

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050825\
 Data File : VX046093.D
 Acq On : 08 May 2025 16:02
 Operator : JC/MD
 Sample : Q1972-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-B-7

Quant Time: May 09 01:58:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

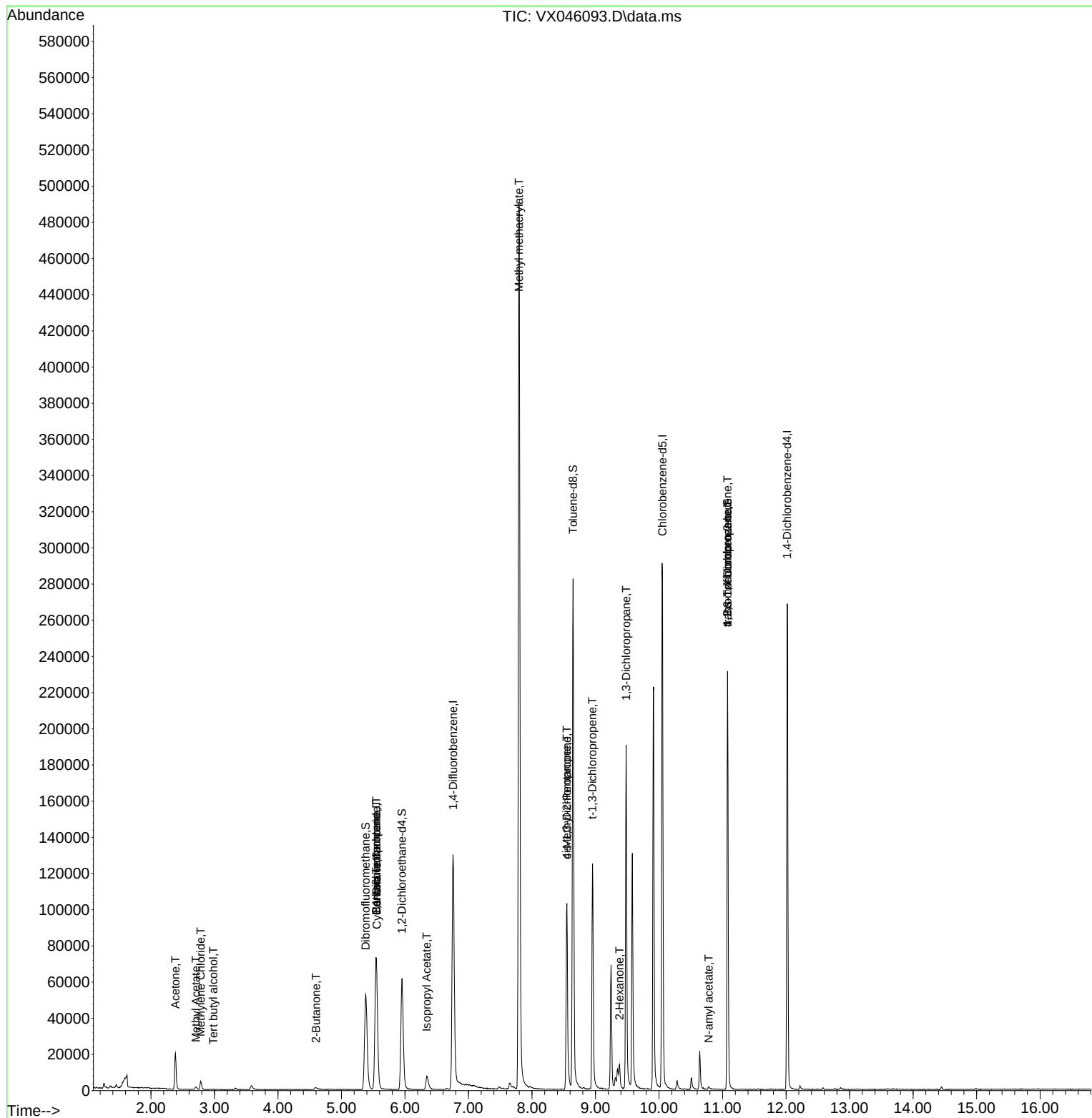
Internal Standards						
1) Pentafluorobenzene	5.550	168	62561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126690	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62401	53.502	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	107.000%	
35) Dibromofluoromethane	5.379	113	45570	49.951	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.900%	
50) Toluene-d8	8.647	98	157544	49.894	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	99.780%	
62) 4-Bromofluorobenzene	11.079	95	60063	49.589	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	99.180%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	146	0.892	ug/l #	72
16) Acetone	2.386	43	22575	48.274	ug/l	99
18) Methyl Acetate	2.709	43	2134	1.966	ug/l	98
20) Methylene Chloride	2.782	84	2116	2.361	ug/l	94
25) 2-Butanone	4.599	43	2623	3.863	ug/l	93
31) Cyclohexane	5.556	56	1756	1.263	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	5959	4.861	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7466	5.421	ug/l #	16
43) Isopropyl Acetate	6.342	43	11504	4.979	ug/l	99
48) Methyl methacrylate	7.793	41	49990	42.367	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	41085	26.790	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	268	0.217	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15860	11.641	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	1539	0.987	ug/l #	42
59) 2-Hexanone	9.378	43	12938	11.403	ug/l #	28
74) N-amyl acetate	10.781	43	1180	0.613	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	34543	28.679	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34543	93.368	ug/l #	1

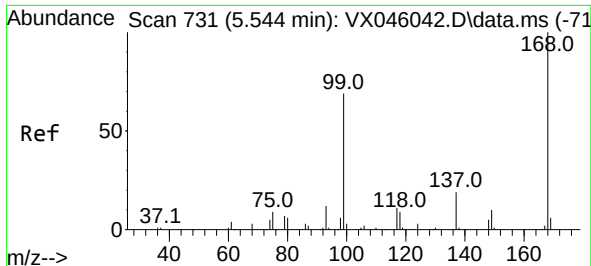
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

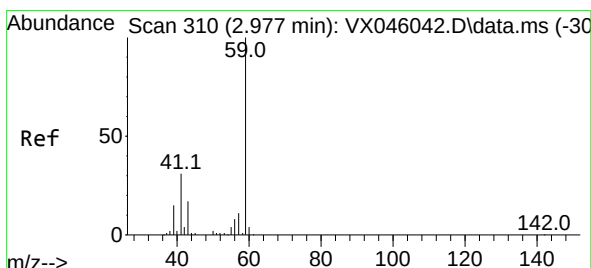
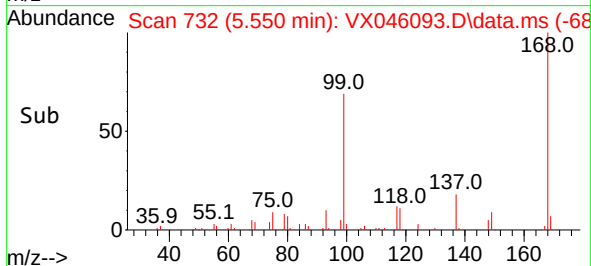
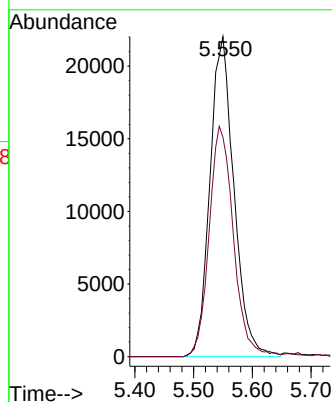
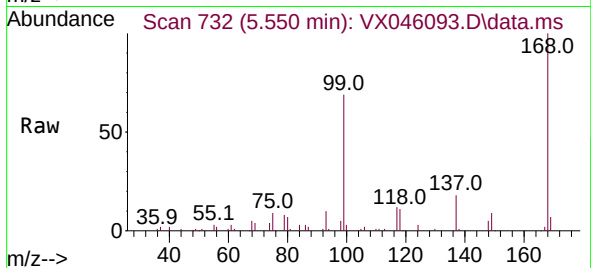




