

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046693.D
 Acq On : 13 Jun 2025 16:41
 Operator : JC/MD
 Sample : Q2296-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

Quant Time: Jun 13 23:32:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

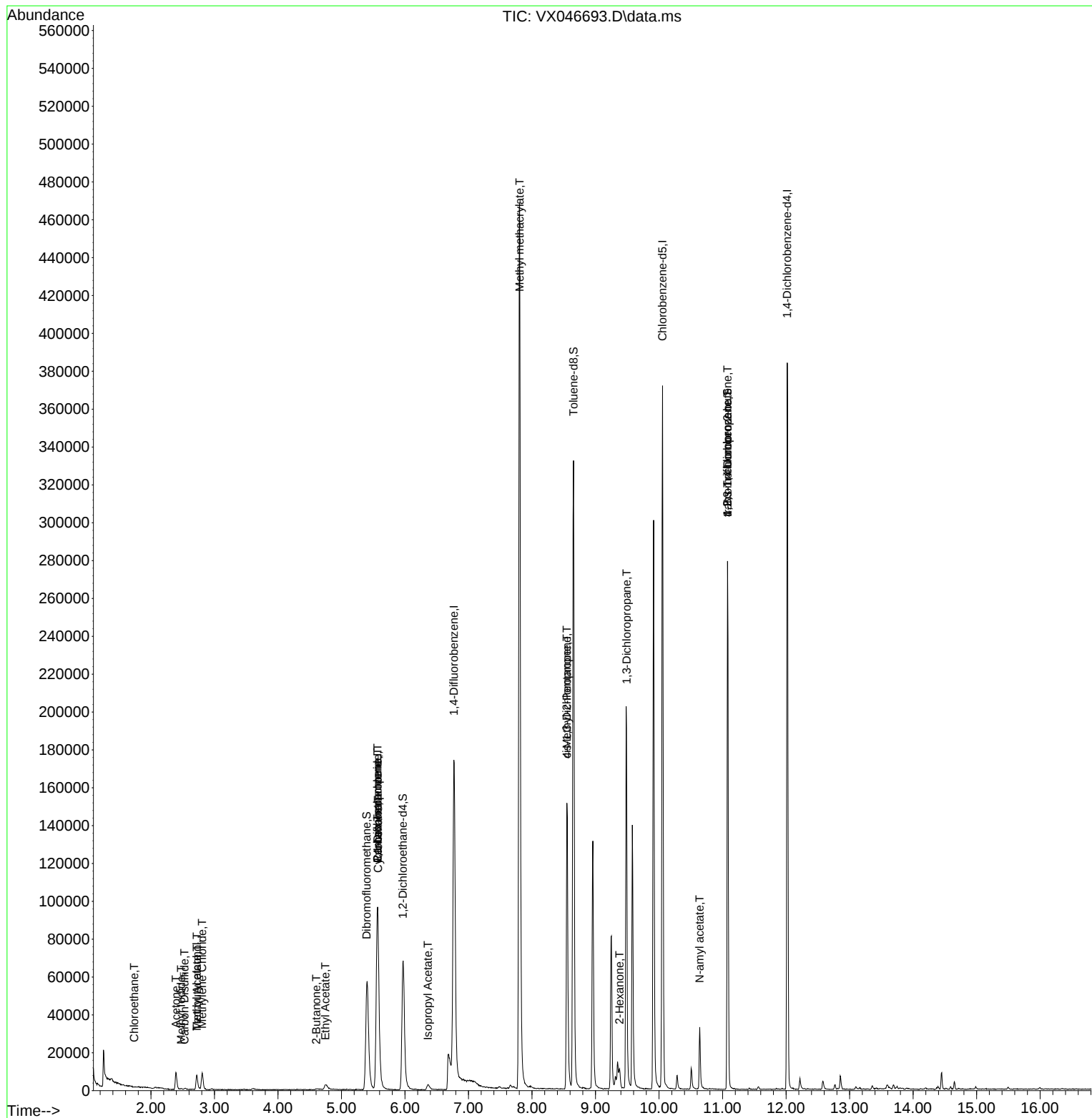
Internal Standards						
1) Pentafluorobenzene	5.568	168	92370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	169535	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	74297	45.211	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.420%
35) Dibromofluoromethane	5.397	113	55243	44.309	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.620%
50) Toluene-d8	8.653	98	197948	48.158	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.320%
62) 4-Bromofluorobenzene	11.079	95	76084	44.738	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.480%
Target Compounds						
					Qvalue	
6) Chloroethane	1.733	64	253	0.335	ug/l #	44
10) Methyl Iodide	2.477	142	579	0.440	ug/l #	74
11) Tert butyl alcohol	2.721	59	770	4.223	ug/l #	72
16) Acetone	2.392	43	11389	21.918	ug/l	91
17) Carbon Disulfide	2.526	76	338	0.347	ug/l #	76
18) Methyl Acetate	2.721	43	10762	5.498	ug/l	94
20) Methylene Chloride	2.806	84	4101	3.111	ug/l	92
25) 2-Butanone	4.605	43	1210	1.323	ug/l #	85
31) Cyclohexane	5.574	56	2323	1.216	ug/l #	23
36) 1,1-Dichloropropene	5.568	75	8273	4.645	ug/l #	51
37) Ethyl Acetate	4.745	43	5802	3.338	ug/l	99
38) Carbon Tetrachloride	5.568	117	10855	5.442	ug/l #	18
43) Isopropyl Acetate	6.361	43	4920	1.624	ug/l #	93
48) Methyl methacrylate	7.805	41	45527	29.202	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	57345	29.781	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	25004	12.530	ug/l #	57
57) 1,3-Dichloropropane	9.488	76	1862	0.852	ug/l #	42
59) 2-Hexanone	9.378	43	7715	5.587	ug/l #	28
74) N-amyl acetate	10.640	43	8724	3.371	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	39696	25.069	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	39696	72.314	ug/l #	1

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

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QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

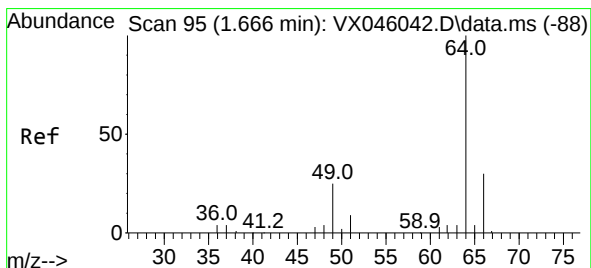
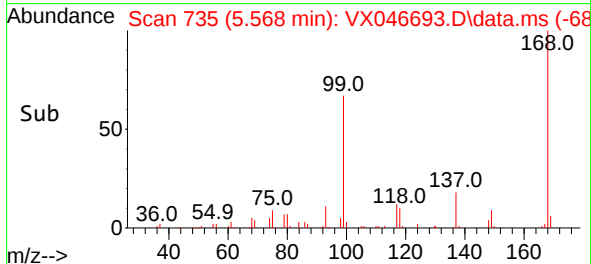
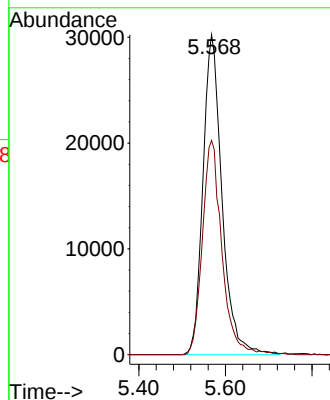
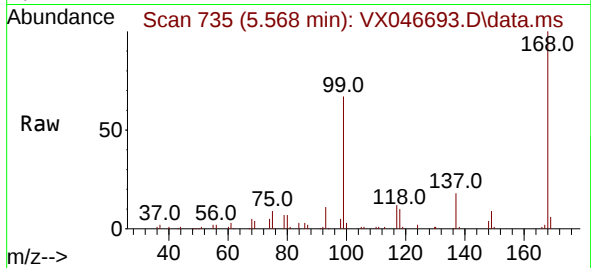




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

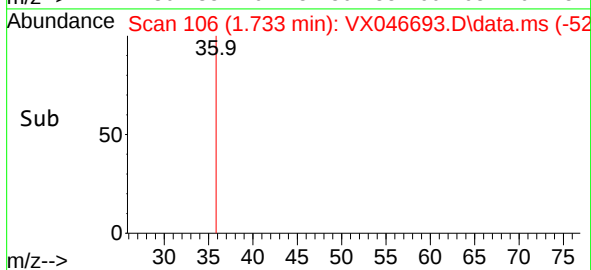
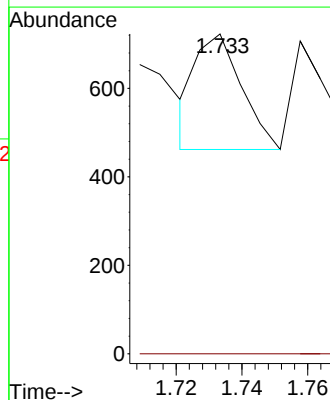
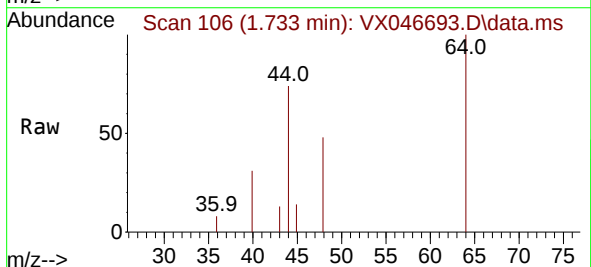
Instrument :
MSVOA_X
ClientSampleId :
WC-3

