

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX046006.D
 Acq On : 30 Apr 2025 18:24
 Operator : JC/MD
 Sample : Q1913-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-12-S-202504

Quant Time: May 01 03:39:17 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)

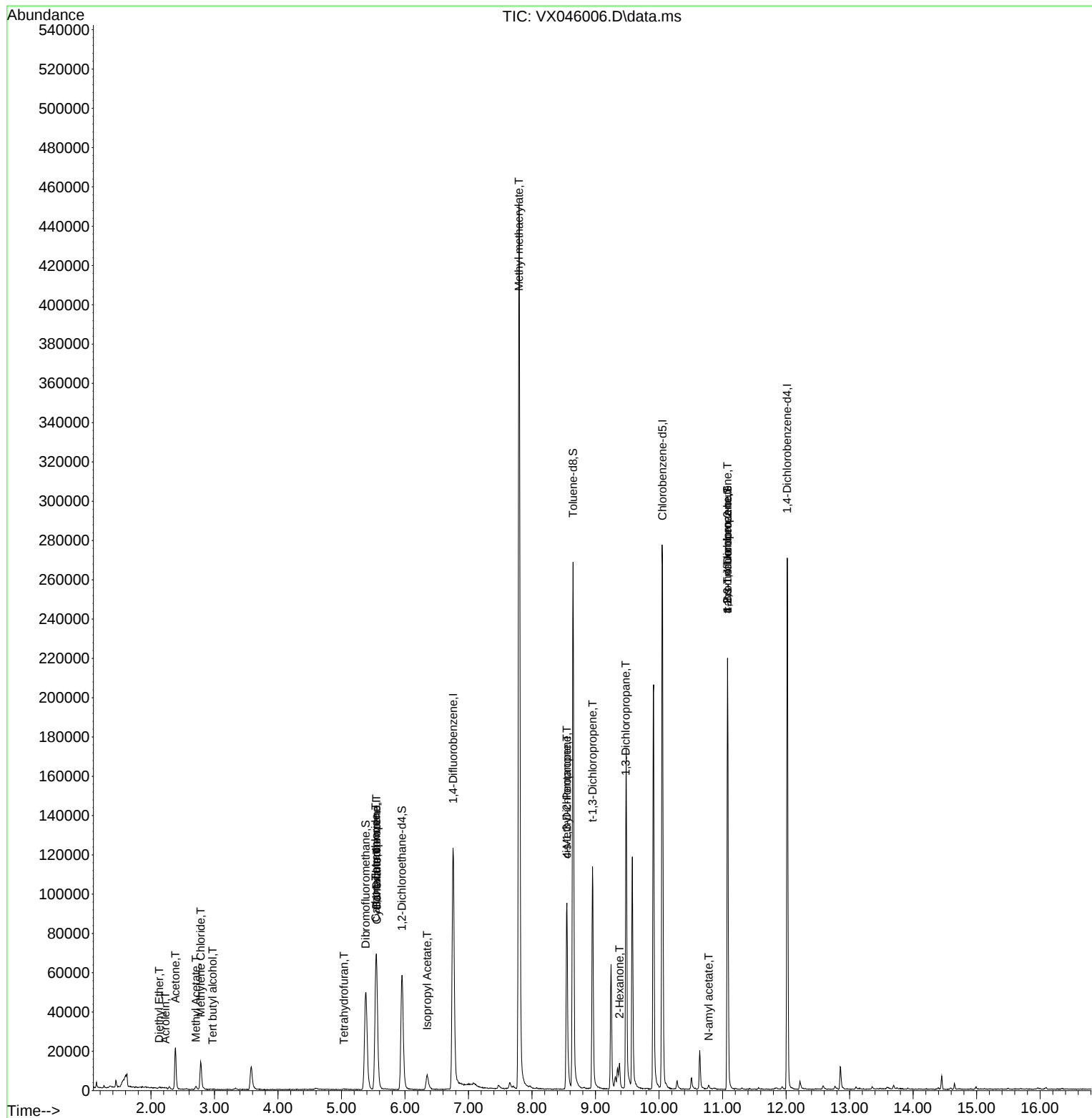
Internal Standards						
1) Pentafluorobenzene	5.550	168	59864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119812	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60071	54.872	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.740%	
35) Dibromofluoromethane	5.379	113	43801	51.527	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.060%	
50) Toluene-d8	8.647	98	151337	51.006	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.020%	
62) 4-Bromofluorobenzene	11.079	95	58019	53.684	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.360%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.130	74	184	0.437	ug/l	60
11) Tert butyl alcohol	2.971	59	267	1.815	ug/l #	72
13) Acrolein	2.227	56	64	0.316	ug/l #	15
16) Acetone	2.386	43	23217	51.646	ug/l	93
18) Methyl Acetate	2.709	43	2205	2.130	ug/l	92
20) Methylene Chloride	2.782	84	6532	7.761	ug/l	91
29) Tetrahydrofuran	5.038	42	170	0.398	ug/l #	35
31) Cyclohexane	5.556	56	1727	1.286	ug/l #	46
36) 1,1-Dichloropropene	5.550	75	5791	5.045	ug/l #	50
38) Carbon Tetrachloride	5.537	117	6841	5.515	ug/l #	17
43) Isopropyl Acetate	6.348	43	11271	5.141	ug/l	98
48) Methyl methacrylate	7.793	41	45279	40.003	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	37907	26.084	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	169	2.414	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13979	11.094	ug/l #	70
57) 1,3-Dichloropropane	9.476	76	1456	0.989	ug/l #	42
59) 2-Hexanone	9.378	43	11656	10.831	ug/l #	28
74) N-amyl acetate	10.780	43	1673	0.875	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	32834	26.987	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32834	91.592	ug/l #	1

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

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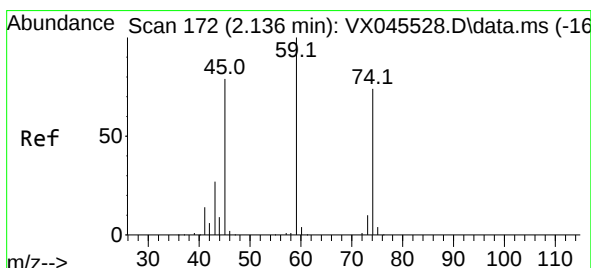
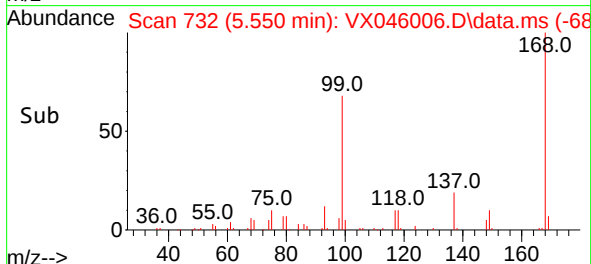
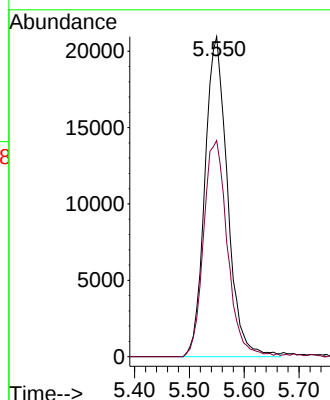
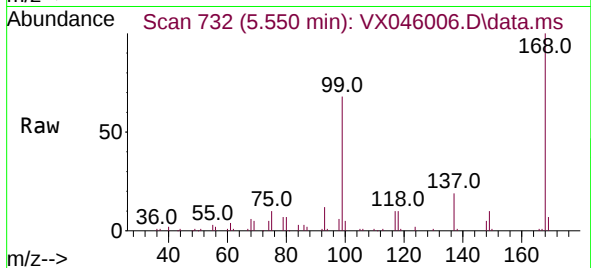