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

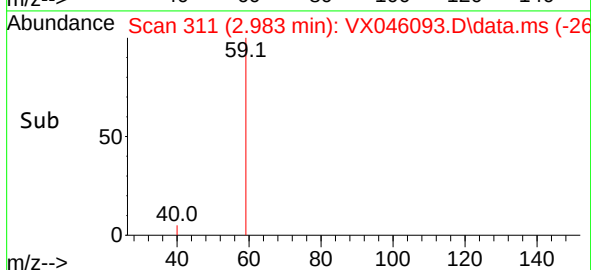
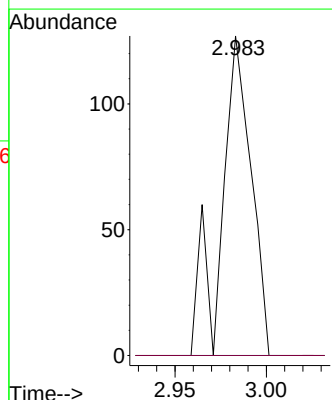
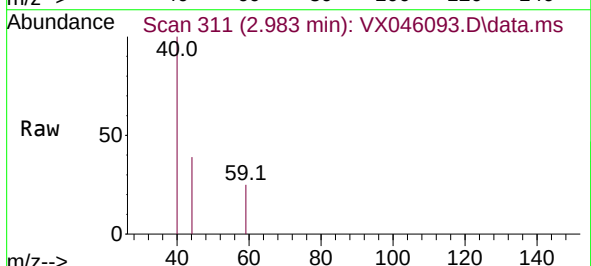
Instrument :
MSVOA_X
ClientSampleId :
WC-B-7

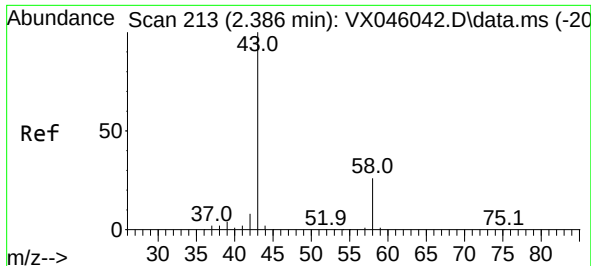
Tgt Ion:168 Resp: 62561
Ion Ratio Lower Upper
168 100
99 68.6 54.9 82.3



#11
Tert butyl alcohol
Concen: 0.892 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

Tgt Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

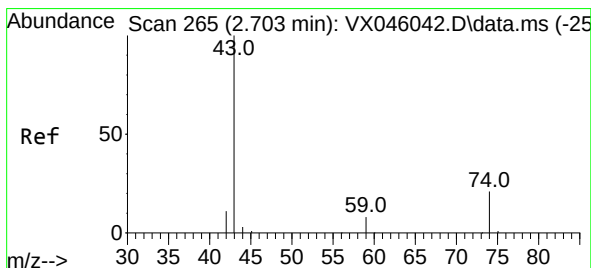
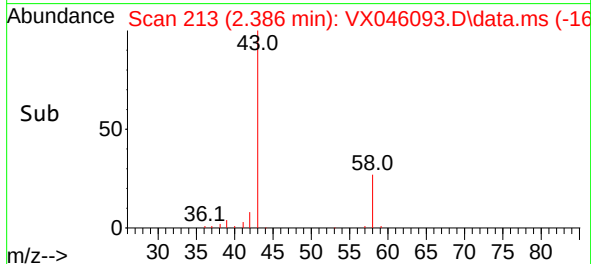
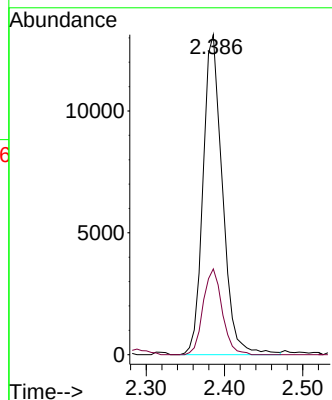
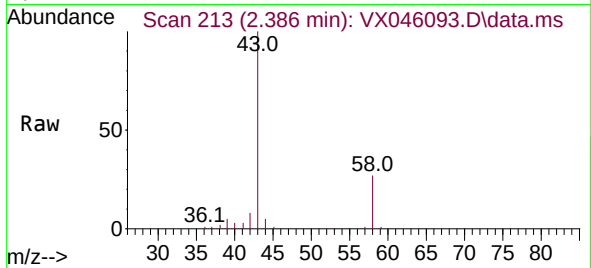




#16
Acetone
Concen: 48.274 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

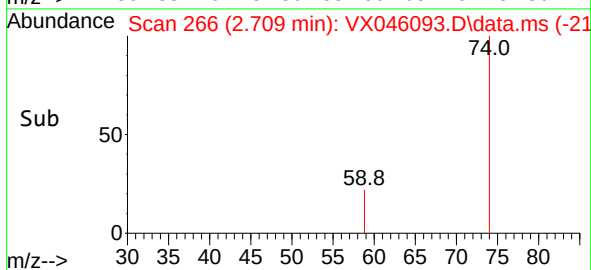
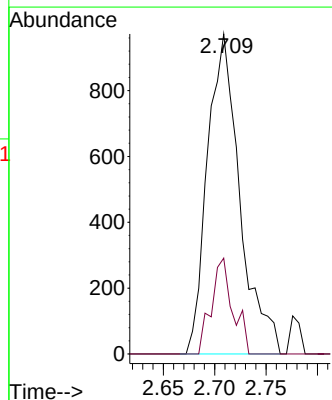
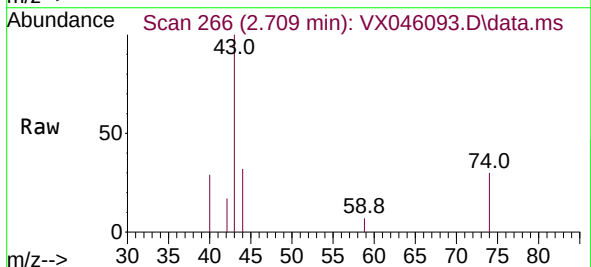
Instrument :
MSVOA_X
ClientSampleId :
WC-B-7

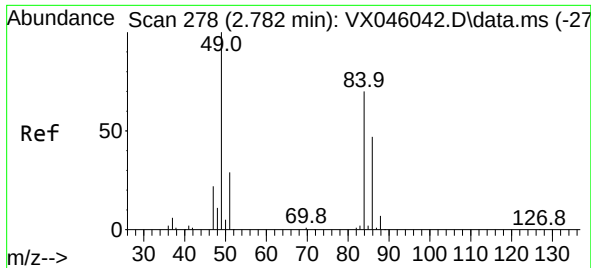
Tgt Ion: 43 Resp: 22575
Ion Ratio Lower Upper
43 100
58 26.8 21.2 31.8



#18
Methyl Acetate
Concen: 1.966 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

