	84	Resp:	9178
Ion	Ratio	Lower	Upper
84	100		
49	121.0	107.5	161.3
51	41.6	33.0	49.6
86	60.4	50.1	75.1



#25
2-Butanone
Concen: 6.909 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

Tgt Ion:	43	Resp:	5041
Ion	Ratio	Lower	Upper
43	100		
72	24.8	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.203 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX045610.D

Acq: 04 Apr 2025 19:24

Instrument :

MSVOA_X

ClientSampleId :

Z-05A

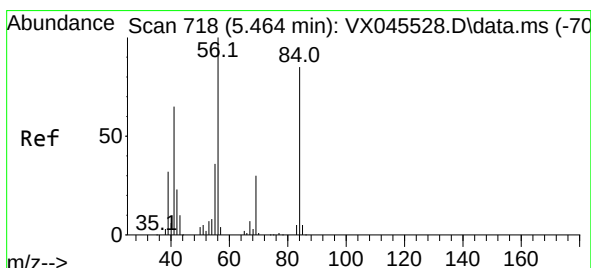
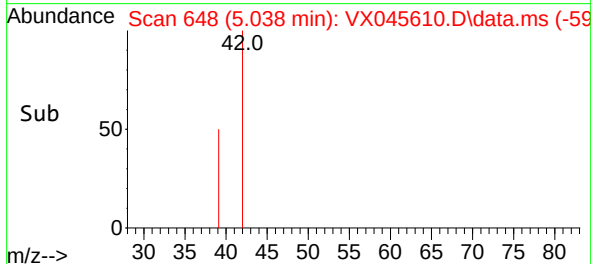
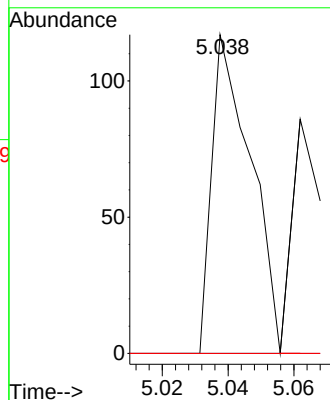
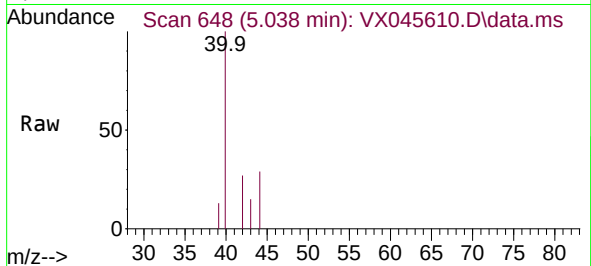
Tgt Ion: 42 Resp: 96

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.362 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045610.D

Acq: 04 Apr 2025 19:24

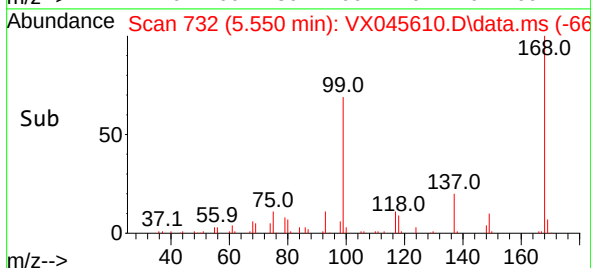
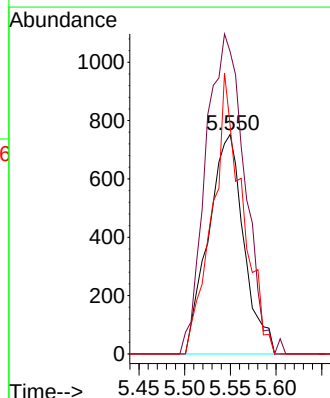
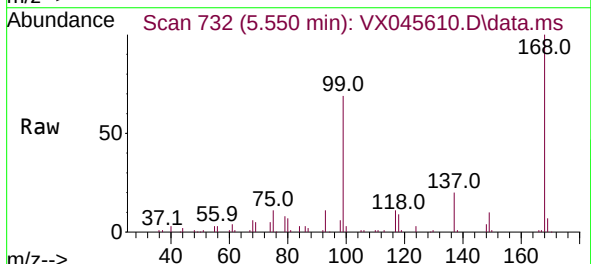
Tgt Ion: 56 Resp: 2028

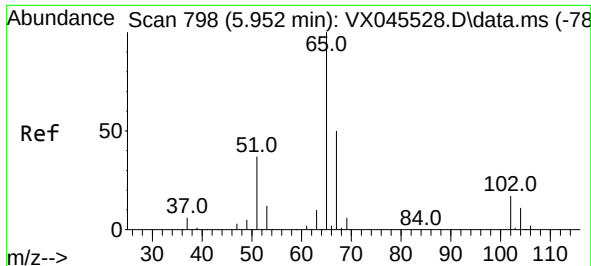
Ion Ratio Lower Upper

56 100

69 137.8 23.6 35.4#

84 104.3 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 54.633 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045610.D

Acq: 04 Apr 2025 19:24

Instrument :

MSVOA_X

ClientSampleId :