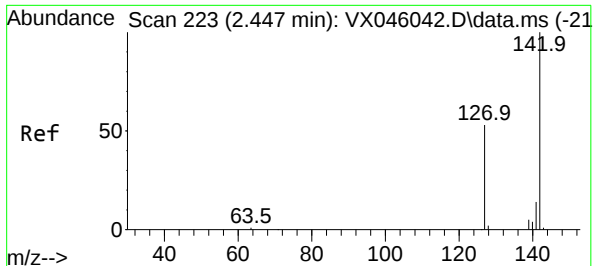
Tgt Ion:168 Resp: 92370
Ion Ratio Lower Upper
168 100
99 67.0 54.9 82.3



#6
Chloroethane
Concen: 0.335 ug/l
RT: 1.733 min Scan# 106
Delta R.T. 0.030 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

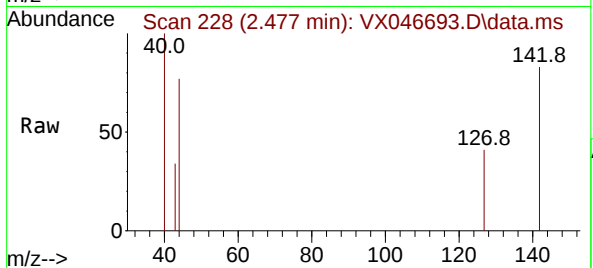
Tgt Ion: 64 Resp: 253
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



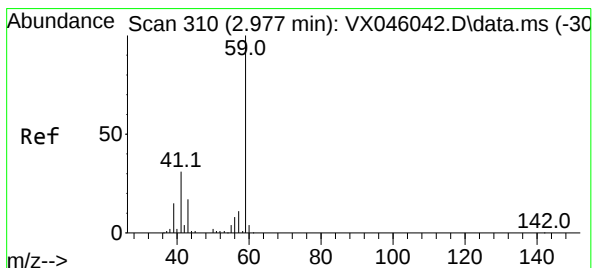
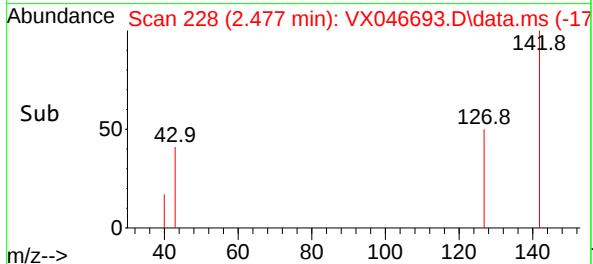
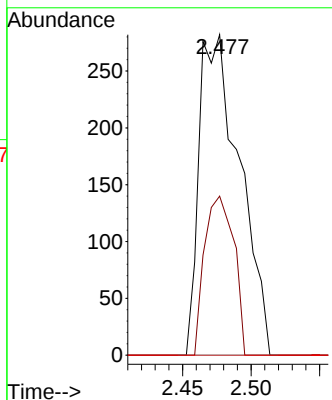


#10
Methyl Iodide
Concen: 0.440 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Instrument :
MSVOA_X
ClientSampleId :
WC-3

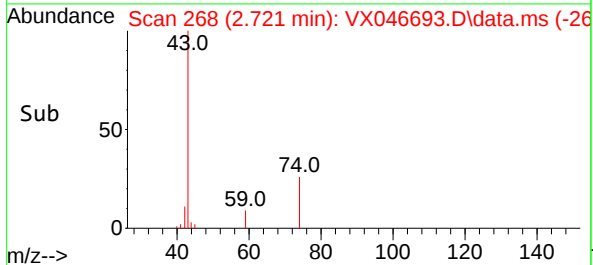
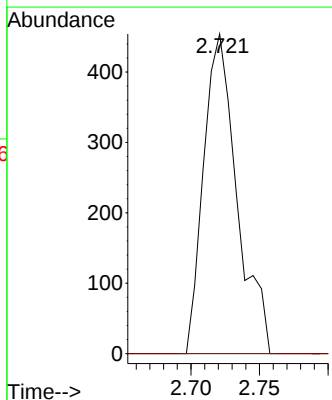
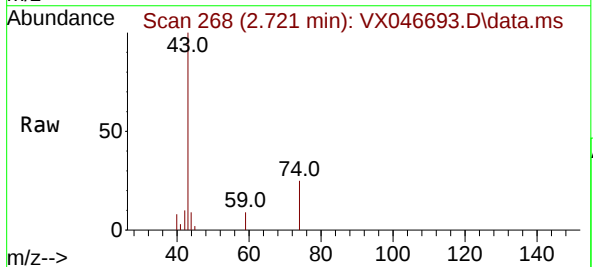


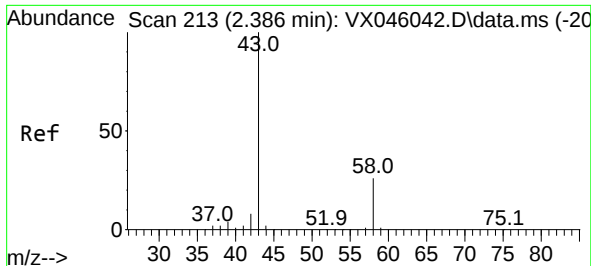
Tgt Ion:142 Resp: 579
Ion Ratio Lower Upper
142 100
127 35.9 41.7 62.5#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 4.223 ug/l
RT: 2.721 min Scan# 268
Delta R.T. -0.250 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion: 59 Resp: 770
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

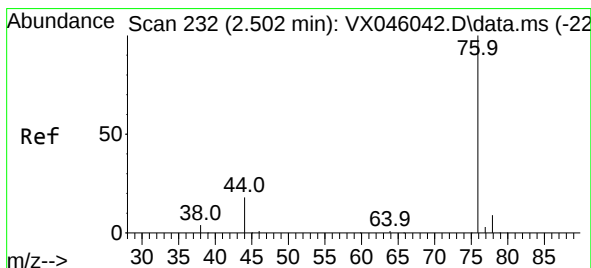
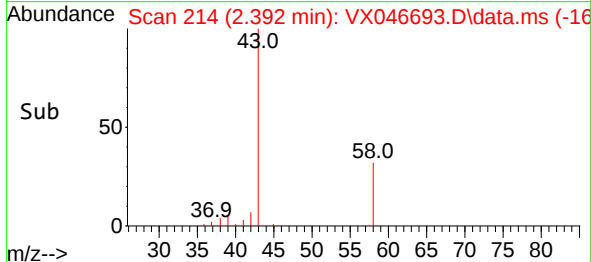
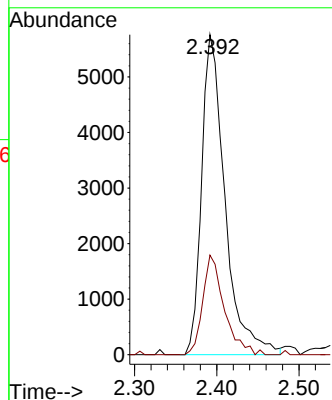
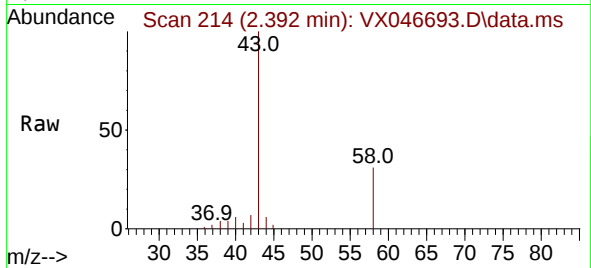




#16
Acetone
Concen: 21.918 ug/l
RT: 2.392 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

