

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060925\
 Data File : VX046582.D
 Acq On : 09 Jun 2025 16:09
 Operator : JC/MD
 Sample : Q2266-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

Quant Time: Jun 10 01:45:46 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

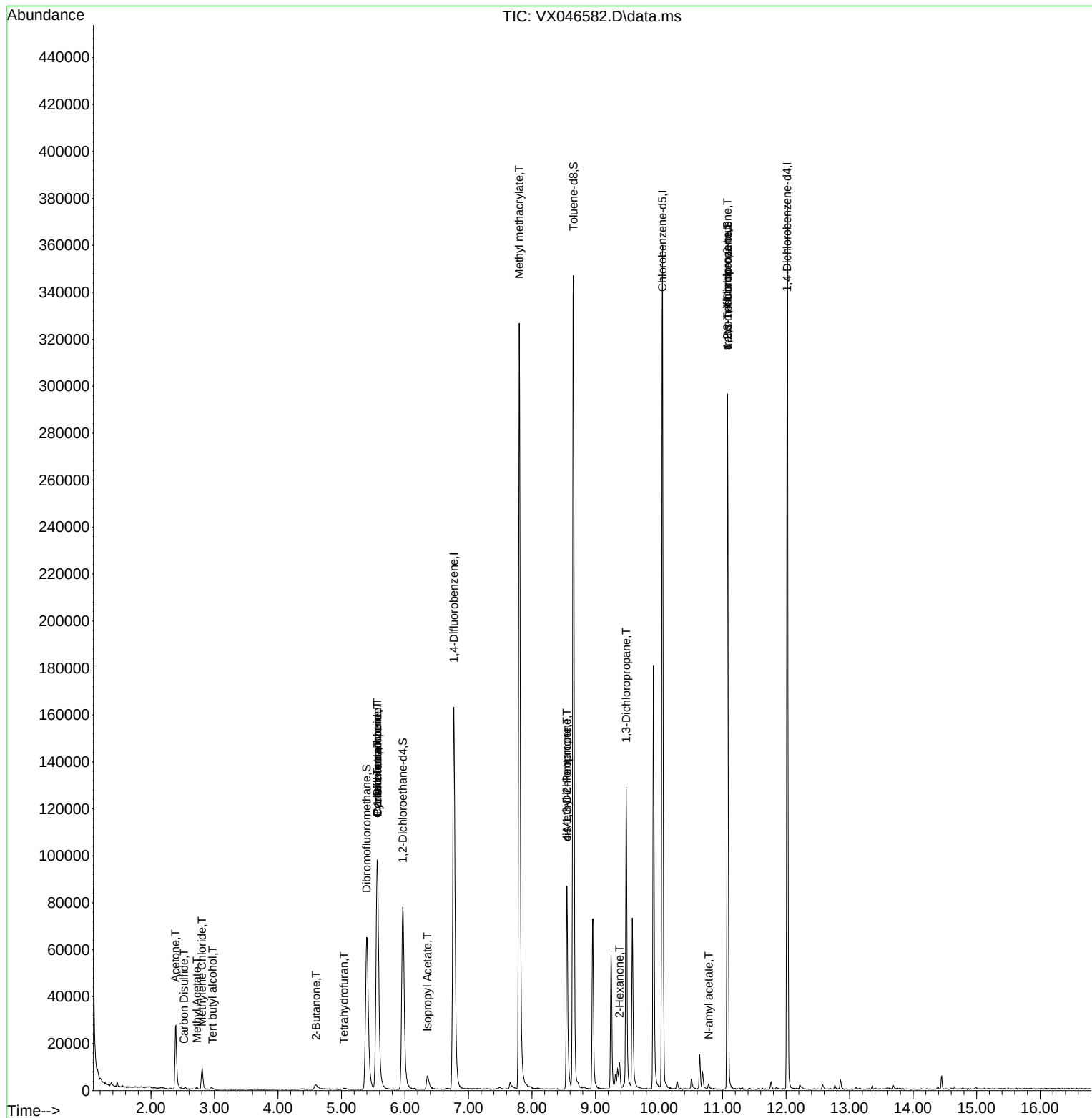
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	91853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	168742	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	84367	51.627	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 103.260%		
35) Dibromofluoromethane	5.397	113	61853	49.844	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.680%		
50) Toluene-d8	8.653	98	208113	50.869	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.740%		
62) 4-Bromofluorobenzene	11.079	95	80258	47.414	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 94.820%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	404	2.228	ug/l	# 72
16) Acetone	2.386	43	34548	57.442	ug/l	# 99
17) Carbon Disulfide	2.520	76	18	0.210	ug/l	# 76
18) Methyl Acetate	2.721	43	1442	0.741	ug/l	# 80
20) Methylene Chloride	2.800	84	4462	3.403	ug/l	# 77
25) 2-Butanone	4.599	43	4725	5.194	ug/l	# 97
29) Tetrahydrofuran	5.038	42	180	0.313	ug/l	# 35
31) Cyclohexane	5.568	56	2441	1.285	ug/l	# 39
36) 1,1-Dichloropropene	5.562	75	8656	4.883	ug/l	# 49
38) Carbon Tetrachloride	5.562	117	10913	5.497	ug/l	# 16
43) Isopropyl Acetate	6.354	43	9561	3.170	ug/l	# 98
48) Methyl methacrylate	7.799	41	32180	20.738	ug/l	# 48
51) 4-Methyl-2-Pentanone	8.549	43	33268	17.358	ug/l	# 53
54) cis-1,3-Dichloropropene	8.549	75	13585	6.840	ug/l	# 54
57) 1,3-Dichloropropane	9.482	76	1157	0.532	ug/l	# 42
59) 2-Hexanone	9.378	43	10959	7.973	ug/l	# 28
74) N-amyl acetate	10.781	43	1602	0.640	ug/l	# 47
76) 1,2,3-Trichloropropane	11.079	75	42652	27.836	ug/l	# 36
81) trans-1,4-Dichloro-2-b...	11.079	75	42652	80.298	ug/l	# 1