Tgt Ion: 43 Resp: 2134
Ion Ratio Lower Upper
43 100
74 19.8 16.7 25.1

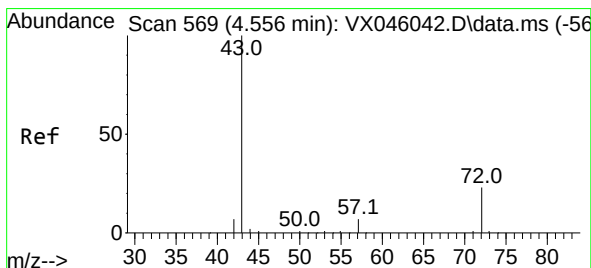
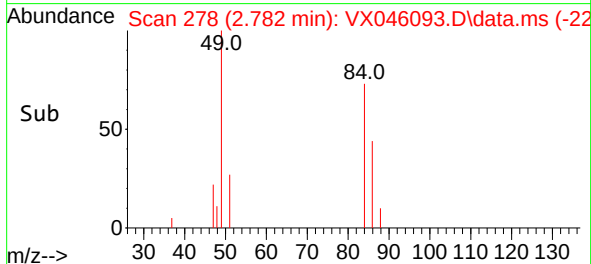
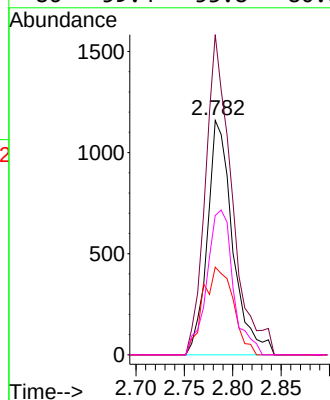
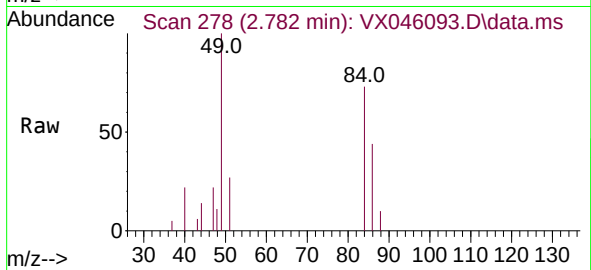




#20
Methylene Chloride
Concen: 2.361 ug/l
RT: 2.782 min Scan# 2116
Delta R.T. -0.000 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

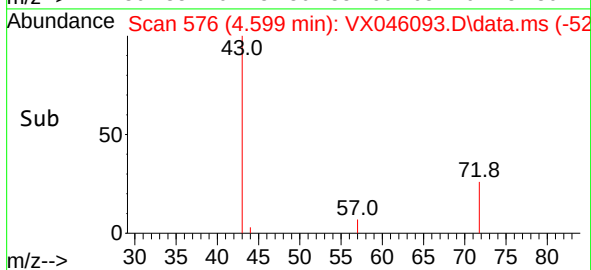
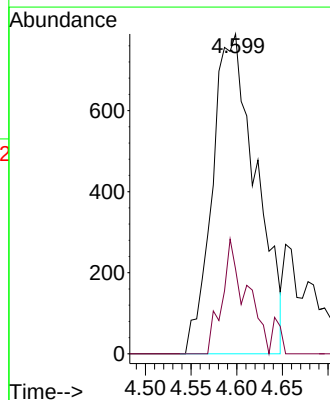
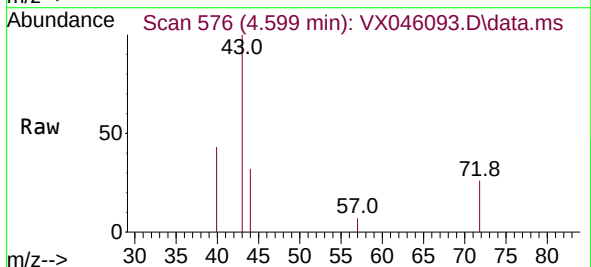
Instrument :
MSVOA_X
ClientSampleId :
WC-B-7

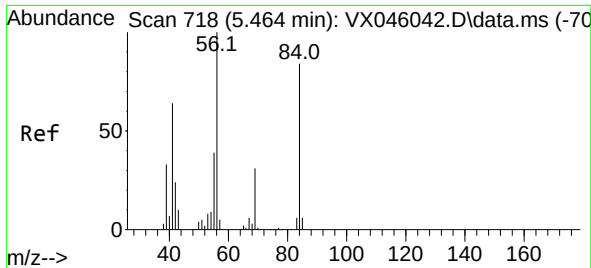
Tgt Ion:	84	Resp:	2116
Ion	Ratio	Lower	Upper
84	100		
49	136.6	113.9	170.9
51	37.4	33.5	50.3
86	59.4	53.8	80.8



#25
2-Butanone
Concen: 3.863 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

Tgt Ion:	43	Resp:	2623
Ion	Ratio	Lower	Upper
43	100		
72	26.5	18.4	27.6

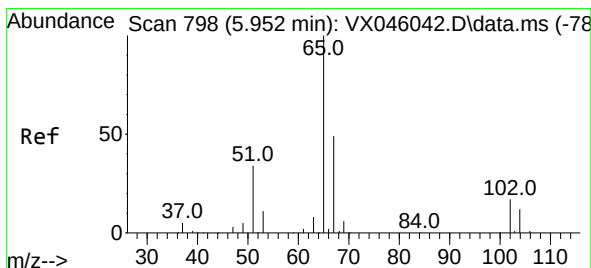
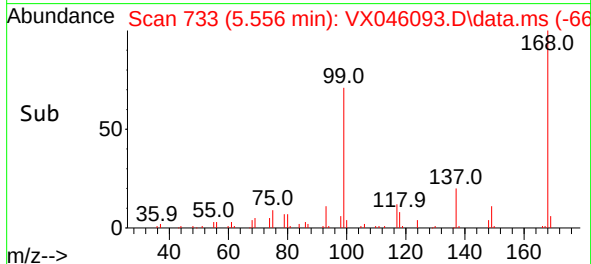
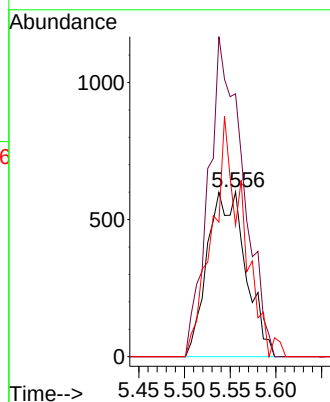
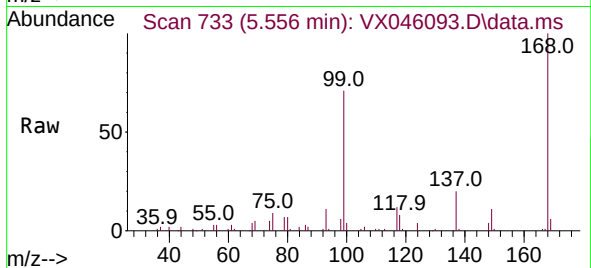




#31
Cyclohexane
Concen: 1.263 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

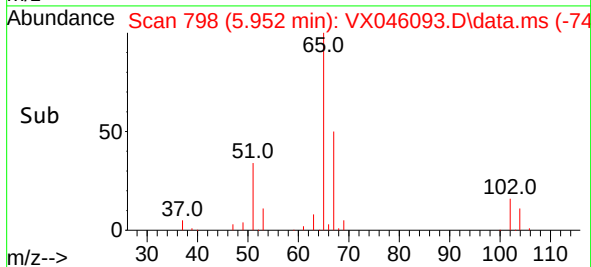
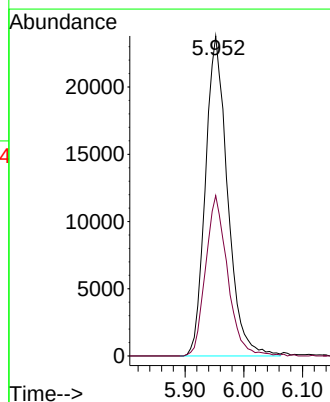
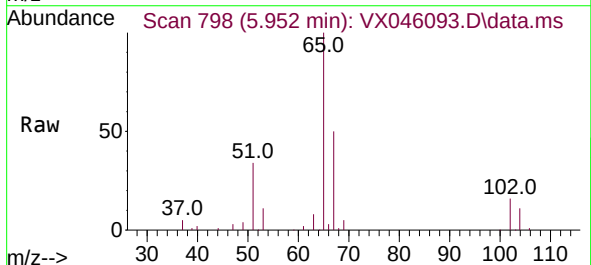
Instrument :
MSVOA_X
ClientSampleId :
WC-B-7

