

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046264.D
 Acq On : 19 May 2025 13:50
 Operator : JC/MD
 Sample : Q2062-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 L1-WC-2

Quant Time: May 19 23:10:33 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)

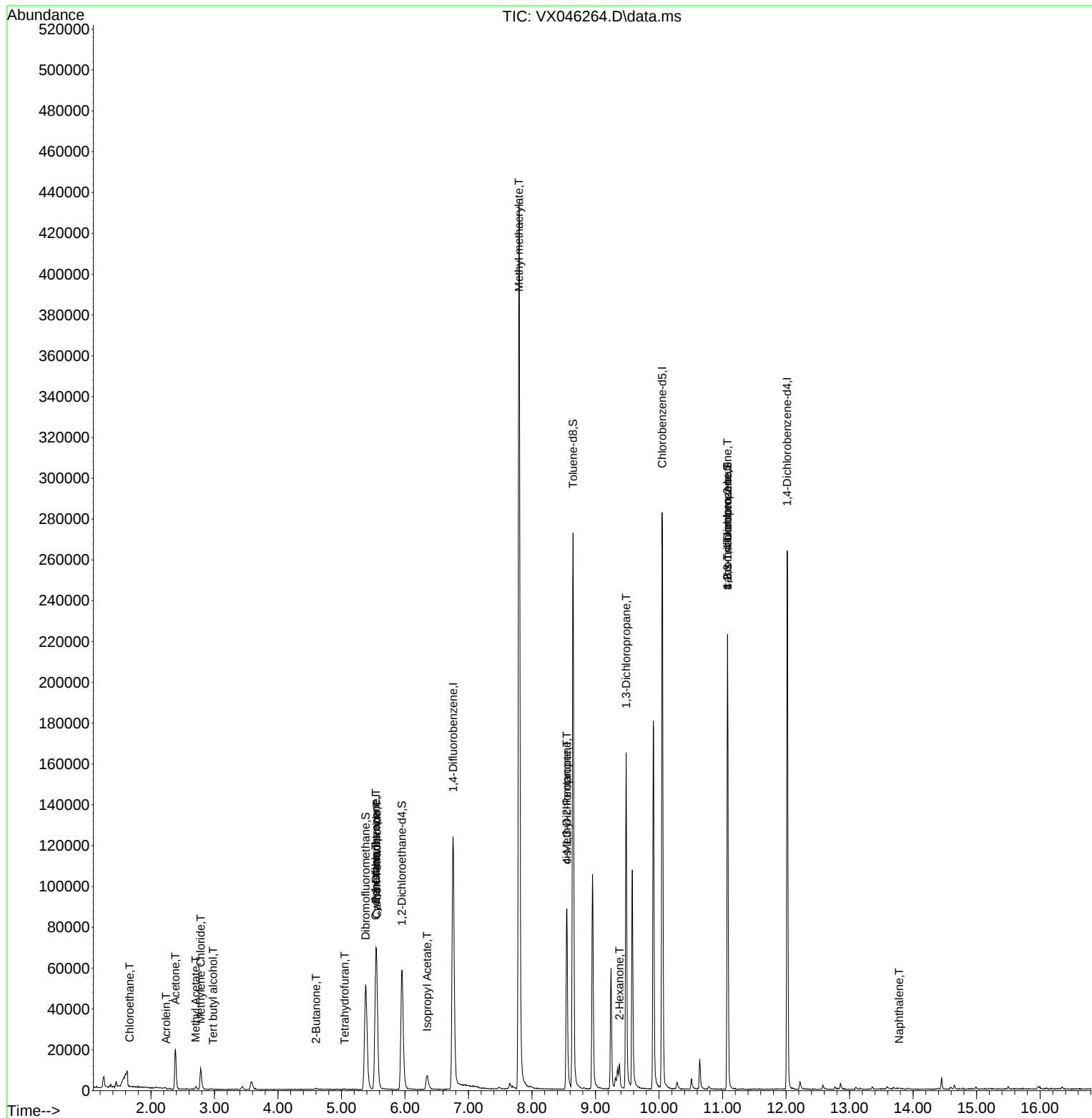
Internal Standards						
1) Pentafluorobenzene	5.544	168	59150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	117096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	114687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61603	55.863	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.720%	
35) Dibromofluoromethane	5.379	113	43878	52.037	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.080%	
50) Toluene-d8	8.647	98	153123	52.467	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.940%	
62) 4-Bromofluorobenzene	11.079	95	58099	51.898	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.800%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	149	0.342	ug/l #	44
11) Tert butyl alcohol	2.977	59	184	1.189	ug/l #	72
13) Acrolein	2.239	56	143	0.811	ug/l #	61
16) Acetone	2.386	43	22015	49.791	ug/l	97
18) Methyl Acetate	2.703	43	1961	1.911	ug/l	92
20) Methylene Chloride	2.782	84	4715	5.565	ug/l	93
25) 2-Butanone	4.599	43	537	0.837	ug/l #	87
29) Tetrahydrofuran	5.050	42	188	0.467	ug/l #	43
31) Cyclohexane	5.538	56	1696	1.291	ug/l #	50
36) 1,1-Dichloropropene	5.544	75	5821	5.138	ug/l #	50
38) Carbon Tetrachloride	5.556	117	6907	5.426	ug/l #	16
43) Isopropyl Acetate	6.348	43	10859	5.085	ug/l	97
48) Methyl methacrylate	7.793	41	45320	41.556	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	34384	24.258	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	13443	10.675	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	1272	0.883	ug/l #	42
59) 2-Hexanone	9.378	43	11437	10.906	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	32968	28.600	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32968	93.114	ug/l #	1
95) Naphthalene	13.780	128	712	0.213	ug/l #	73

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

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Instrument :
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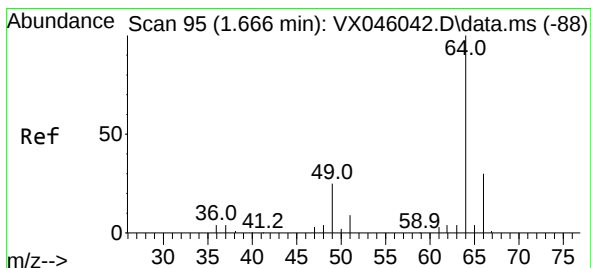
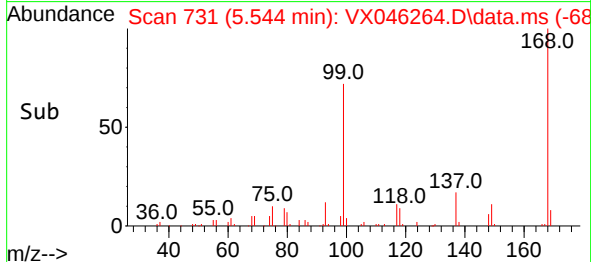
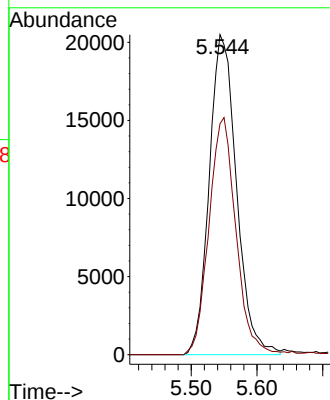
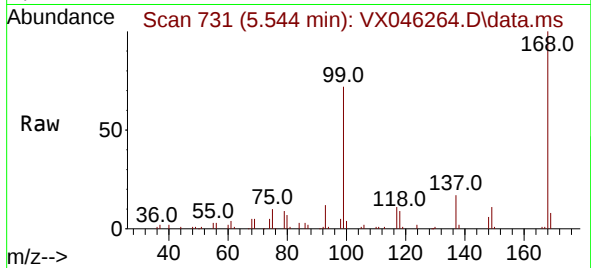