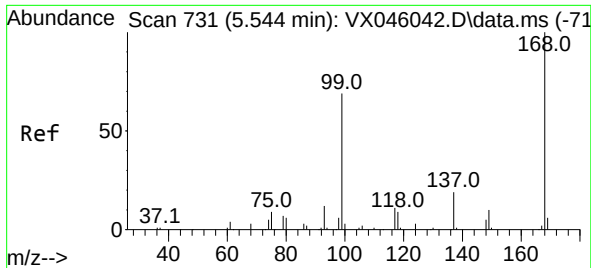
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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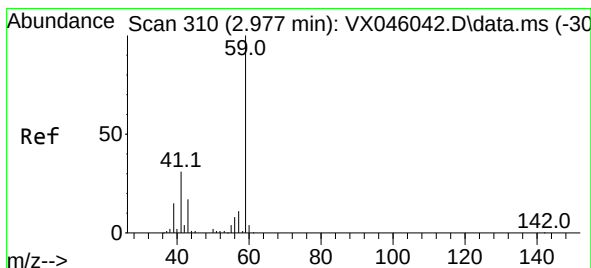
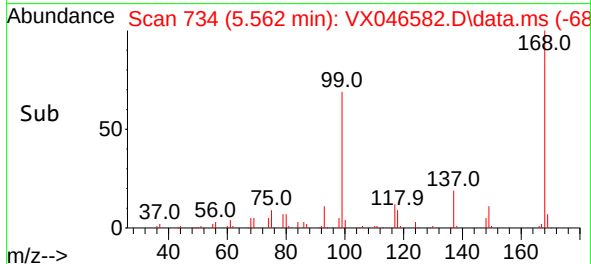
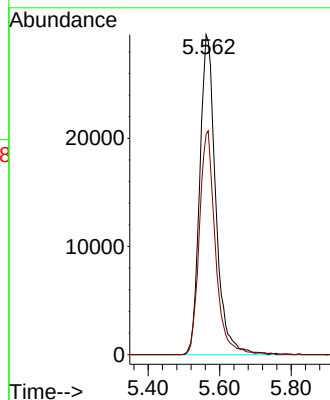
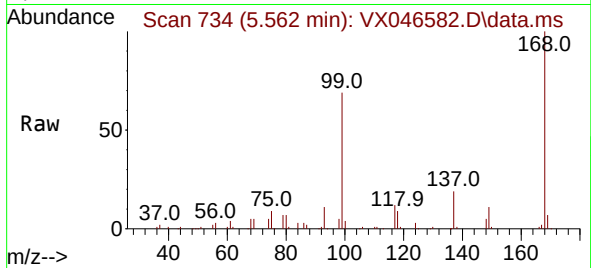




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

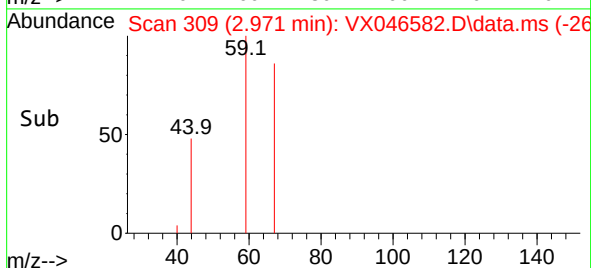
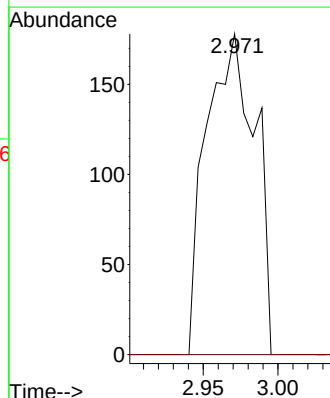
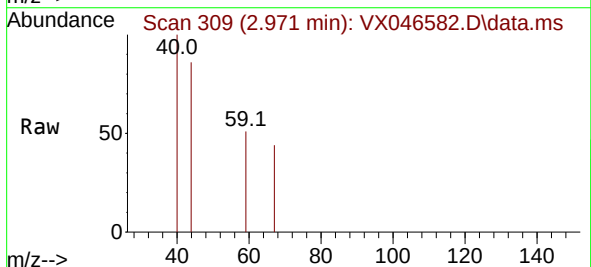
Instrument :
MSVOA_X
ClientSampleId :
WC-3

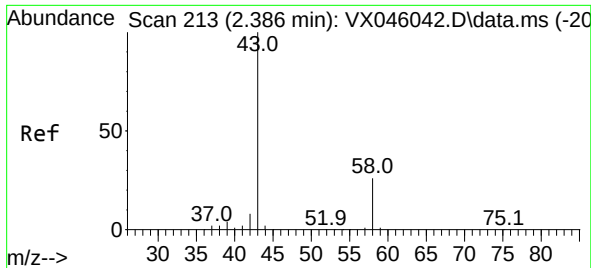
Tgt Ion:168 Resp: 91853
Ion Ratio Lower Upper
168 100
99 68.9 54.9 82.3



#11
Tert butyl alcohol
Concen: 2.228 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.000 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

Tgt Ion: 59 Resp: 404
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

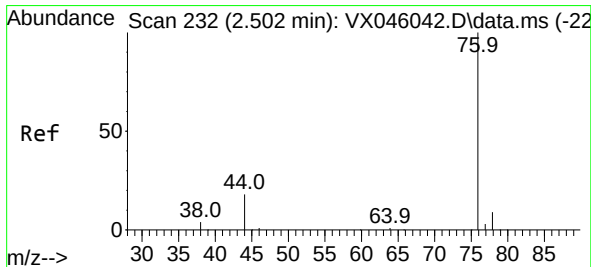
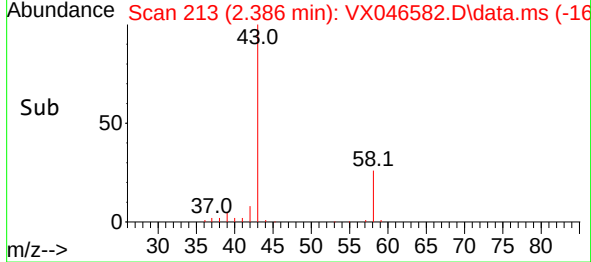
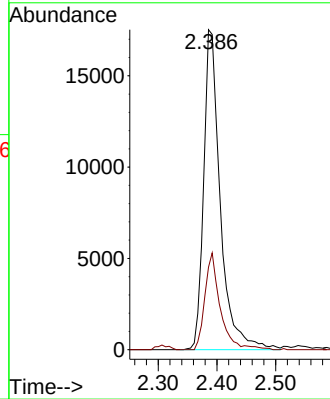
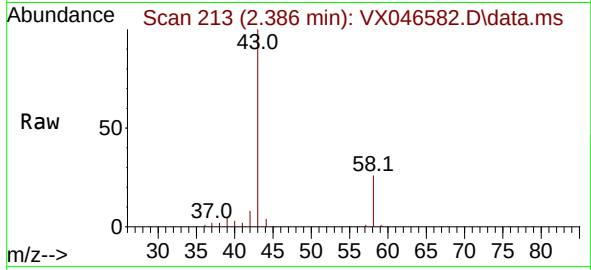




#16
Acetone
Concen: 57.442 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

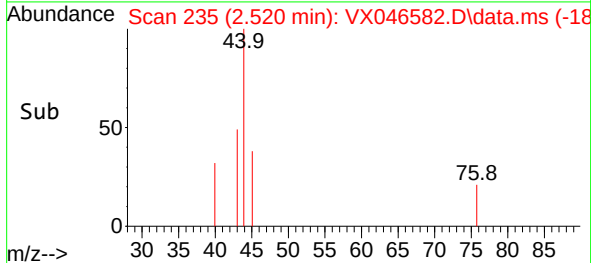
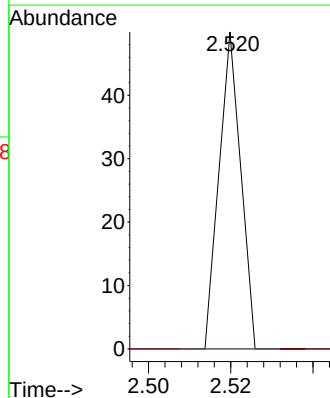
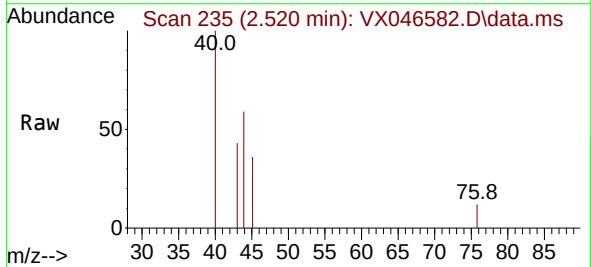
Instrument :
MSVOA_X
ClientSampleId :
WC-3

