

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041425\
 Data File : VX045770.D
 Acq On : 14 Apr 2025 15:58
 Operator : JC/MD
 Sample : Q1771-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3A

Quant Time: Apr 15 01:29:30 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)

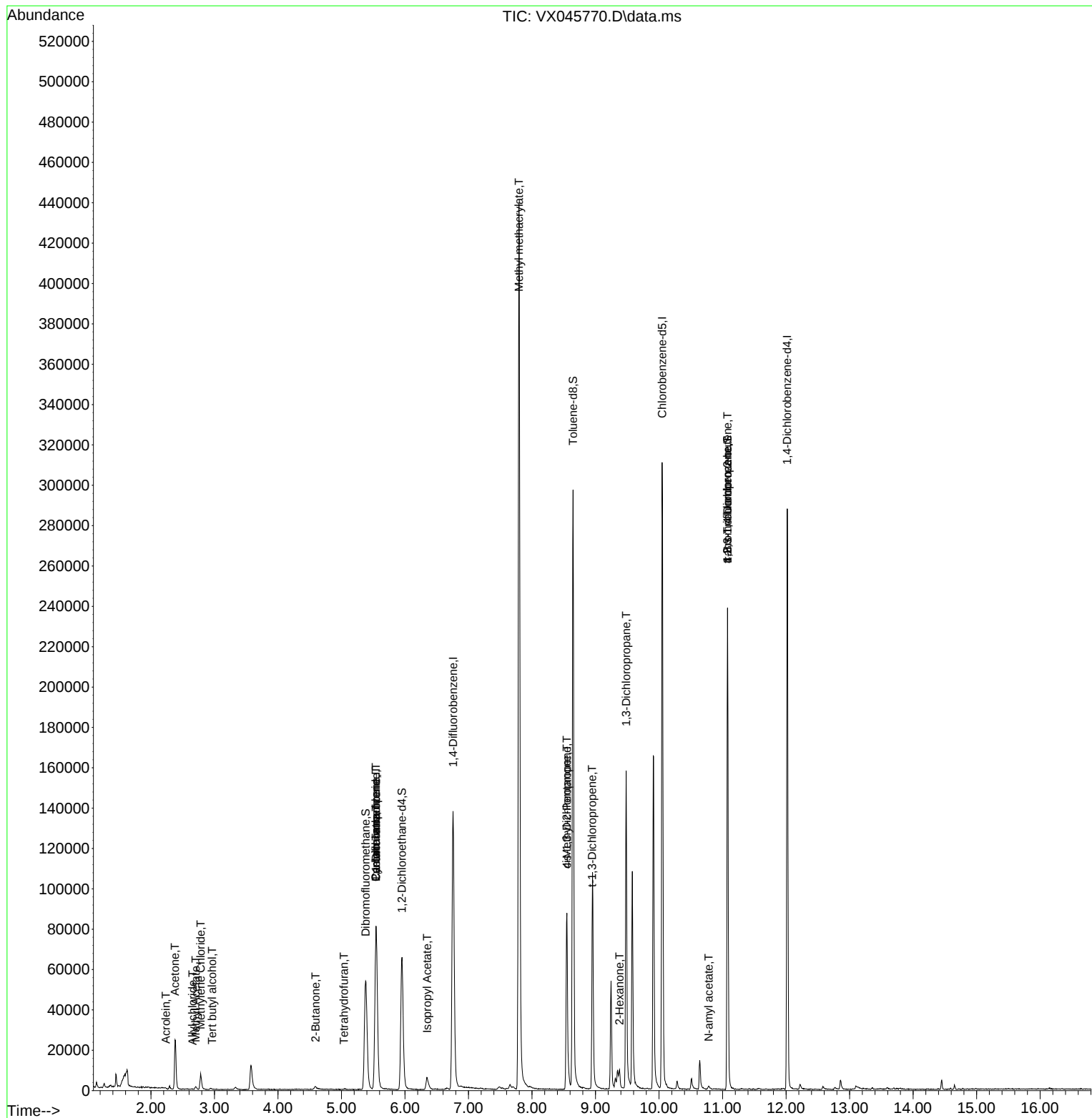
Internal Standards						
1) Pentafluorobenzene	5.543	168	67304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67934	55.194	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.380%	
35) Dibromofluoromethane	5.379	113	47782	50.743	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.480%	
50) Toluene-d8	8.646	98	168159	51.163	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	11.079	95	63973	53.436	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	301	1.820	ug/l #	72
13) Acrolein	2.233	56	164	0.720	ug/l #	44
14) Allyl chloride	2.654	41	368	0.240	ug/l #	34
16) Acetone	2.379	43	27744	54.894	ug/l	97
18) Methyl Acetate	2.702	43	1911	1.642	ug/l #	90
20) Methylene Chloride	2.782	84	3397	3.590	ug/l	95
25) 2-Butanone	4.592	43	3829	5.176	ug/l #	82
29) Tetrahydrofuran	5.037	42	133	0.277	ug/l #	65
31) Cyclohexane	5.543	56	2047	1.356	ug/l #	51
36) 1,1-Dichloropropene	5.543	75	6955	5.470	ug/l #	50
38) Carbon Tetrachloride	5.543	117	8257	6.009	ug/l #	16
43) Isopropyl Acetate	6.348	43	8551	3.521	ug/l	97
48) Methyl methacrylate	7.793	41	44486	35.480	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	35763	22.215	ug/l #	49
53) t-1,3-Dichloropropene	8.945	75	213	2.431	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13560	9.715	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1335	0.819	ug/l #	42
59) 2-Hexanone	9.378	43	9774	8.199	ug/l #	28
74) N-amyl acetate	10.780	43	1489	0.739	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	36965	28.809	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36965	97.776	ug/l #	1

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

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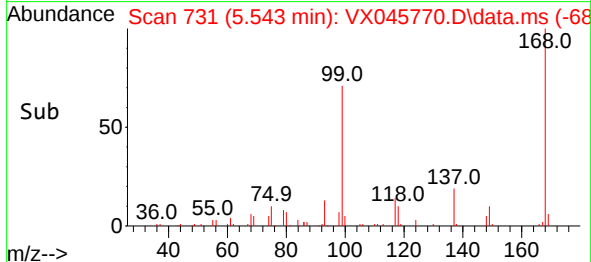
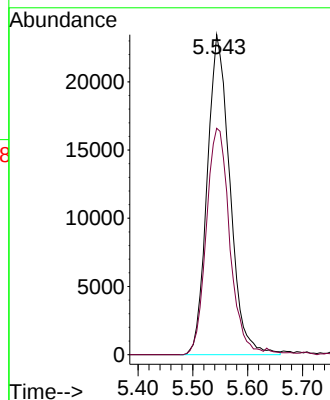
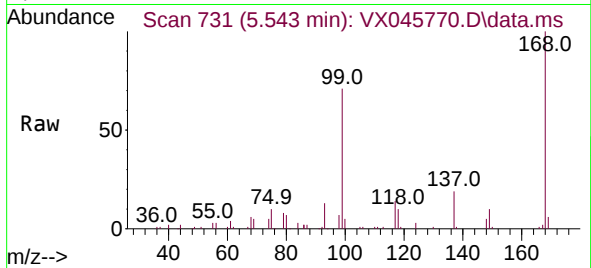




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

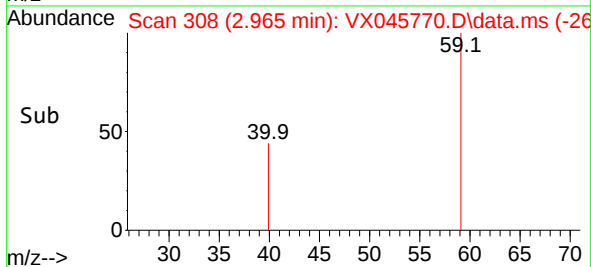
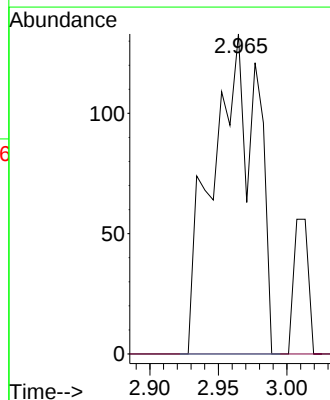
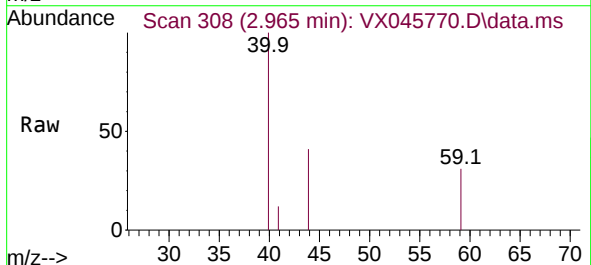
Instrument :
MSVOA_X
ClientSampleId :
TP-3A