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

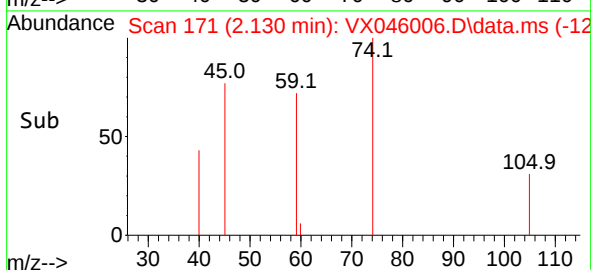
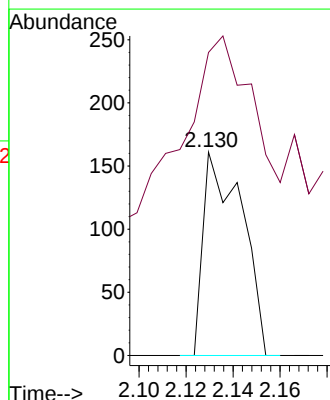
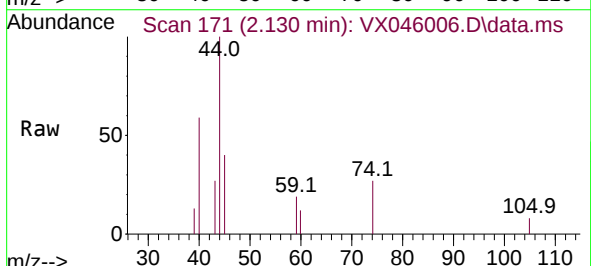
Instrument :
MSVOA_X
ClientSampleId :
WC-12-S-202504

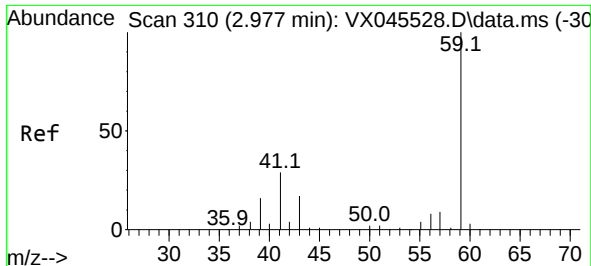
Tgt Ion:168 Resp: 59864
Ion Ratio Lower Upper
168 100
99 67.6 52.3 78.5



#8
Diethyl Ether
Concen: 0.437 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

Tgt Ion: 74 Resp: 184
Ion Ratio Lower Upper
74 100
45 147.3 53.0 159.1

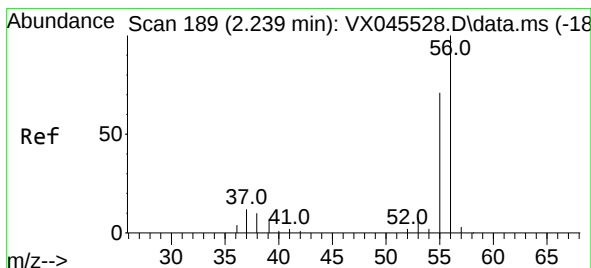
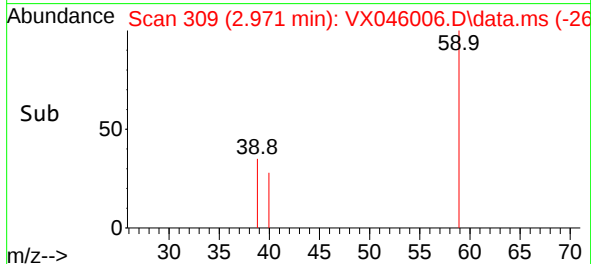
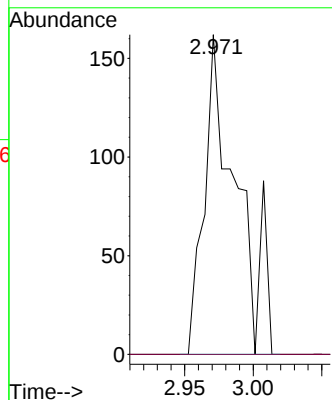
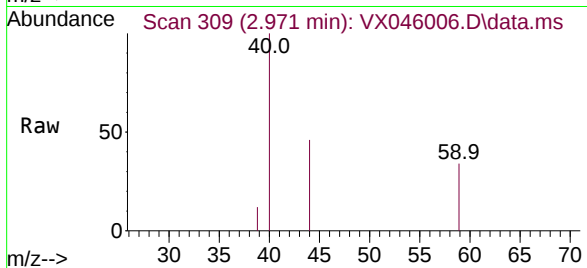




#11
Tert butyl alcohol
Concen: 1.815 ug/l
RT: 2.971 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

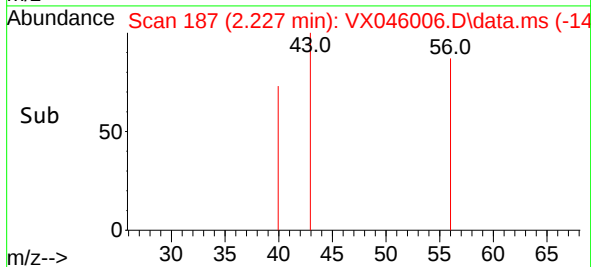
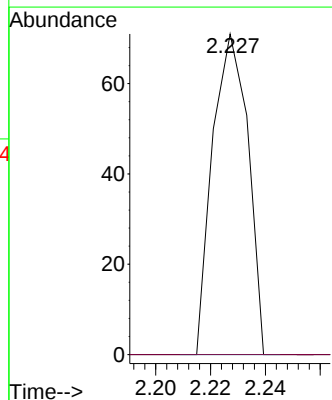
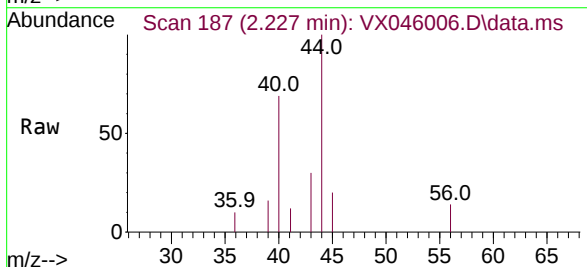
Instrument :
MSVOA_X
ClientSampleId :
WC-12-S-202504

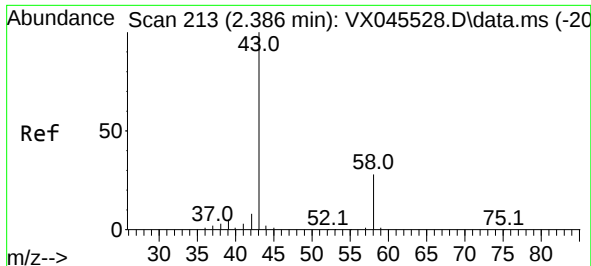
Tgt Ion: 59 Resp: 267
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.316 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#

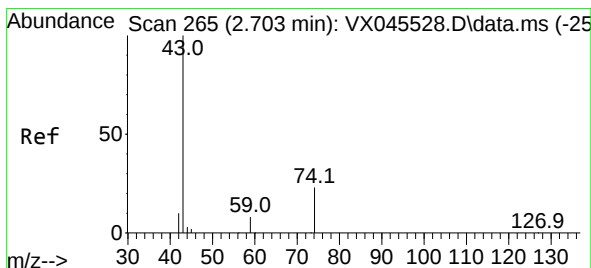
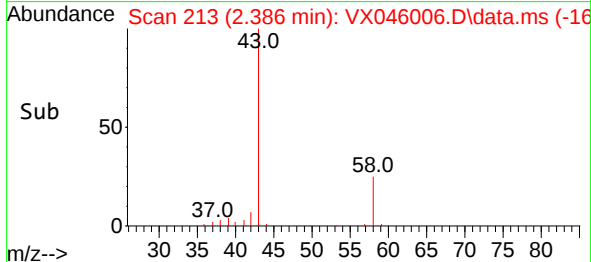
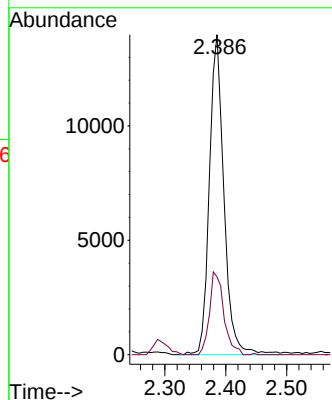
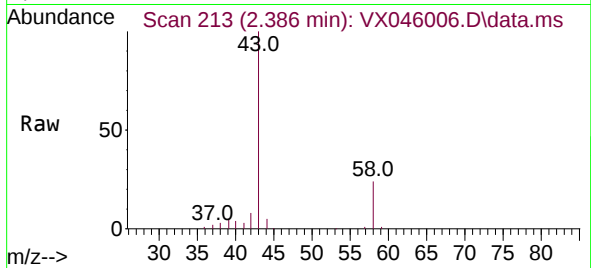