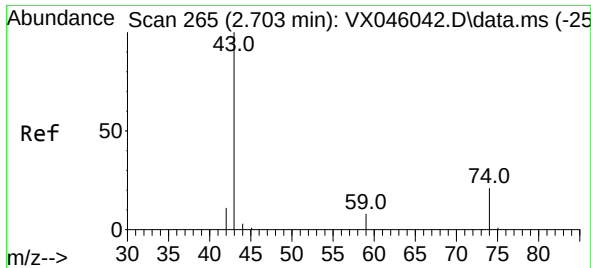
Tgt Ion: 43 Resp: 34548
Ion Ratio Lower Upper
43 100
58 25.8 21.2 31.8



#17
Carbon Disulfide
Concen: 0.210 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.012 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

Tgt Ion: 76 Resp: 18
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

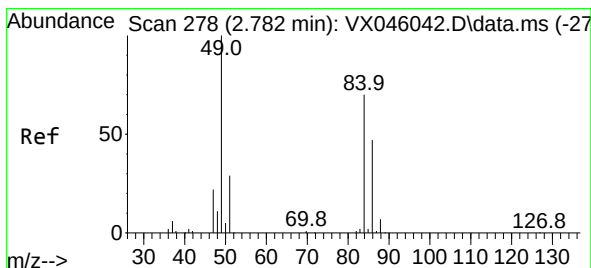
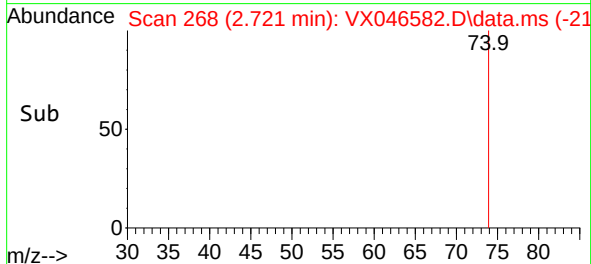
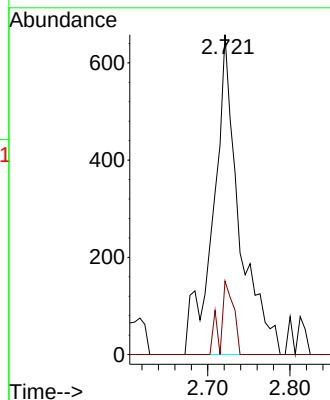
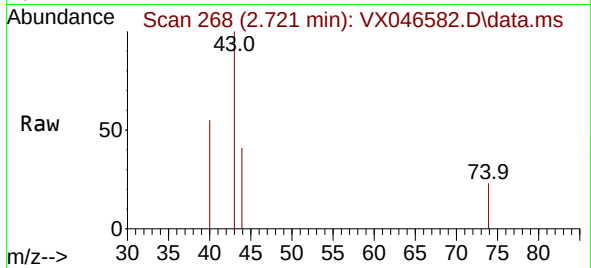




#18
Methyl Acetate
Concen: 0.741 ug/l
RT: 2.721 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

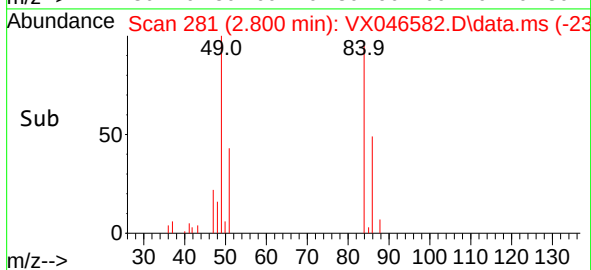
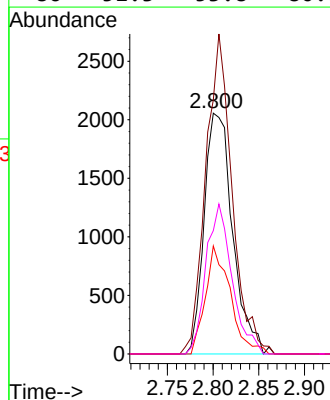
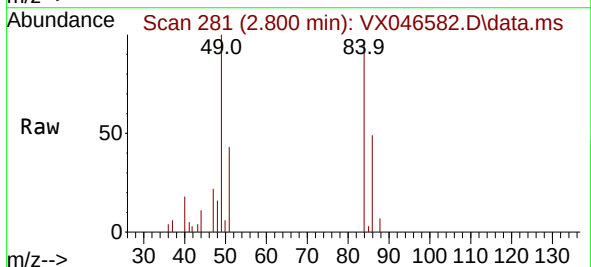
Instrument :
MSVOA_X
ClientSampleId :
WC-3

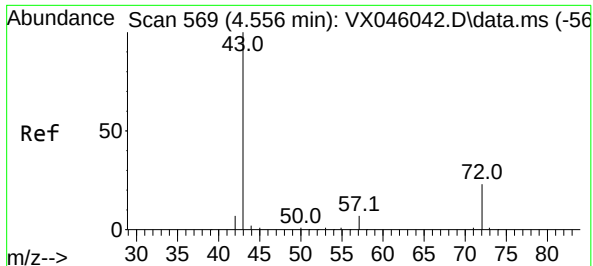
Tgt Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
74 11.4 16.7 25.1#



#20
Methylene Chloride
Concen: 3.403 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

Tgt Ion: 84 Resp: 4462
Ion Ratio Lower Upper
84 100
49 105.5 113.9 170.9#
51 44.9 33.5 50.3
86 51.3 53.8 80.8#





#25

2-Butanone

Concen: 5.194 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX046582.D

Acq: 09 Jun 2025 16:09

Instrument :

MSVOA_X

ClientSampleId :