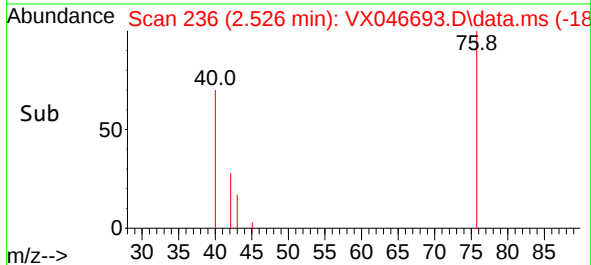
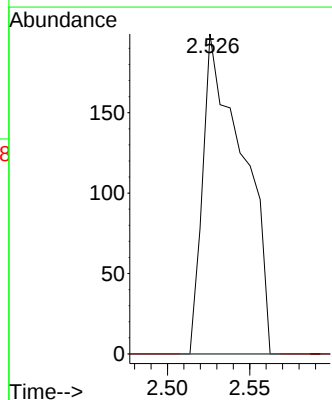
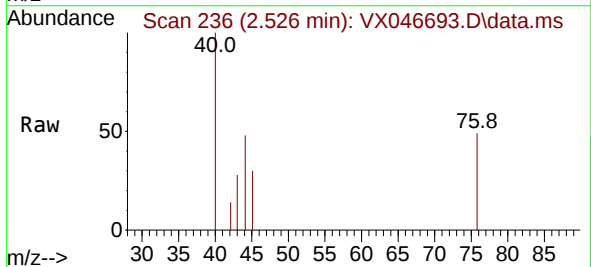
Instrument :
MSVOA_X
ClientSampleId :
WC-3

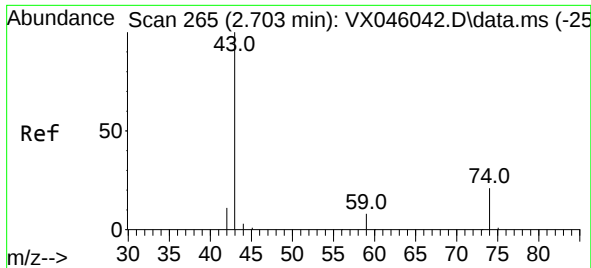
Tgt Ion: 43 Resp: 11389
Ion Ratio Lower Upper
43 100
58 31.1 21.2 31.8



#17
Carbon Disulfide
Concen: 0.347 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion: 76 Resp: 338
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

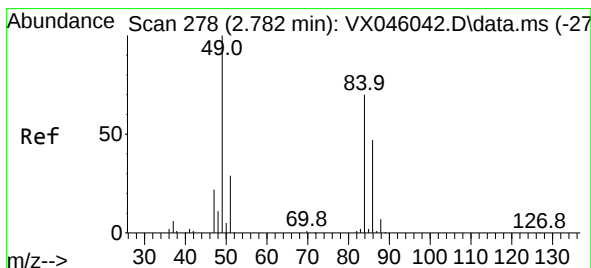
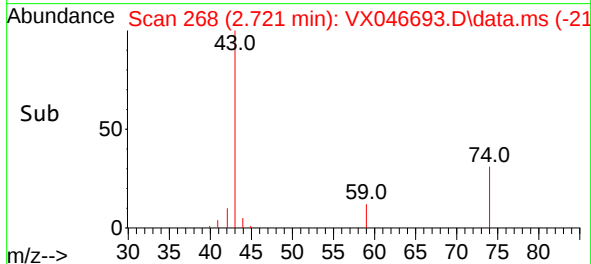
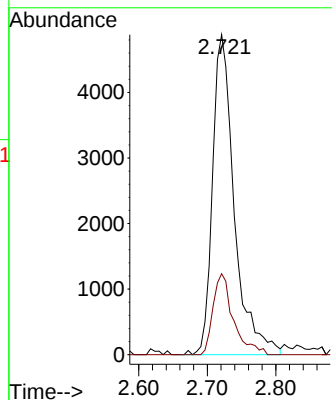
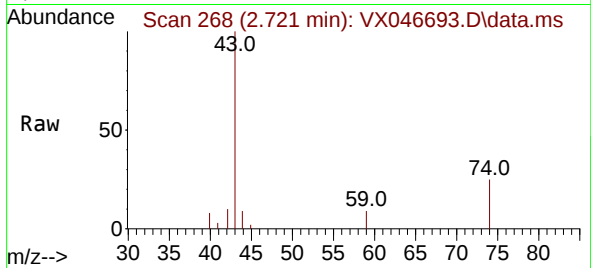




#18
Methyl Acetate
Concen: 5.498 ug/l
RT: 2.721 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

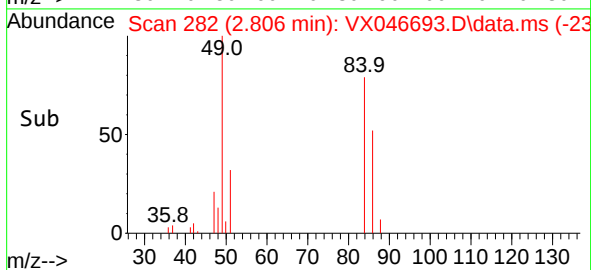
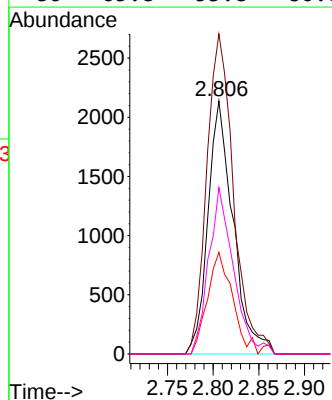
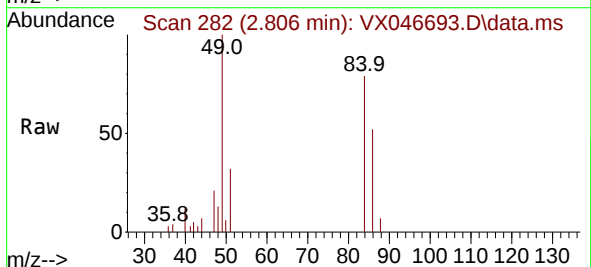
Instrument :
MSVOA_X
ClientSampleId :
WC-3

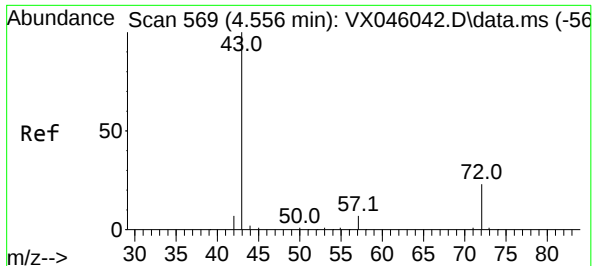
Tgt Ion: 43 Resp: 10762
Ion Ratio Lower Upper
43 100
74 23.6 16.7 25.1



#20
Methylene Chloride
Concen: 3.111 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion: 84 Resp: 4101
Ion Ratio Lower Upper
84 100
49 126.5 113.9 170.9
51 40.1 33.5 50.3
86 65.8 53.8 80.8





#25

2-Butanone

Concen: 1.323 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX046693.D

Acq: 13 Jun 2025 16:41

Instrument :

MSVOA_X

ClientSampleId :

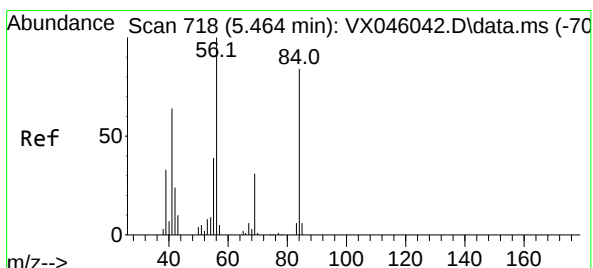
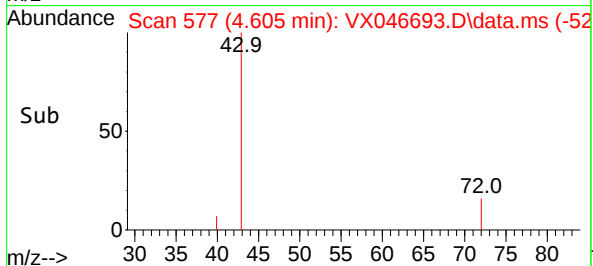
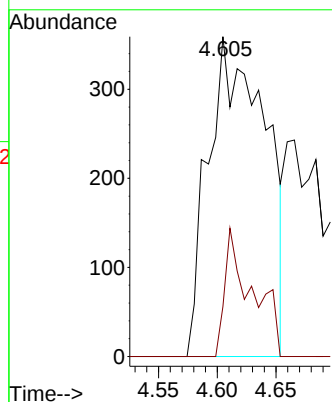
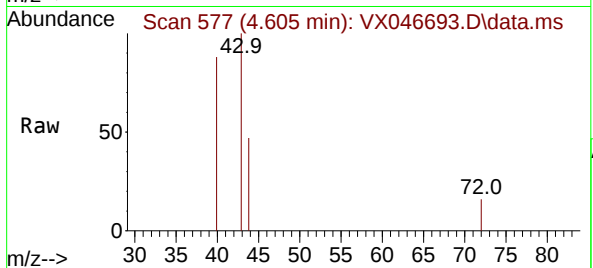
WC-3