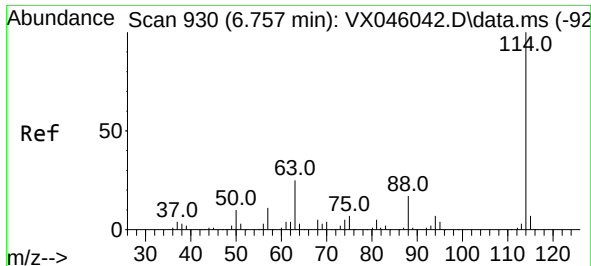
Tgt Ion: 56 Resp: 1756
Ion Ratio Lower Upper
56 100
69 159.6 24.4 36.6#
84 79.9 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 53.502 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

Tgt Ion: 65 Resp: 62401
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.0

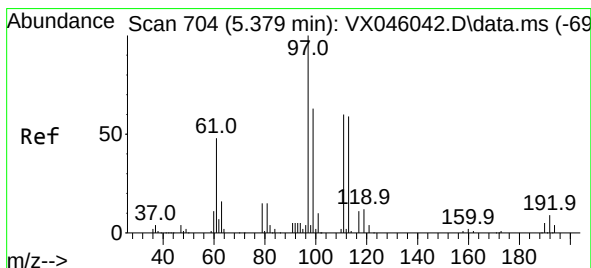
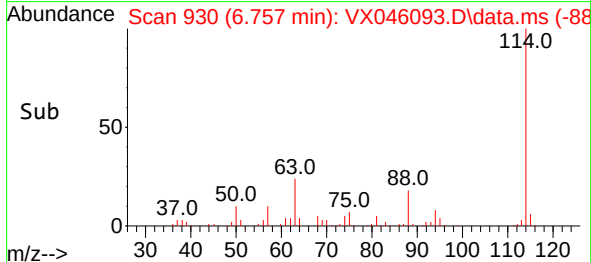
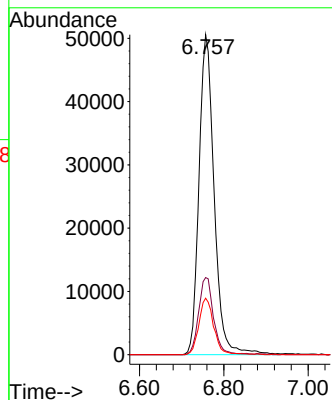
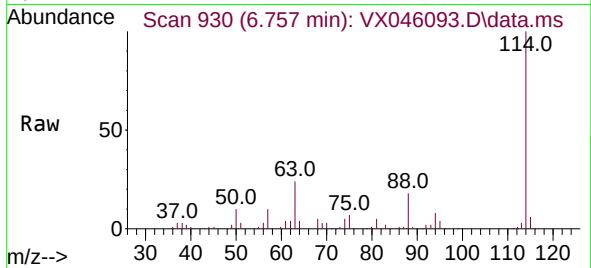




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX046093.D
 Acq: 08 May 2025 16:02

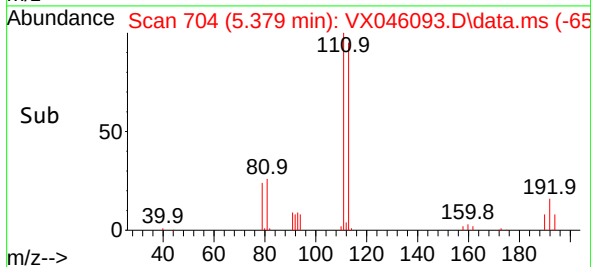
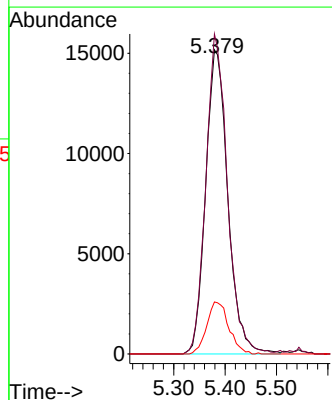
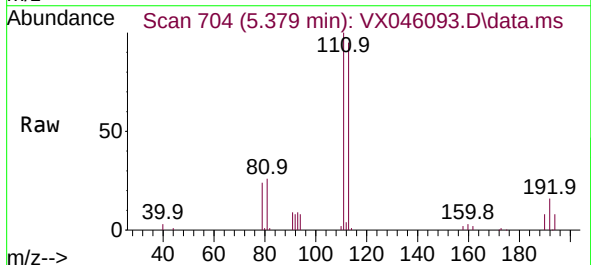
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 MSVOA_X
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 WC-B-7

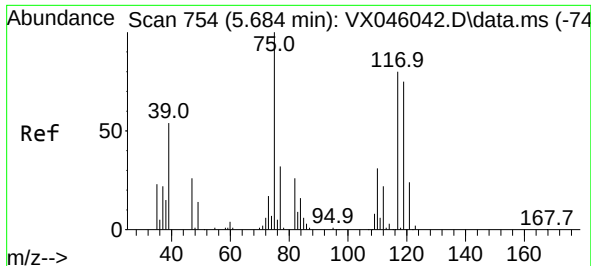
Tgt Ion:114 Resp: 126690
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 17.6 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 49.951 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. -0.000 min
 Lab File: VX046093.D
 Acq: 08 May 2025 16:02

Tgt Ion:113 Resp: 45570
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.1 124.7
 192 16.9 13.3 19.9

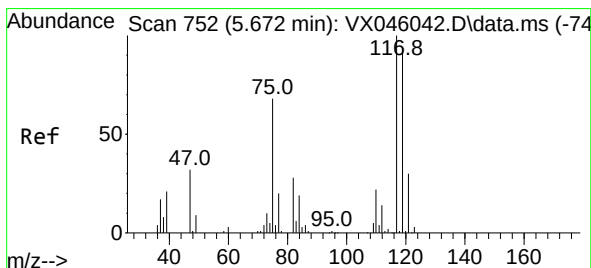
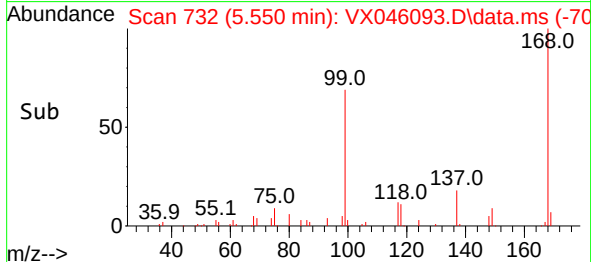
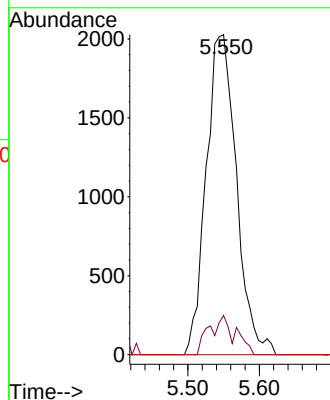
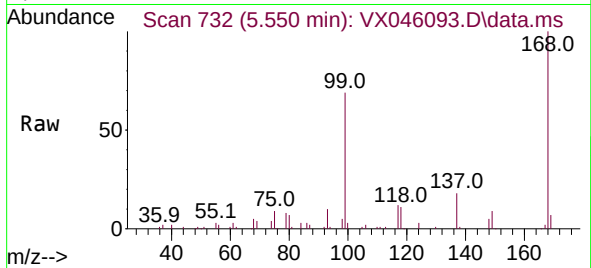




#36
1,1-Dichloropropene
Concen: 4.861 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