#16
Acetone
Concen: 51.646 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

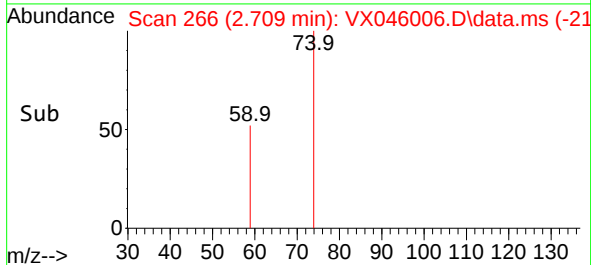
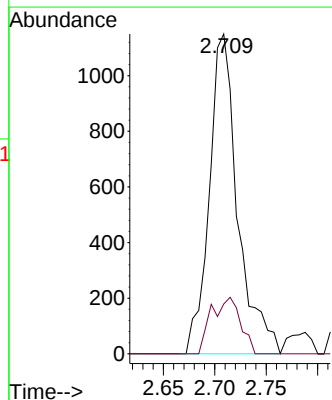
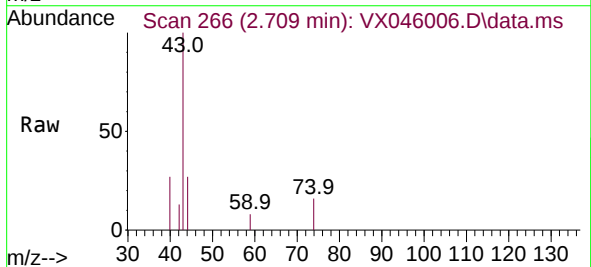
Instrument :
MSVOA_X
ClientSampleId :
WC-12-S-202504

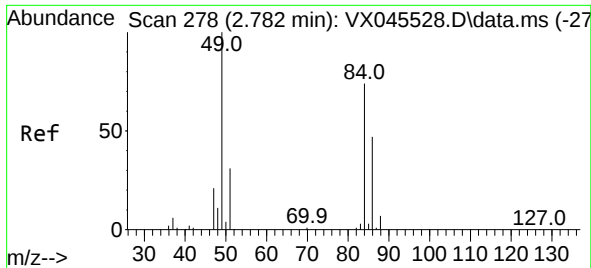
Tgt Ion: 43 Resp: 23217
Ion Ratio Lower Upper
43 100
58 24.3 22.3 33.5



#18
Methyl Acetate
Concen: 2.130 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

Tgt Ion: 43 Resp: 2205
Ion Ratio Lower Upper
43 100
74 18.1 17.5 26.3

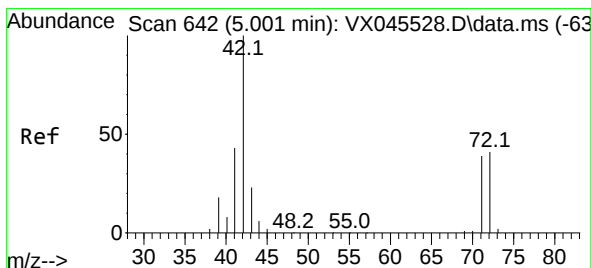
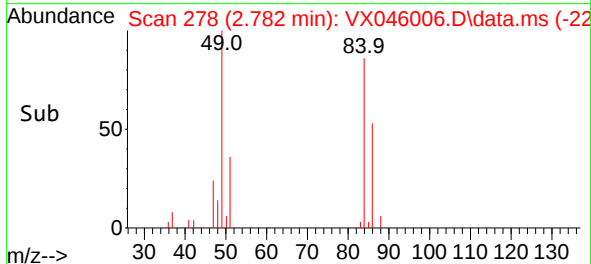
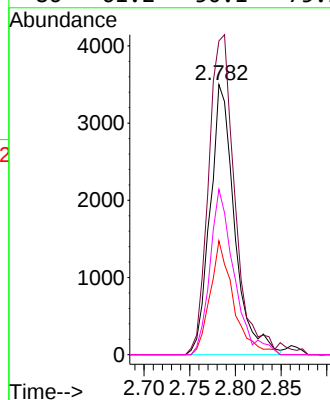
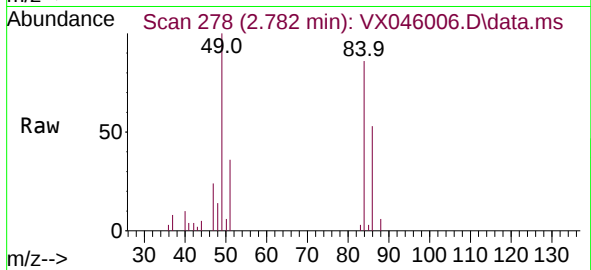




#20
Methylene Chloride
Concen: 7.761 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

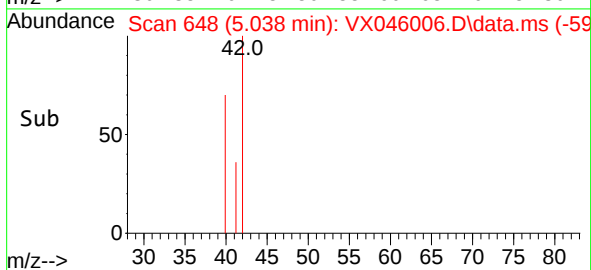
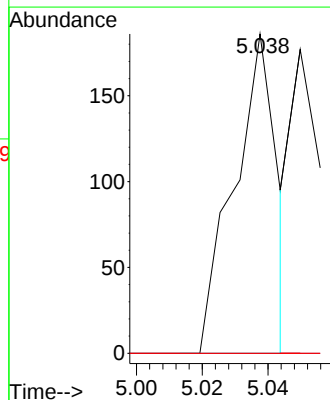
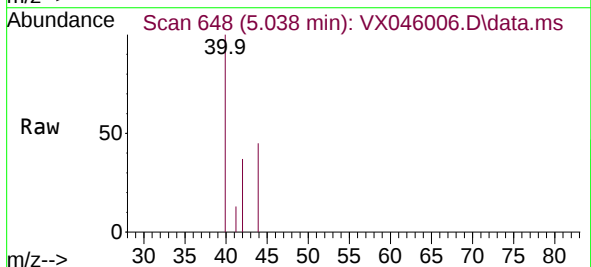
Instrument :
MSVOA_X
ClientSampleId :
WC-12-S-202504

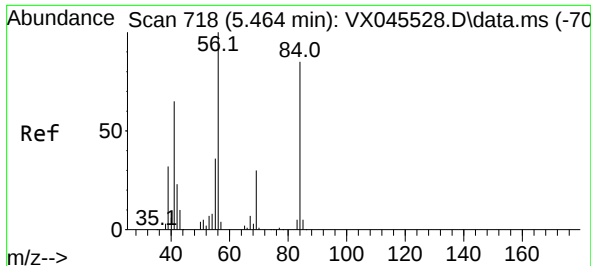
Tgt Ion:	84	Resp:	6532
Ion	Ratio	Lower	Upper
84	100		
49	116.2	107.5	161.3
51	42.2	33.0	49.6
86	61.2	50.1	75.1



#29
Tetrahydrofuran
Concen: 0.398 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.036 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

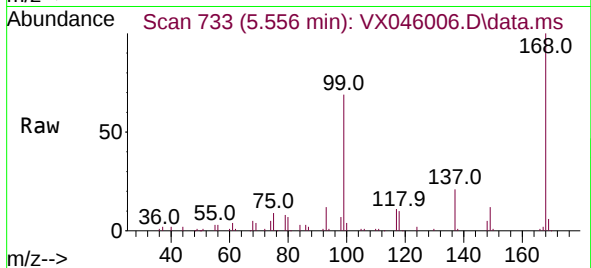
Tgt Ion:	42	Resp:	170
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.0#
71	0.0	31.4	47.0#