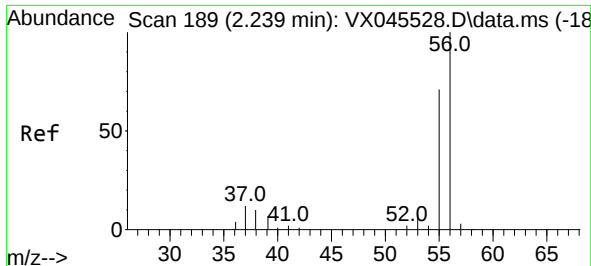
Tgt Ion:168 Resp: 67304
Ion Ratio Lower Upper
168 100
99 70.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.820 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.720 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX045770.D

Acq: 14 Apr 2025 15:58

Instrument :

MSVOA_X

ClientSampleId :

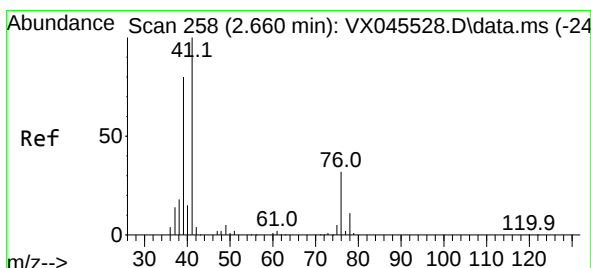
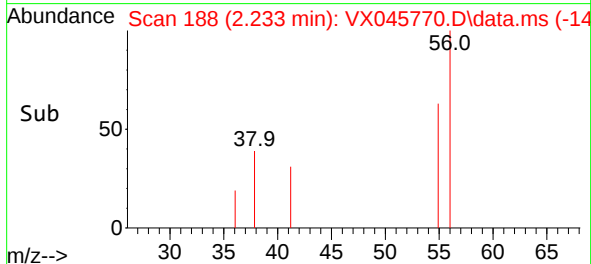
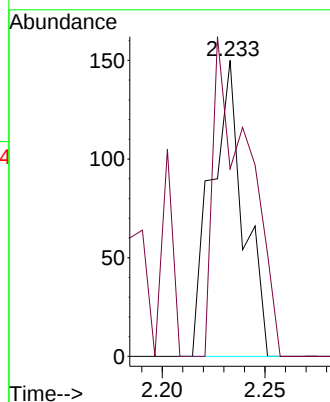
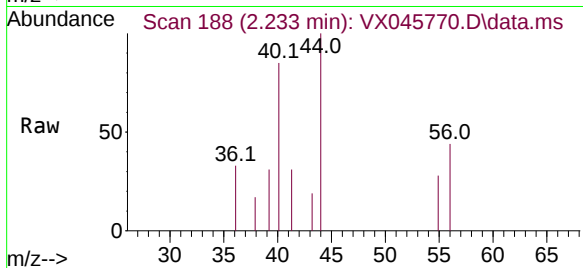
TP-3A

Tgt Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 116.5 56.2 84.2#



#14

Allyl chloride

Concen: 0.240 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX045770.D

Acq: 14 Apr 2025 15:58

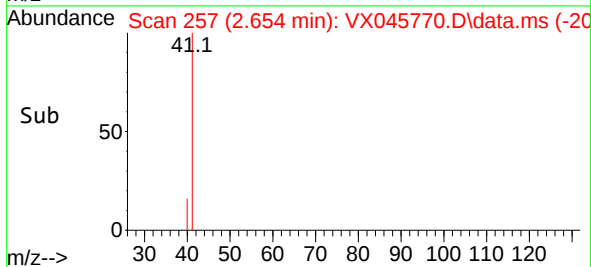
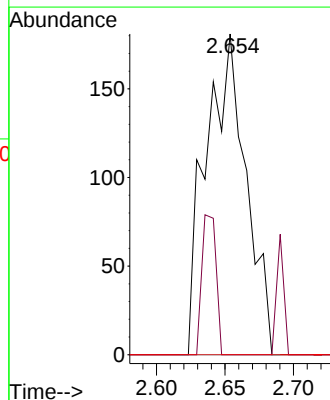
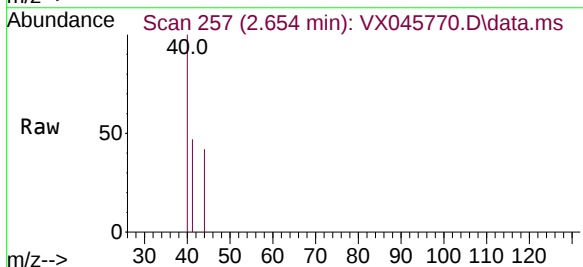
Tgt Ion: 41 Resp: 368

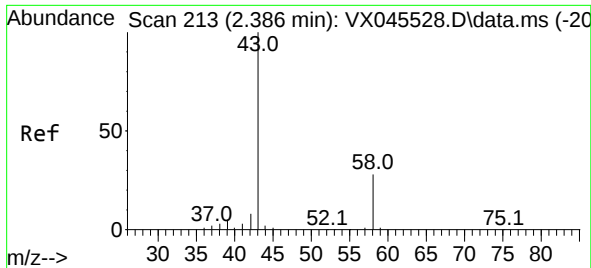
Ion Ratio Lower Upper

41 100

39 15.5 60.2 90.2#

76 0.0 24.6 36.8#

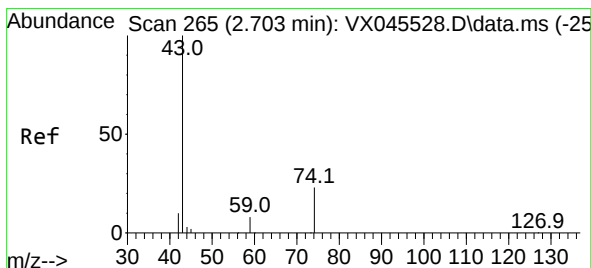
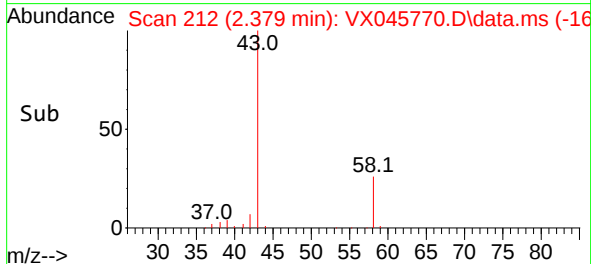
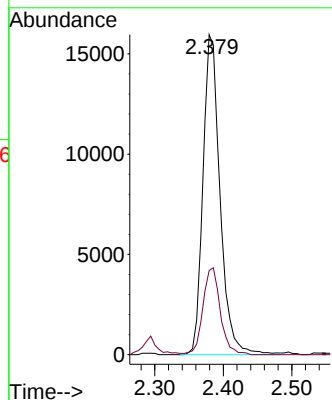
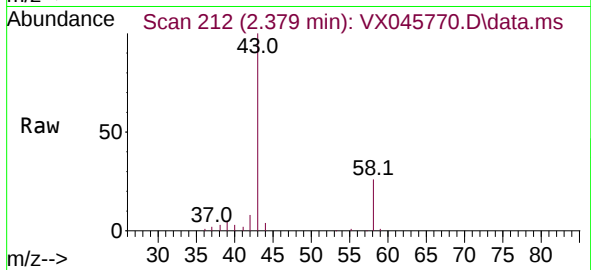




#16
Acetone
Concen: 54.894 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

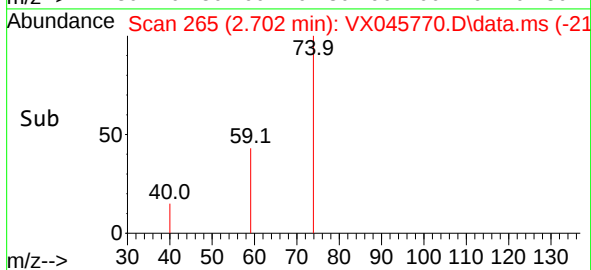
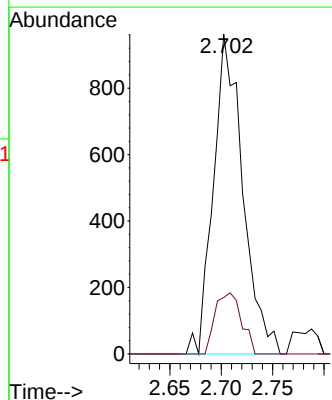
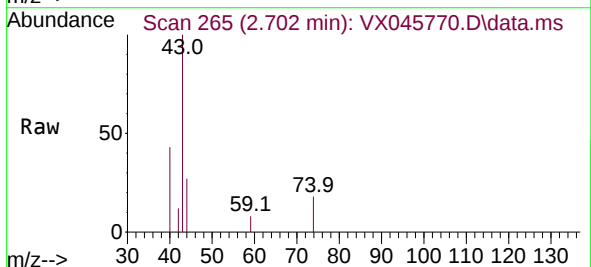
Instrument :
MSVOA_X
ClientSampleId :
TP-3A