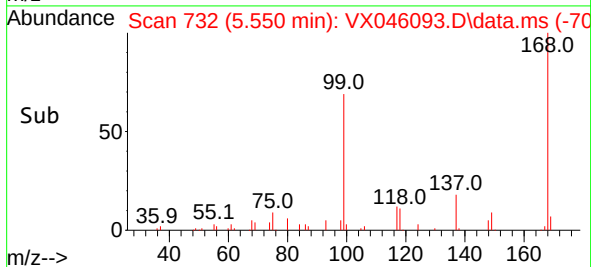
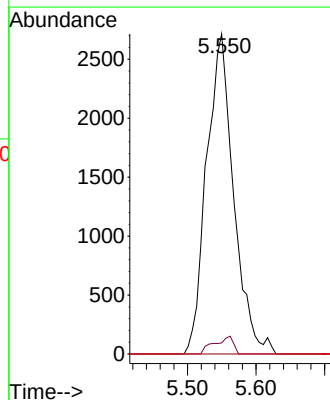
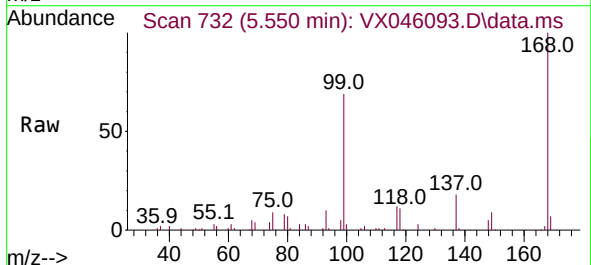
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WC-B-7

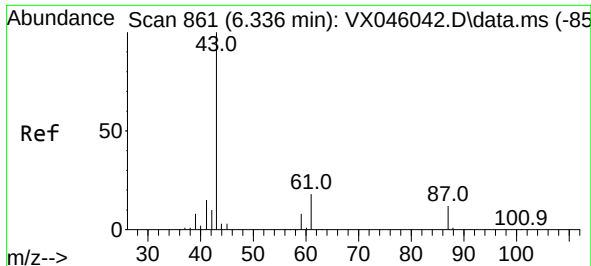
Tgt Ion: 75 Resp: 5959
Ion Ratio Lower Upper
75 100
110 7.9 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.421 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

Tgt Ion: 117 Resp: 7466
Ion Ratio Lower Upper
117 100
119 3.5 75.2 112.8#
121 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 4.979 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.006 min

Lab File: VX046093.D

Acq: 08 May 2025 16:02

Instrument :

MSVOA_X

ClientSampleId :

WC-B-7

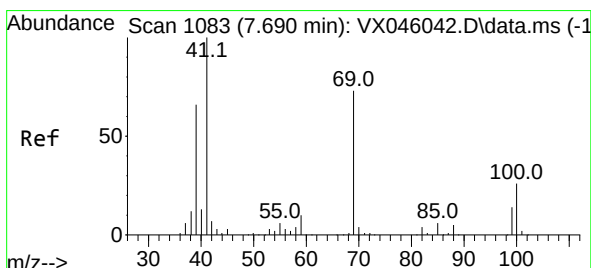
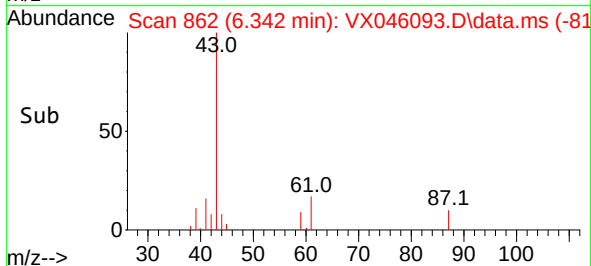
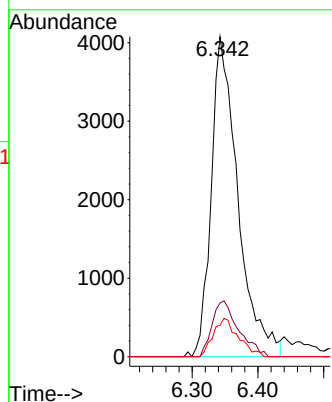
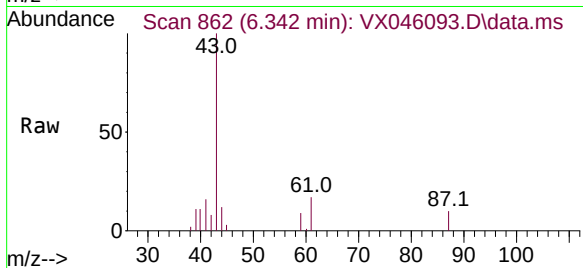
Tgt Ion: 43 Resp: 11504

Ion Ratio Lower Upper

43 100

61 17.3 14.3 21.5

87 11.3 9.5 14.3



#48

Methyl methacrylate

Concen: 42.367 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX046093.D

Acq: 08 May 2025 16:02

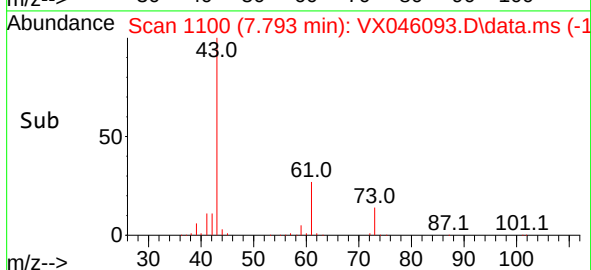
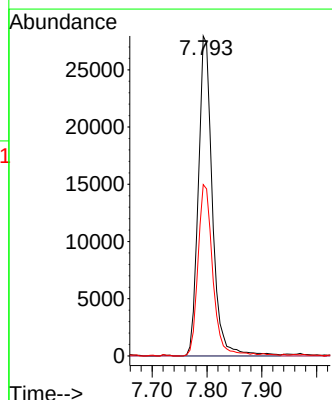
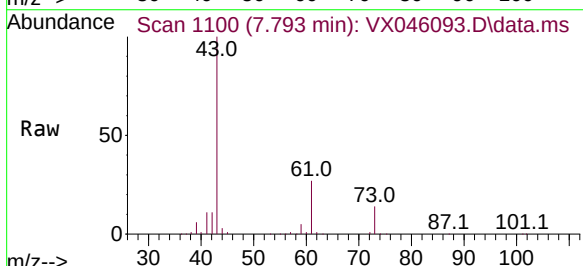
Tgt Ion: 41 Resp: 49990

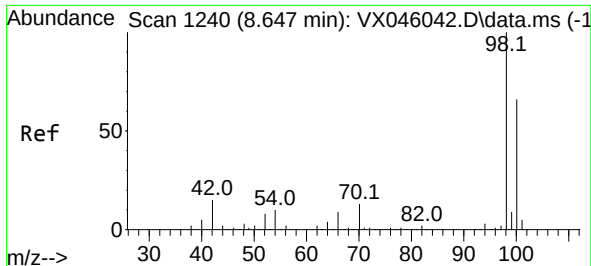
Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 56.3 51.7 77.5

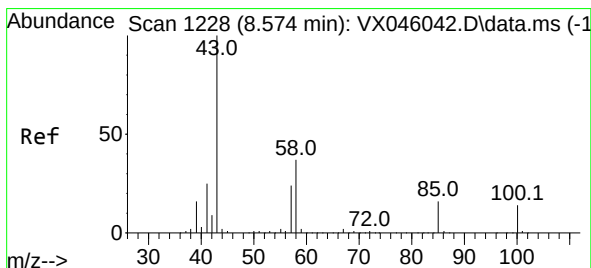
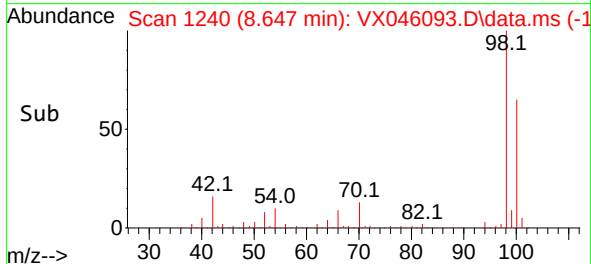
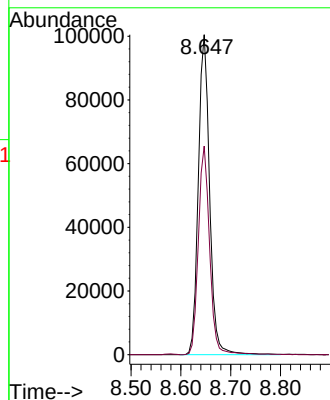
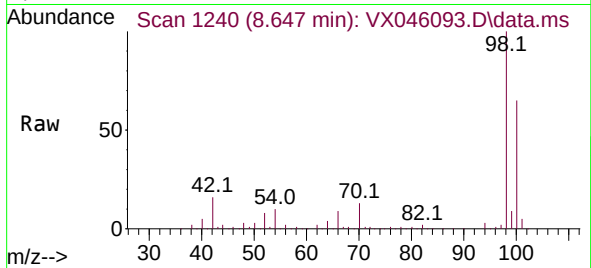