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

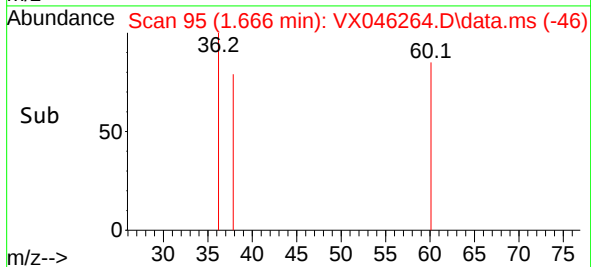
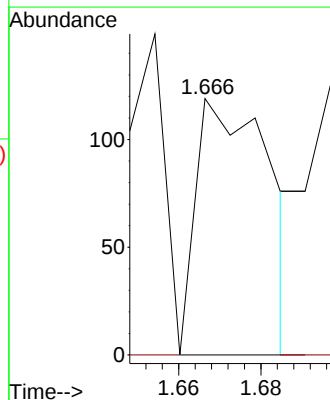
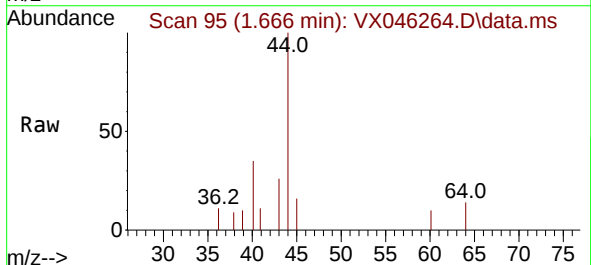
Instrument : MSVOA_X
ClientSampleId : L1-WC-2

Tgt Ion:168 Resp: 59150
Ion Ratio Lower Upper
168 100
99 72.2 54.9 82.3



#6
Chloroethane
Concen: 0.342 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5





#11

Tert butyl alcohol

Concen: 1.189 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.000 min

Lab File: VX046264.D

Acq: 19 May 2025 13:50

Instrument :

MSVOA_X

ClientSampleId :

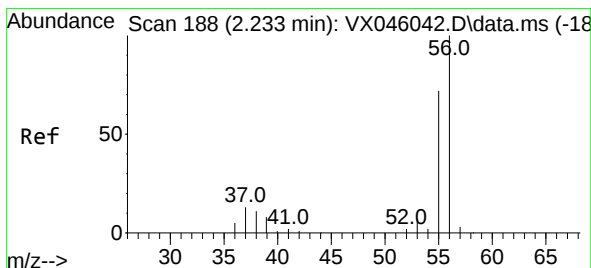
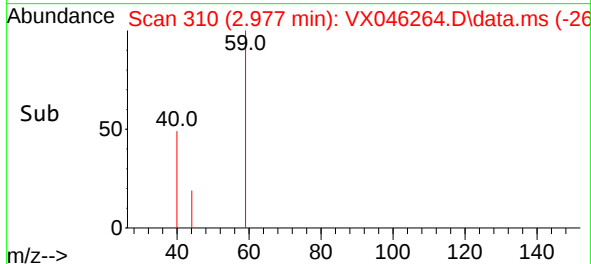
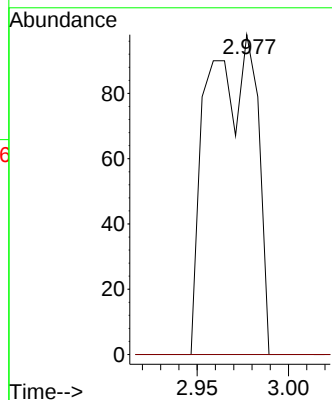
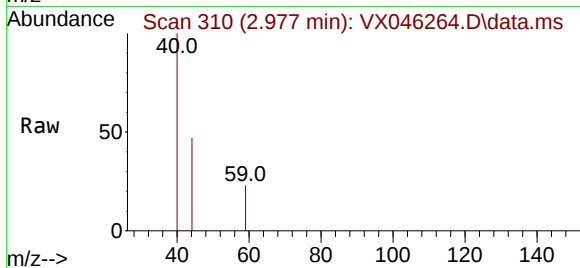
L1-WC-2

Tgt Ion: 59 Resp: 184

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 0.811 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX046264.D

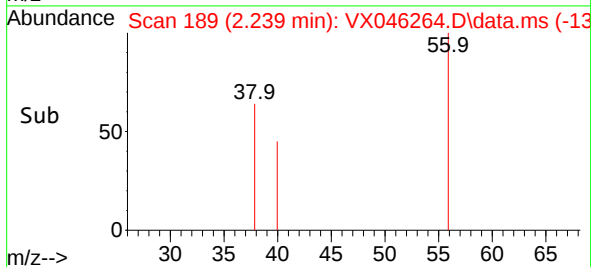
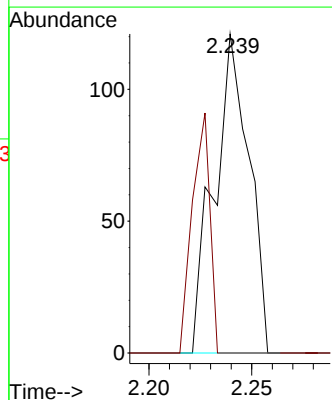
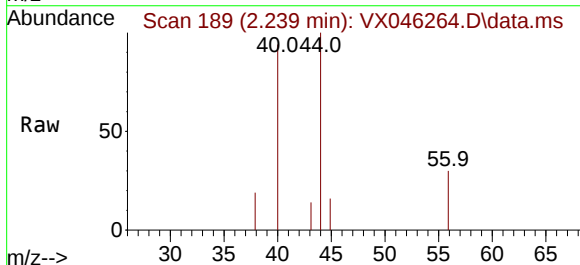
Acq: 19 May 2025 13:50

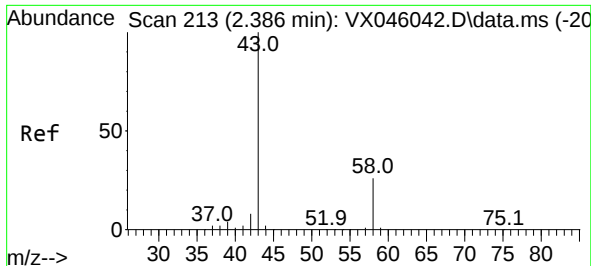
Tgt Ion: 56 Resp: 143

Ion Ratio Lower Upper

56 100

55 38.5 56.2 84.4#

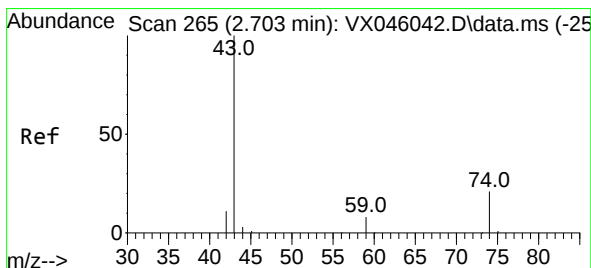
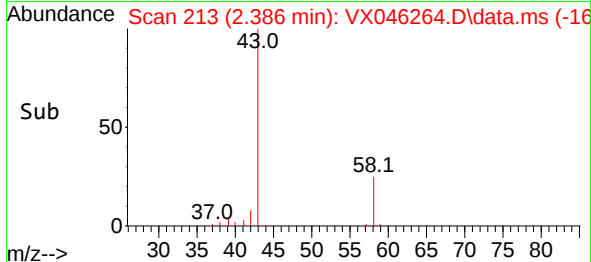
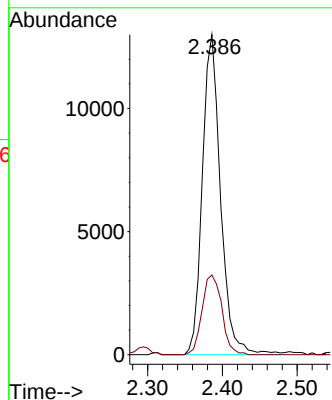
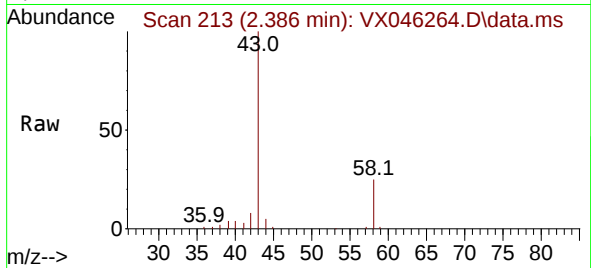