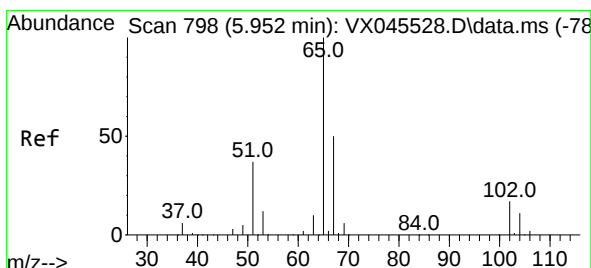
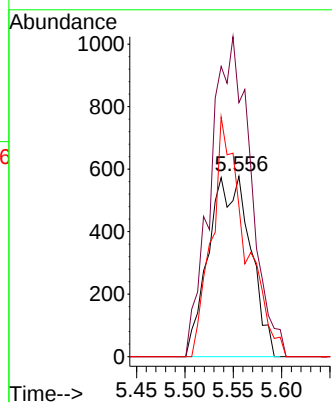
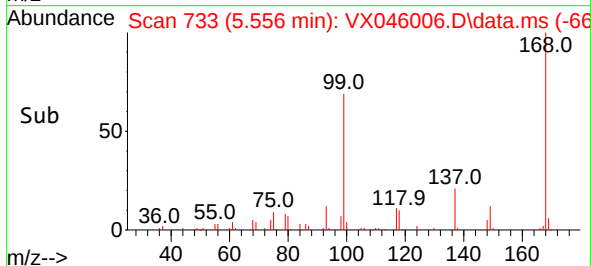


#31
Cyclohexane
Concen: 1.286 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

Instrument :
MSVOA_X
ClientSampleId :
WC-12-S-202504

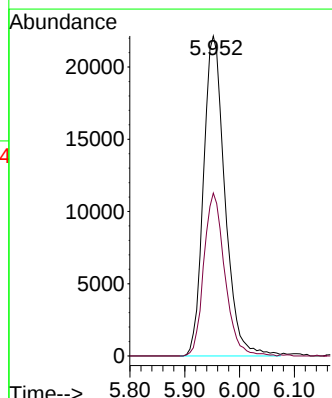
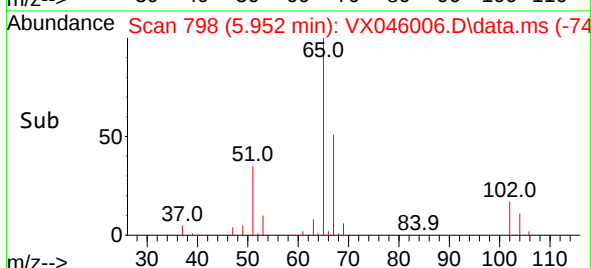
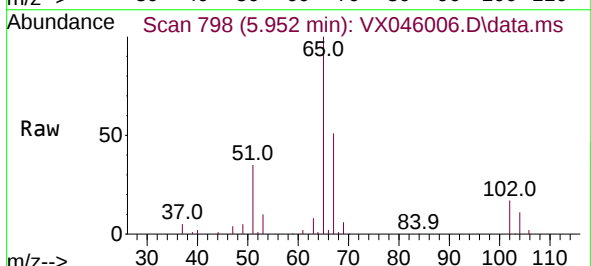


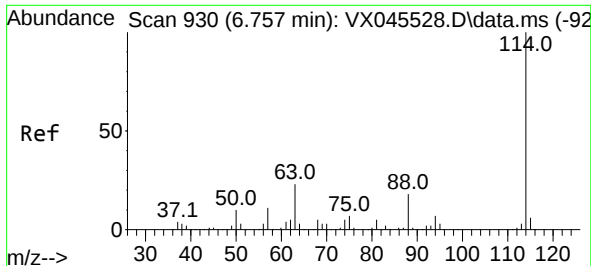
Tgt Ion: 56 Resp: 1727
Ion Ratio Lower Upper
56 100
69 140.9 23.6 35.4#
84 83.5 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.872 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

Tgt Ion: 65 Resp: 60071
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.0

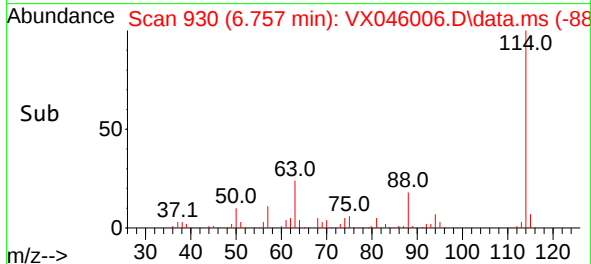
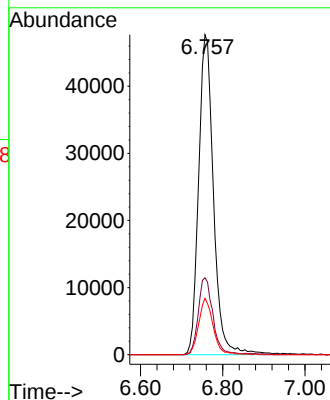
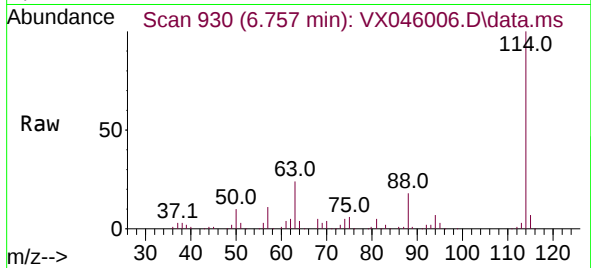




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

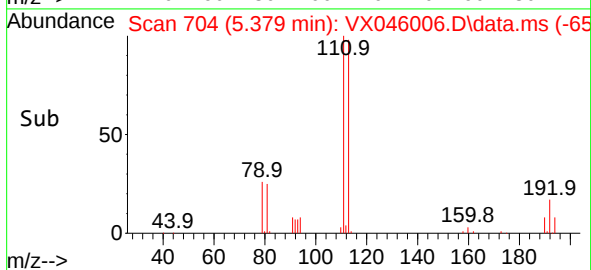
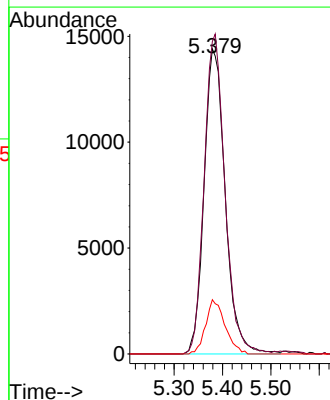
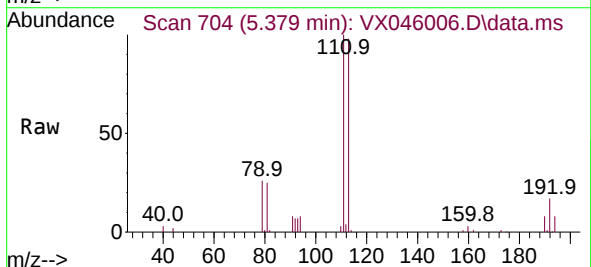
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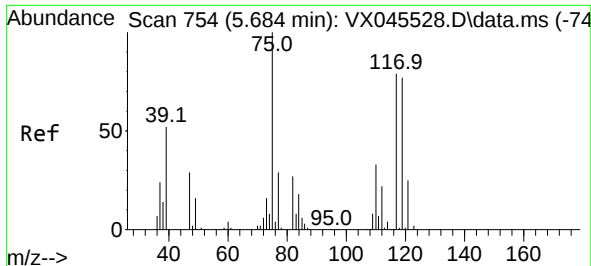
Tgt Ion:114 Resp: 119812
Ion Ratio Lower Upper
114 100
63 24.0 0.0 46.8
88 17.6 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.527 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

Tgt Ion:113 Resp: 43801
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 16.3 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.045 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX046006.D

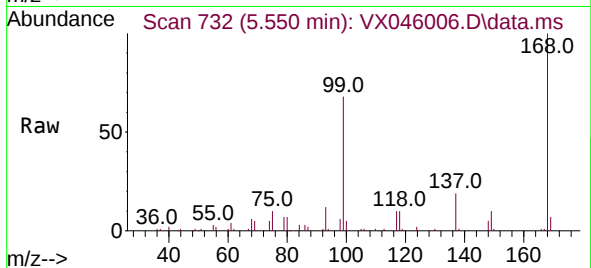
Acq: 30 Apr 2025 18:24

Instrument :

MSVOA_X

ClientSampleId :