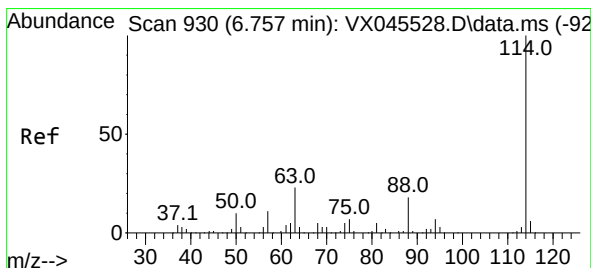
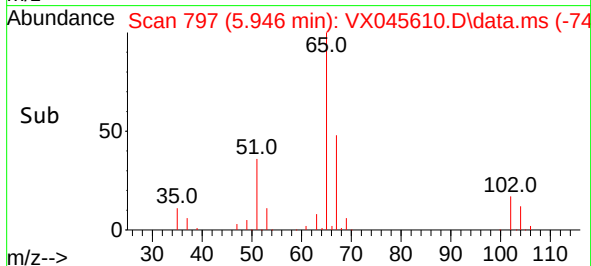
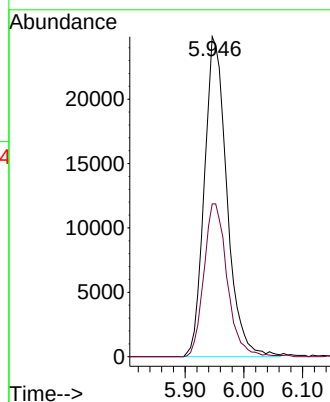
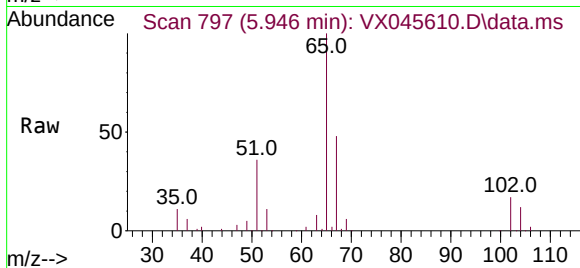
Z-05A

Tgt Ion: 65 Resp: 66314

Ion Ratio Lower Upper

65 100

67 49.3 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: VX045610.D

Acq: 04 Apr 2025 19:24

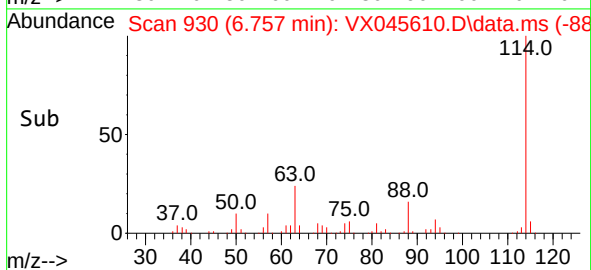
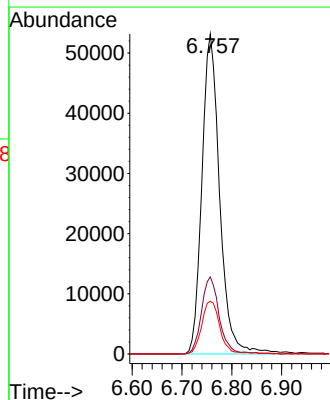
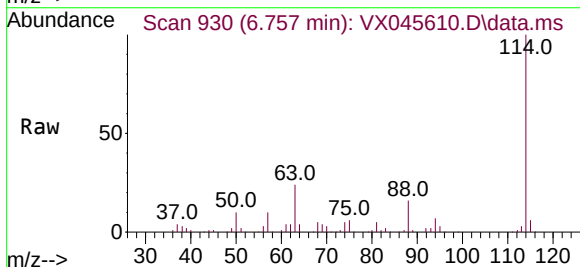
Tgt Ion: 114 Resp: 131446

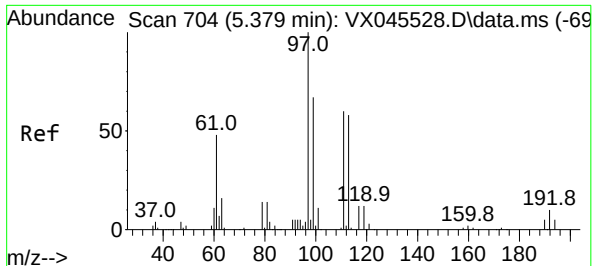
Ion Ratio Lower Upper

114 100

63 24.1 0.0 46.8

88 16.5 0.0 35.4

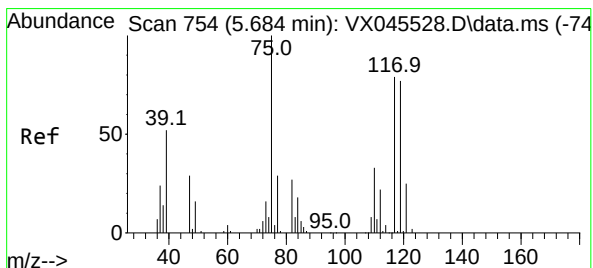
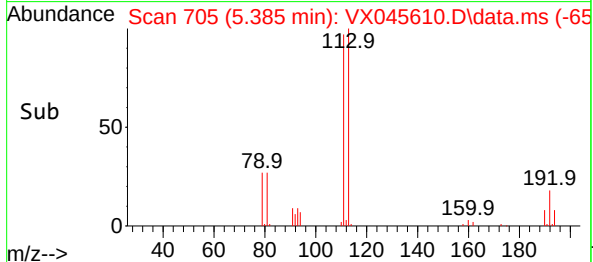
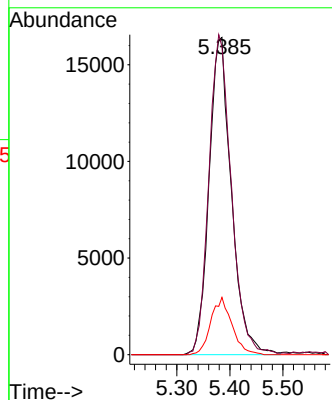
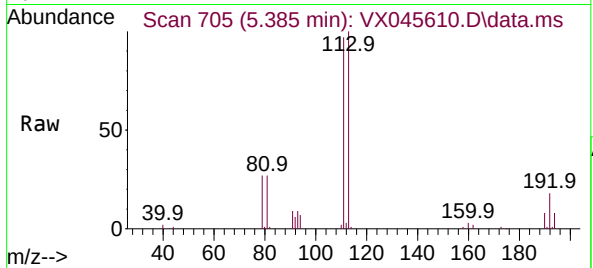




#35
Dibromofluoromethane
Concen: 51.427 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