#50
Toluene-d8
Concen: 49.894 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

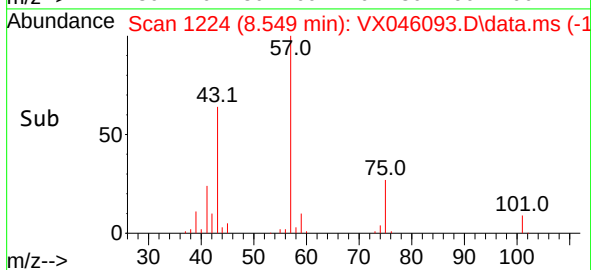
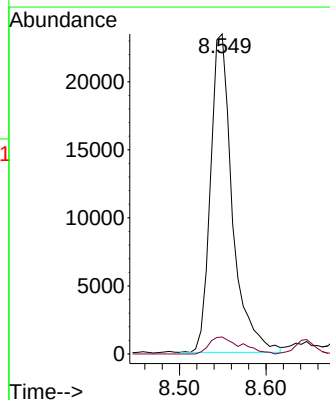
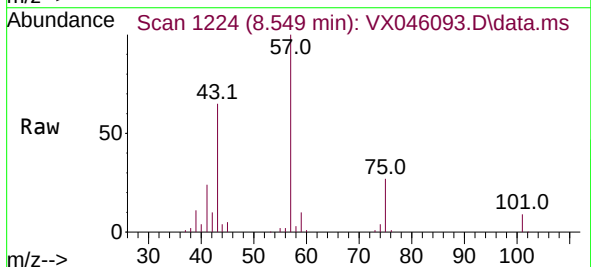
Instrument :
MSVOA_X
ClientSampleId :
WC-B-7

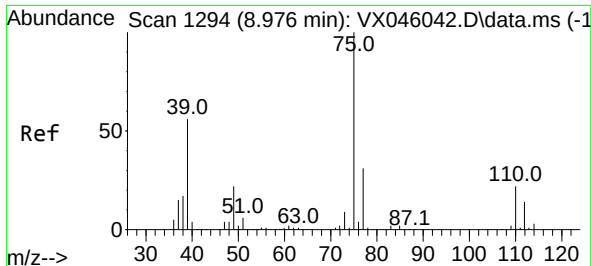
Tgt Ion: 98 Resp: 157544
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 26.790 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

Tgt Ion: 43 Resp: 41085
Ion Ratio Lower Upper
43 100
58 7.7 28.9 43.3#





#53

t-1,3-Dichloropropene

Concen: 0.217 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX046093.D

Acq: 08 May 2025 16:02

Instrument :

MSVOA_X

ClientSampleId :

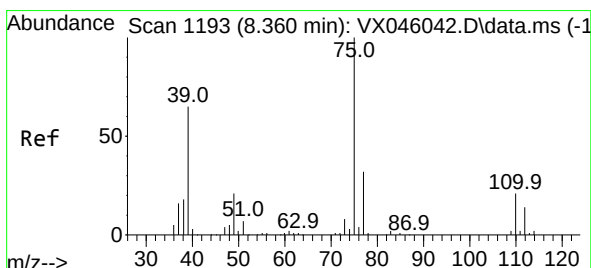
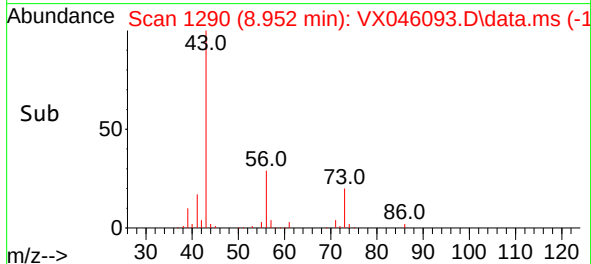
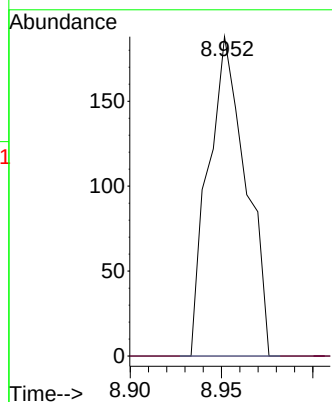
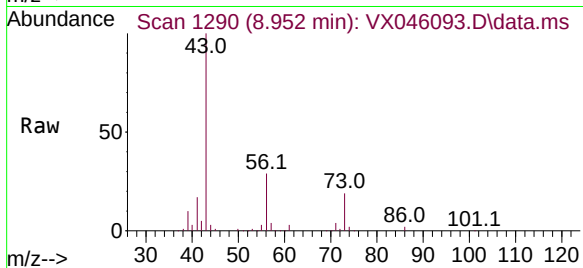
WC-B-7

Tgt Ion: 75 Resp: 268

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#



#54

cis-1,3-Dichloropropene

Concen: 11.641 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.189 min

Lab File: VX046093.D

Acq: 08 May 2025 16:02

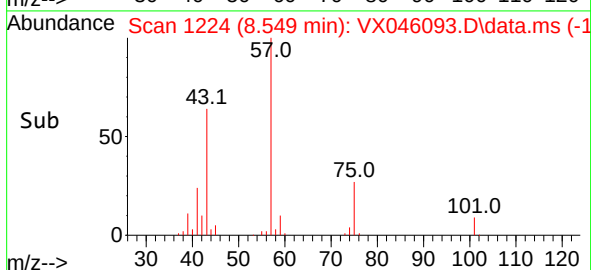
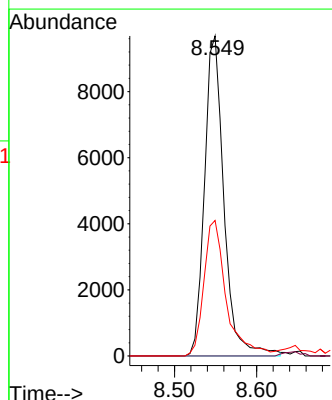
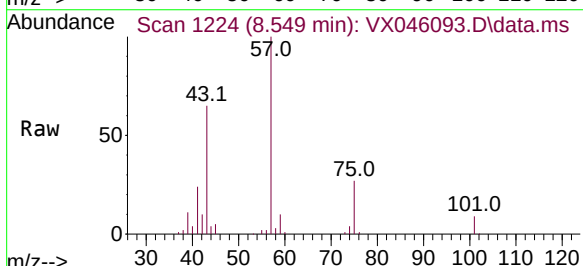
Tgt Ion: 75 Resp: 15860

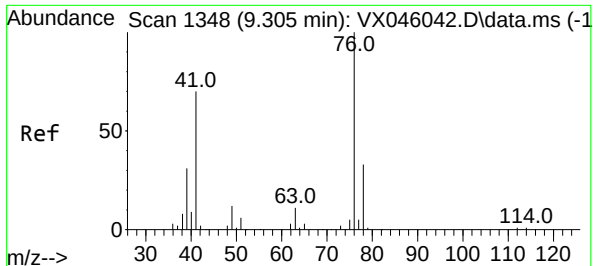
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 42.4 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.987 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX046093.D

Acq: 08 May 2025 16:02

Instrument :

MSVOA_X

ClientSampleId :