#16
Acetone
Concen: 49.791 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

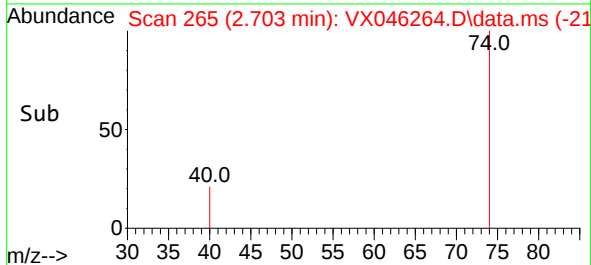
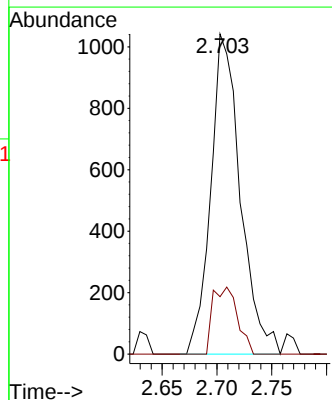
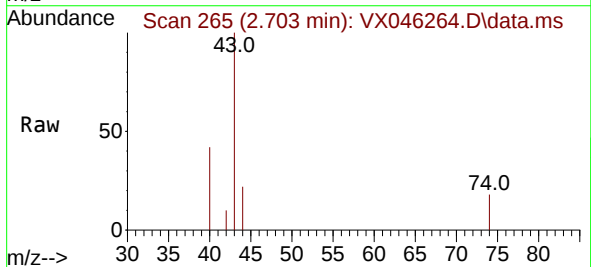
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-2

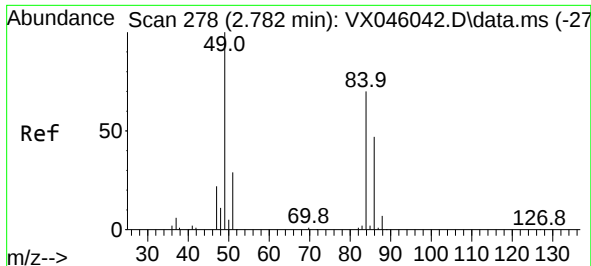
Tgt Ion: 43 Resp: 22015
Ion Ratio Lower Upper
43 100
58 24.9 21.2 31.8



#18
Methyl Acetate
Concen: 1.911 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

Tgt Ion: 43 Resp: 1961
Ion Ratio Lower Upper
43 100
74 17.4 16.7 25.1

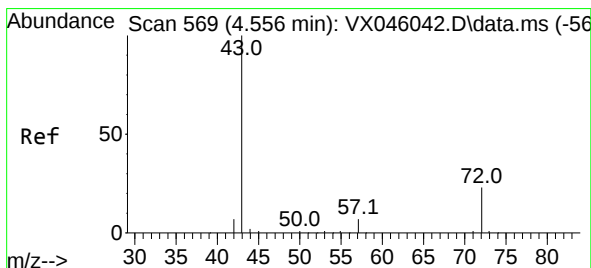
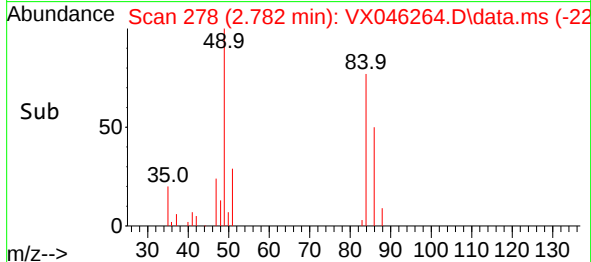
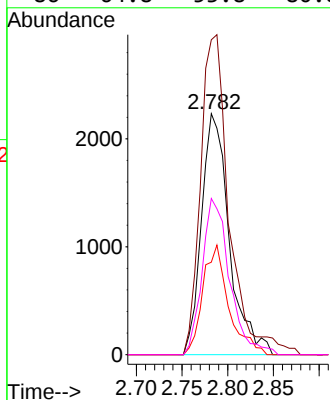
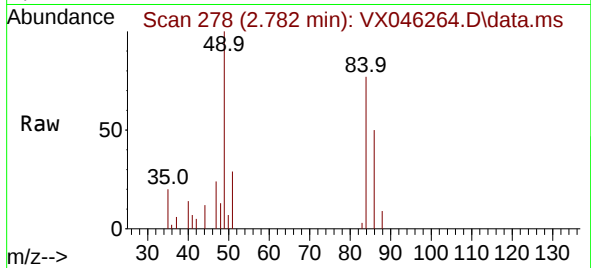




#20
Methylene Chloride
Concen: 5.565 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

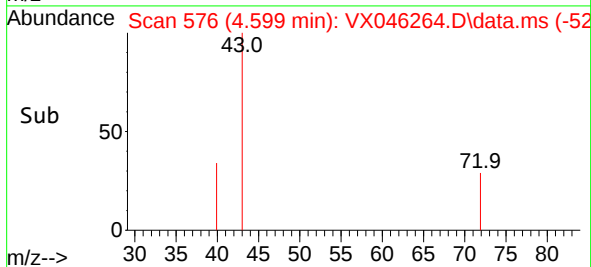
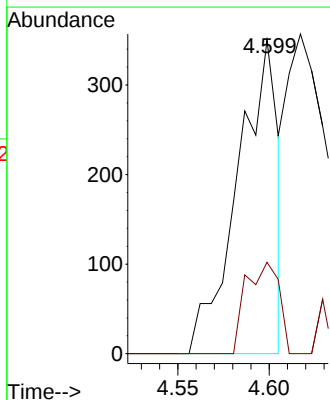
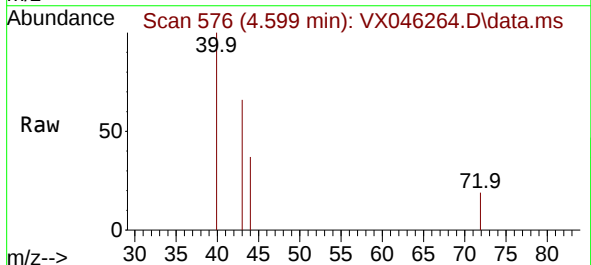
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-2

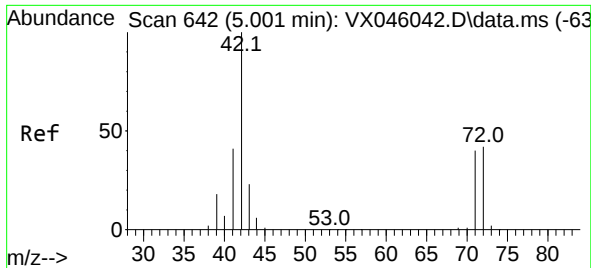
Tgt Ion:	84	Resp:	4715
Ion	Ratio	Lower	Upper
84	100		
49	130.7	113.9	170.9
51	38.4	33.5	50.3
86	64.8	53.8	80.8



#25
2-Butanone
Concen: 0.837 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

Tgt Ion:	43	Resp:	537
Ion	Ratio	Lower	Upper
43	100		
72	29.1	18.4	27.6

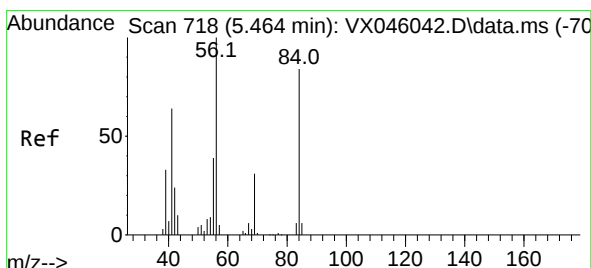
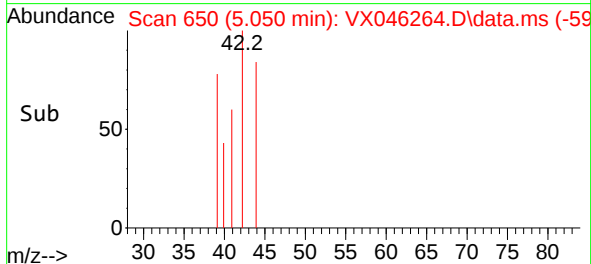
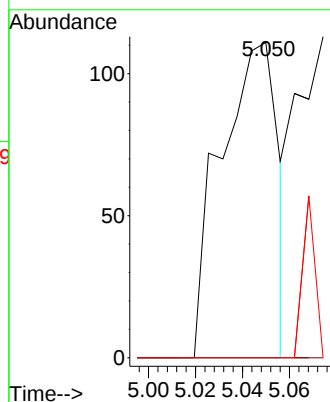
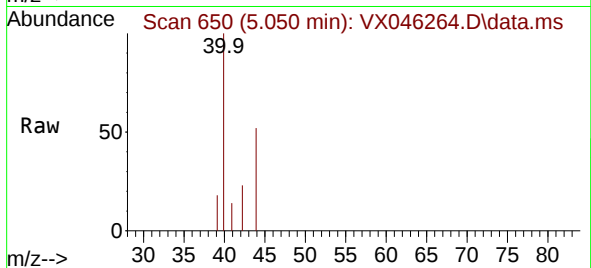