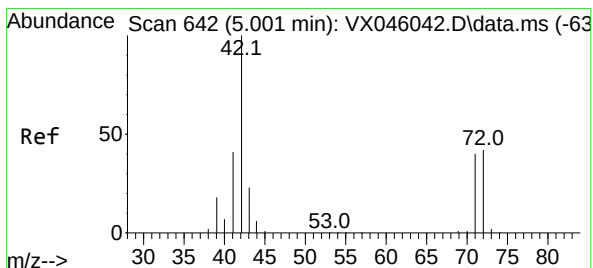
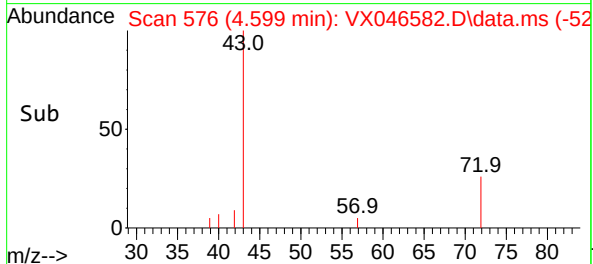
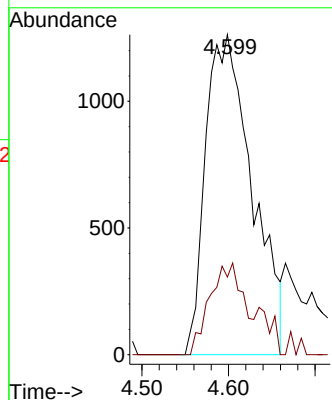
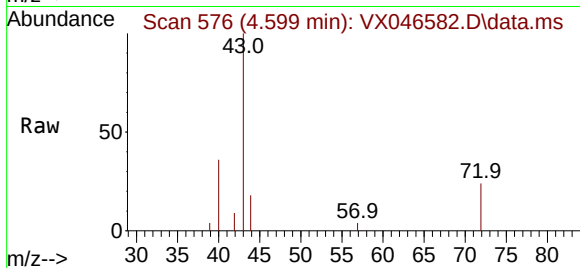
WC-3

Tgt Ion: 43 Resp: 4725

Ion Ratio Lower Upper

43 100

72 24.2 18.4 27.6



#29

Tetrahydrofuran

Concen: 0.313 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX046582.D

Acq: 09 Jun 2025 16:09

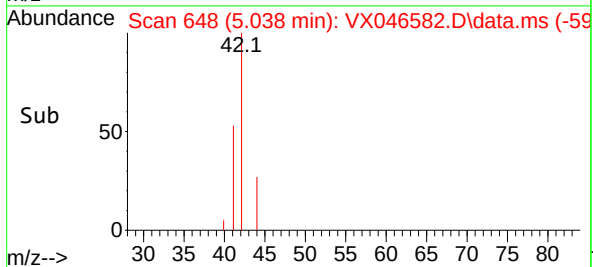
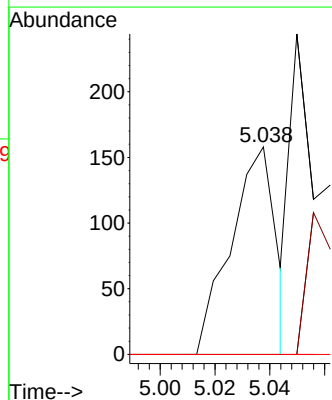
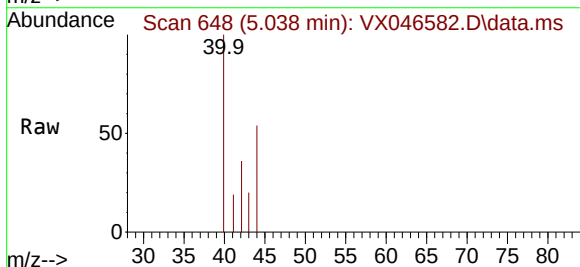
Tgt Ion: 42 Resp: 180

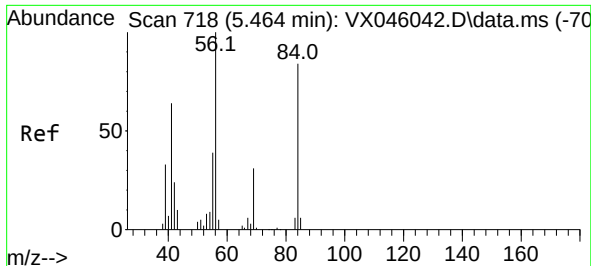
Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#

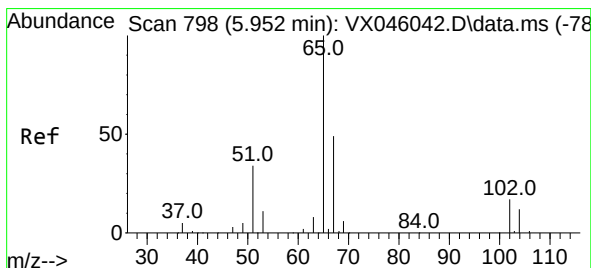
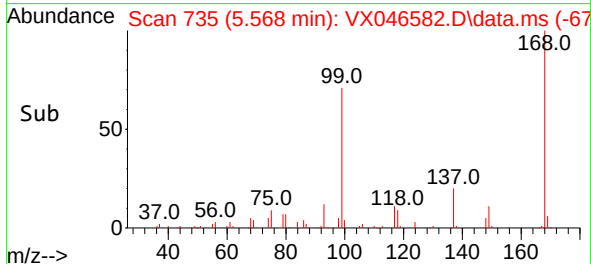
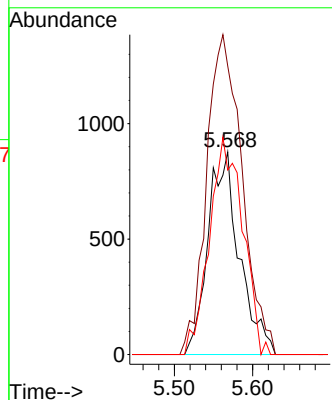
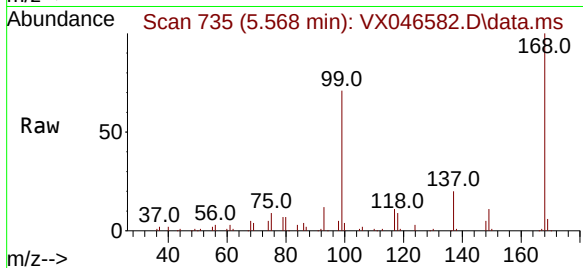




#31
Cyclohexane
Concen: 1.285 ug/l
RT: 5.568 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

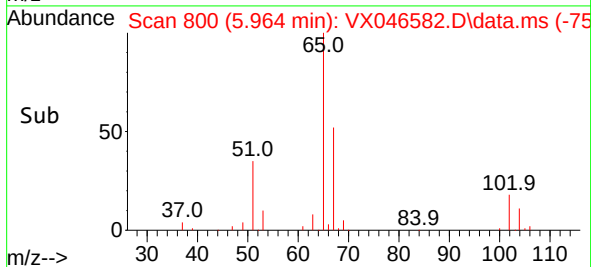
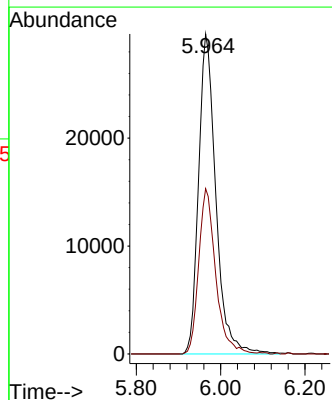
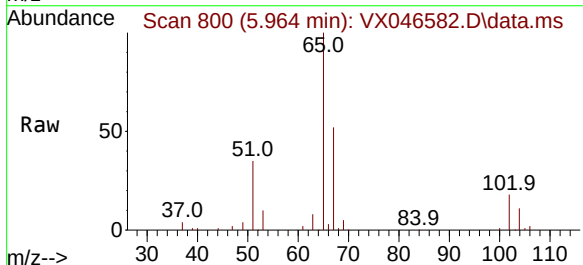
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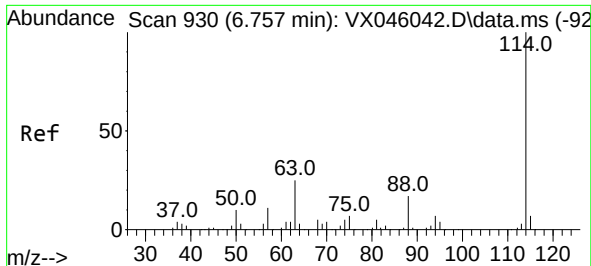
Tgt Ion: 56 Resp: 2441
Ion Ratio Lower Upper
56 100
69 142.5 24.4 36.6#
84 91.1 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 51.627 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