Tgt Ion: 43 Resp: 1210

Ion Ratio Lower Upper

43 100

72 15.6 18.4 27.6#



#31

Cyclohexane

Concen: 1.216 ug/l

RT: 5.574 min Scan# 736

Delta R.T. 0.085 min

Lab File: VX046693.D

Acq: 13 Jun 2025 16:41

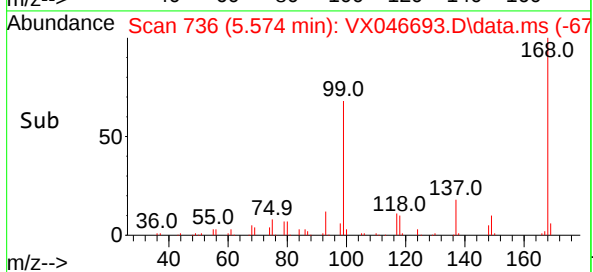
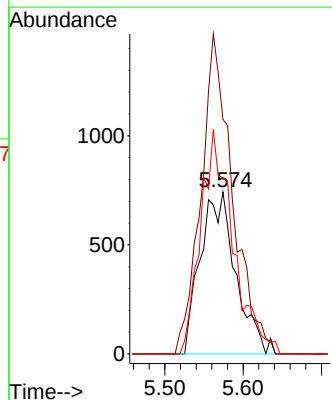
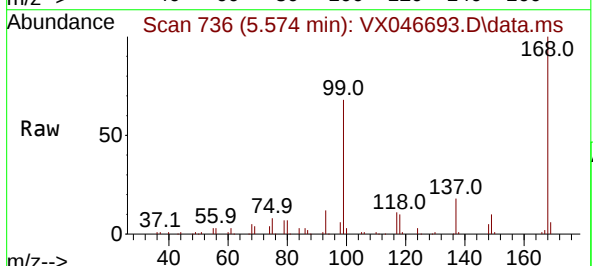
Tgt Ion: 56 Resp: 2323

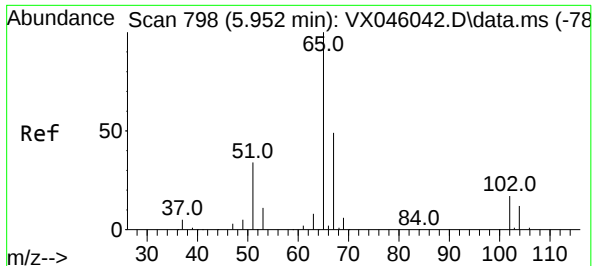
Ion Ratio Lower Upper

56 100

69 145.0 24.4 36.6#

84 108.9 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 45.211 ug/l

RT: 5.964 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX046693.D

Acq: 13 Jun 2025 16:41

Instrument :

MSVOA_X

ClientSampleId :

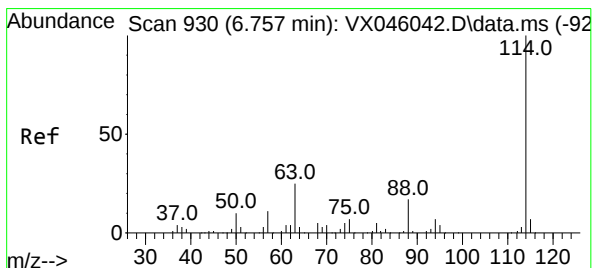
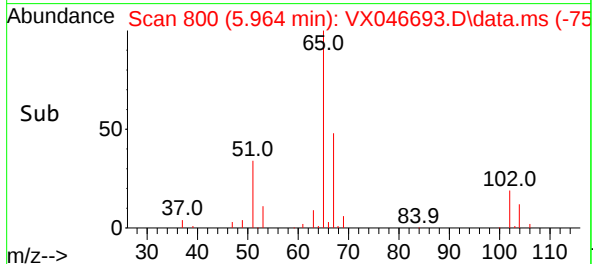
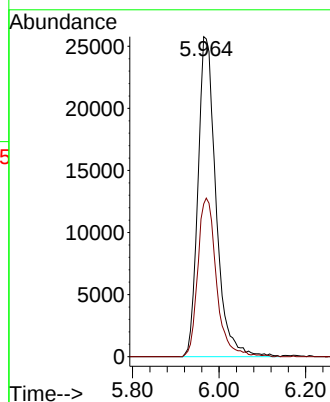
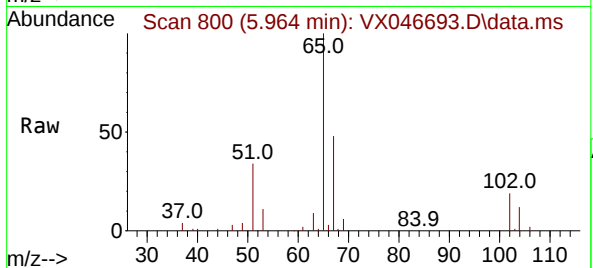
WC-3

Tgt Ion: 65 Resp: 74297

Ion Ratio Lower Upper

65 100

67 51.5 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.006 min

Lab File: VX046693.D

Acq: 13 Jun 2025 16:41

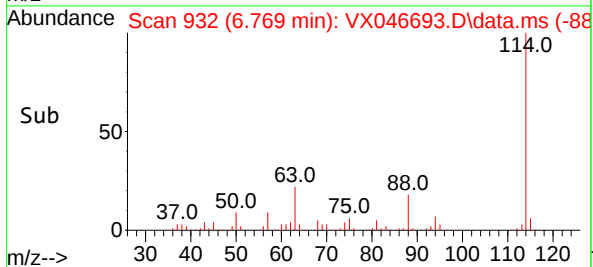
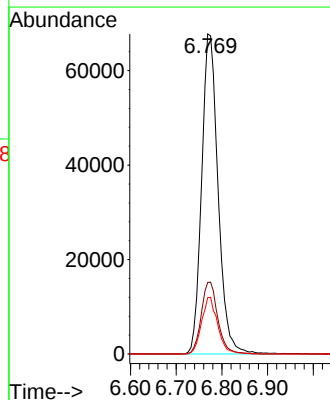
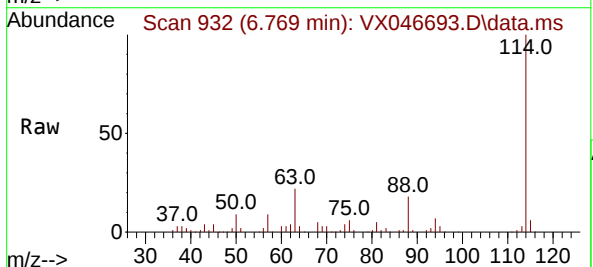
Tgt Ion: 114 Resp: 169535

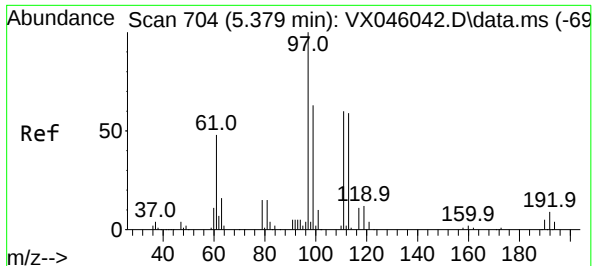
Ion Ratio Lower Upper

114 100

63 22.4 0.0 49.2

88 17.6 0.0 33.6

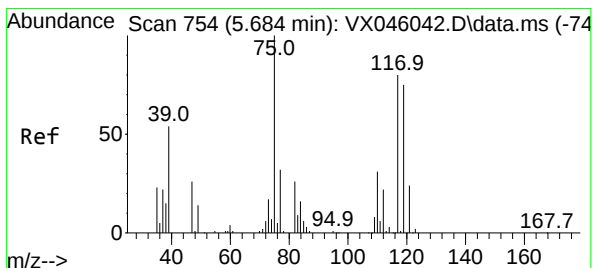
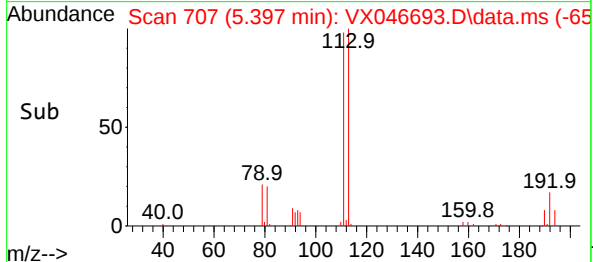
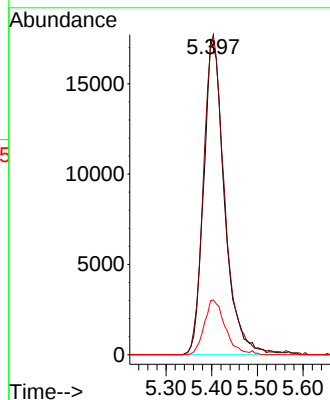
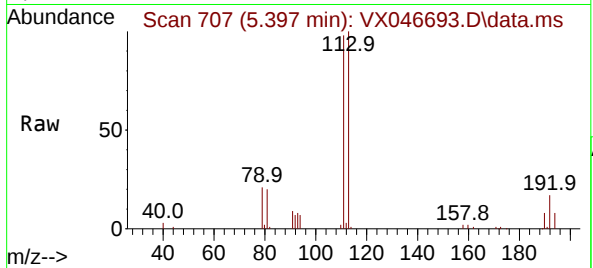