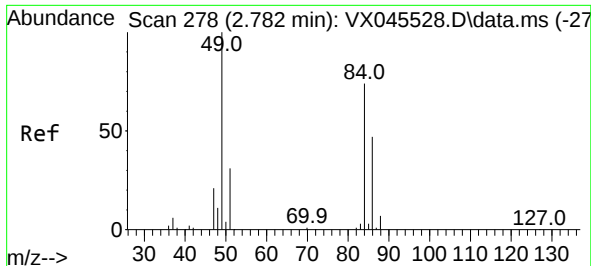
Tgt Ion: 43 Resp: 27744
Ion Ratio Lower Upper
43 100
58 26.3 22.3 33.5



#18
Methyl Acetate
Concen: 1.642 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

Tgt Ion: 43 Resp: 1911
Ion Ratio Lower Upper
43 100
74 17.1 17.5 26.3#

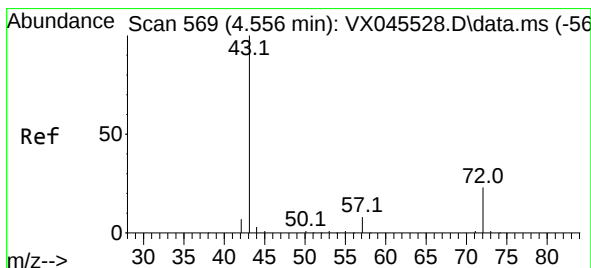
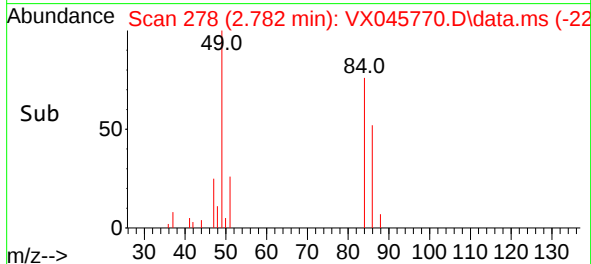
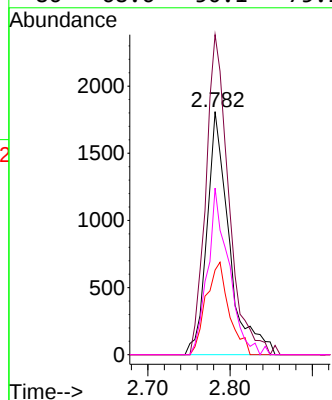
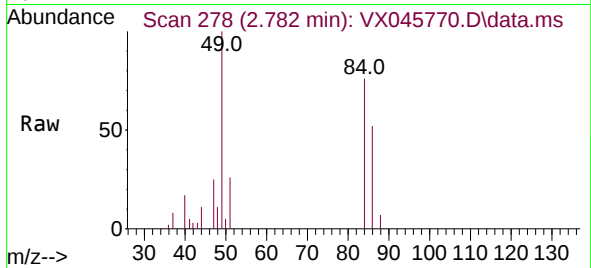




#20
Methylene Chloride
Concen: 3.590 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

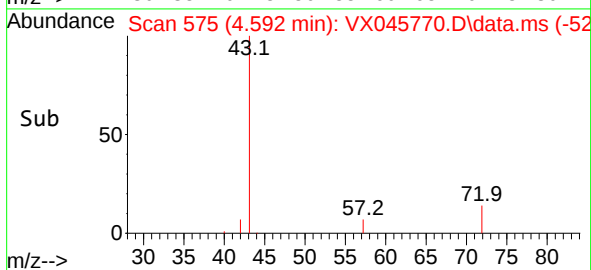
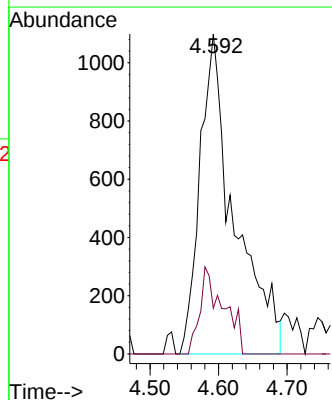
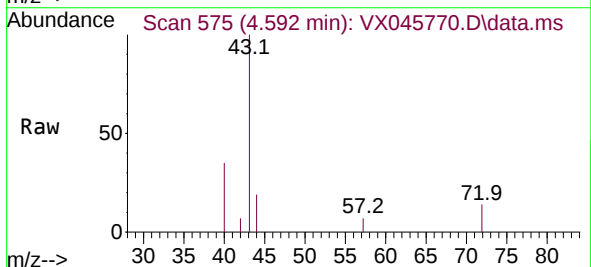
Instrument :
MSVOA_X
ClientSampleId :
TP-3A

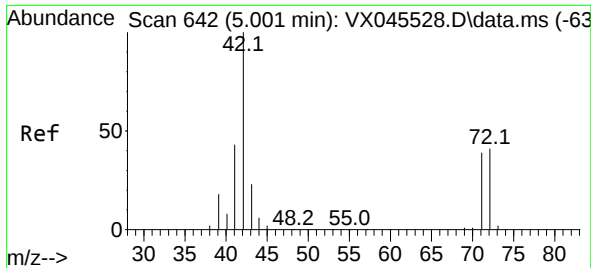
Tgt Ion:	84	Resp:	3397
Ion	Ratio	Lower	Upper
84	100		
49	131.7	107.5	161.3
51	34.9	33.0	49.6
86	68.6	50.1	75.1



#25
2-Butanone
Concen: 5.176 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

Tgt Ion:	43	Resp:	3829
Ion	Ratio	Lower	Upper
43	100		
72	14.3	18.6	28.0#

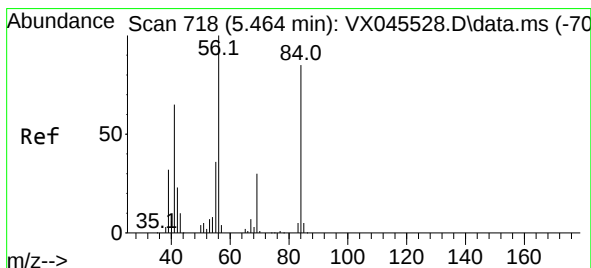
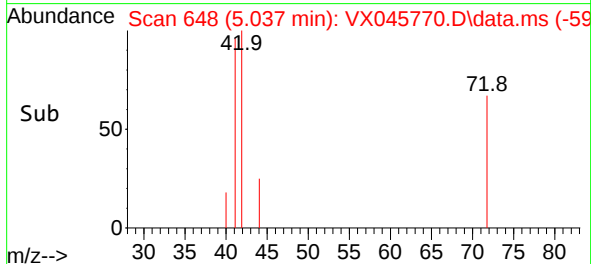
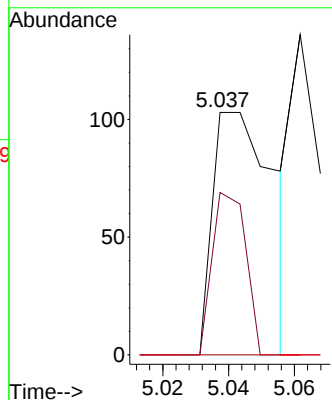
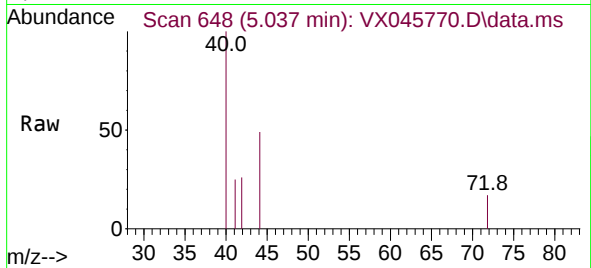




#29
Tetrahydrofuran
Concen: 0.277 ug/l
RT: 5.037 min Scan# 64
Delta R.T. 0.036 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