#29
Tetrahydrofuran
Concen: 0.467 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.049 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

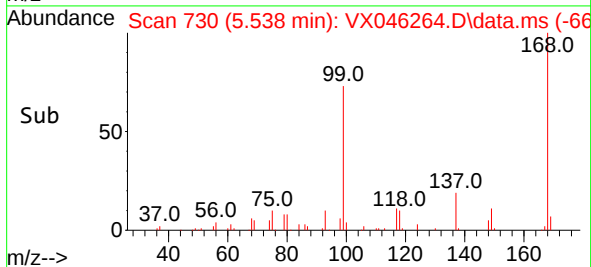
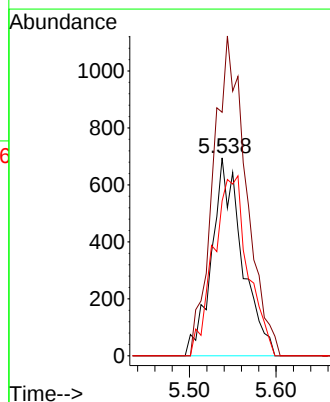
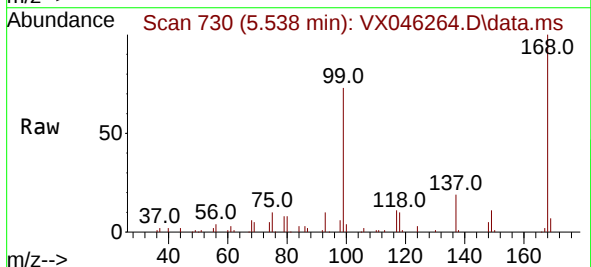
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-2

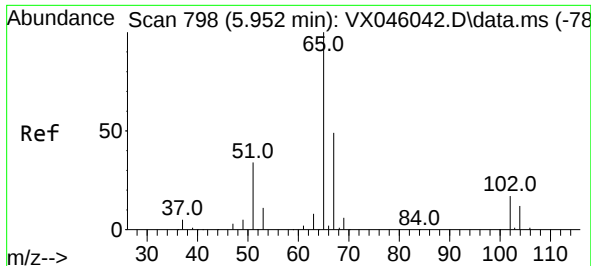
Tgt Ion: 42 Resp: 188
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 11.2 31.4 47.2#



#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

Tgt Ion: 56 Resp: 1696
Ion Ratio Lower Upper
56 100
69 123.0 24.4 36.6#
84 78.3 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 55.863 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046264.D

Acq: 19 May 2025 13:50

Instrument :

MSVOA_X

ClientSampleId :

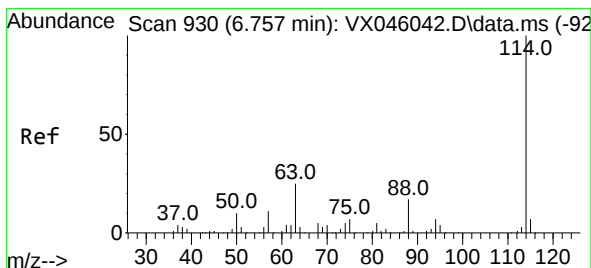
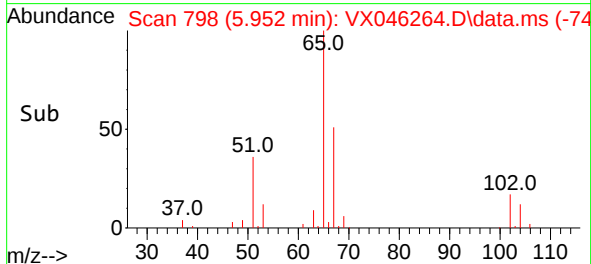
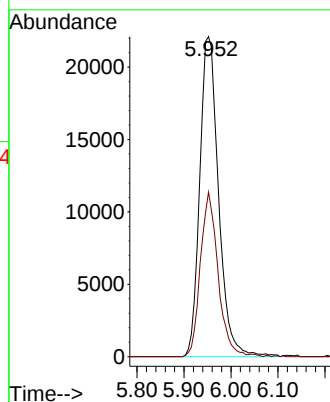
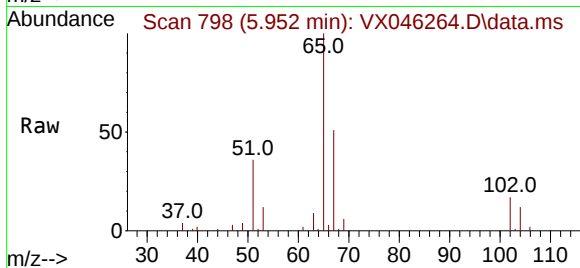
L1-WC-2

Tgt Ion: 65 Resp: 61603

Ion Ratio Lower Upper

65 100

67 48.0 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: VX046264.D

Acq: 19 May 2025 13:50

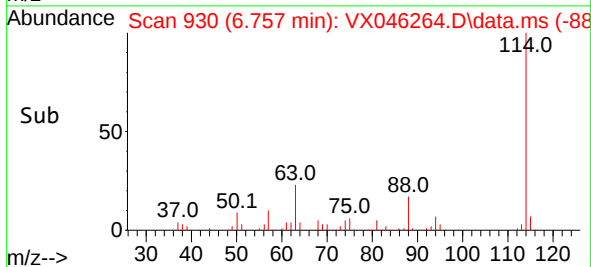
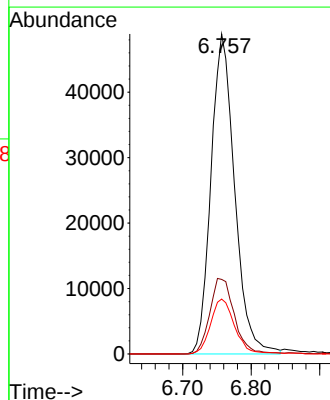
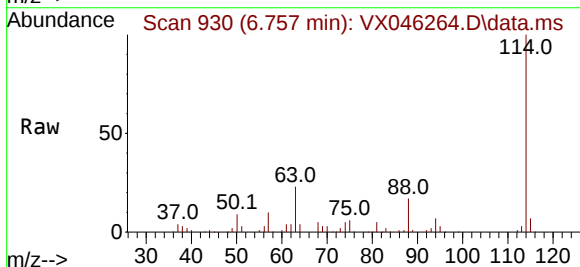
Tgt Ion: 114 Resp: 117096

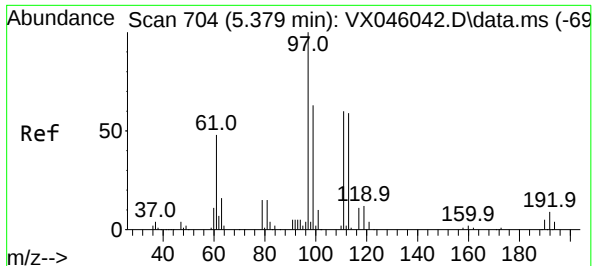
Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.2