Tgt Ion: 65 Resp: 84367
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.0

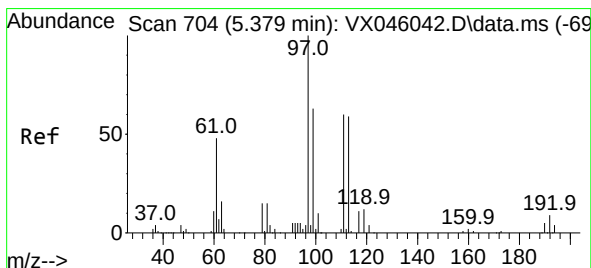
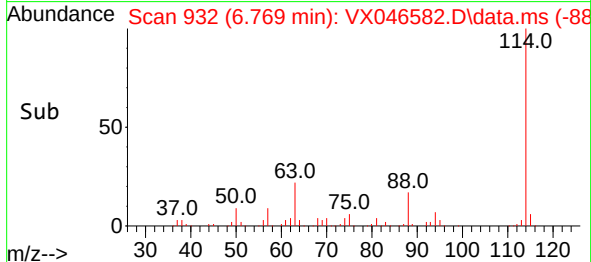
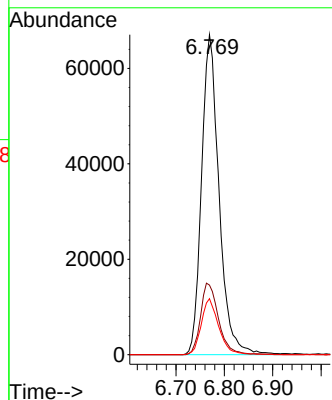
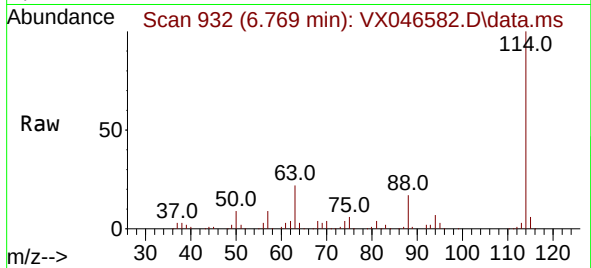




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX046582.D
 Acq: 09 Jun 2025 16:09

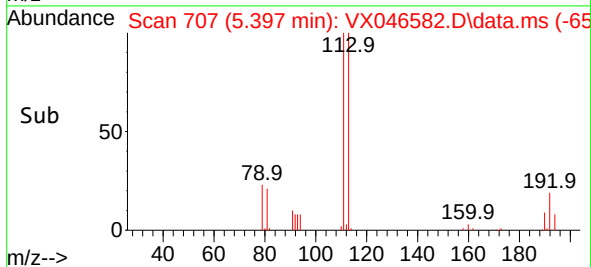
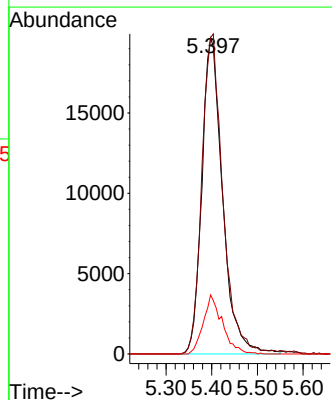
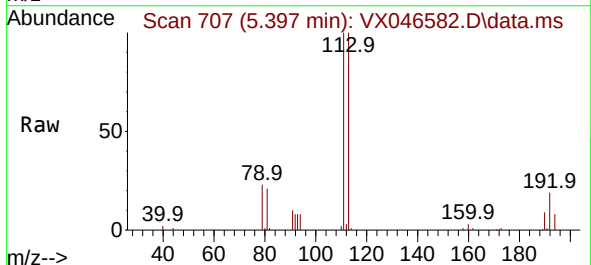
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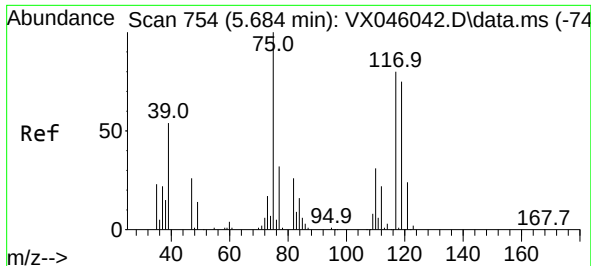
Tgt Ion:114 Resp: 168742
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 49.2
 88 17.5 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 49.844 ug/l
 RT: 5.397 min Scan# 707
 Delta R.T. -0.006 min
 Lab File: VX046582.D
 Acq: 09 Jun 2025 16:09

Tgt Ion:113 Resp: 61853
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.1 124.7
 192 17.3 13.3 19.9

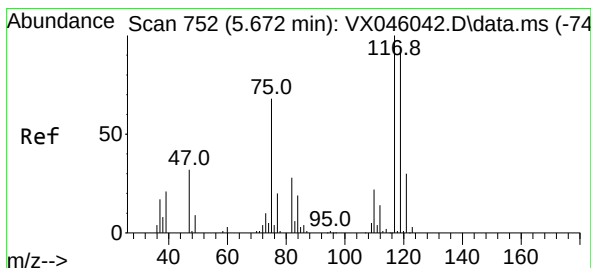
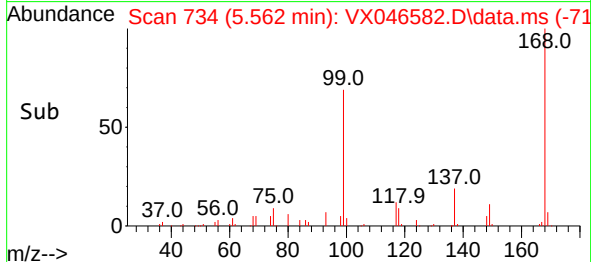
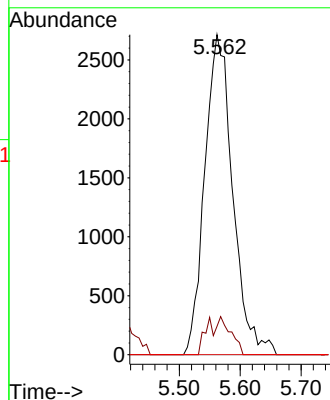
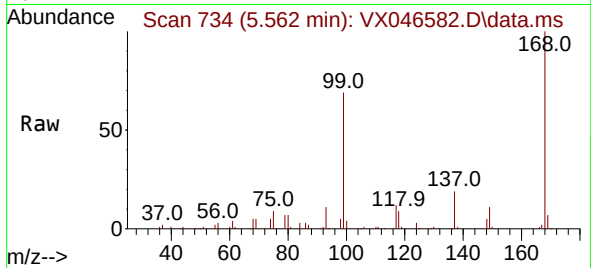