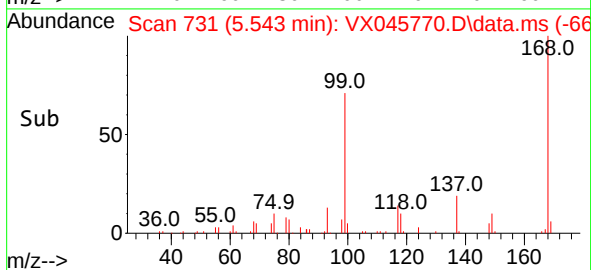
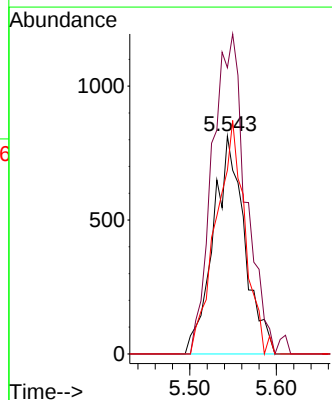
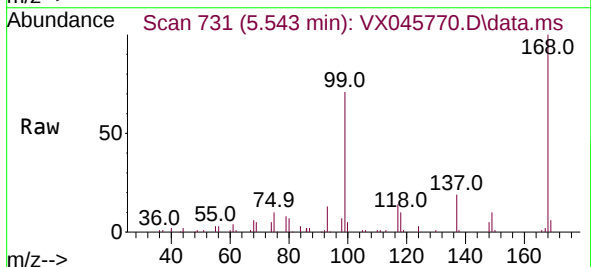
Instrument :
MSVOA_X
ClientSampleId :
TP-3A

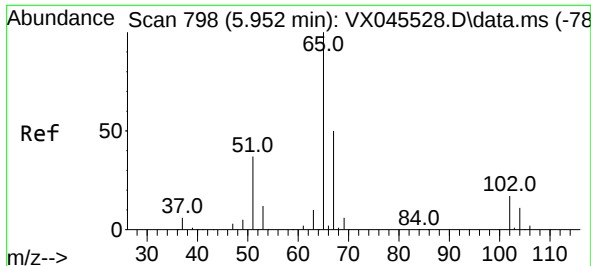
Tgt Ion: 42 Resp: 133
Ion Ratio Lower Upper
42 100
72 36.8 33.4 50.0
71 0.0 31.4 47.0#



#31
Cyclohexane
Concen: 1.356 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

Tgt Ion: 56 Resp: 2047
Ion Ratio Lower Upper
56 100
69 131.3 23.6 35.4#
84 84.3 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.194 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045770.D

Acq: 14 Apr 2025 15:58

Instrument :

MSVOA_X

ClientSampleId :

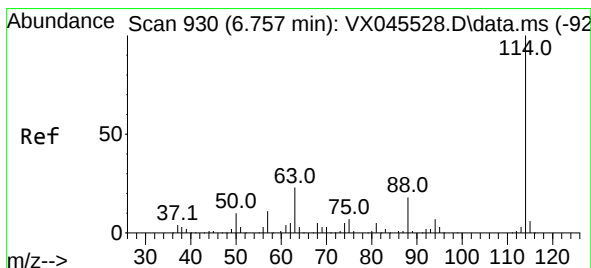
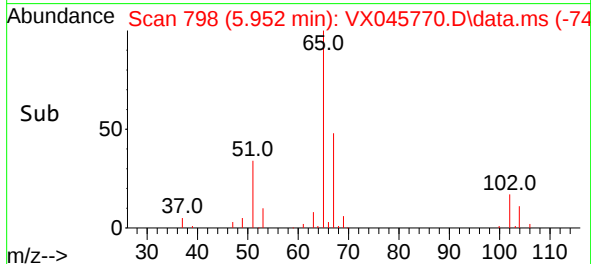
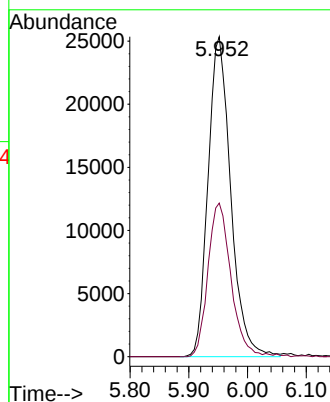
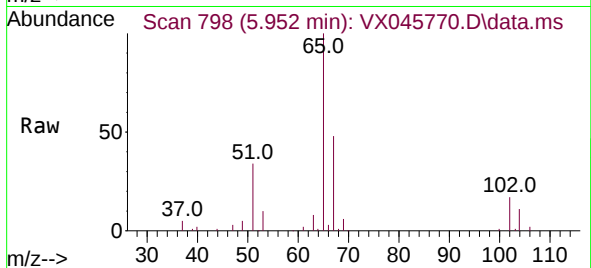
TP-3A

Tgt Ion: 65 Resp: 67934

Ion Ratio Lower Upper

65 100

67 48.6 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: VX045770.D

Acq: 14 Apr 2025 15:58

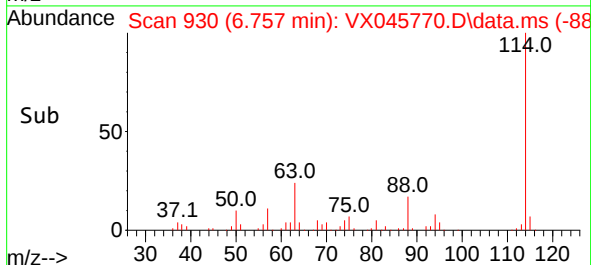
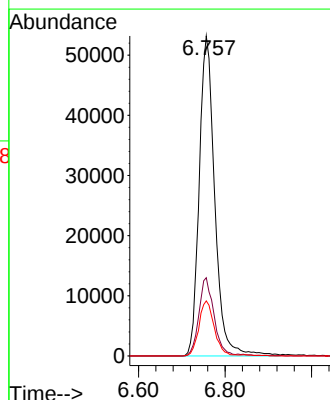
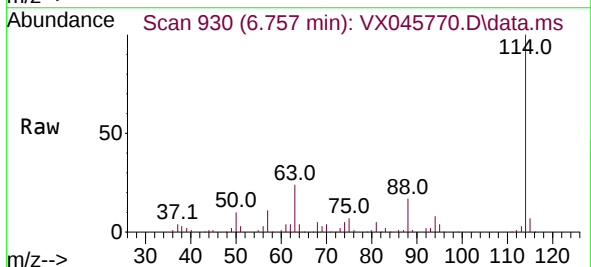
Tgt Ion: 114 Resp: 132720

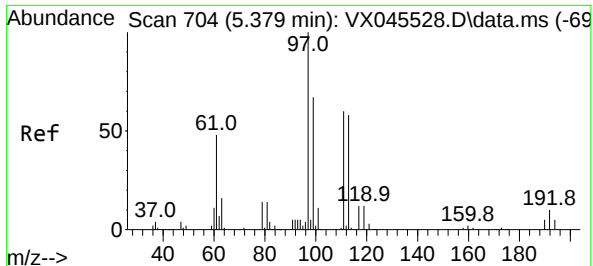
Ion Ratio Lower Upper

114 100

63 24.5 0.0 46.8

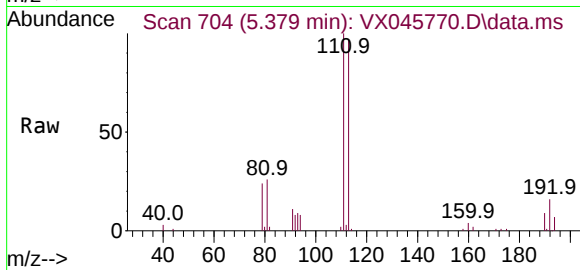
88 17.2 0.0 35.4





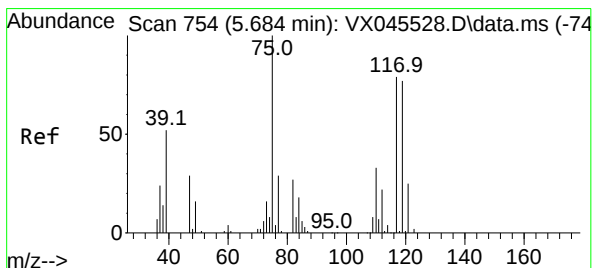
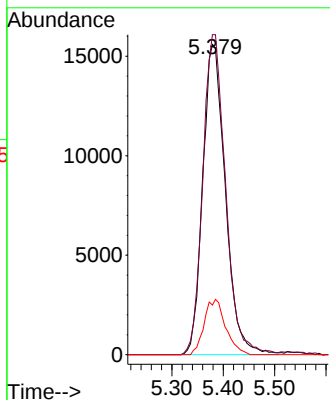
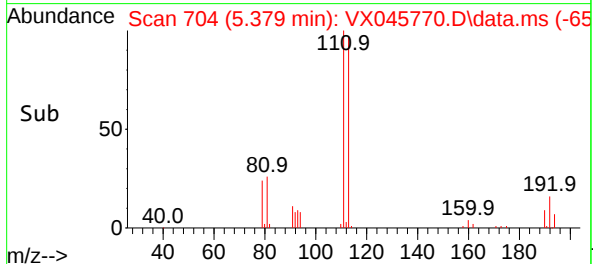
#35
Dibromofluoromethane
Concen: 50.743 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