WC-12-S-202504



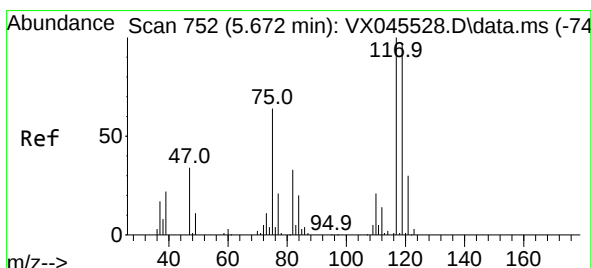
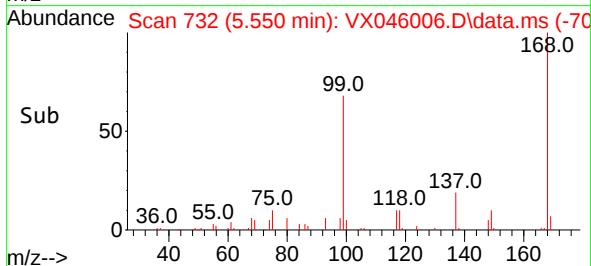
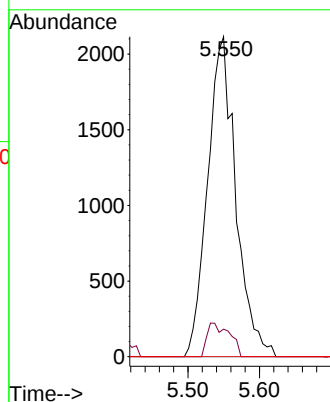
Tgt Ion: 75 Resp: 5791

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.515 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX046006.D

Acq: 30 Apr 2025 18:24

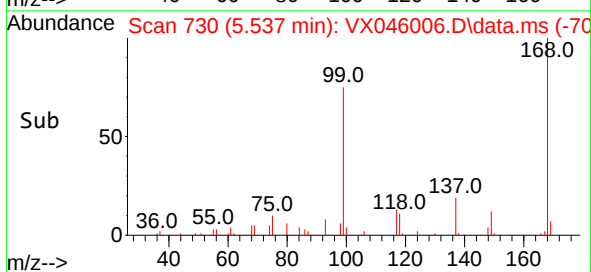
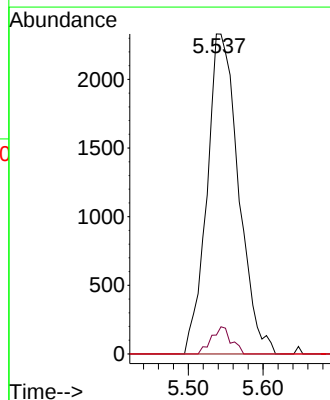
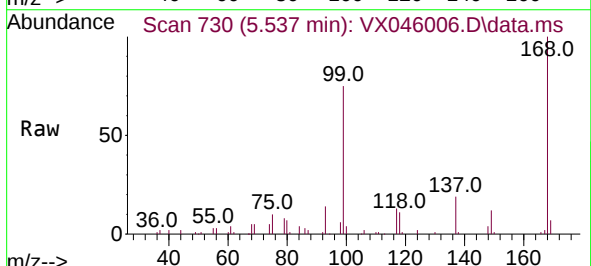
Tgt Ion: 117 Resp: 6841

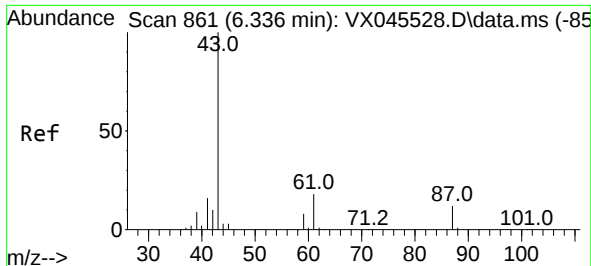
Ion Ratio Lower Upper

117 100

119 5.9 76.9 115.3#

121 0.0 24.2 36.2#

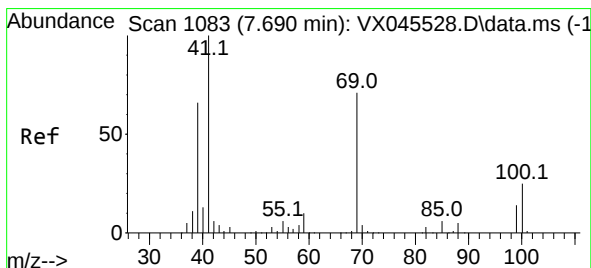
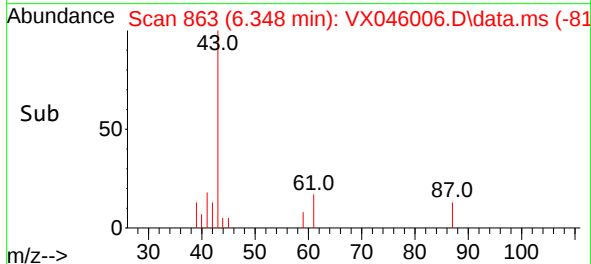
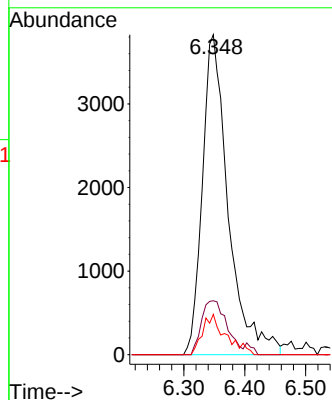
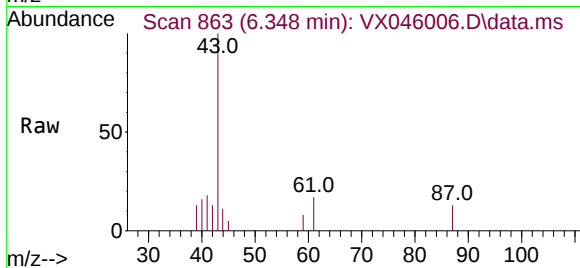




#43
Isopropyl Acetate
Concen: 5.141 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

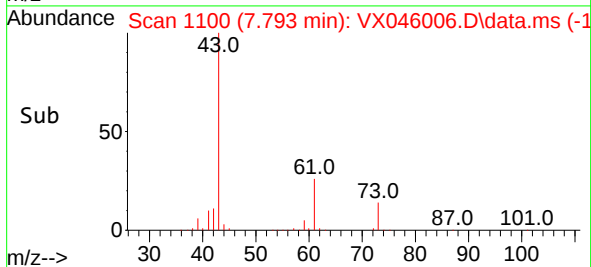
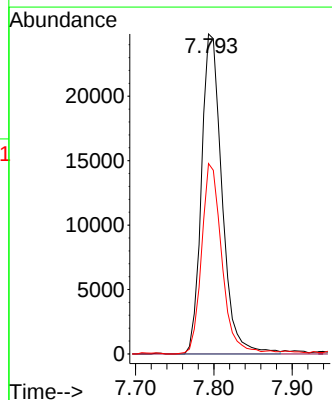
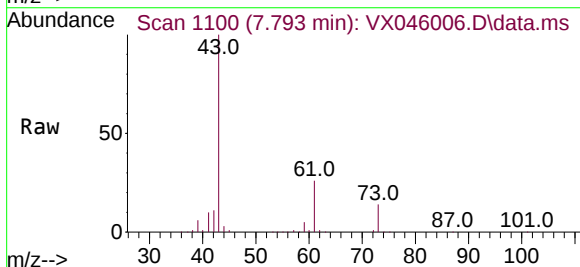
Instrument :
MSVOA_X
ClientSampleId :
WC-12-S-202504

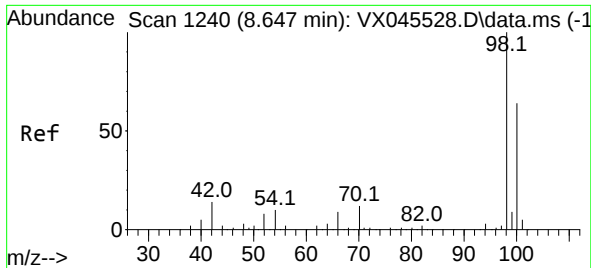
Tgt Ion: 43 Resp: 11271
Ion Ratio Lower Upper
43 100
61 16.6 14.1 21.1
87 11.3 9.2 13.8



#48
Methyl methacrylate
Concen: 40.003 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

Tgt Ion: 41 Resp: 45279
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.0 53.6 80.4