#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

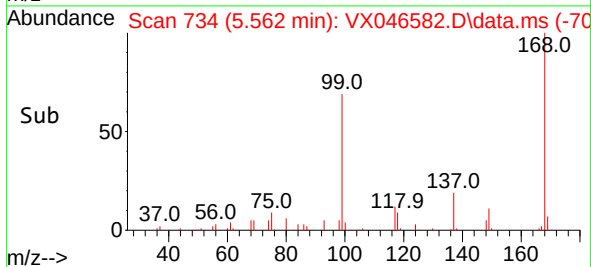
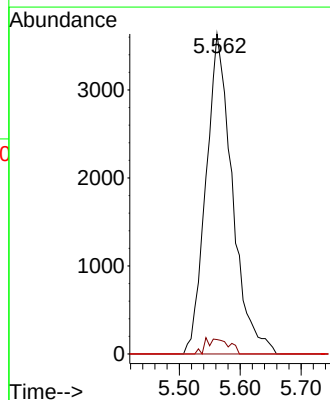
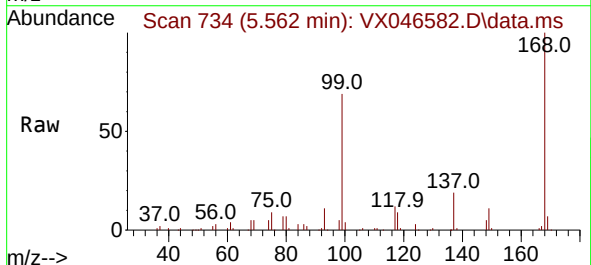
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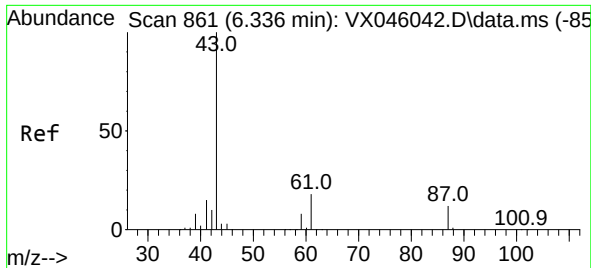
Tgt Ion: 75 Resp: 8656
Ion Ratio Lower Upper
75 100
110 6.1 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.497 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

Tgt Ion: 117 Resp: 10913
Ion Ratio Lower Upper
117 100
119 4.5 75.2 112.8#
121 0.0 24.2 36.4#

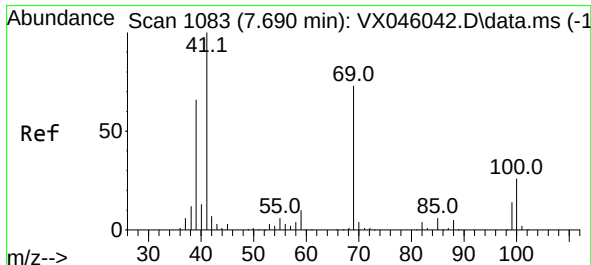
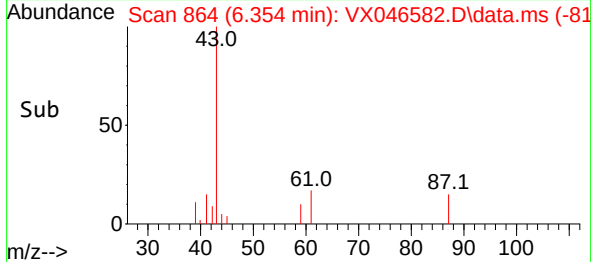
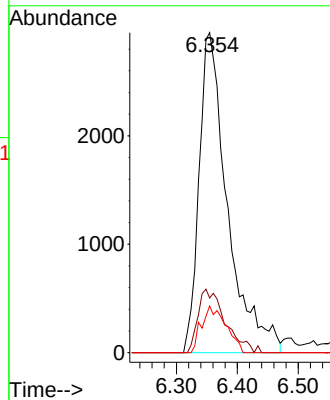
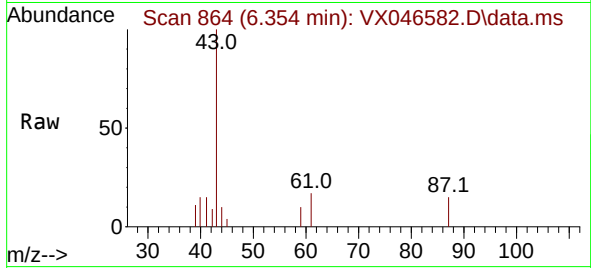




#43
Isopropyl Acetate
Concen: 3.170 ug/l
RT: 6.354 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

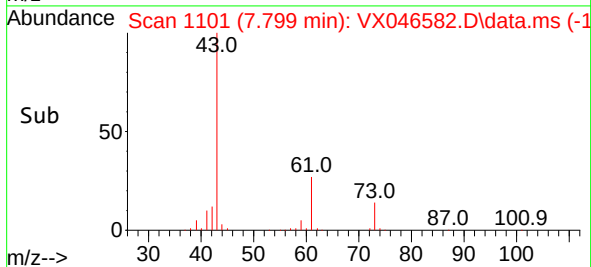
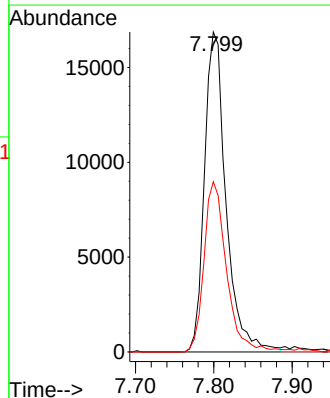
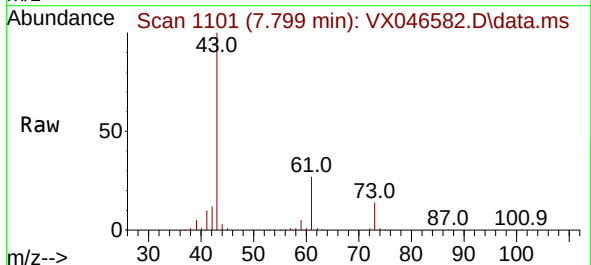
Instrument :
MSVOA_X
ClientSampleId :
WC-3