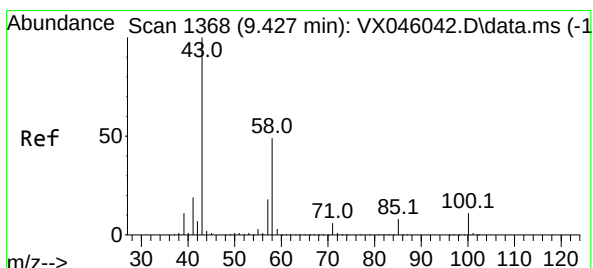
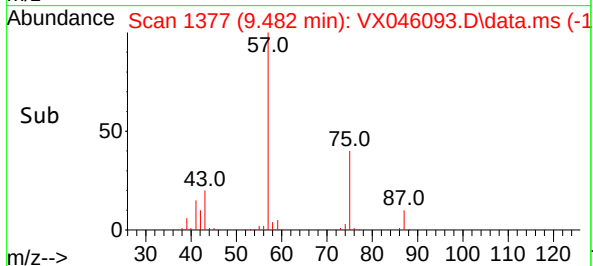
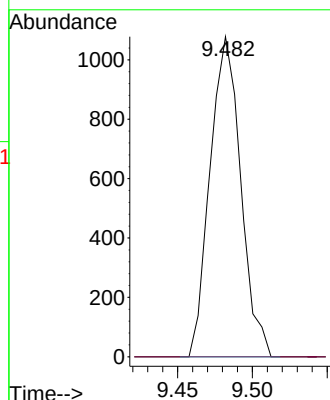
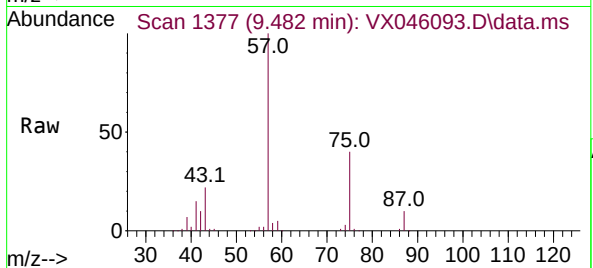
WC-B-7

Tgt Ion: 76 Resp: 1539

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 11.403 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046093.D

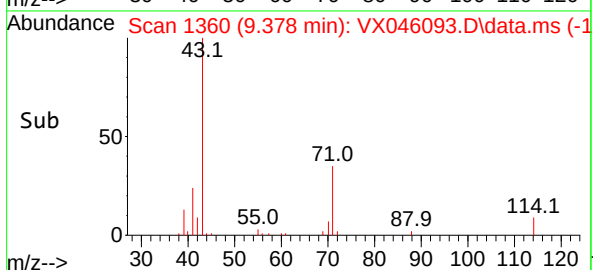
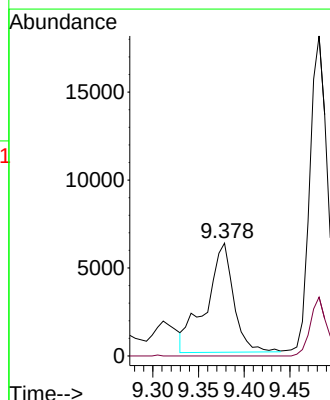
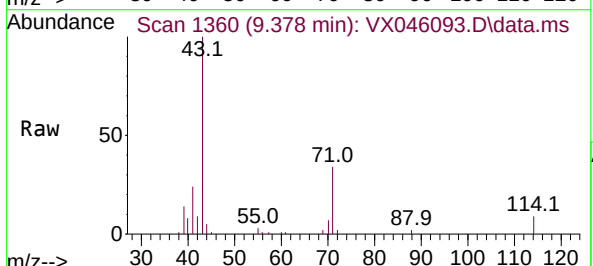
Acq: 08 May 2025 16:02

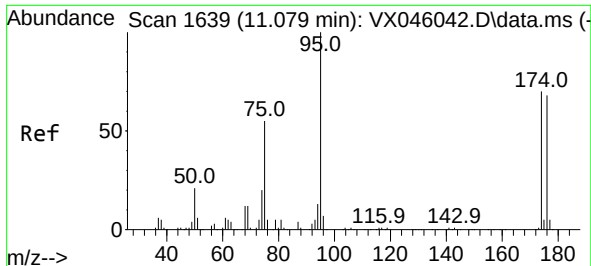
Tgt Ion: 43 Resp: 12938

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

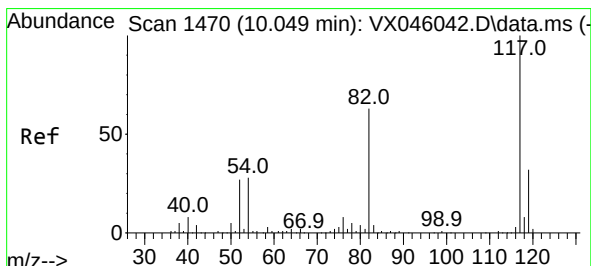
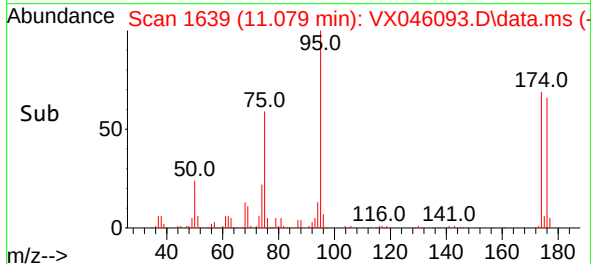
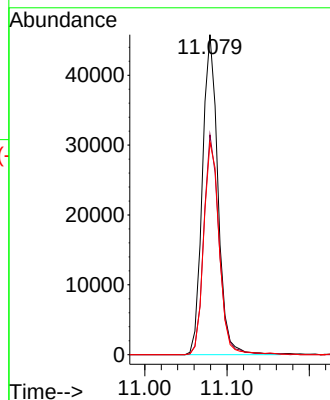
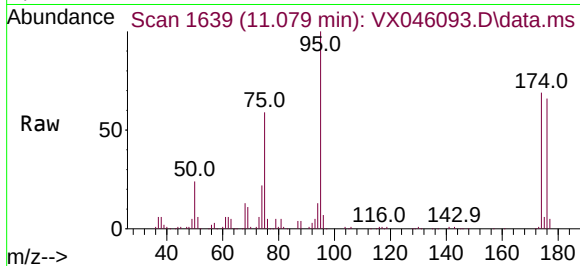




#62
4-Bromofluorobenzene
Concen: 49.589 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

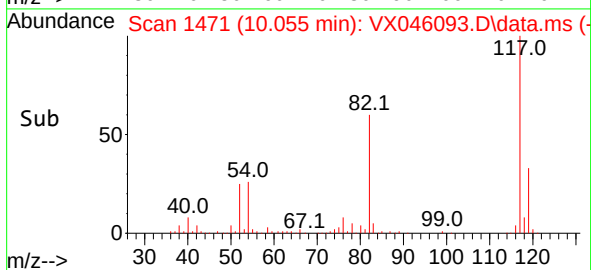
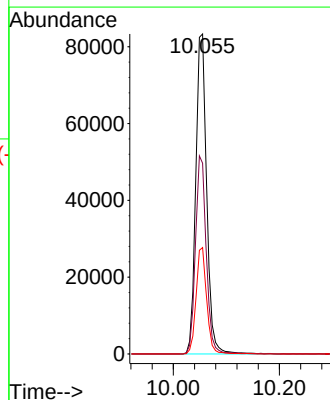
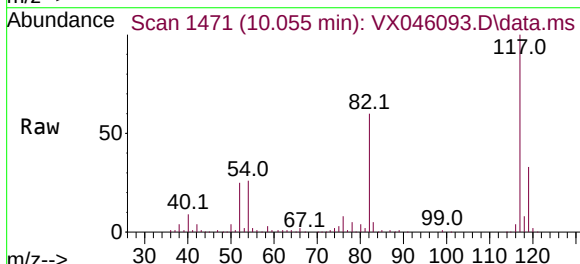
Instrument :
MSVOA_X
ClientSampleId :
WC-B-7