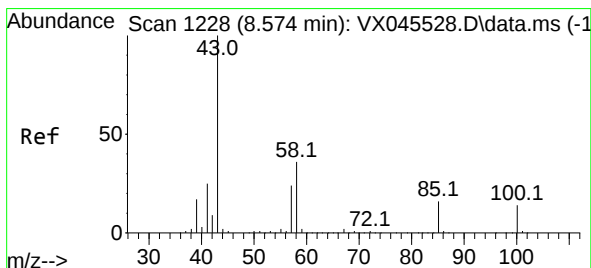
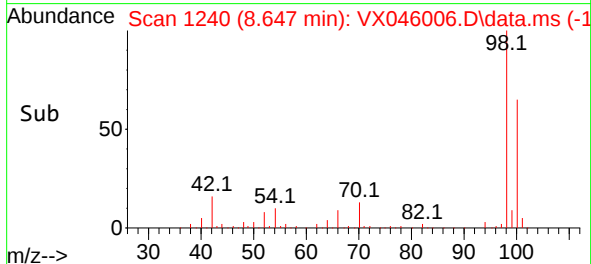
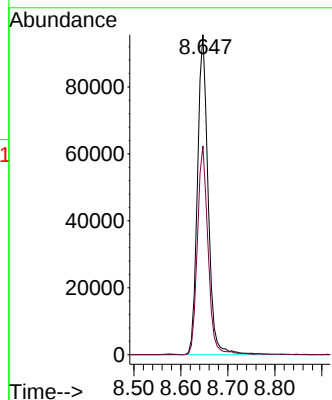
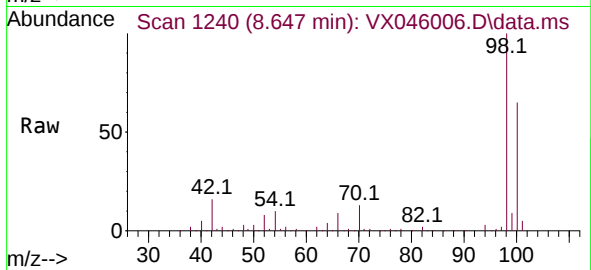




#50
Toluene-d8
Concen: 51.006 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

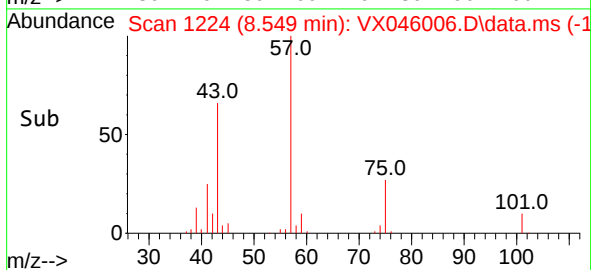
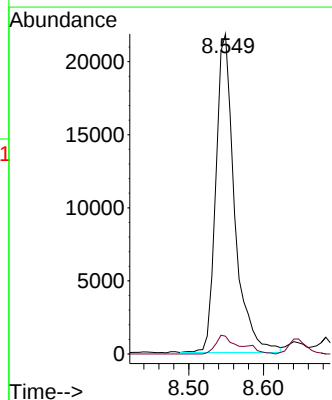
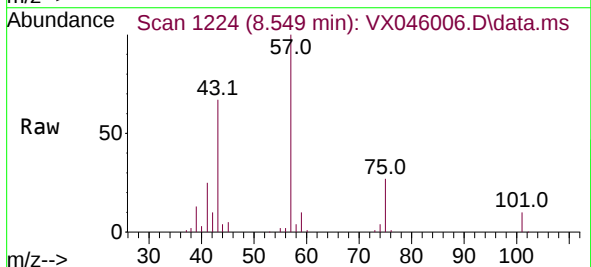
Instrument :
MSVOA_X
ClientSampleId :
WC-12-S-202504

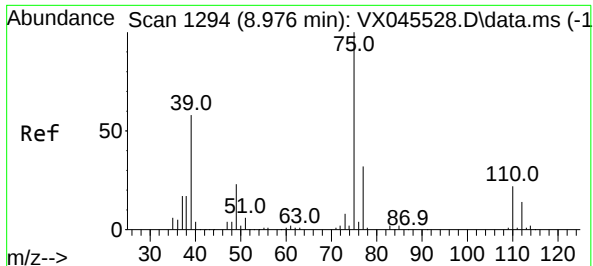
Tgt Ion: 98 Resp: 151337
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 26.084 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

Tgt Ion: 43 Resp: 37907
Ion Ratio Lower Upper
43 100
58 7.5 28.5 42.7#

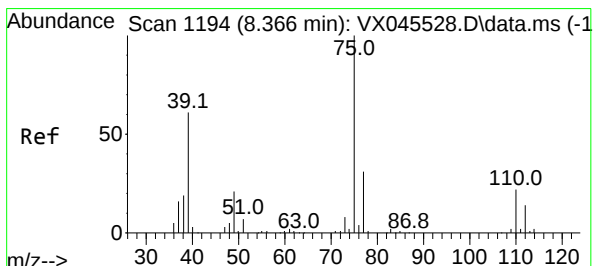
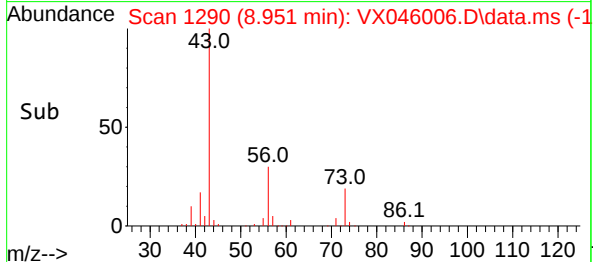
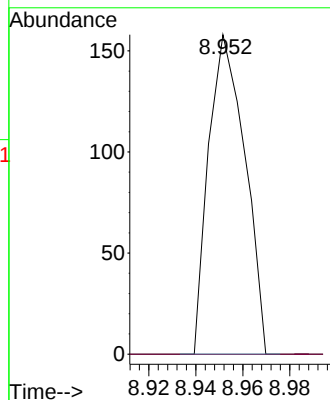
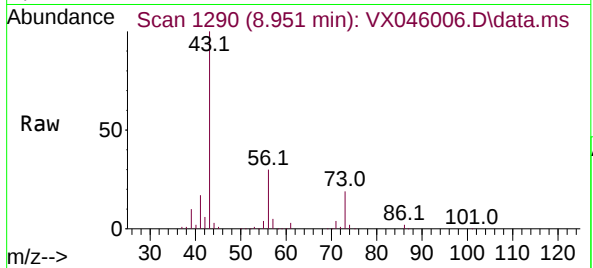




#53
 t-1,3-Dichloropropene
 Concen: 2.414 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX046006.D
 Acq: 30 Apr 2025 18:24

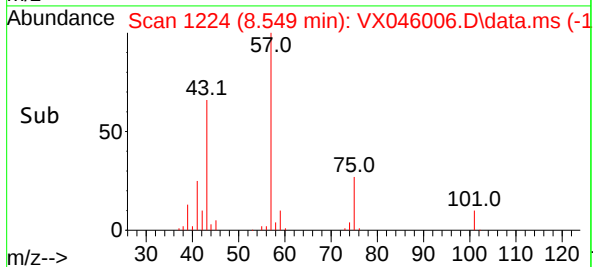
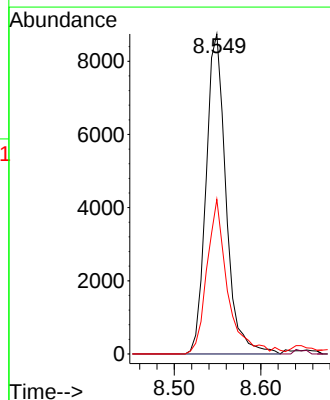
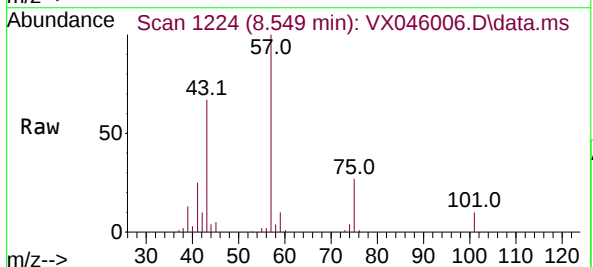
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-12-S-202504