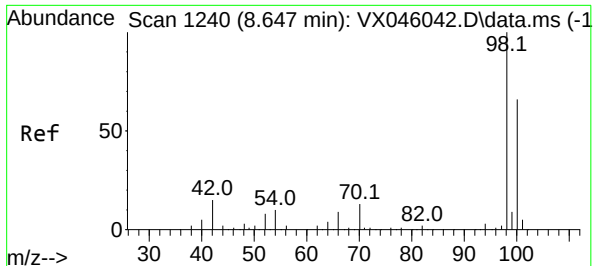
Tgt Ion: 43 Resp: 9561
Ion Ratio Lower Upper
43 100
61 19.0 14.3 21.5
87 12.5 9.5 14.3



#48
Methyl methacrylate
Concen: 20.738 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

Tgt Ion: 41 Resp: 32180
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 55.6 51.7 77.5

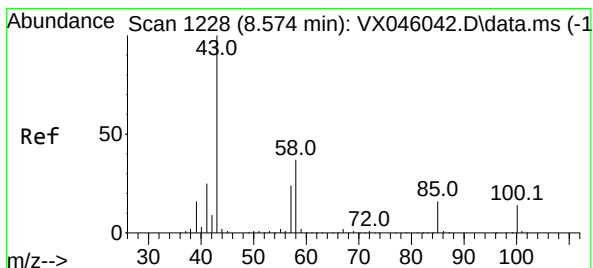
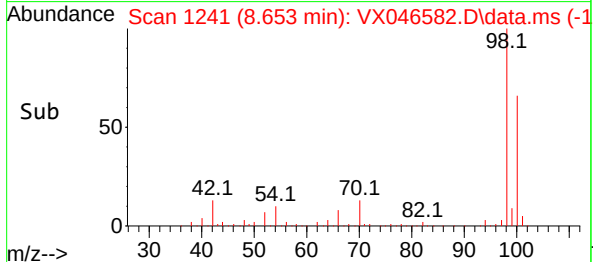
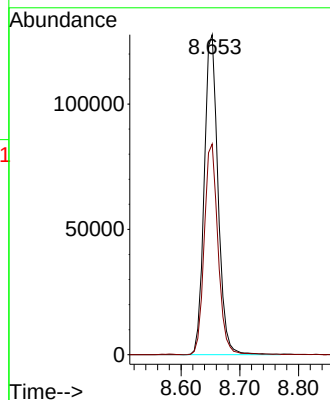
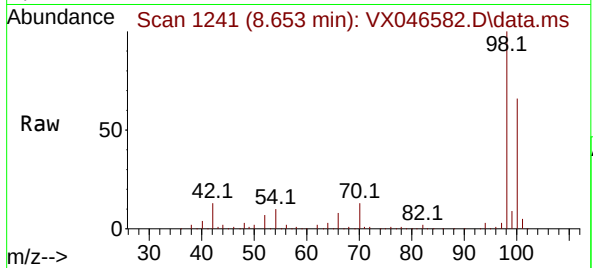




#50
Toluene-d8
Concen: 50.869 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

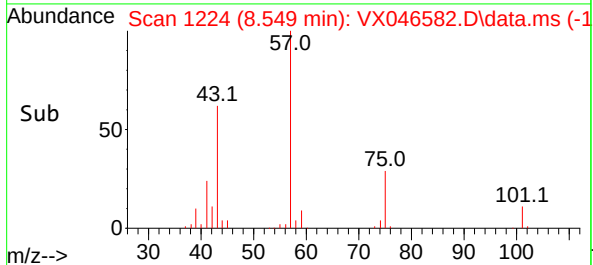
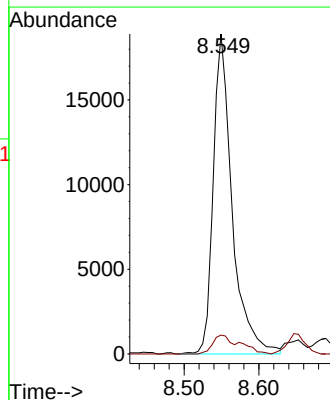
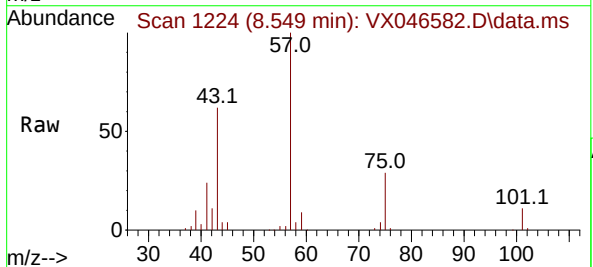
Instrument :
MSVOA_X
ClientSampleId :
WC-3

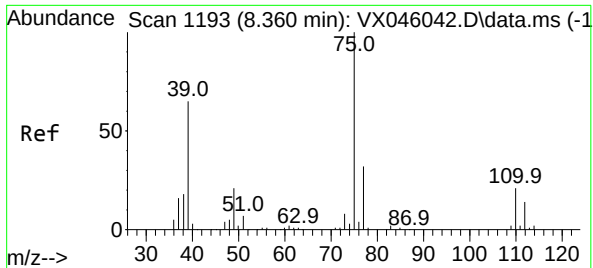
Tgt Ion: 98 Resp: 208113
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 17.358 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

Tgt Ion: 43 Resp: 33268
Ion Ratio Lower Upper
43 100
58 8.4 28.9 43.3#

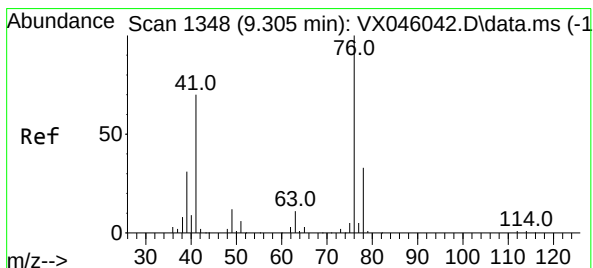
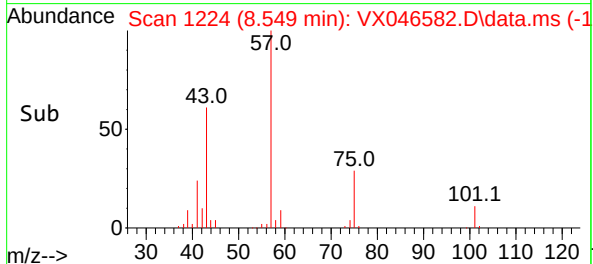
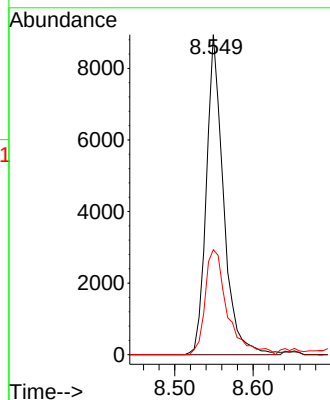
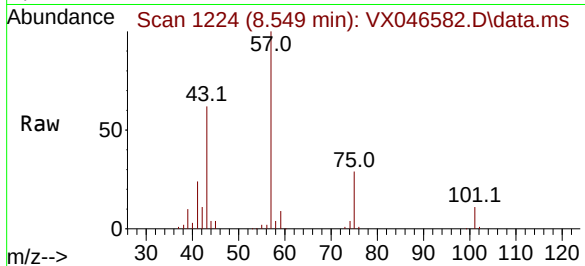