#35
Dibromofluoromethane
Concen: 44.309 ug/l
RT: 5.397 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

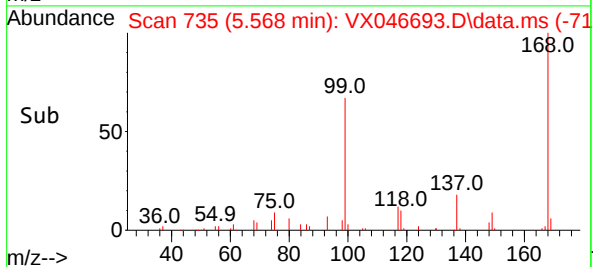
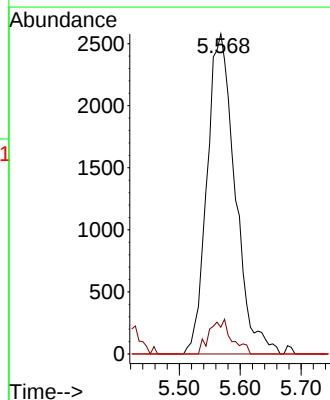
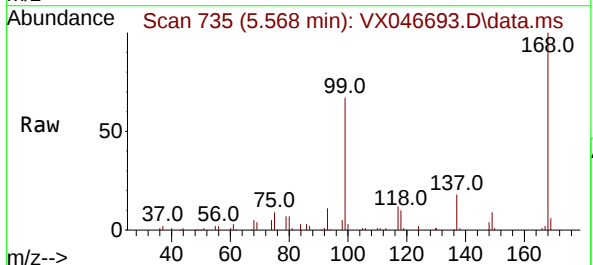
Instrument :
MSVOA_X
ClientSampleId :
WC-3

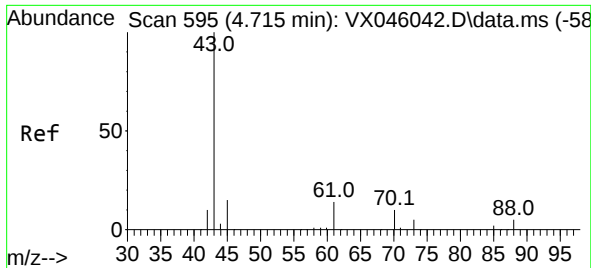
Tgt Ion:113 Resp: 55243
Ion Ratio Lower Upper
113 100
111 103.2 83.1 124.7
192 17.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.645 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.146 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion: 75 Resp: 8273
Ion Ratio Lower Upper
75 100
110 8.5 16.3 48.9#
77 0.0 24.3 36.5#

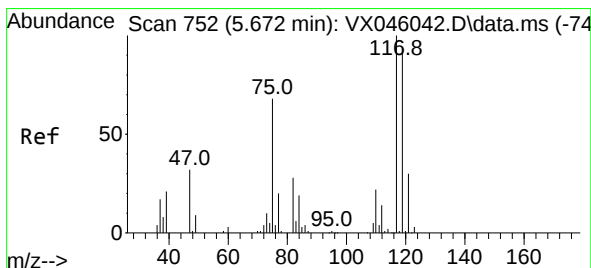
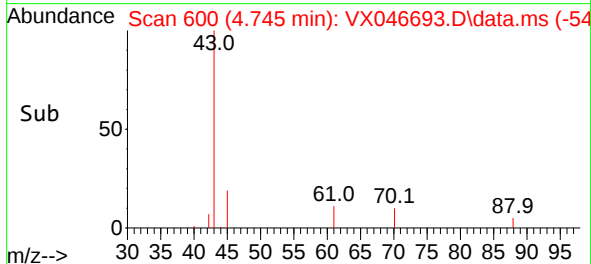
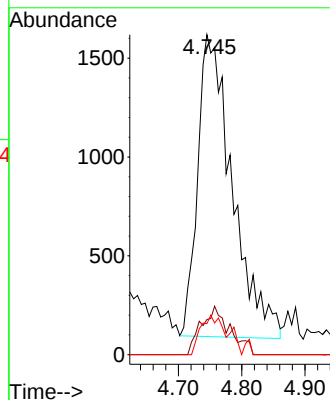
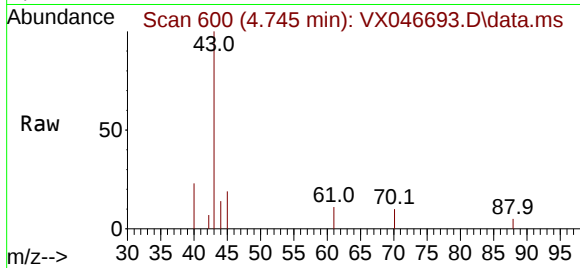




#37
Ethyl Acetate
Concen: 3.338 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.012 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

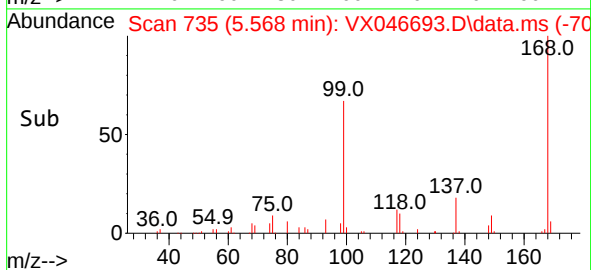
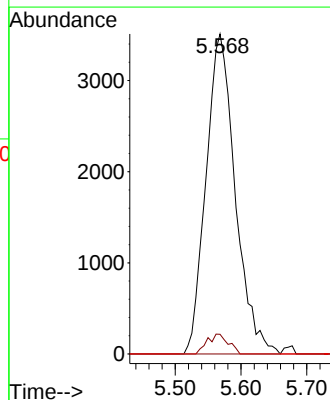
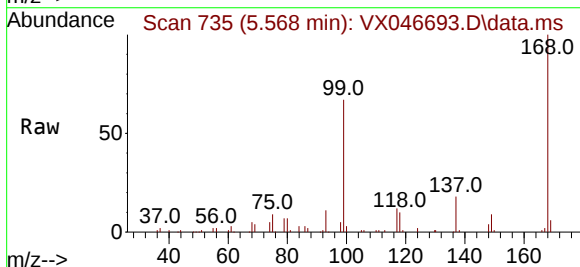
Instrument :
MSVOA_X
ClientSampleId :
WC-3

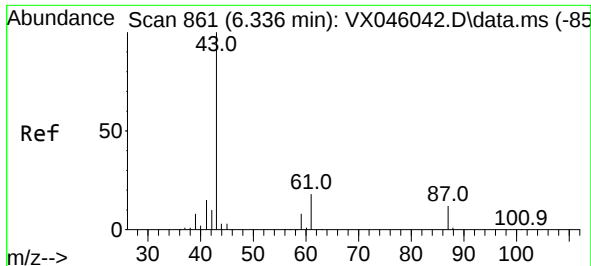
Tgt Ion:	43	Resp:	5802
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	10.0	7.9	11.9



#38
Carbon Tetrachloride
Concen: 5.442 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.128 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion:	117	Resp:	10855
Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.2	112.8#
121	0.0	24.2	36.4#

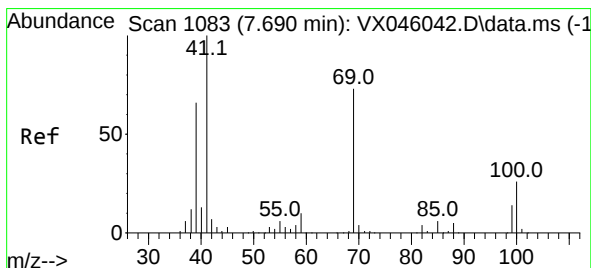
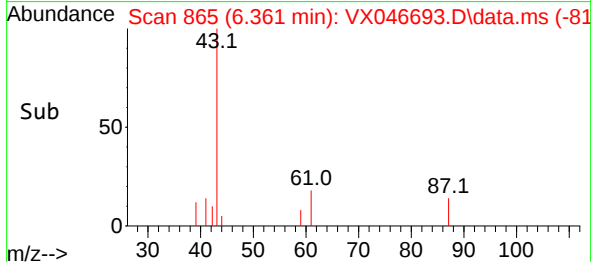
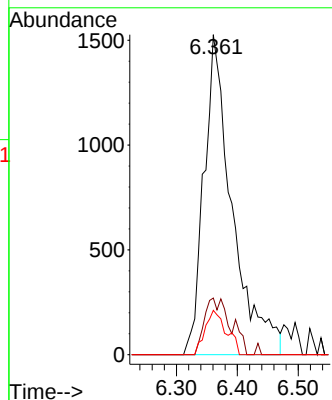
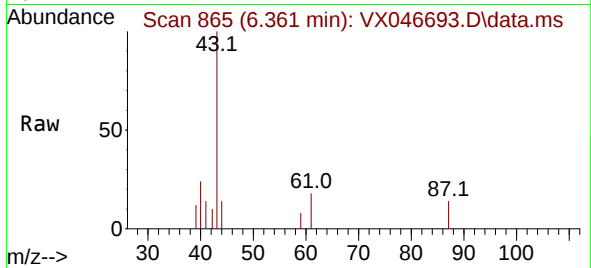