Instrument :
MSVOA_X
ClientSampleId :
TP-3A



Tgt Ion:113 Resp: 47782

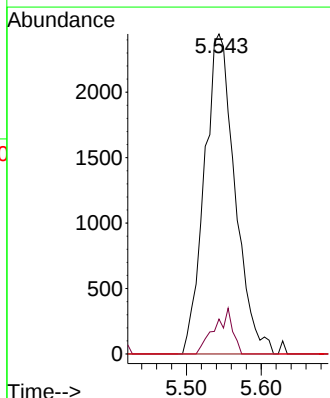
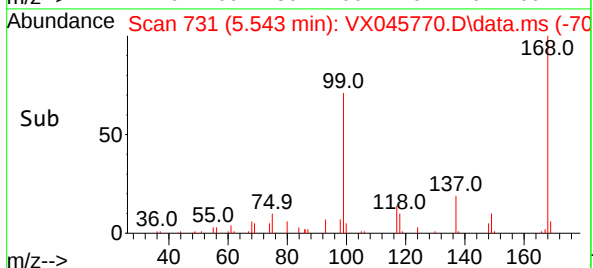
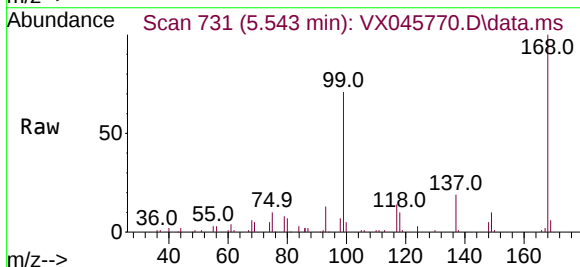
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.6
192	16.8	13.8	20.6

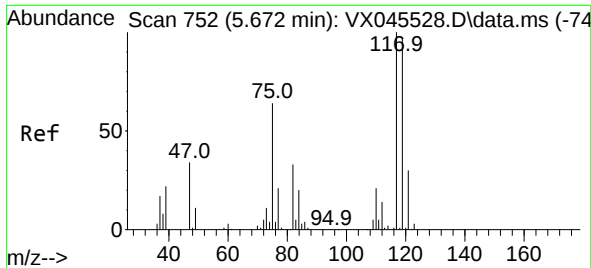


#36
1,1-Dichloropropene
Concen: 5.470 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.141 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

Tgt Ion: 75 Resp: 6955

Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.9	50.6#
77	0.0	25.0	37.4#

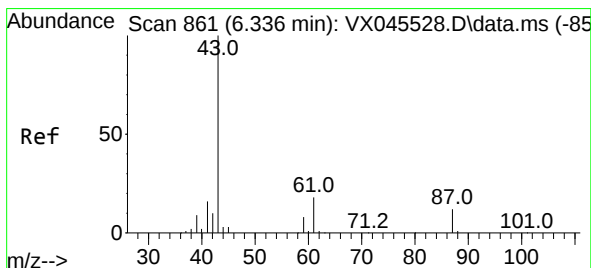
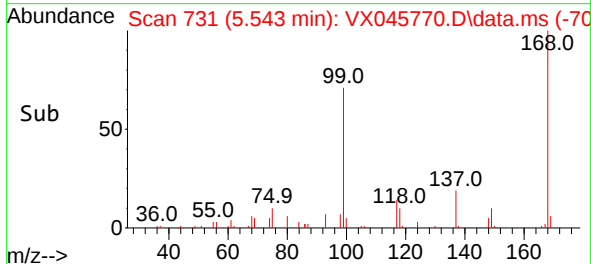
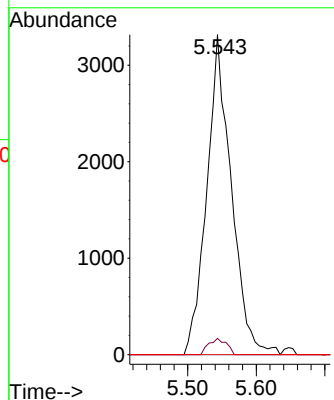
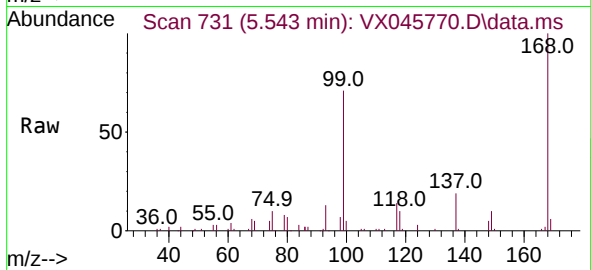




#38
Carbon Tetrachloride
Concen: 6.009 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

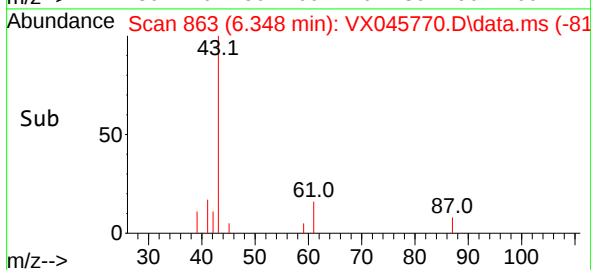
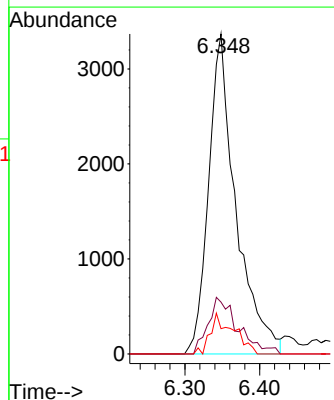
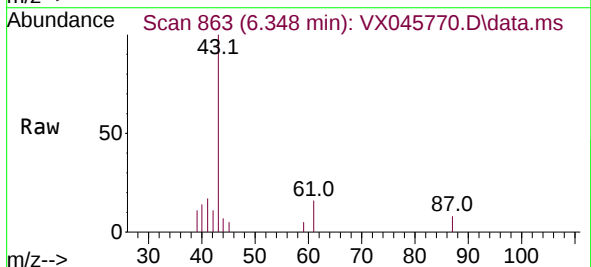
Instrument :
MSVOA_X
ClientSampleId :
TP-3A

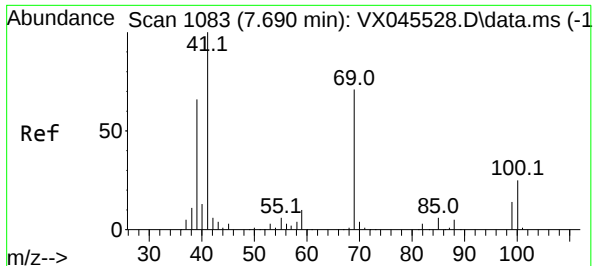
Tgt Ion:117 Resp: 8257
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.521 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

Tgt Ion: 43 Resp: 8551
Ion Ratio Lower Upper
43 100
61 19.3 14.1 21.1
87 10.8 9.2 13.8





#48

Methyl methacrylate

Concen: 35.480 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.103 min

Lab File: VX045770.D

Acq: 14 Apr 2025 15:58

Instrument :

MSVOA_X

ClientSampleId :

TP-3A

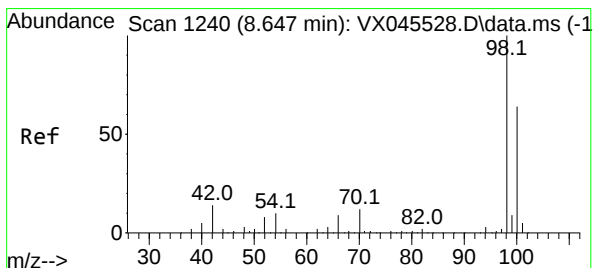
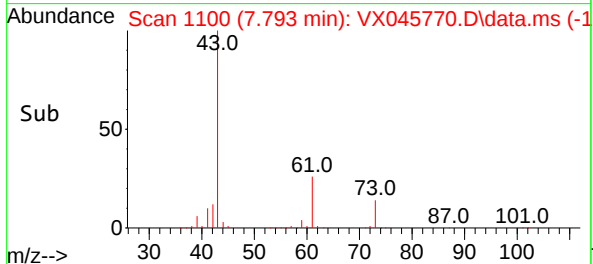
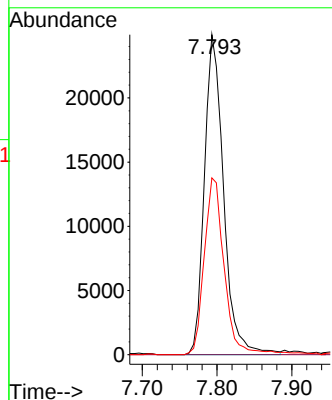
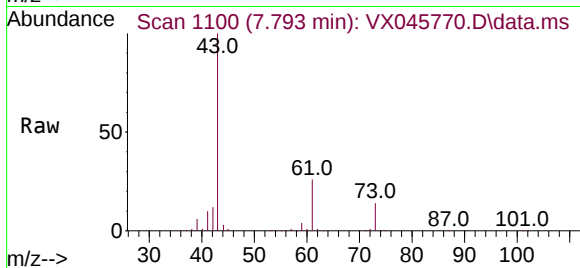
Tgt Ion: 41 Resp: 44486

Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 58.1 53.6 80.4



#50

Toluene-d8

Concen: 51.163 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045770.D

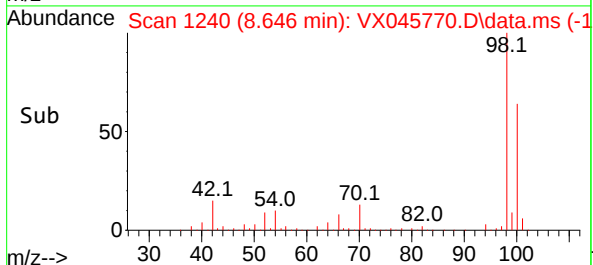
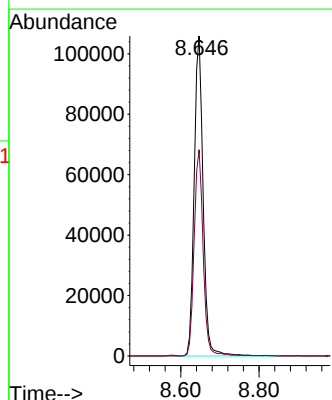
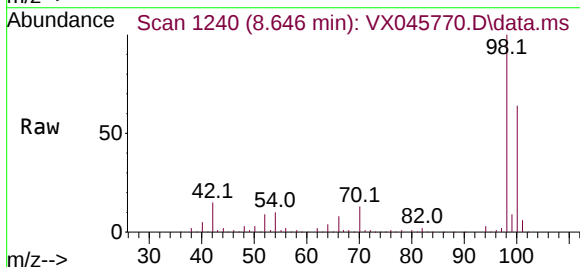
Acq: 14 Apr 2025 15:58

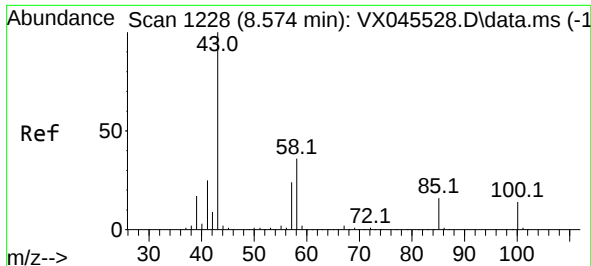
Tgt Ion: 98 Resp: 168159

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4

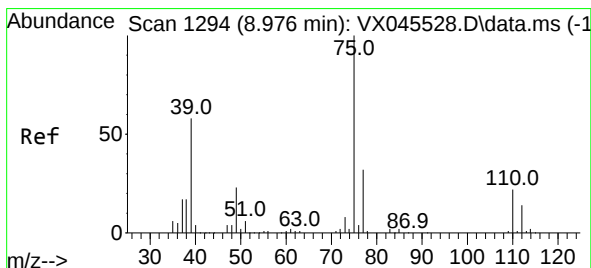
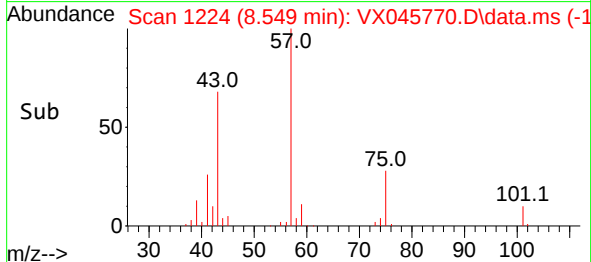
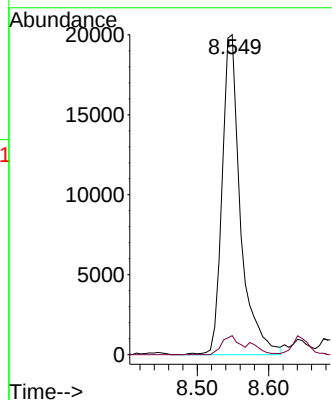
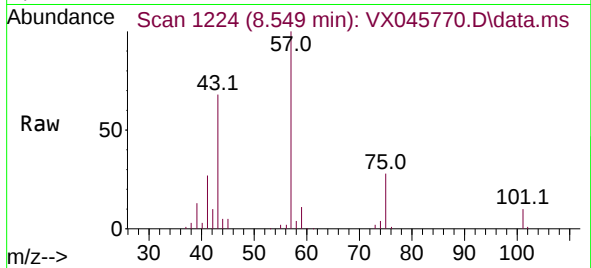




#51
4-Methyl-2-Pentanone
Concen: 22.215 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

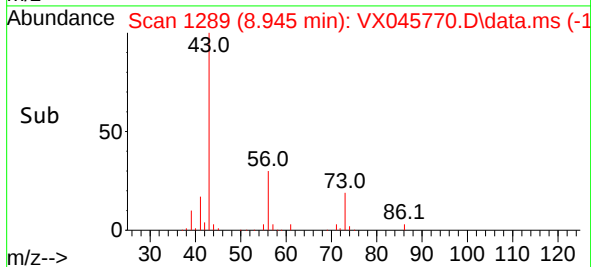
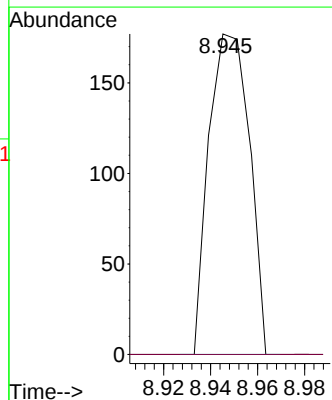
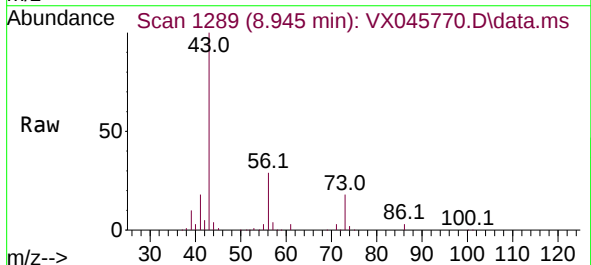
Instrument :
MSVOA_X
ClientSampleId :
TP-3A

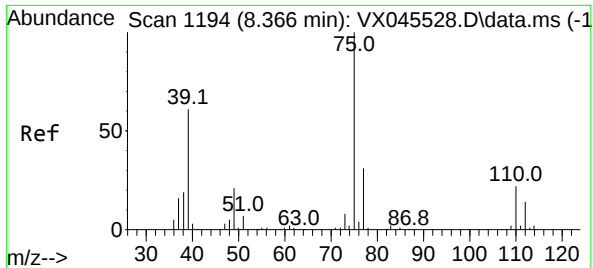
Tgt Ion: 43 Resp: 35763
Ion Ratio Lower Upper
43 100
58 5.7 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.431 ug/l
RT: 8.945 min Scan# 1289
Delta R.T. -0.031 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