88 17.2 0.0 33.6

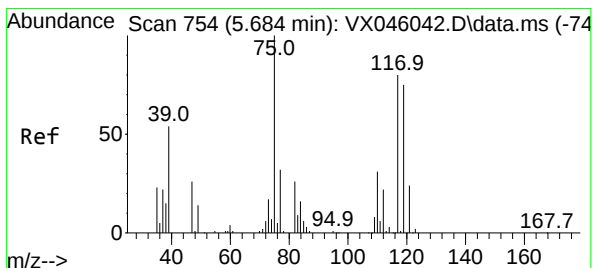
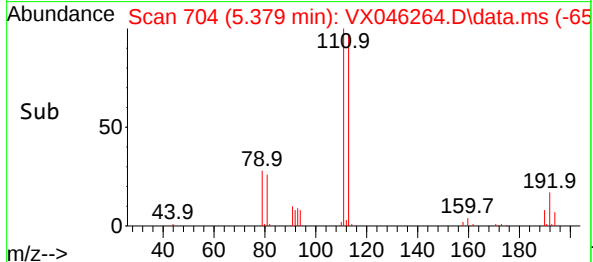
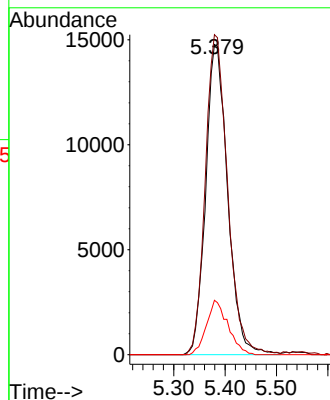
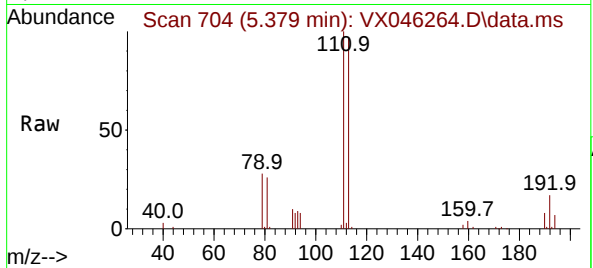




#35
Dibromofluoromethane
Concen: 52.037 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

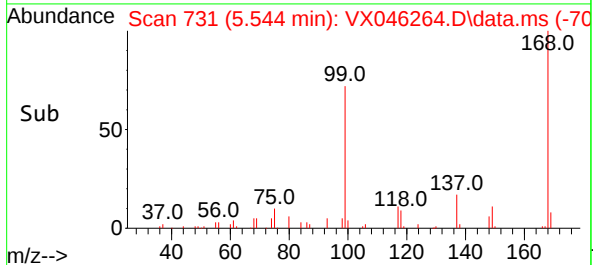
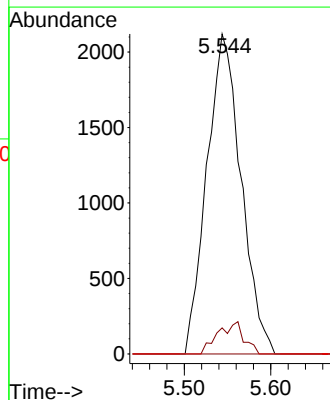
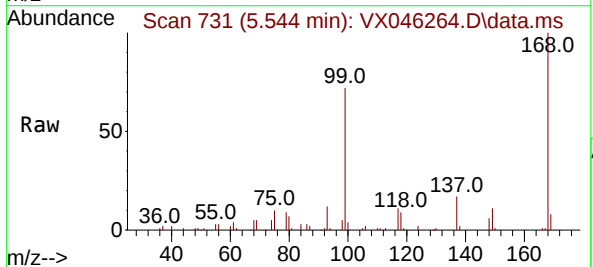
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-2

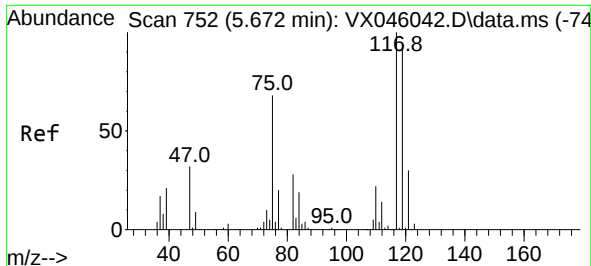
Tgt Ion:113 Resp: 43878
Ion Ratio Lower Upper
113 100
111 104.7 83.1 124.7
192 17.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.138 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

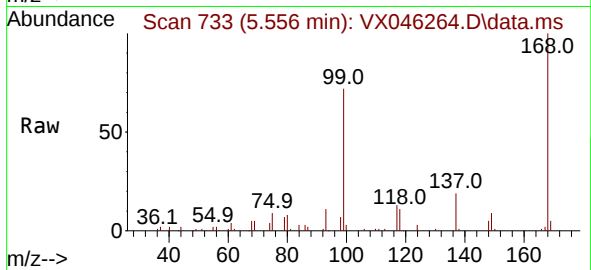
Tgt Ion: 75 Resp: 5821
Ion Ratio Lower Upper
75 100
110 7.6 16.3 48.9#
77 0.0 24.3 36.5#



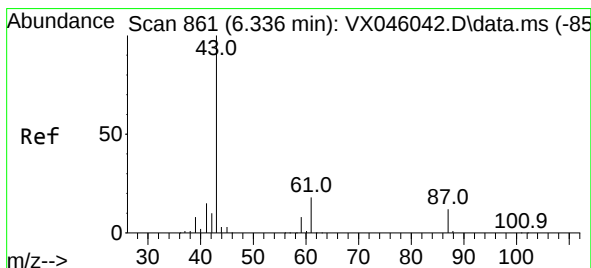
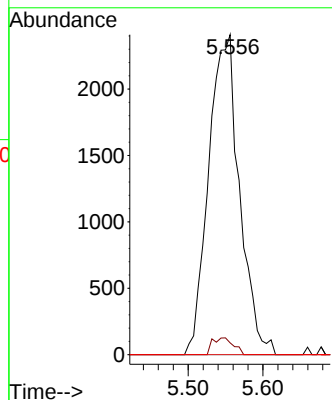
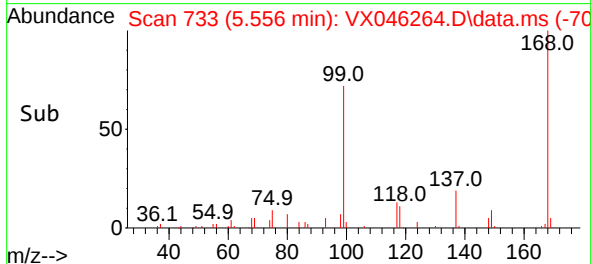


#38
Carbon Tetrachloride
Concen: 5.426 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.116 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

Instrument :
MSVOA_X
ClientSampleId :
L1-WC-2

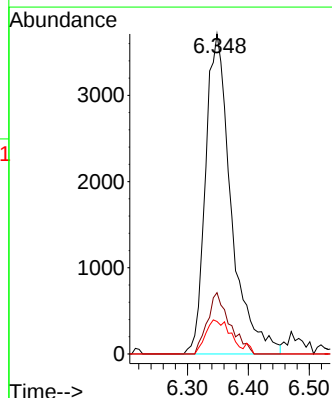
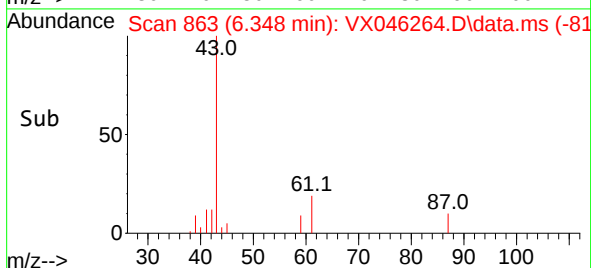
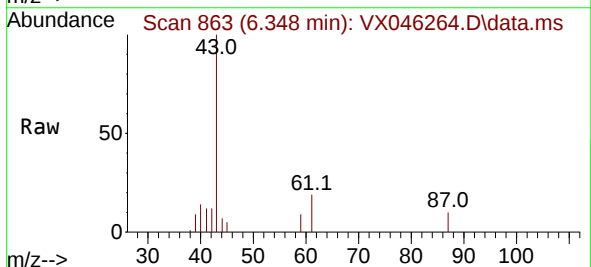


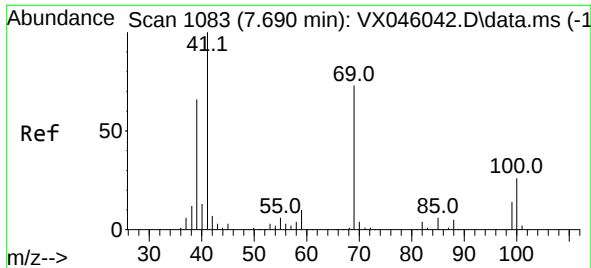
Tgt Ion:117 Resp: 6907
Ion Ratio Lower Upper
117 100
119 3.7 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 5.085 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

Tgt Ion: 43 Resp: 10859
Ion Ratio Lower Upper
43 100
61 16.7 14.3 21.5
87 10.2 9.5 14.3