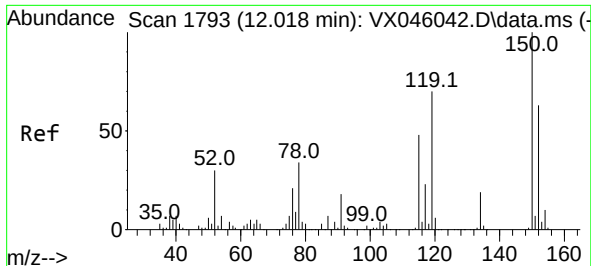
Tgt Ion: 95 Resp: 60063
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.8
176 66.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

Tgt Ion: 117 Resp: 118927
Ion Ratio Lower Upper
117 100
82 59.6 50.6 76.0
119 33.2 25.8 38.6

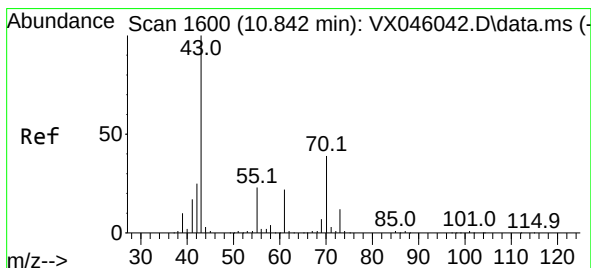
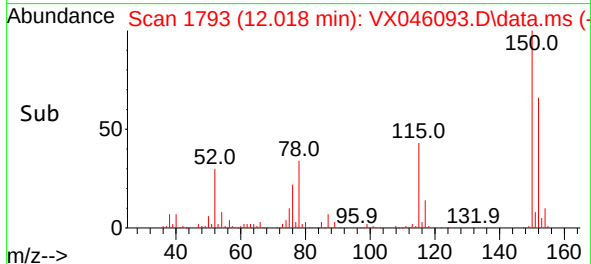
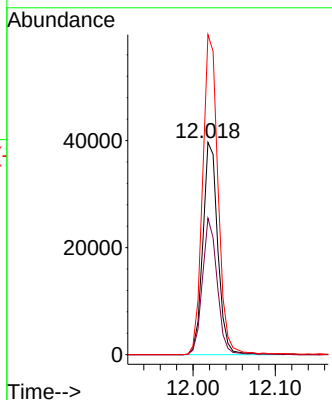
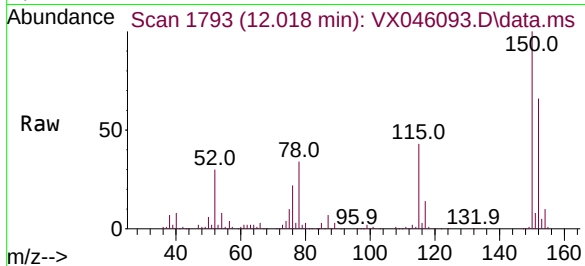




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

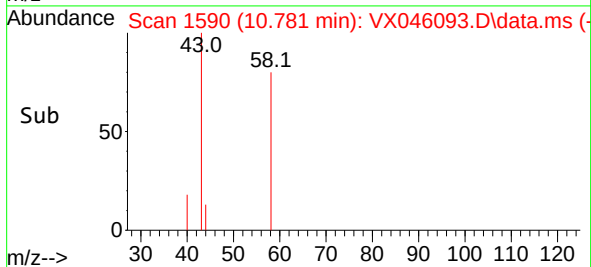
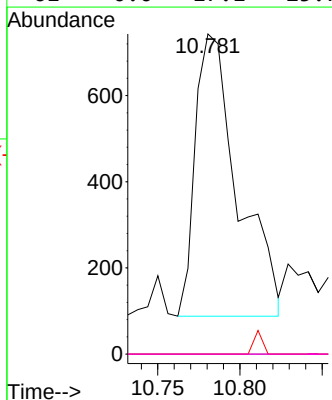
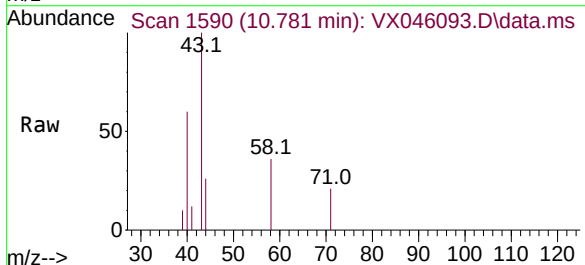
Instrument :
MSVOA_X
ClientSampleId :
WC-B-7

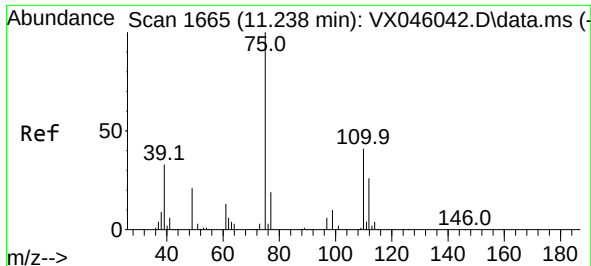
Tgt Ion:152 Resp: 50040
Ion Ratio Lower Upper
152 100
115 63.7 46.9 140.7
150 155.4 0.0 351.0



#74
N-ethyl acetate
Concen: 0.613 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 0.0 18.7 28.1#
61 0.0 17.1 25.7#

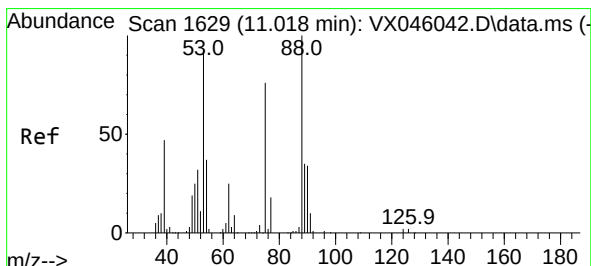
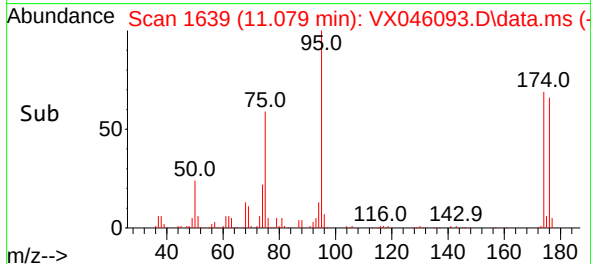
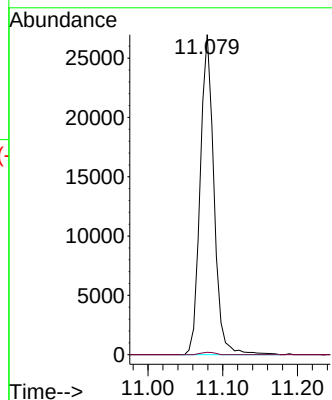
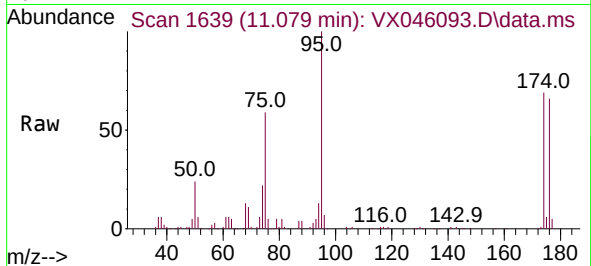




#76
1,2,3-Trichloropropane
Concen: 28.679 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :
WC-B-7

Tgt Ion: 75 Resp: 34543
Ion Ratio Lower Upper
75 100
77 0.8 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046093.D
Acq: 08 May 2025 16:02

Tgt Ion: 75 Resp: 34543
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