#43
Isopropyl Acetate
Concen: 1.624 ug/l
RT: 6.361 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

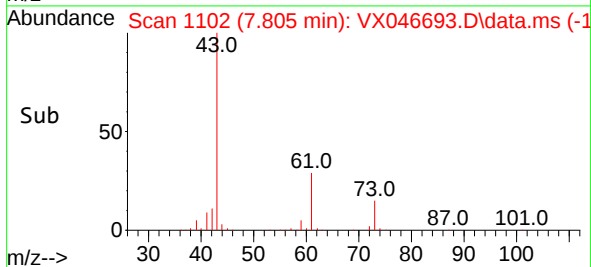
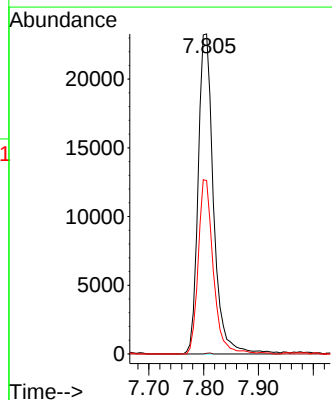
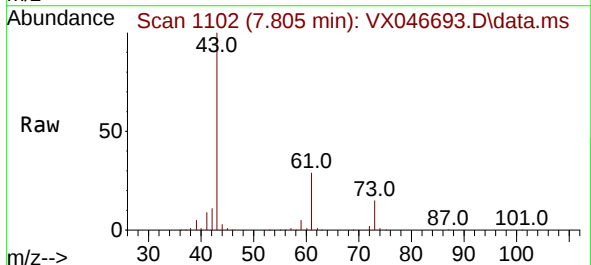
Instrument :
MSVOA_X
ClientSampleId :
WC-3

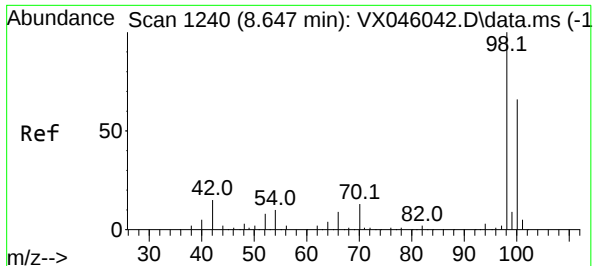
Tgt Ion: 43 Resp: 4920
Ion Ratio Lower Upper
43 100
61 13.7 14.3 21.5#
87 10.3 9.5 14.3



#48
Methyl methacrylate
Concen: 29.202 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion: 41 Resp: 45527
Ion Ratio Lower Upper
41 100
69 0.1 58.5 87.7#
39 53.3 51.7 77.5

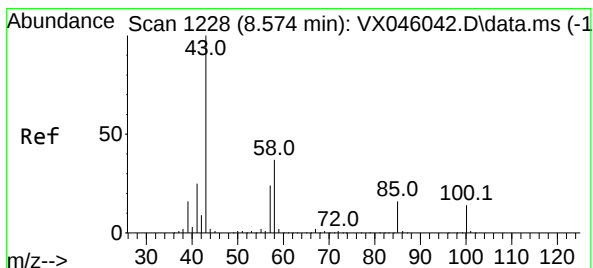
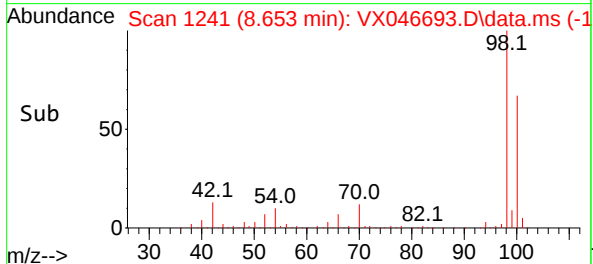
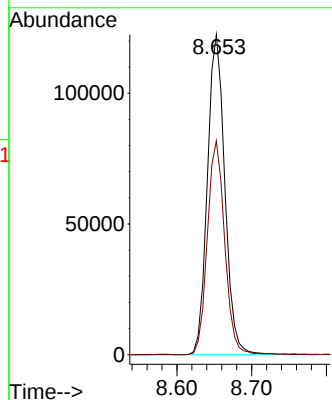
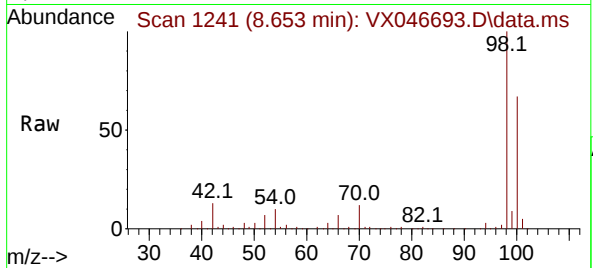




#50
Toluene-d8
Concen: 48.158 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

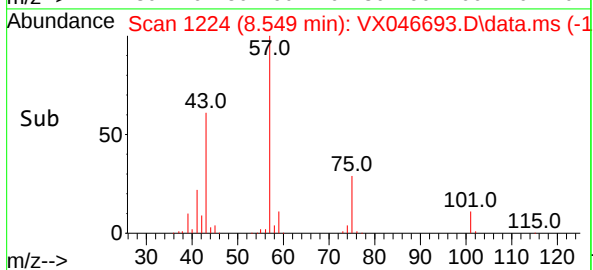
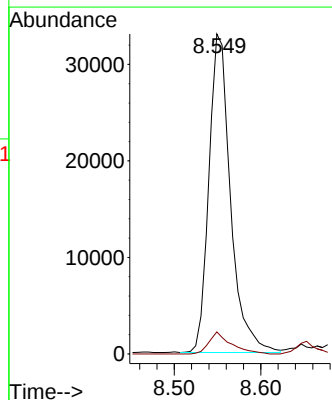
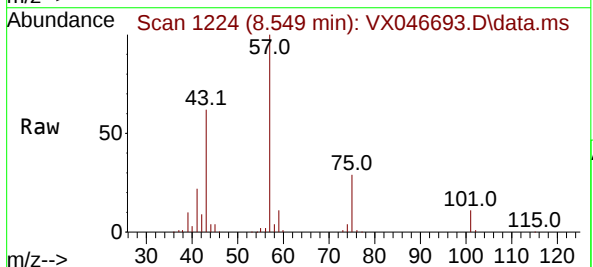
Instrument :
MSVOA_X
ClientSampleId :
WC-3

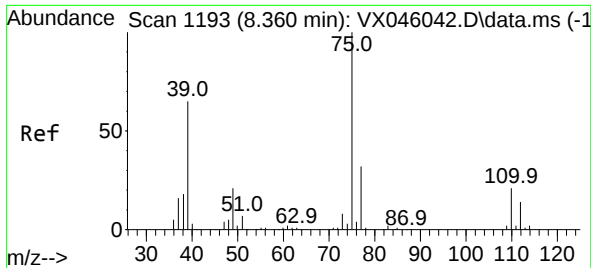
Tgt Ion: 98 Resp: 197948
Ion Ratio Lower Upper
98 100
100 66.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 29.781 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion: 43 Resp: 57345
Ion Ratio Lower Upper
43 100
58 7.1 28.9 43.3#