Tgt Ion: 75 Resp: 213
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

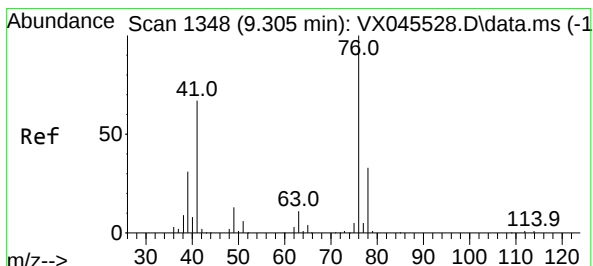
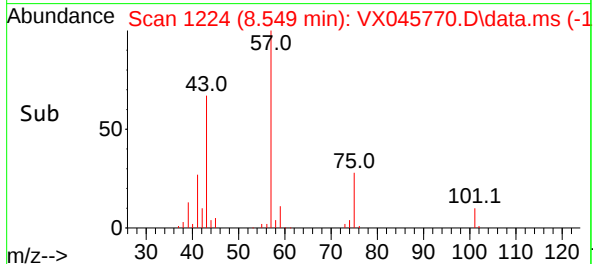
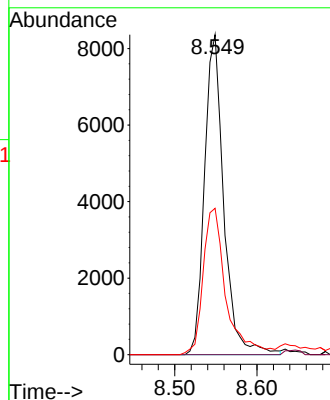
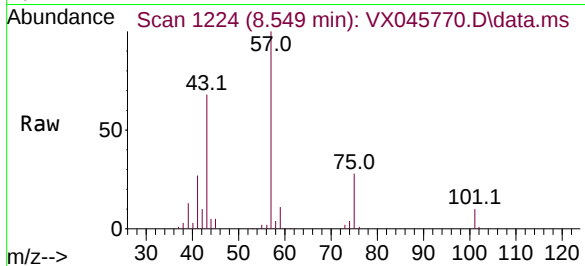




#54
 cis-1,3-Dichloropropene
 Concen: 9.715 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045770.D
 Acq: 14 Apr 2025 15:58

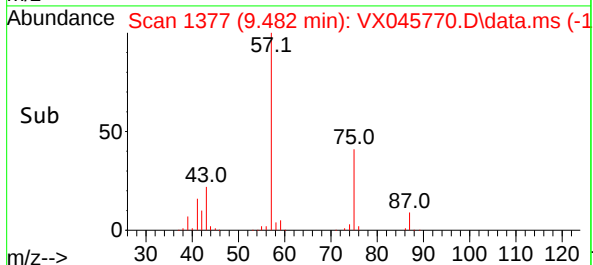
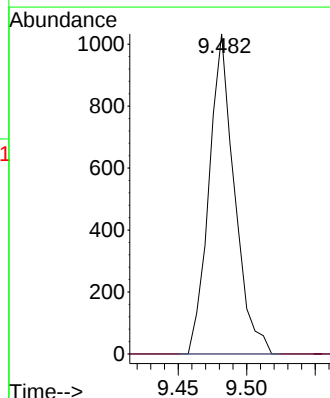
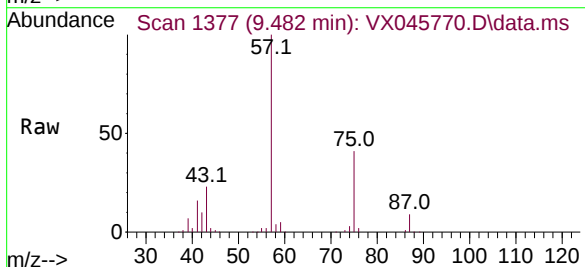
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3A

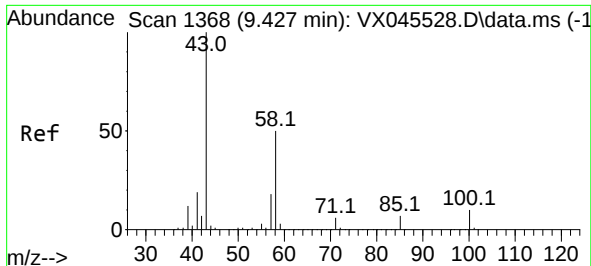
Tgt Ion: 75 Resp: 13560
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.8 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.819 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045770.D
 Acq: 14 Apr 2025 15:58

Tgt Ion: 76 Resp: 1335
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 8.199 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX045770.D

Acq: 14 Apr 2025 15:58

Instrument :

MSVOA_X

ClientSampleId :

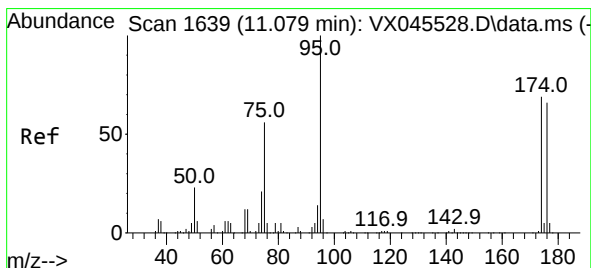
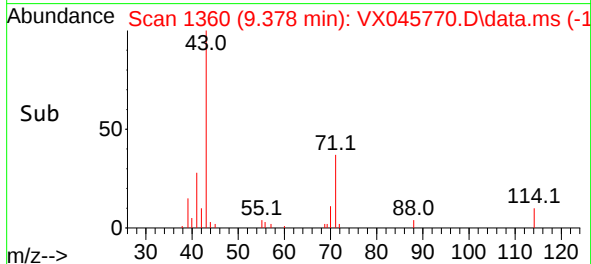
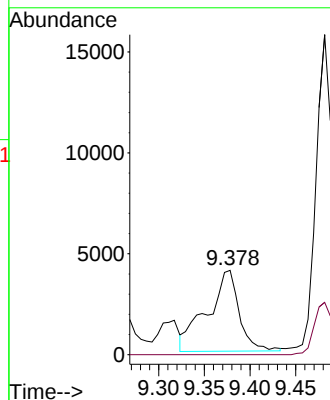
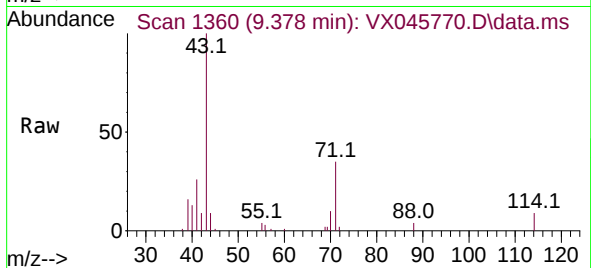
TP-3A

Tgt Ion: 43 Resp: 9774

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 53.436 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045770.D

Acq: 14 Apr 2025 15:58

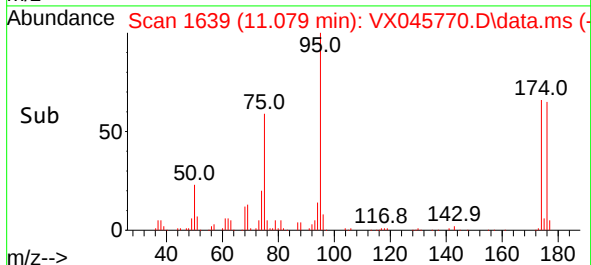
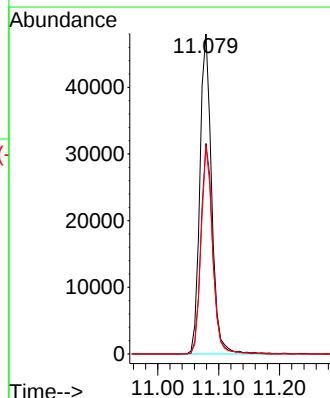
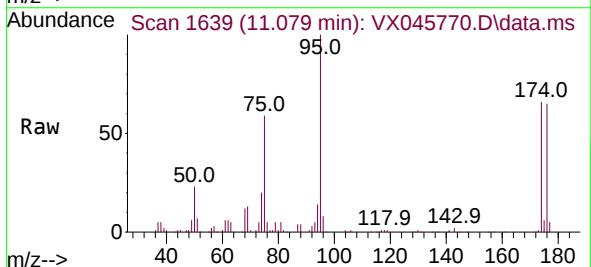
Tgt Ion: 95 Resp: 63973