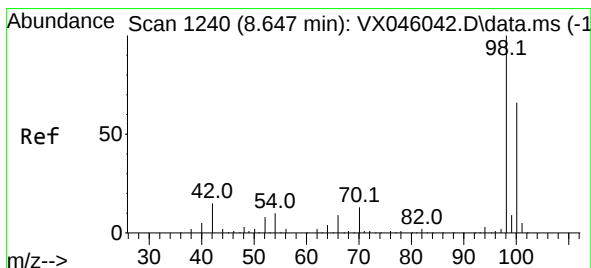
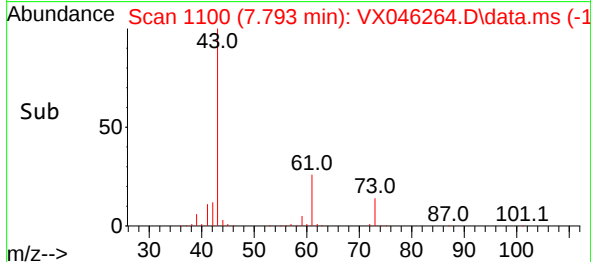
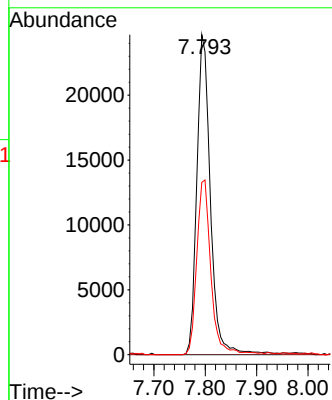
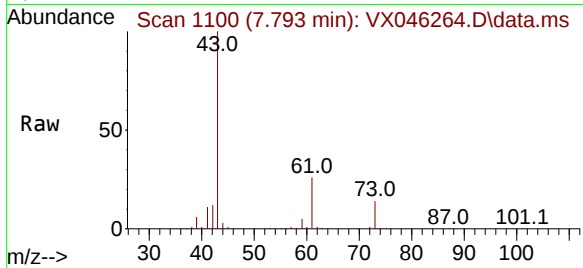




#48
Methyl methacrylate
Concen: 41.556 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

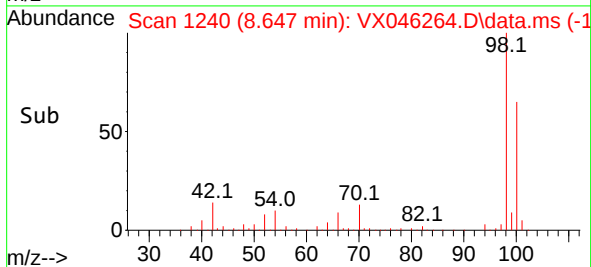
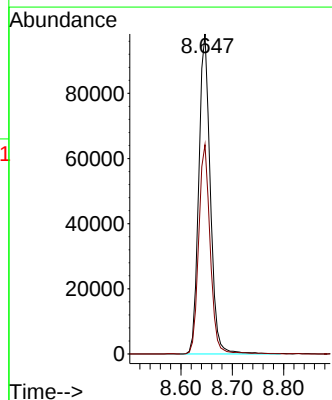
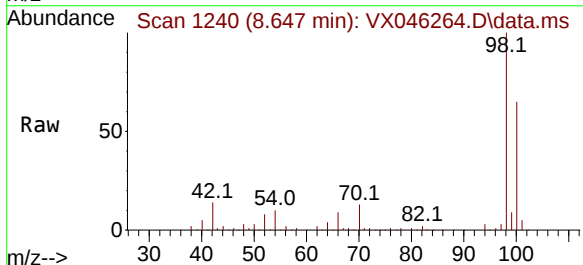
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-2

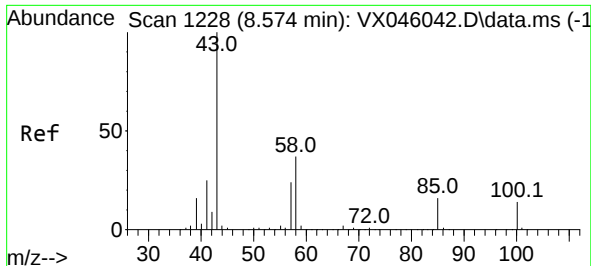
Tgt Ion: 41 Resp: 45320
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.9 51.7 77.5



#50
Toluene-d8
Concen: 52.467 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

Tgt Ion: 98 Resp: 153123
Ion Ratio Lower Upper
98 100
100 65.4 53.5 80.3

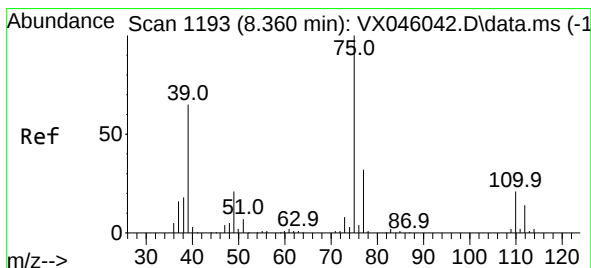
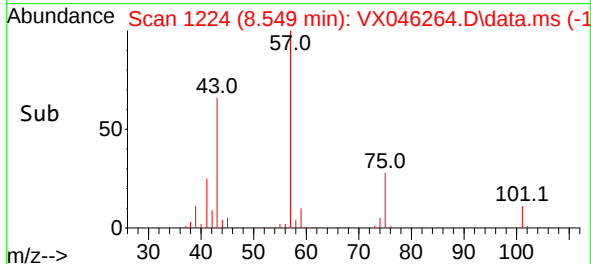
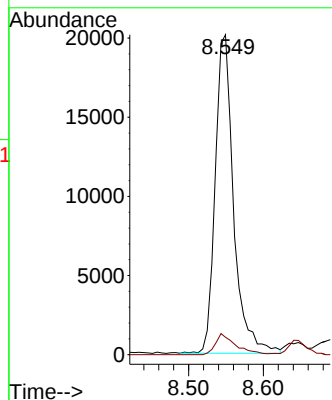
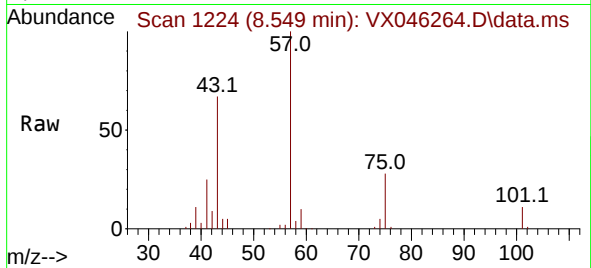




#51
4-Methyl-2-Pentanone
Concen: 24.258 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

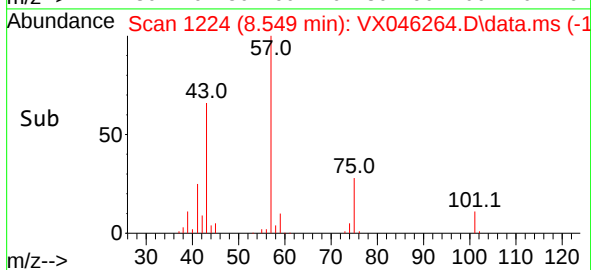
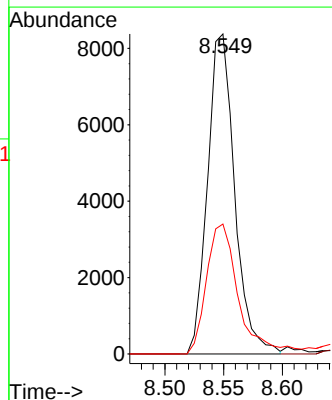
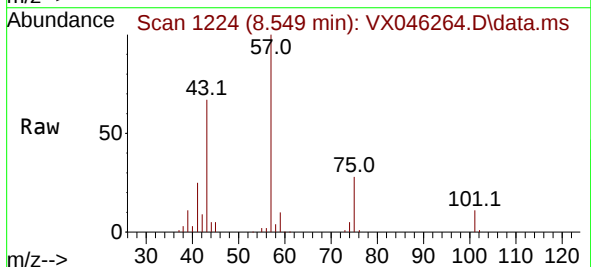
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-2