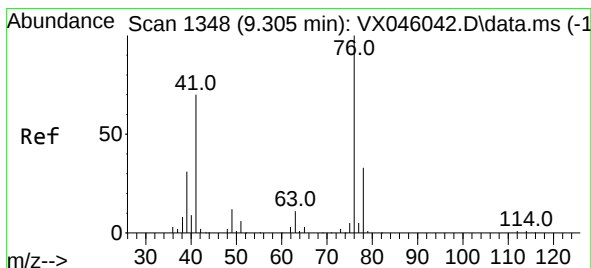
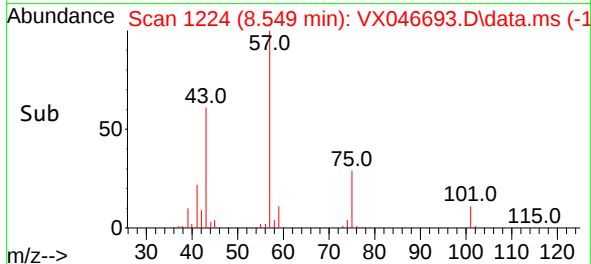
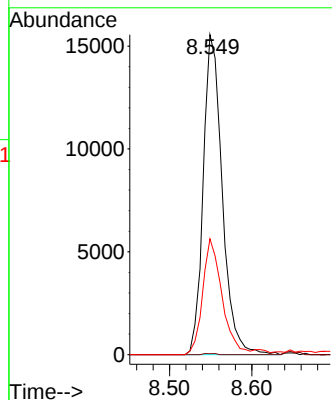
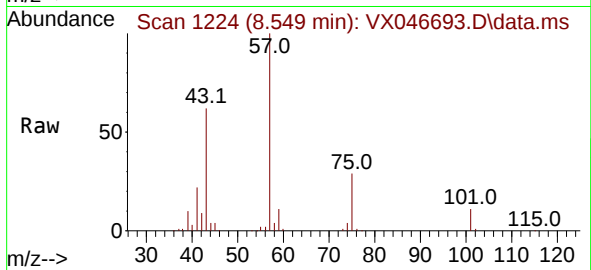




#54
cis-1,3-Dichloropropene
Concen: 12.530 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.177 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

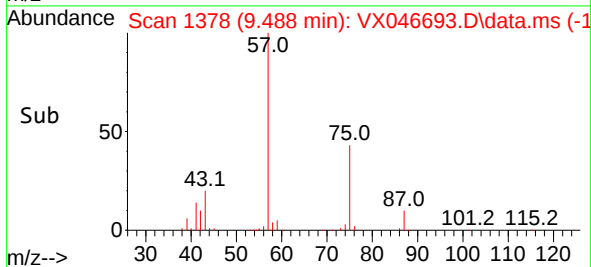
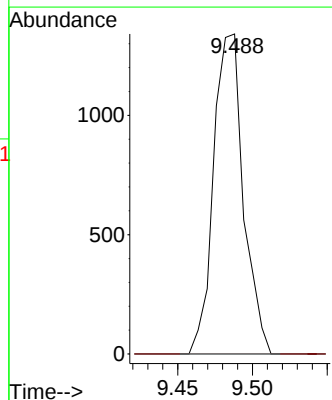
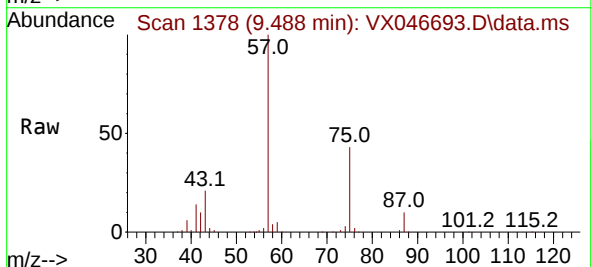
Instrument :
MSVOA_X
ClientSampleId :
WC-3

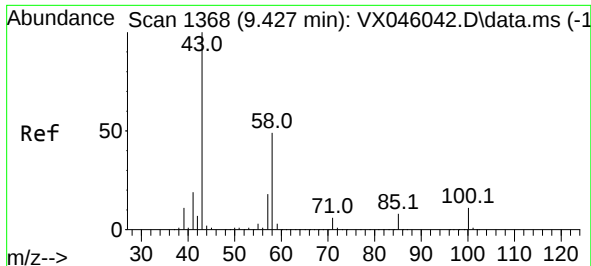
Tgt Ion: 75 Resp: 25004
Ion Ratio Lower Upper
75 100
77 0.3 25.4 38.0#
39 36.2 52.2 78.4#



#57
1,3-Dichloropropane
Concen: 0.852 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion: 76 Resp: 1862
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

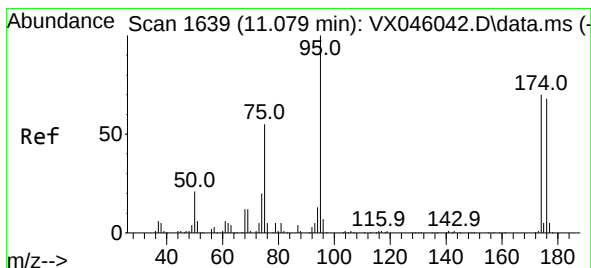
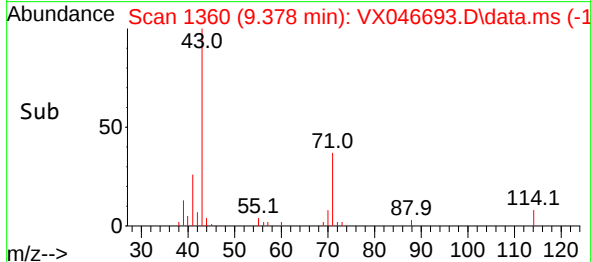
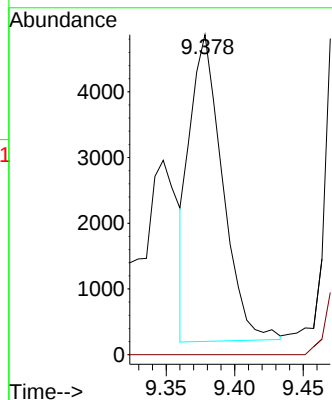
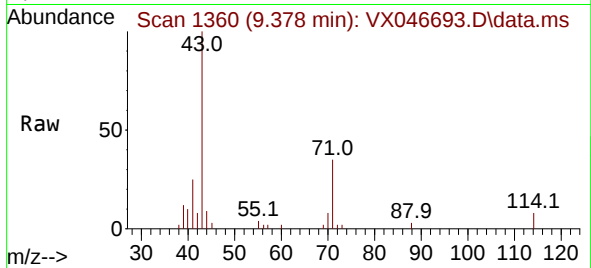




#59
2-Hexanone
Concen: 5.587 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

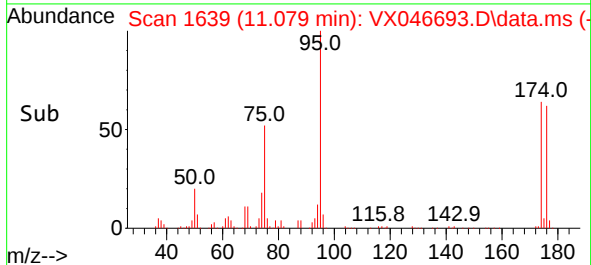
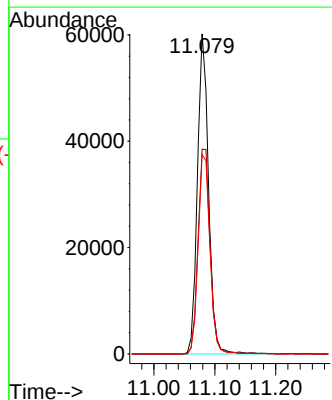
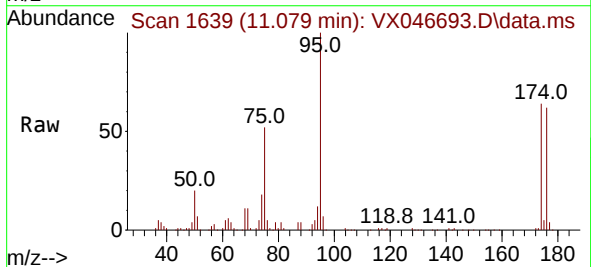
Instrument :
MSVOA_X
ClientSampleId :
WC-3

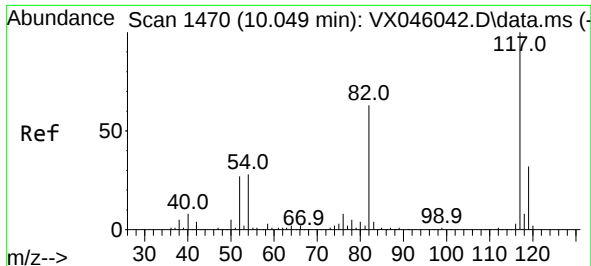
Tgt Ion: 43 Resp: 7715
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 44.738 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion: 95 Resp: 76084
Ion Ratio Lower Upper
95 100
174 69.8 0.0 135.8
176 65.9 0.0 131.4