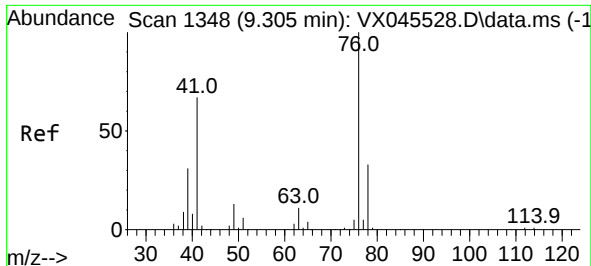
Tgt Ion: 75 Resp: 169
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.094 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX046006.D
 Acq: 30 Apr 2025 18:24

Tgt Ion: 75 Resp: 13979
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 48.3 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.989 ug/l

RT: 9.476 min Scan# 1376

Delta R.T. 0.171 min

Lab File: VX046006.D

Acq: 30 Apr 2025 18:24

Instrument :

MSVOA_X

ClientSampleId :

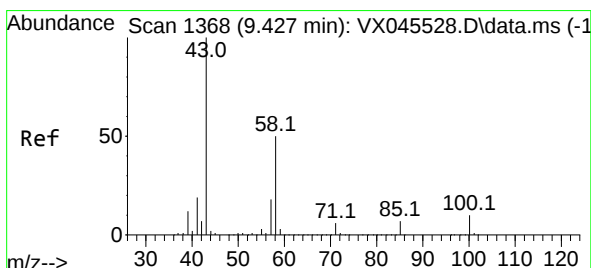
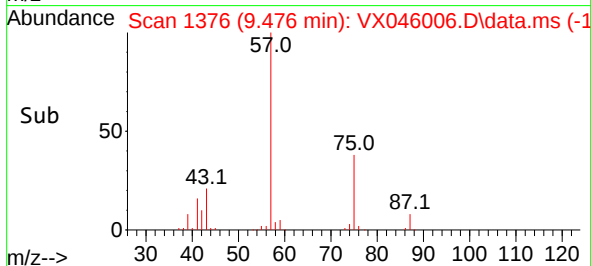
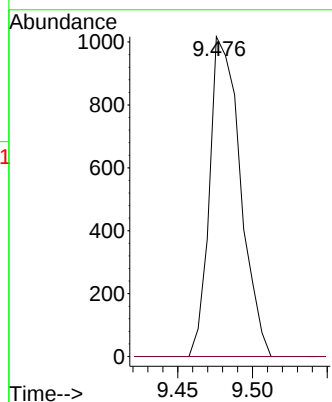
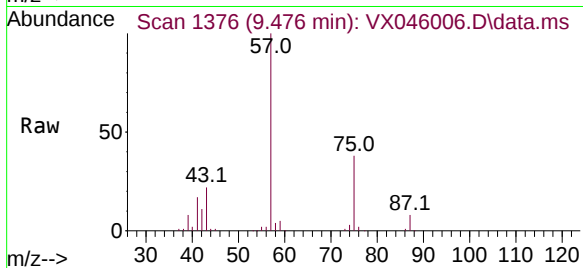
WC-12-S-202504

Tgt Ion: 76 Resp: 1456

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 10.831 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046006.D

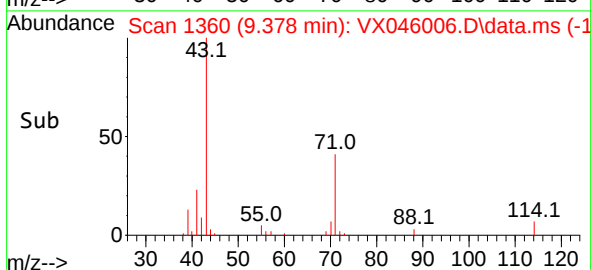
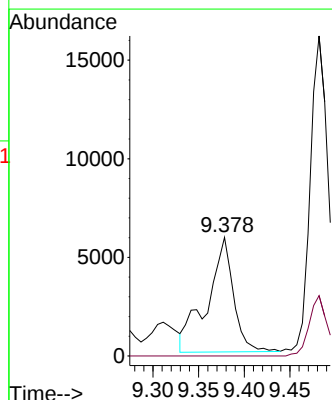
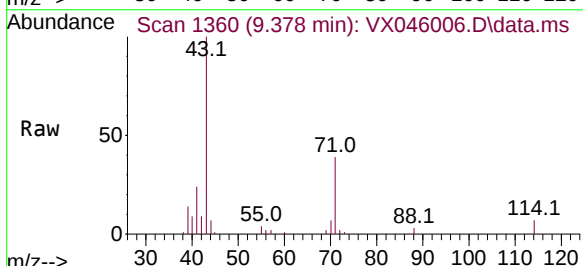
Acq: 30 Apr 2025 18:24

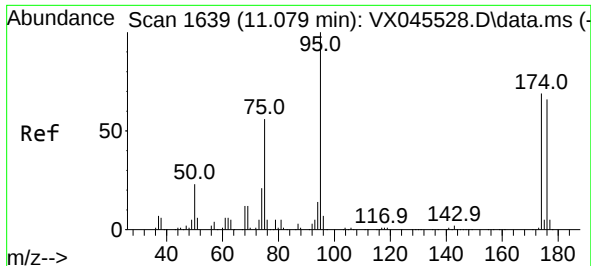
Tgt Ion: 43 Resp: 11656

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

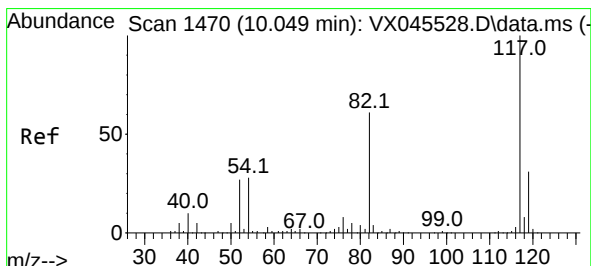
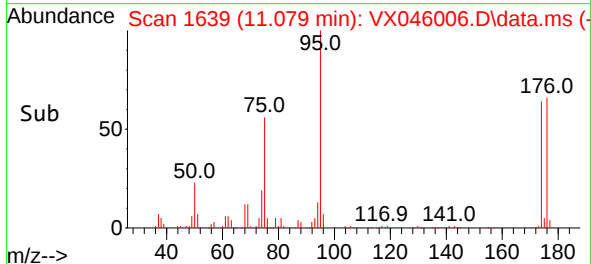
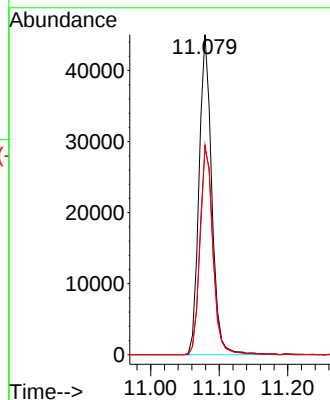
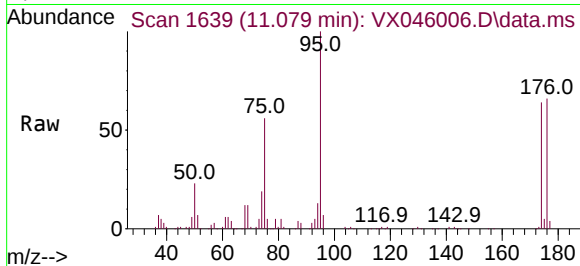




#62
4-Bromofluorobenzene
Concen: 53.684 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

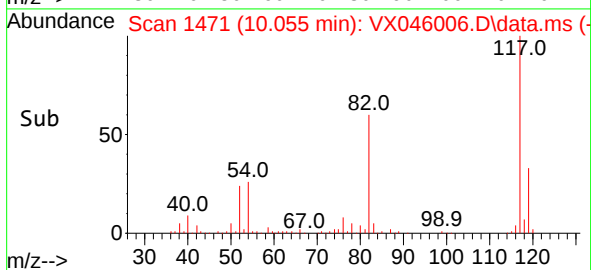
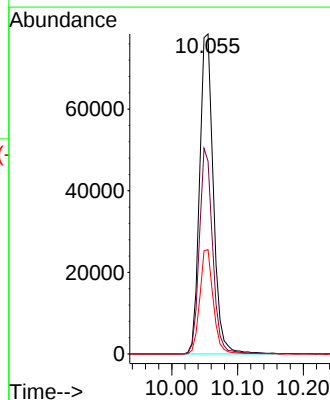
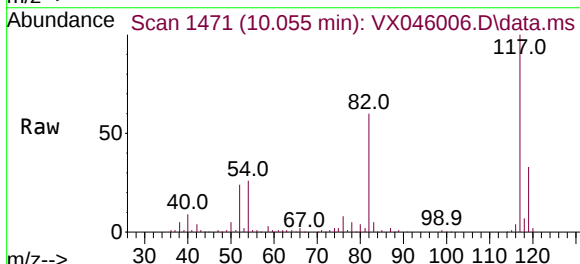
Instrument :
MSVOA_X
ClientSampleId :
WC-12-S-202504