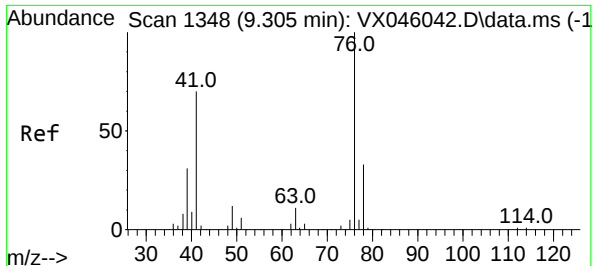
Tgt Ion: 43 Resp: 34384
Ion Ratio Lower Upper
43 100
58 7.3 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 10.675 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

Tgt Ion: 75 Resp: 13443
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 40.6 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.883 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046264.D

Acq: 19 May 2025 13:50

Instrument :

MSVOA_X

ClientSampleId :

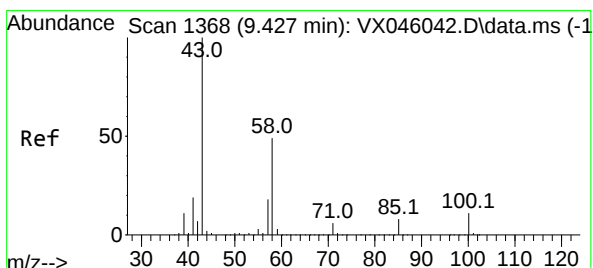
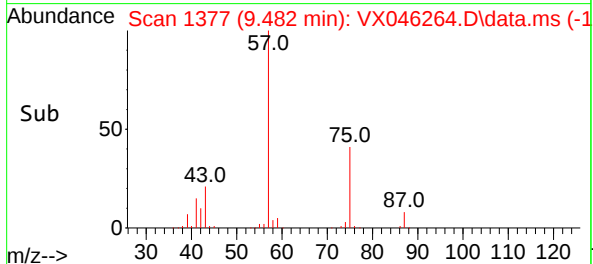
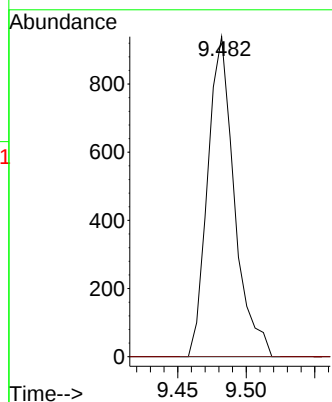
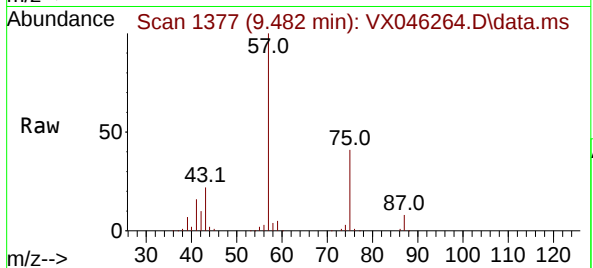
L1-WC-2

Tgt Ion: 76 Resp: 1272

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 10.906 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046264.D

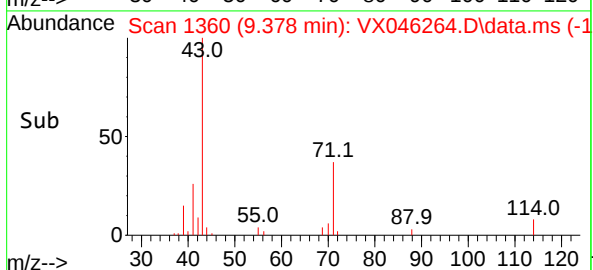
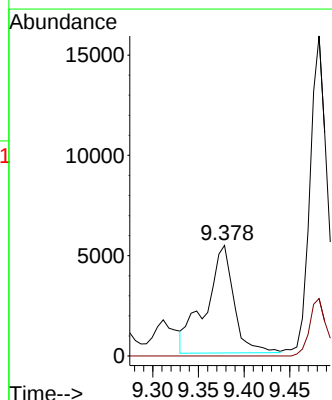
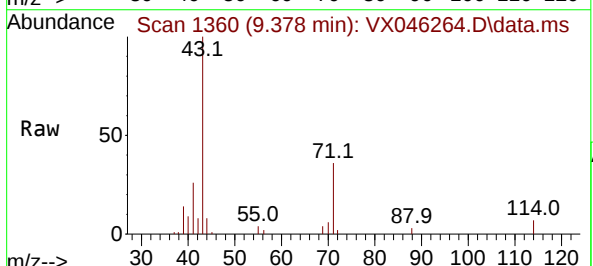
Acq: 19 May 2025 13:50

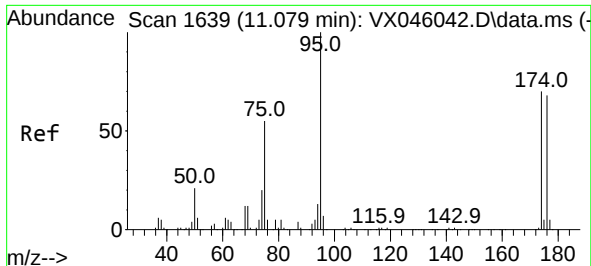
Tgt Ion: 43 Resp: 11437

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

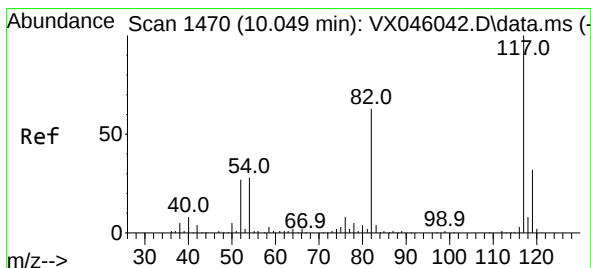
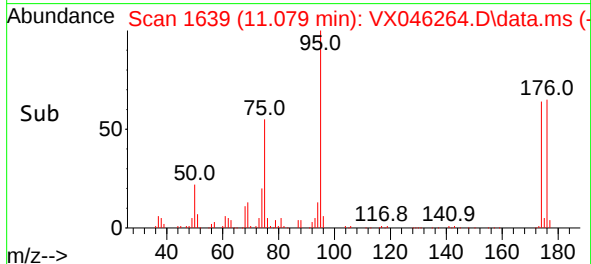
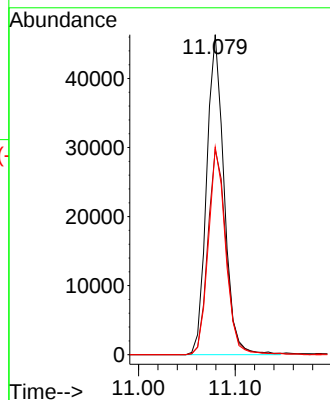
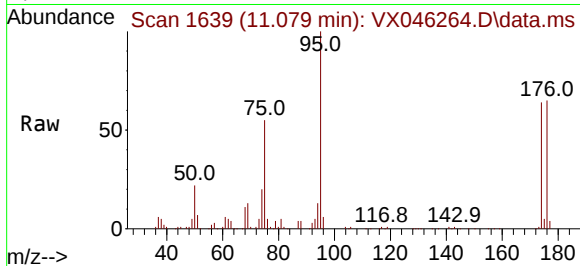




#62
4-Bromofluorobenzene
Concen: 51.898 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

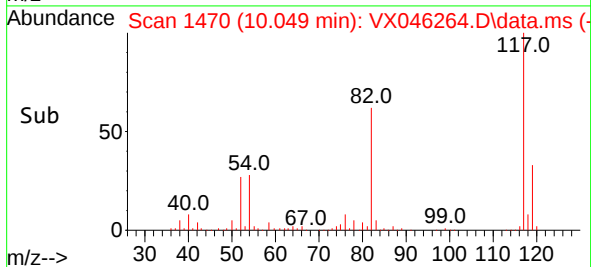
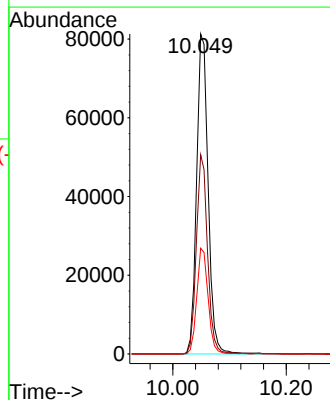
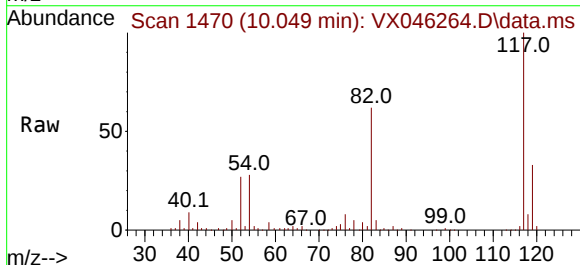
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-2