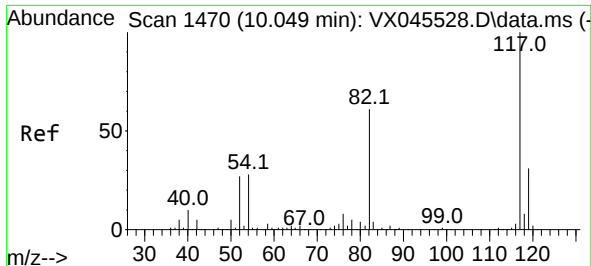
Ion Ratio Lower Upper

95 100

174 66.1 0.0 135.8

176 63.9 0.0 131.4

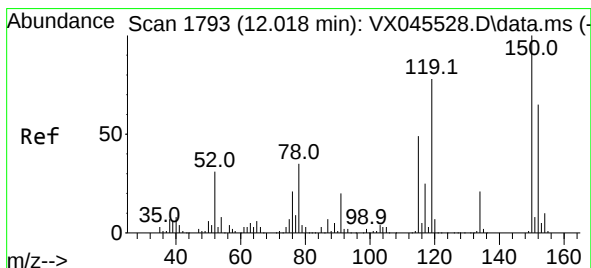
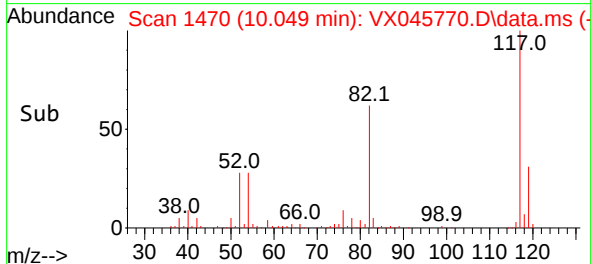
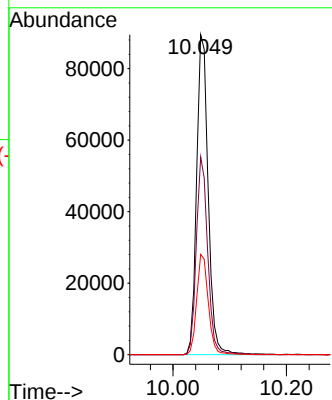
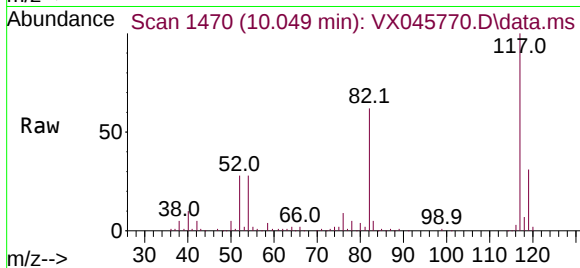




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

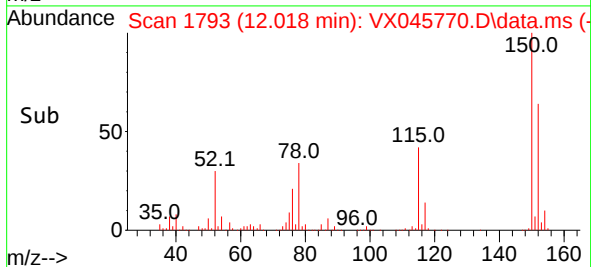
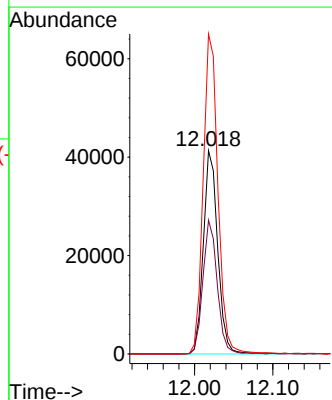
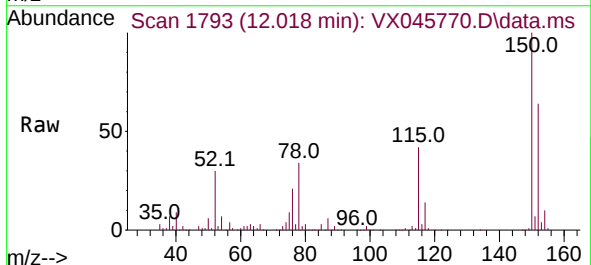
Instrument :
MSVOA_X
ClientSampleId :
TP-3A

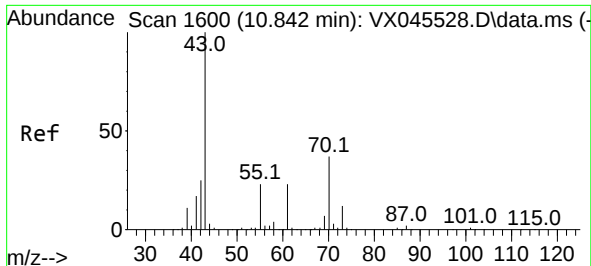
Tgt Ion:117 Resp: 126403
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 31.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

Tgt Ion:152 Resp: 52602
Ion Ratio Lower Upper
152 100
115 65.9 46.9 140.7
150 161.4 0.0 349.4

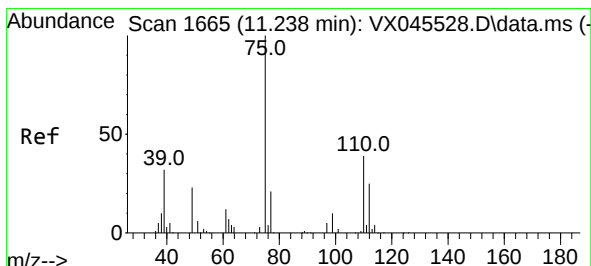
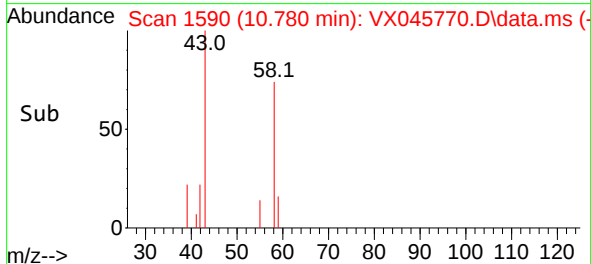
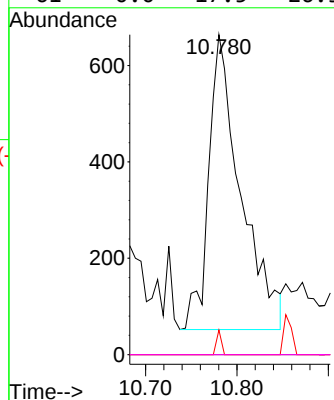
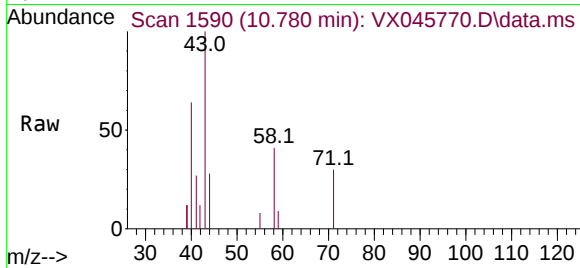




#74
N-amy1 acetate
Concen: 0.739 ug/l
RT: 10.780 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

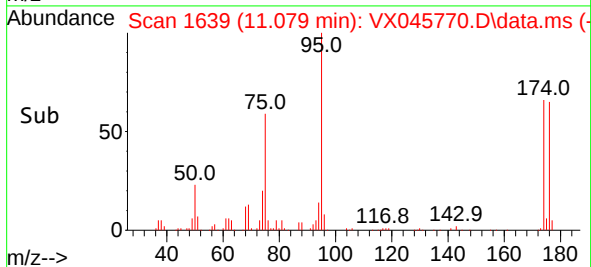
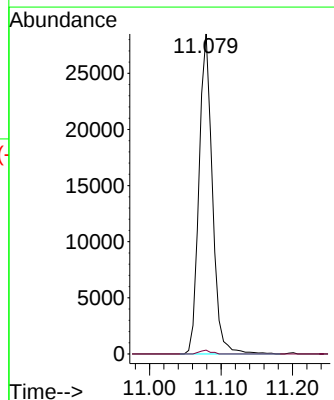
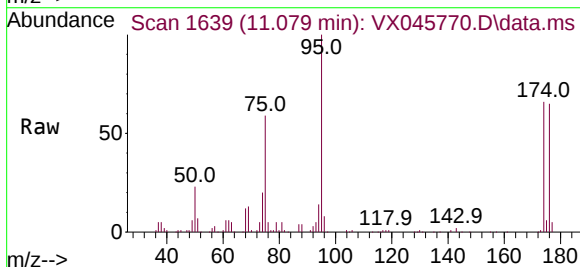
Instrument :
MSVOA_X
ClientSampleId :
TP-3A

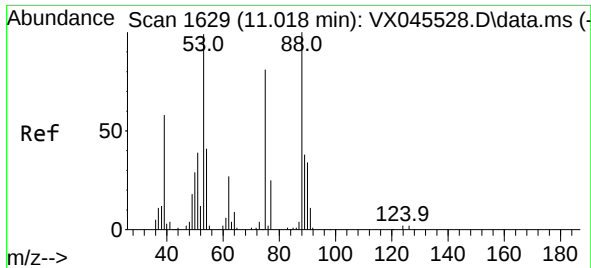
Tgt Ion:	43	Resp:	1489
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	1.3	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 28.809 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045770.D
Acq: 14 Apr 2025 15:58

Tgt Ion:	75	Resp:	36965
Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.0	59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.776 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045770.D
 Acq: 14 Apr 2025 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3A

Tgt Ion: 75 Resp: 36965
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