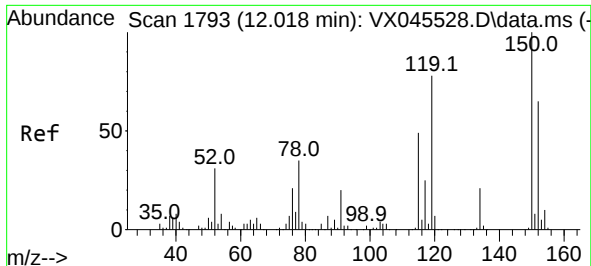
Tgt Ion: 95 Resp: 58019
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 65.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

Tgt Ion: 117 Resp: 114218
Ion Ratio Lower Upper
117 100
82 60.2 49.2 73.8
119 32.6 25.1 37.7

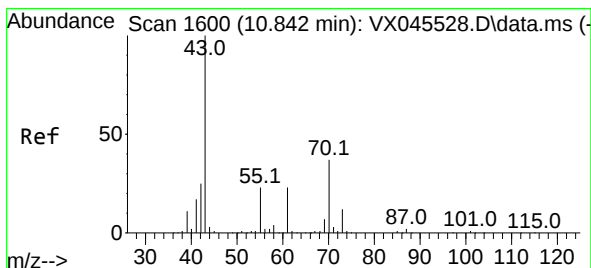
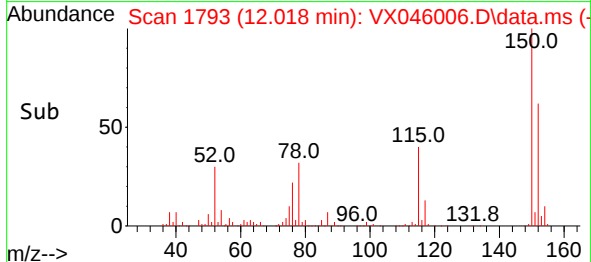
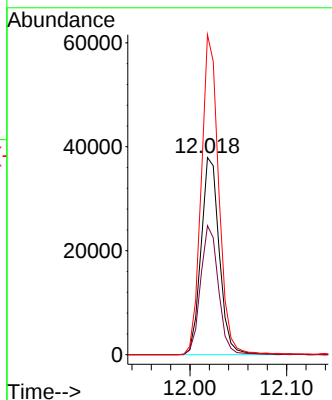
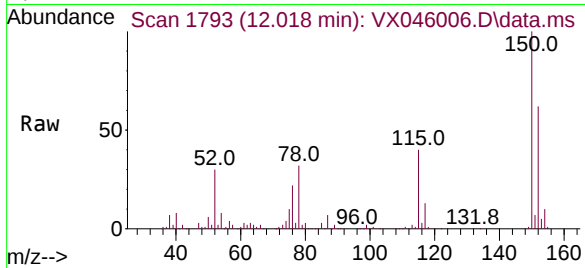




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

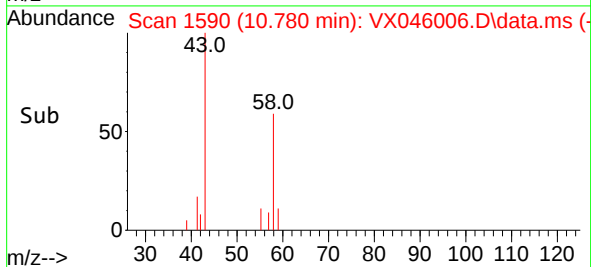
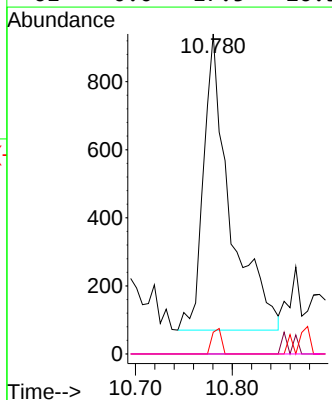
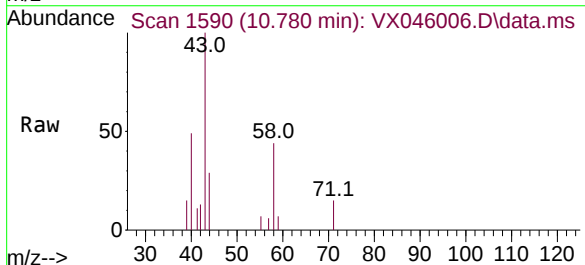
Instrument :
MSVOA_X
ClientSampleId :
WC-12-S-202504

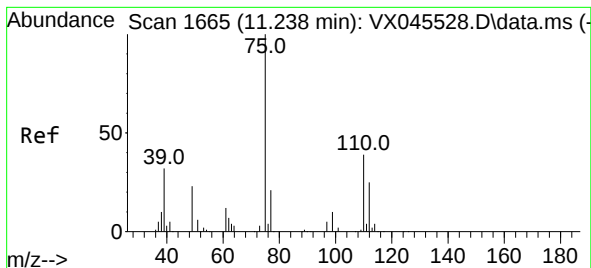
Tgt Ion:152 Resp: 49878
Ion Ratio Lower Upper
152 100
115 64.0 46.9 140.7
150 156.3 0.0 349.4



#74
N-ethyl acetate
Concen: 0.875 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX046006.D
Acq: 30 Apr 2025 18:24

Tgt Ion: 43 Resp: 1673
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 3.0 18.3 27.5#
61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 26.987 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046006.D

Acq: 30 Apr 2025 18:24

Instrument :

MSVOA_X

ClientSampleId :

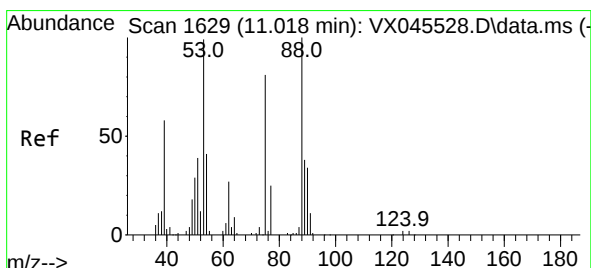
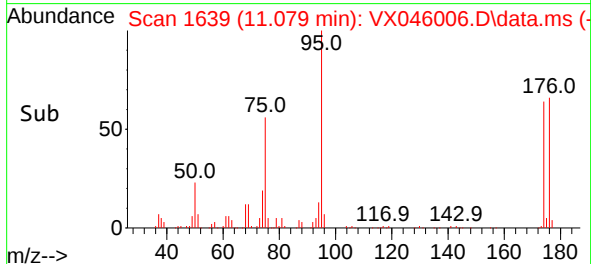
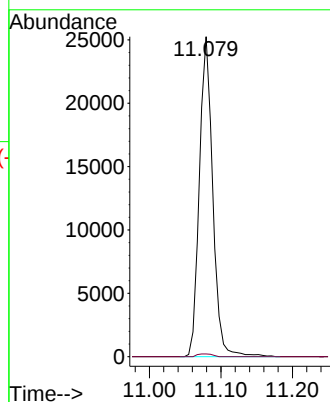
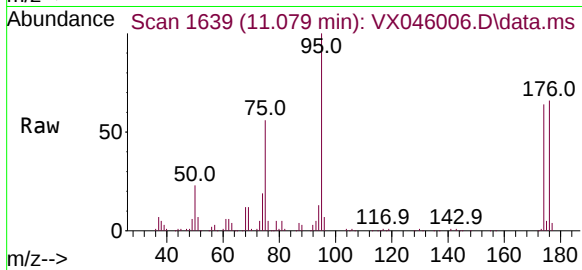
WC-12-S-202504

Tgt Ion: 75 Resp: 32834

Ion Ratio Lower Upper

75 100

77 1.0 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.592 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046006.D

Acq: 30 Apr 2025 18:24

Tgt Ion: 75 Resp: 32834

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