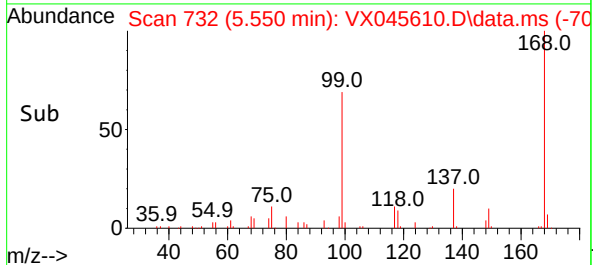
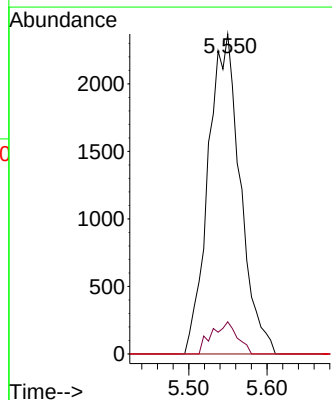
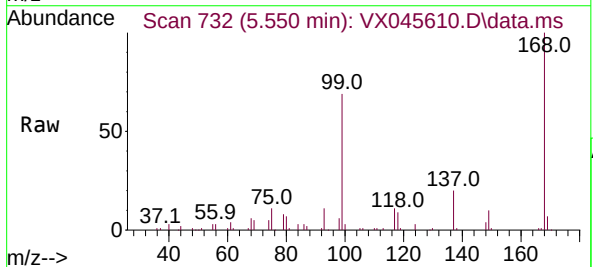
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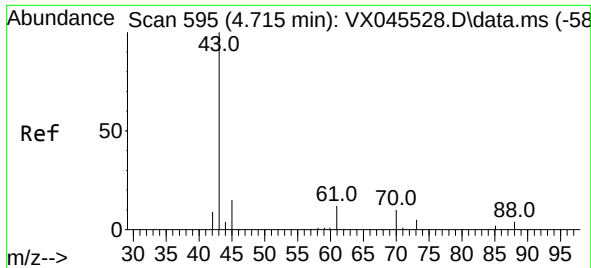
Tgt Ion:113 Resp: 47961
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.6
192 17.1 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.345 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

Tgt Ion: 75 Resp: 6731
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 3.177 ug/l

RT: 4.586 min Scan# 51

Delta R.T. -0.128 min

Lab File: VX045610.D

Acq: 04 Apr 2025 19:24

Instrument :

MSVOA_X

ClientSampleId :

Z-05A

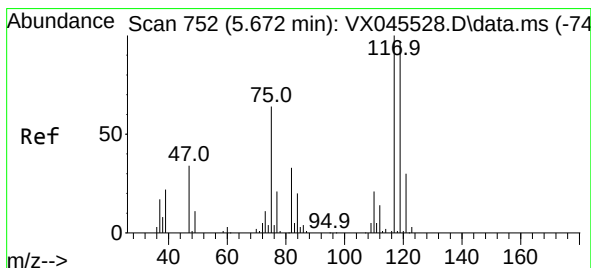
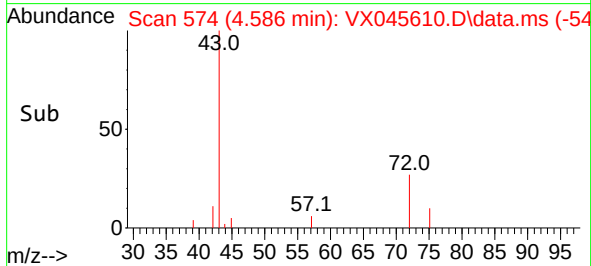
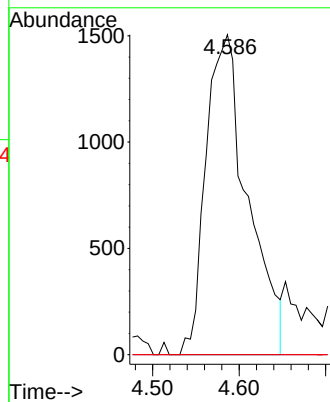
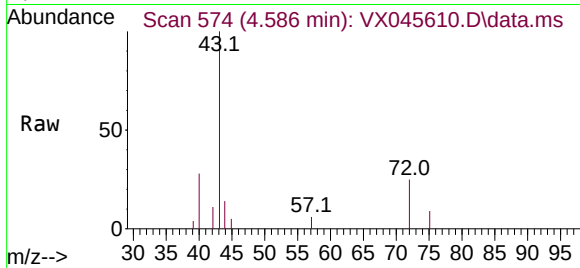
Tgt Ion: 43 Resp: 5041

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.790 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045610.D

Acq: 04 Apr 2025 19:24

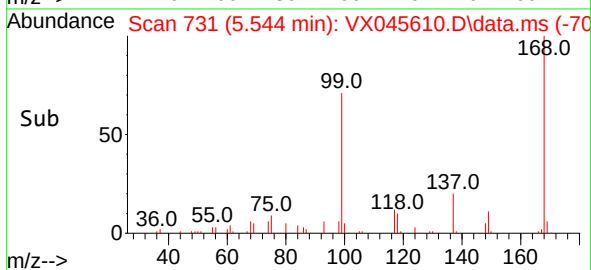
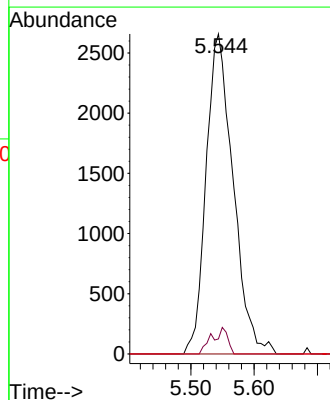
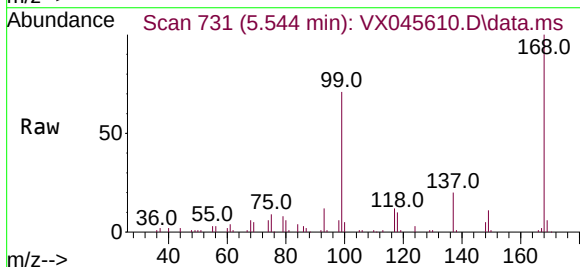
Tgt Ion: 117 Resp: 7880