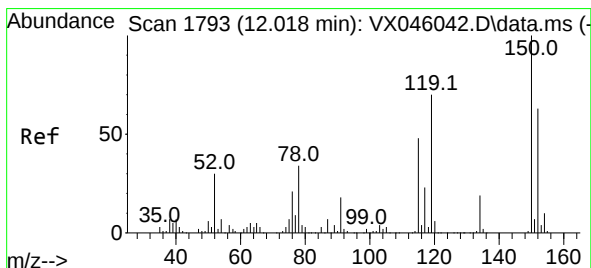
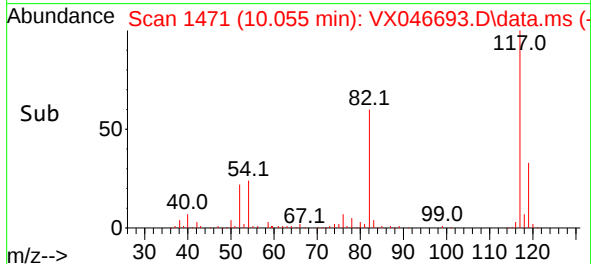
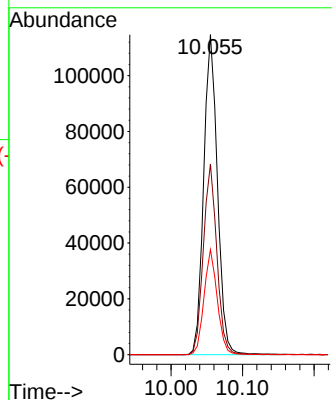
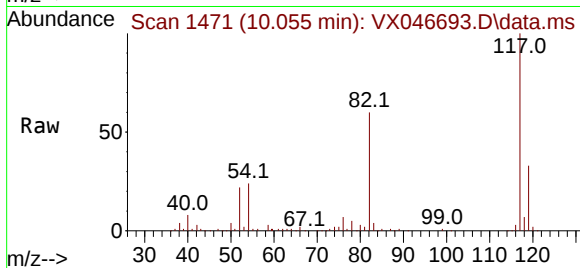




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

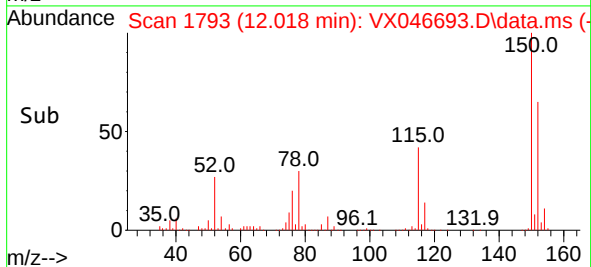
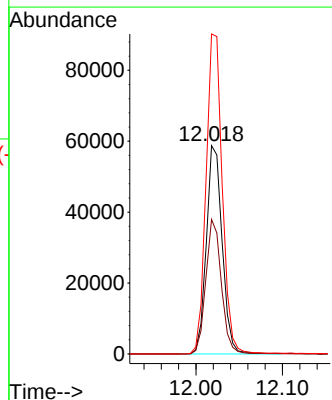
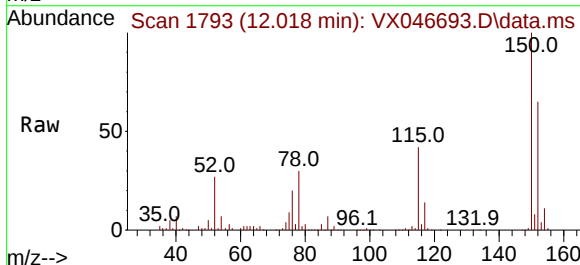
Instrument :
MSVOA_X
ClientSampleId :
WC-3

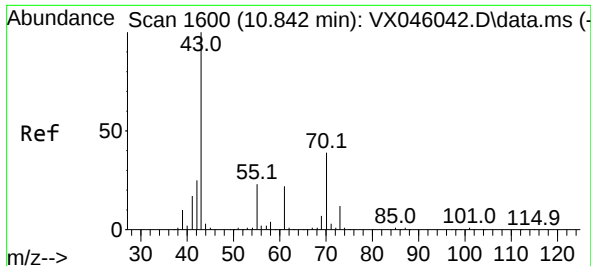
Tgt Ion:117 Resp: 153393
Ion Ratio Lower Upper
117 100
82 59.6 50.6 76.0
119 32.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion:152 Resp: 74759
Ion Ratio Lower Upper
152 100
115 63.4 46.9 140.7
150 157.9 0.0 351.0

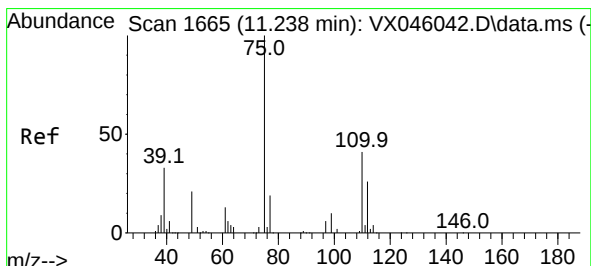
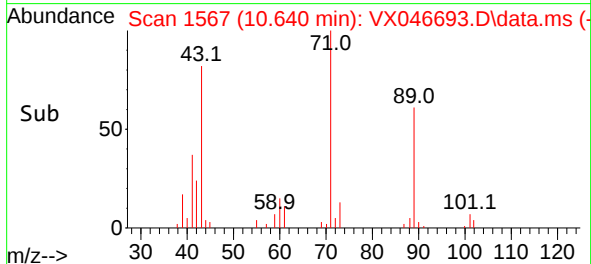
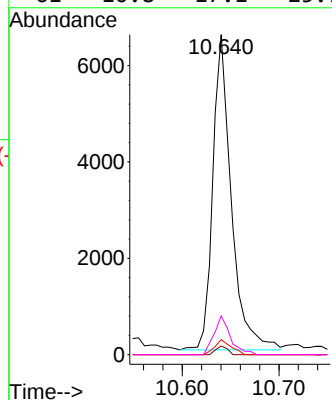
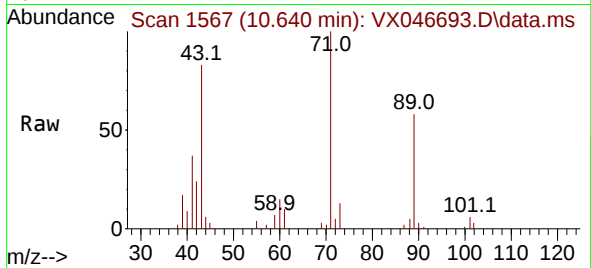




#74
N-amy1 acetate
Concen: 3.371 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

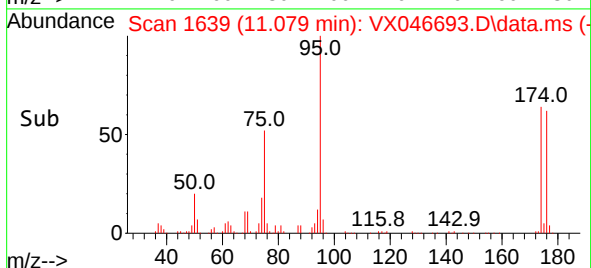
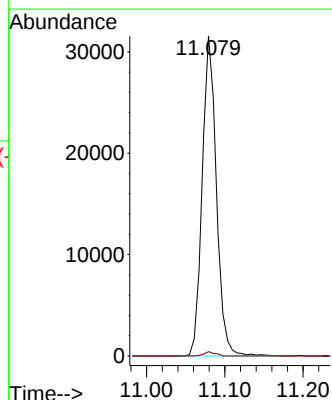
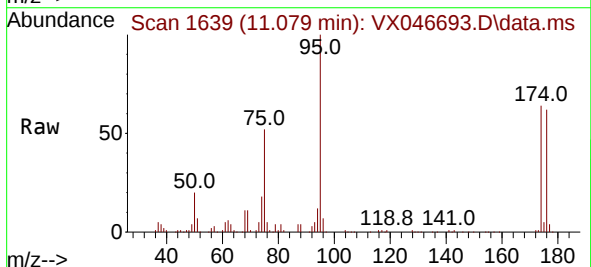
Instrument :
MSVOA_X
ClientSampleId :
WC-3

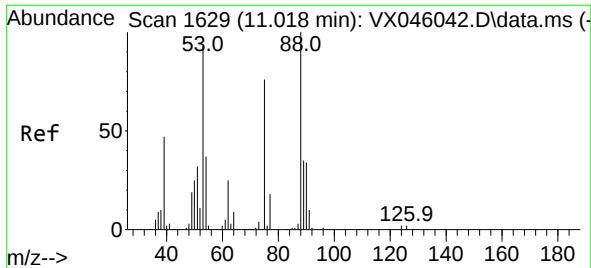
Tgt Ion: 43	Resp: 8724
Ion Ratio	Lower Upper
43 100	
70 1.7	30.9 46.3#
55 4.2	18.7 28.1#
61 10.8	17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 25.069 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046693.D
Acq: 13 Jun 2025 16:41

Tgt Ion: 75	Resp: 39696
Ion Ratio	Lower Upper
75 100	
77 1.1	20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.314 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046693.D
 Acq: 13 Jun 2025 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

Tgt Ion: 75 Resp: 39696
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