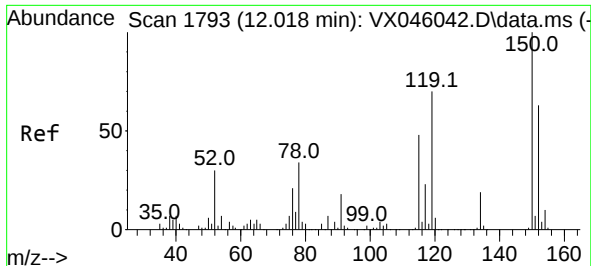
Tgt Ion: 95 Resp: 58099
Ion Ratio Lower Upper
95 100
174 67.6 0.0 135.8
176 64.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046264.D
Acq: 19 May 2025 13:50

Tgt Ion: 117 Resp: 114687
Ion Ratio Lower Upper
117 100
82 62.2 50.6 76.0
119 33.1 25.8 38.6

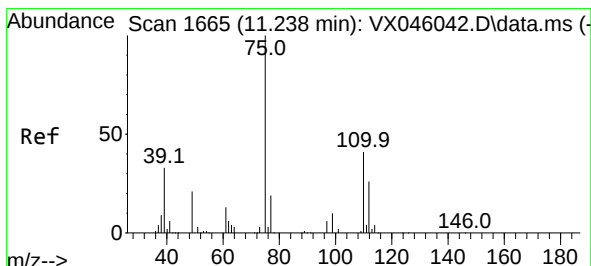
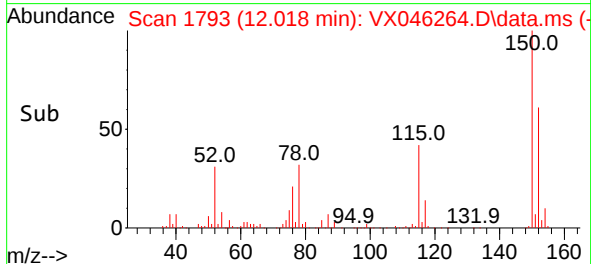
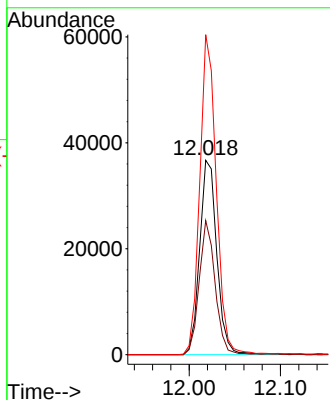
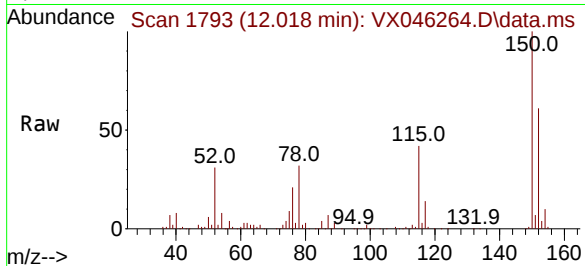




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046264.D
 Acq: 19 May 2025 13:50

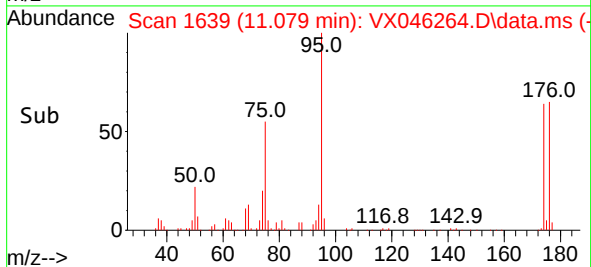
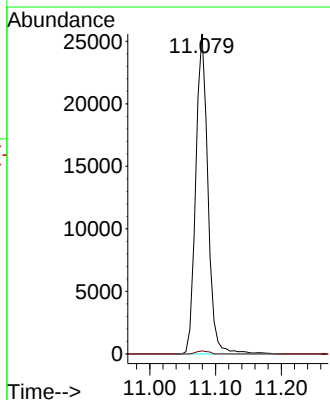
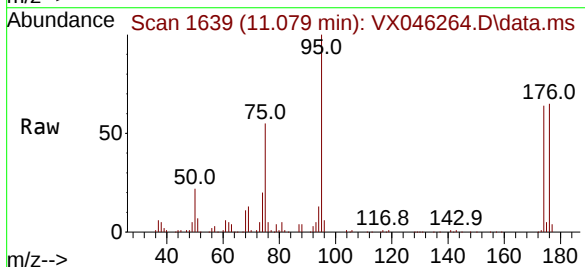
Instrument :
 MSVOA_X
 ClientSampleId :
 L1-WC-2

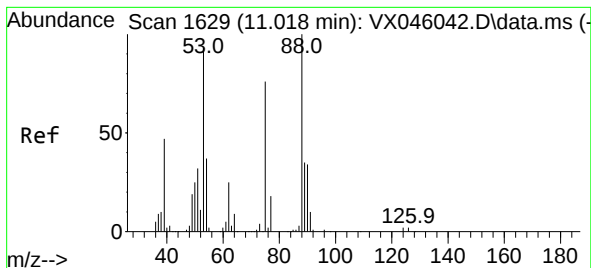
Tgt Ion:152 Resp: 47889
 Ion Ratio Lower Upper
 152 100
 115 64.0 46.9 140.7
 150 159.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 28.600 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046264.D
 Acq: 19 May 2025 13:50

Tgt Ion: 75 Resp: 32968
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.5 61.5#

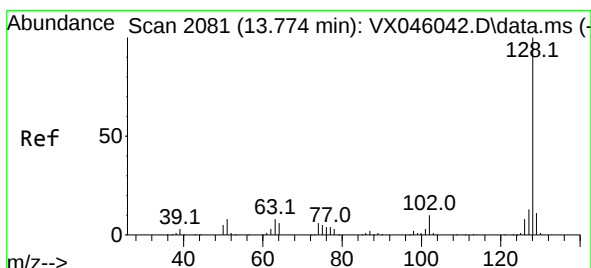
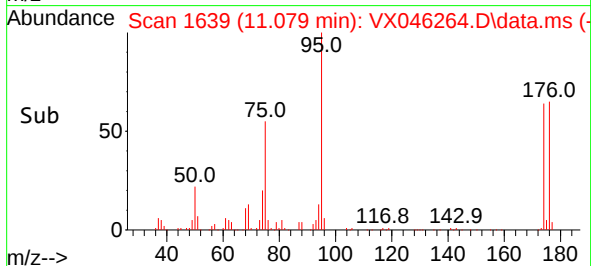
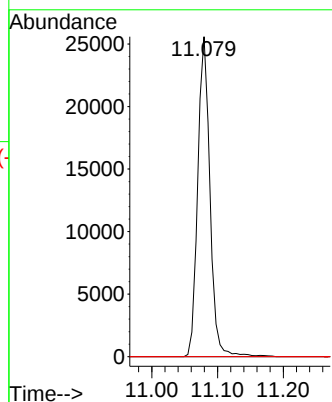
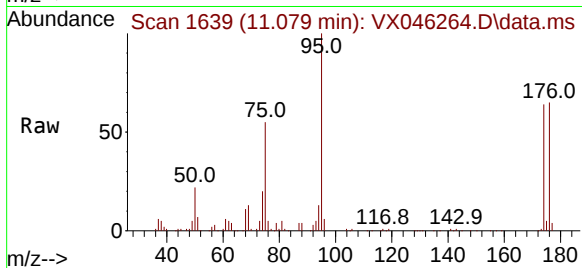




#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.114 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX046264.D
 Acq: 19 May 2025 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 L1-WC-2

Tgt Ion: 75 Resp: 32968
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#



#95
 Naphthalene
 Concen: 0.213 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX046264.D
 Acq: 19 May 2025 13:50

Tgt Ion: 128 Resp: 712
 Ion Ratio Lower Upper
 128 100
 127 2.8 10.4 15.6#
 129 0.0 8.6 13.0#