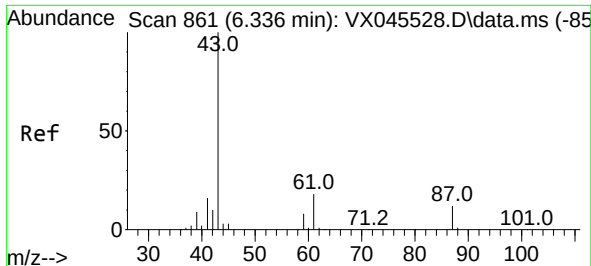
Ion Ratio Lower Upper

117 100

119 4.7 76.9 115.3#

121 0.0 24.2 36.2#

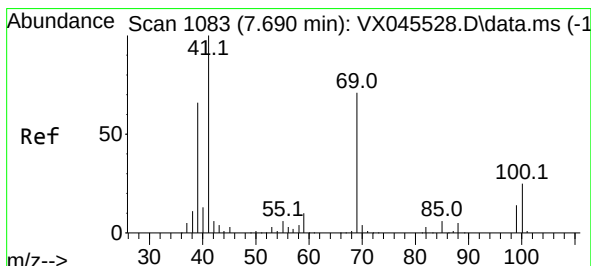
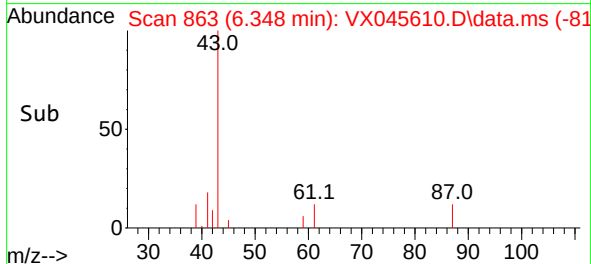
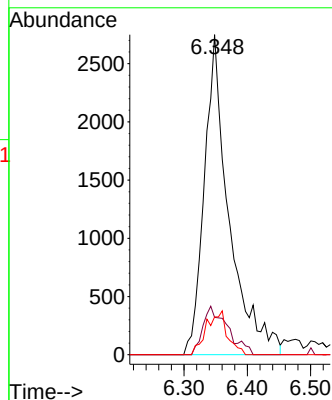
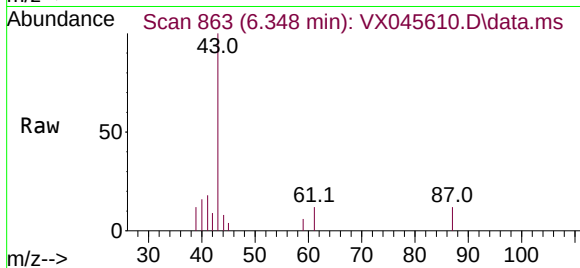




#43
Isopropyl Acetate
Concen: 3.104 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

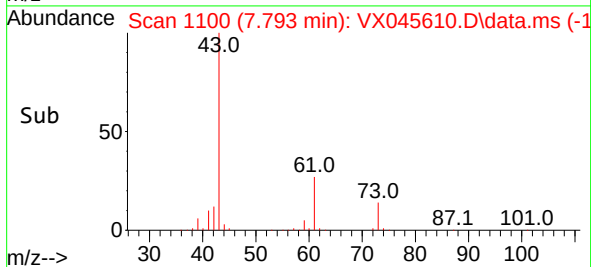
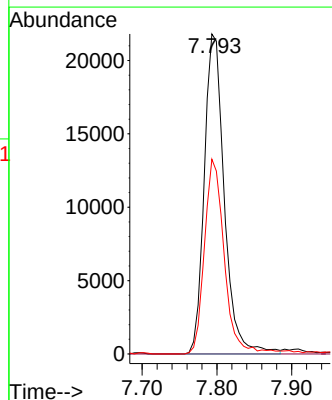
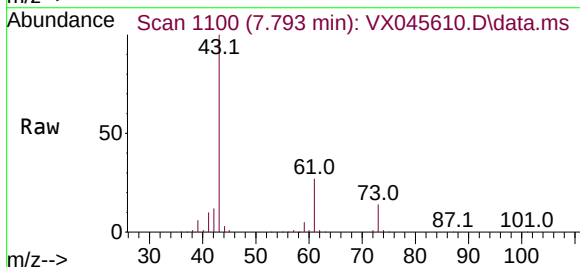
Instrument :
MSVOA_X
ClientSampleId :
Z-05A

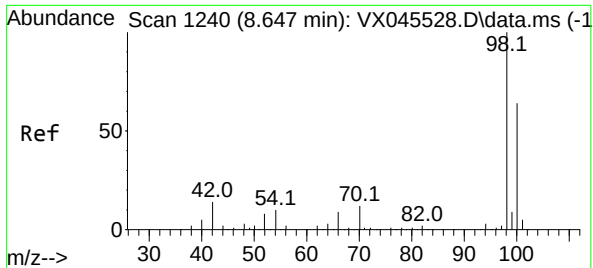
Tgt Ion: 43 Resp: 7465
Ion Ratio Lower Upper
43 100
61 15.2 14.1 21.1
87 11.6 9.2 13.8



#48
Methyl methacrylate
Concen: 32.712 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

Tgt Ion: 41 Resp: 40622
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 60.3 53.6 80.4

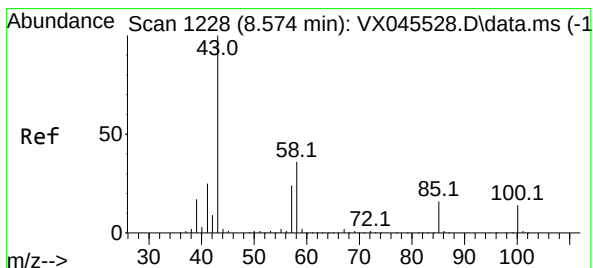
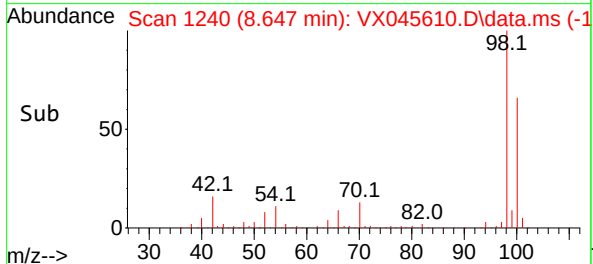
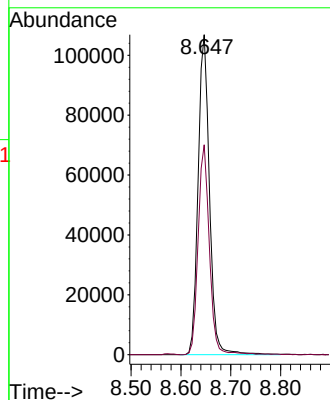
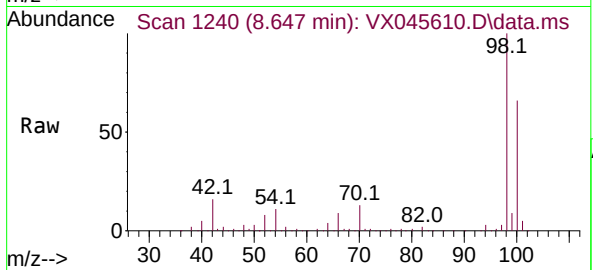




#50
Toluene-d8
Concen: 51.898 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

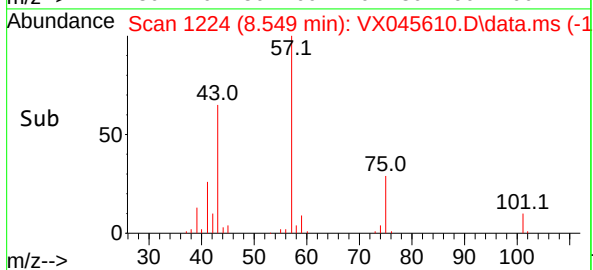
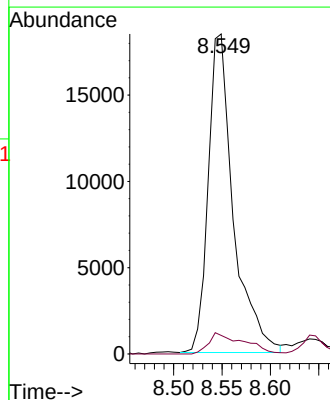
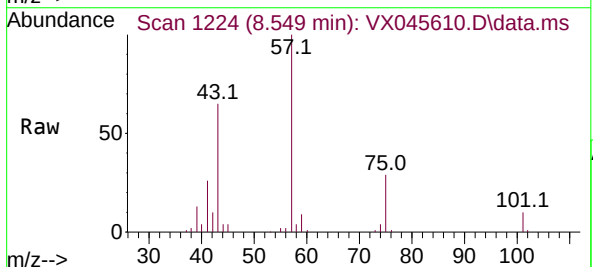
Instrument :
MSVOA_X
ClientSampleId :
Z-05A

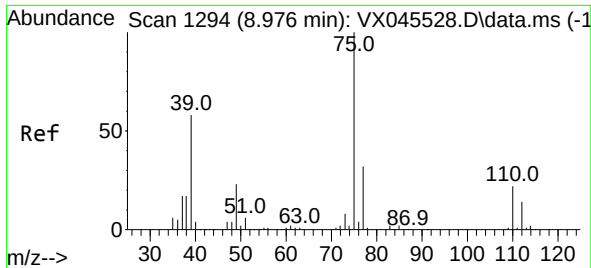
Tgt Ion: 98 Resp: 168938
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 20.928 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

Tgt Ion: 43 Resp: 33367
Ion Ratio Lower Upper
43 100
58 9.4 28.5 42.7#

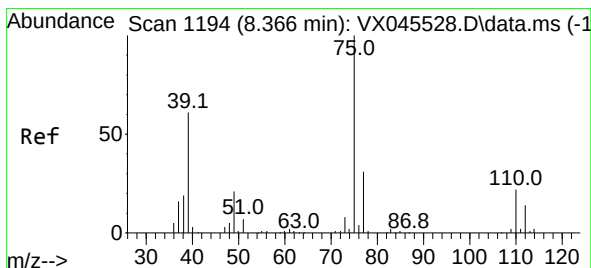
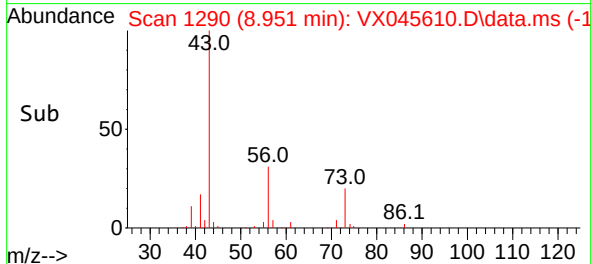
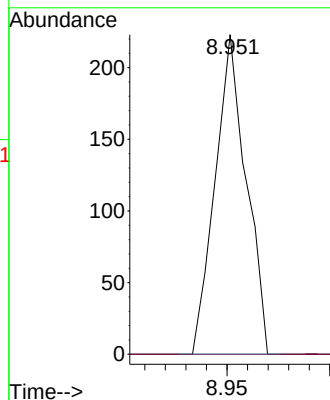
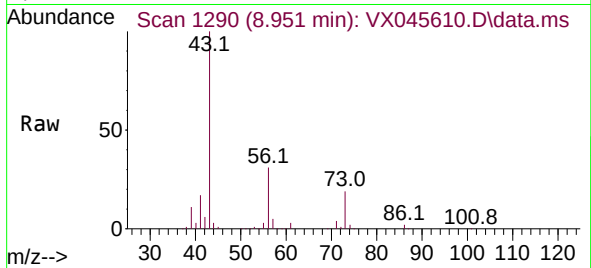




#53
 t-1,3-Dichloropropene
 Concen: 2.447 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX045610.D
 Acq: 04 Apr 2025 19:24

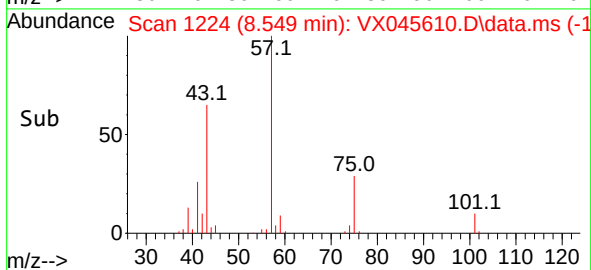
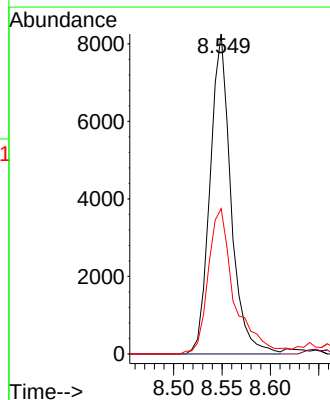
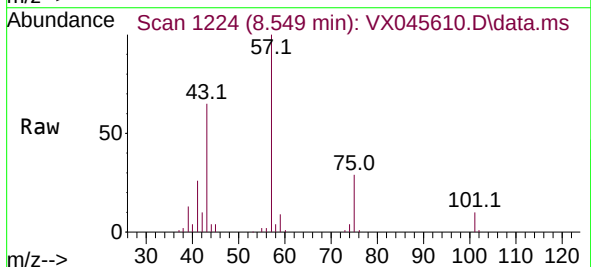
Instrument :
 MSVOA_X
 ClientSampleId :
 Z-05A

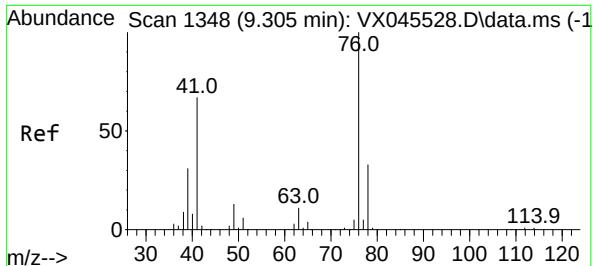
Tgt Ion: 75 Resp: 234
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 8.974 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045610.D
 Acq: 04 Apr 2025 19:24

Tgt Ion: 75 Resp: 12405
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.4 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.756 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045610.D

Acq: 04 Apr 2025 19:24

Instrument :

MSVOA_X

ClientSampleId :

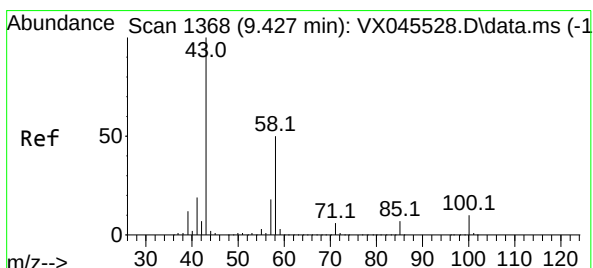
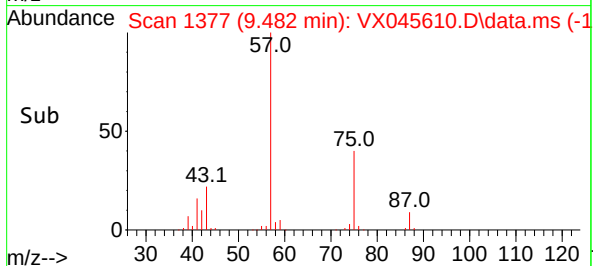
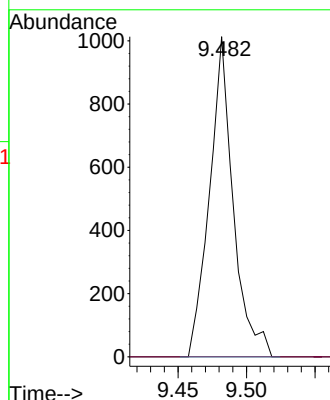
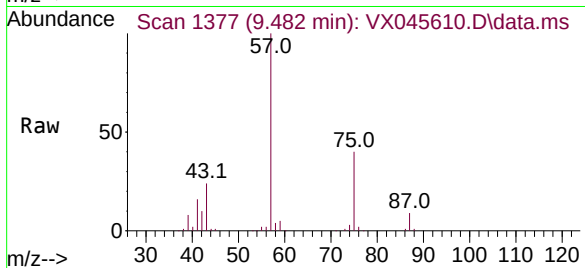
Z-05A

Tgt Ion: 76 Resp: 1220

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 6.526 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045610.D

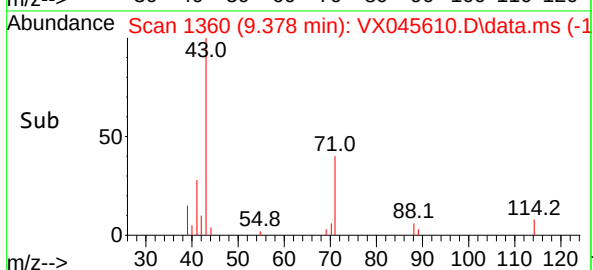
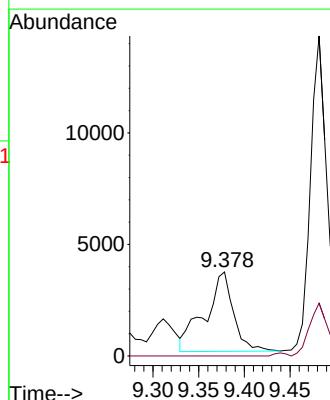
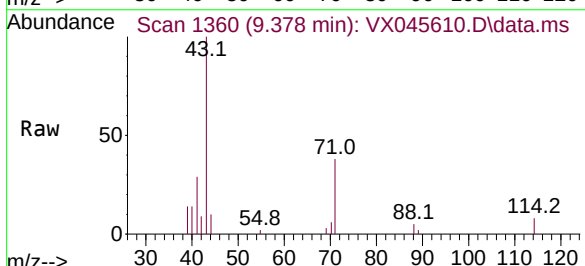
Acq: 04 Apr 2025 19:24

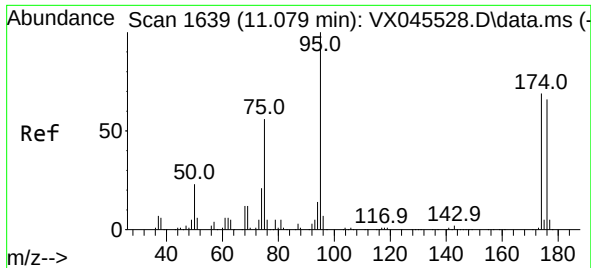
Tgt Ion: 43 Resp: 7705

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

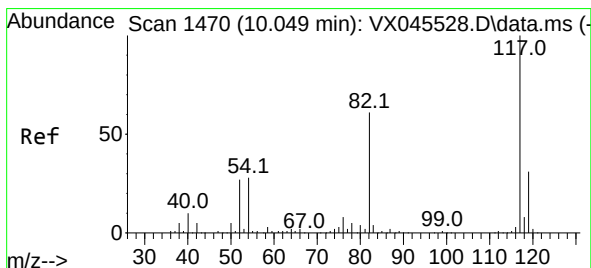
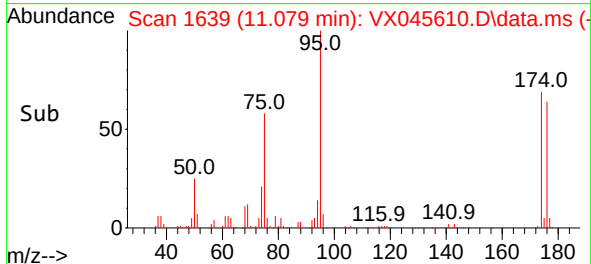
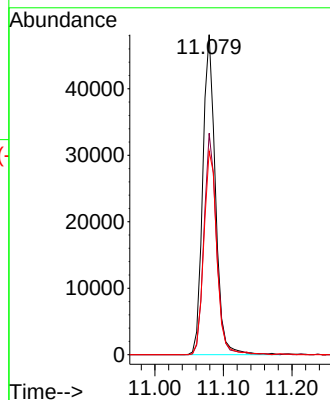
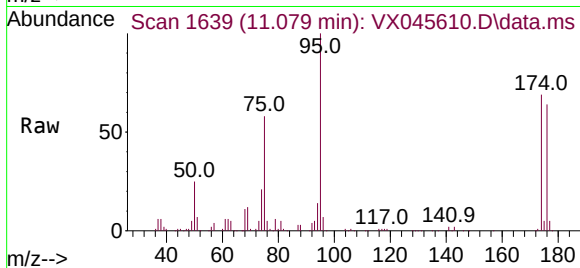




#62
4-Bromofluorobenzene
Concen: 52.255 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

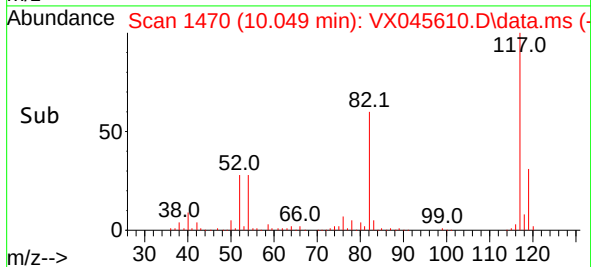
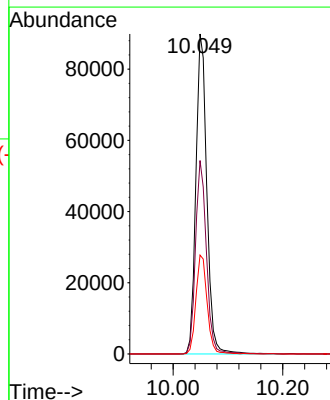
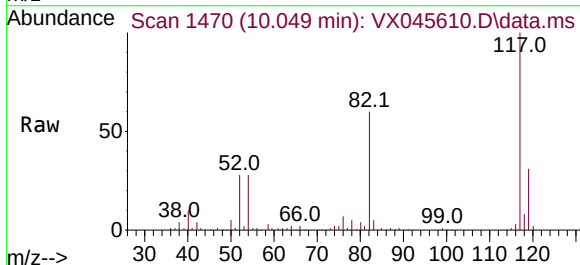
Instrument :
MSVOA_X
ClientSampleId :
Z-05A

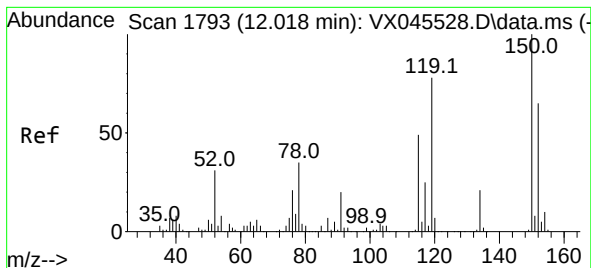
Tgt Ion: 95 Resp: 61959
Ion Ratio Lower Upper
95 100
174 68.4 0.0 135.8
176 65.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

Tgt Ion: 117 Resp: 125072
Ion Ratio Lower Upper
117 100
82 60.5 49.2 73.8
119 30.9 25.1 37.7

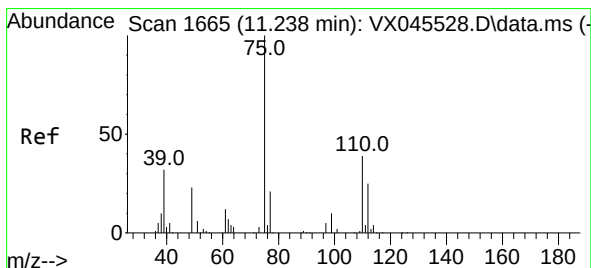
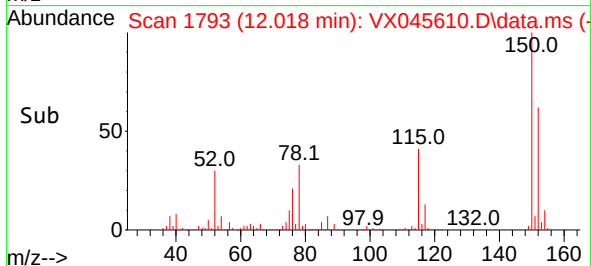
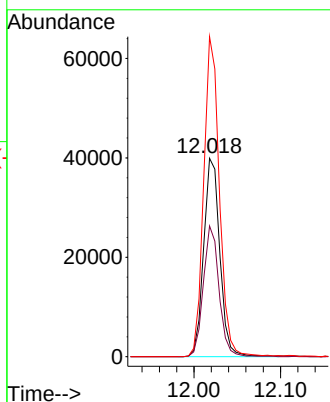
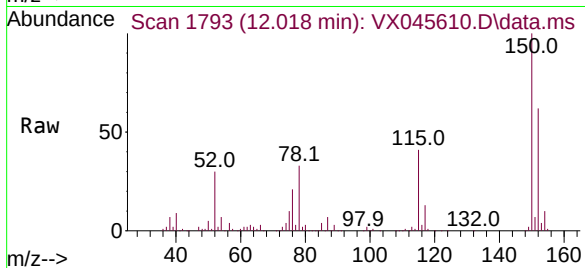




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

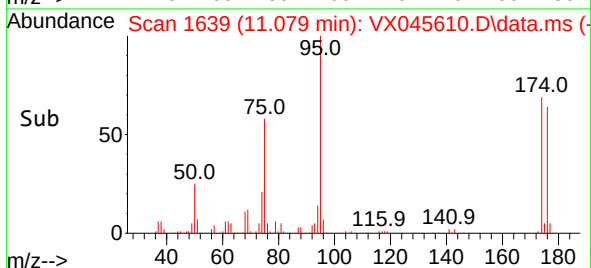
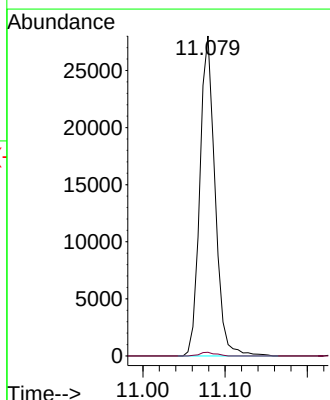
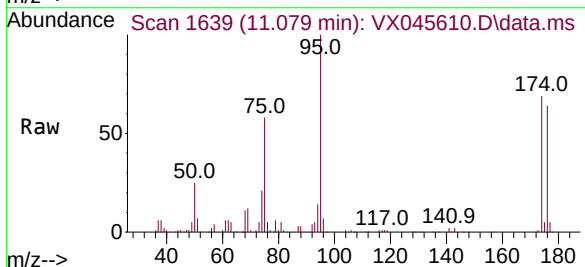
Instrument :
MSVOA_X
ClientSampleId :
Z-05A

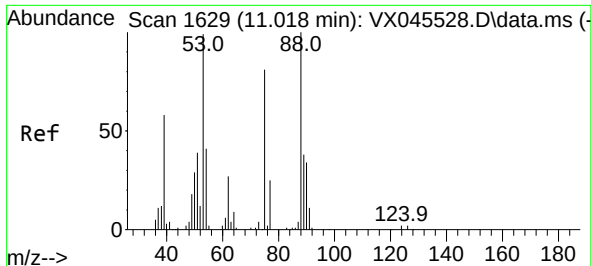
Tgt Ion:152 Resp: 51775
Ion Ratio Lower Upper
152 100
115 64.1 46.9 140.7
150 156.9 0.0 349.4



#76
1,2,3-Trichloropropane
Concen: 28.609 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

Tgt Ion: 75 Resp: 36131
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#

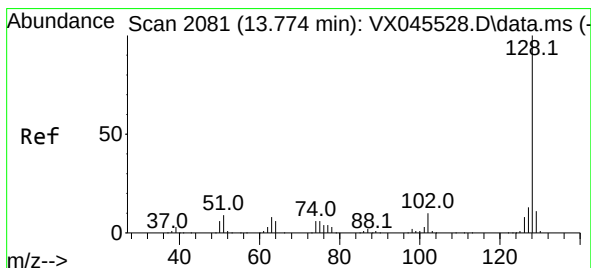
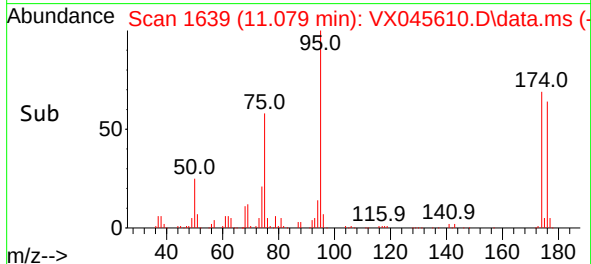
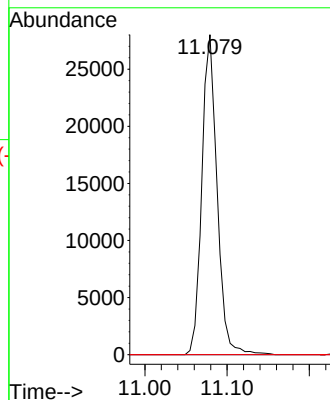
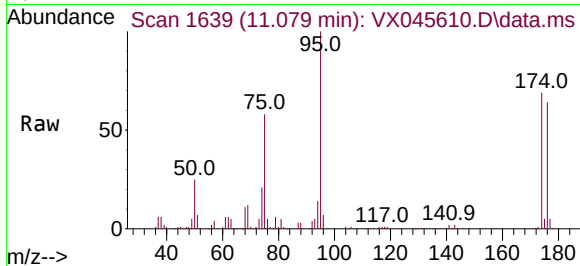




#81
trans-1,4-Dichloro-2-butene
Concen: 97.096 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

Instrument :
MSVOA_X
ClientSampleId :
Z-05A

Tgt Ion: 75 Resp: 36131
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 2.793 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045610.D
Acq: 04 Apr 2025 19:24

Tgt Ion:128 Resp: 10033
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.4 8.6 12.8