#54
 cis-1,3-Dichloropropene
 Concen: 6.840 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.177 min
 Lab File: VX046582.D
 Acq: 09 Jun 2025 16:09

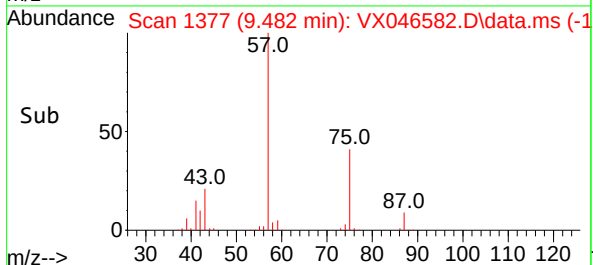
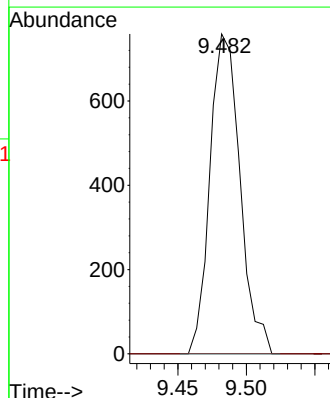
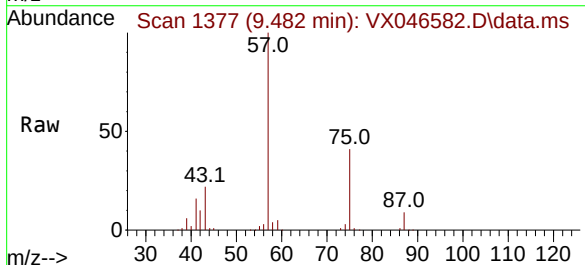
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

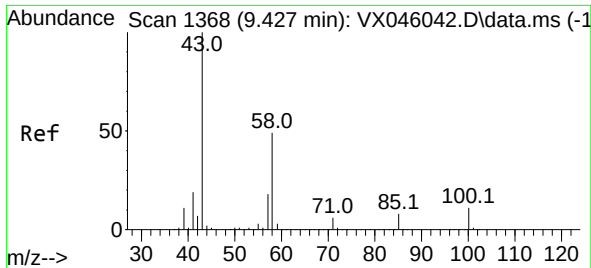
Tgt Ion: 75 Resp: 13585
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 32.8 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.532 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX046582.D
 Acq: 09 Jun 2025 16:09

Tgt Ion: 76 Resp: 1157
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

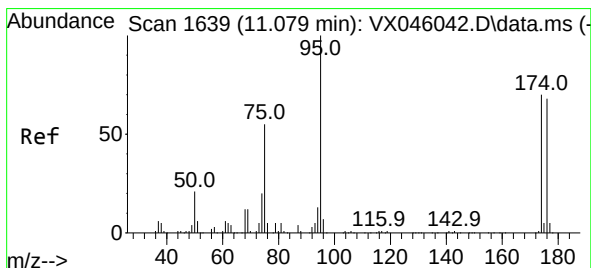
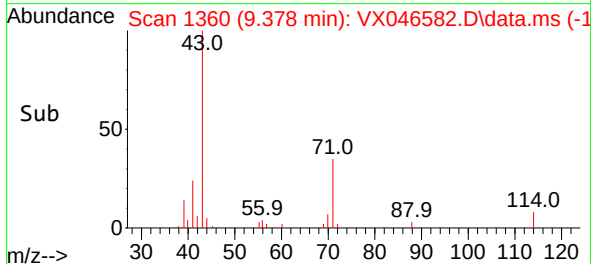
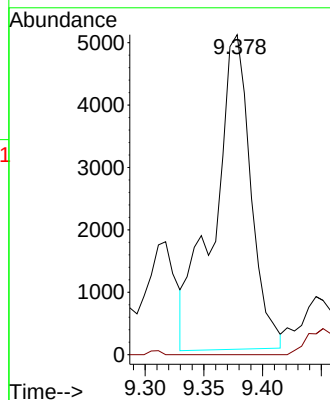
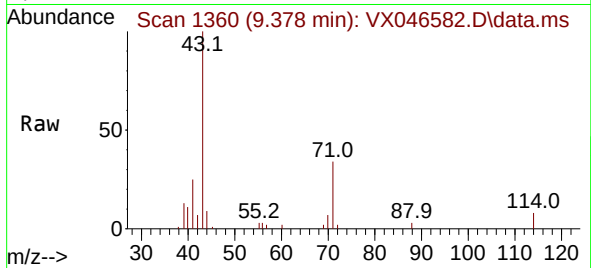




#59
2-Hexanone
Concen: 7.973 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

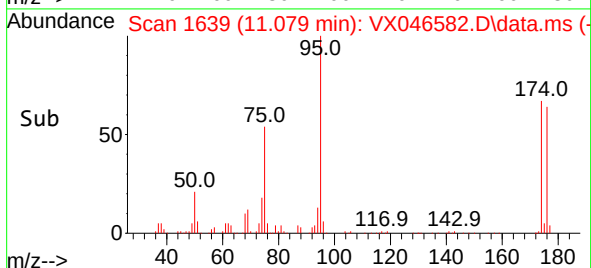
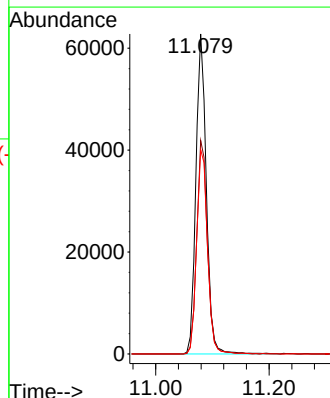
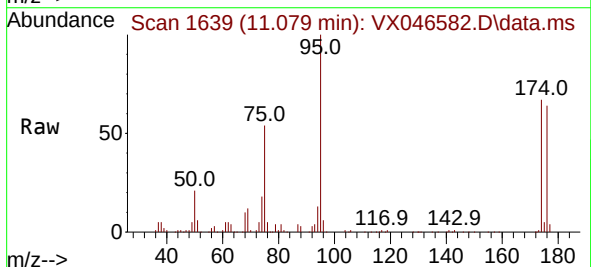
Instrument :
MSVOA_X
ClientSampleId :
WC-3

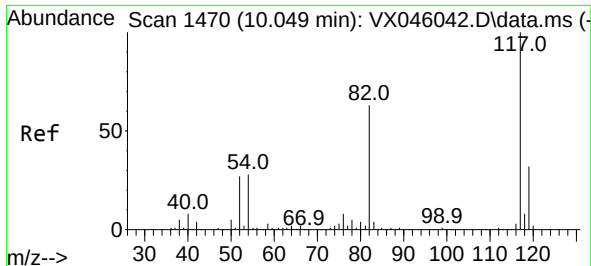
Tgt Ion: 43 Resp: 10959
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 47.414 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

Tgt Ion: 95 Resp: 80258
Ion Ratio Lower Upper
95 100
174 68.2 0.0 135.8
176 66.6 0.0 131.4

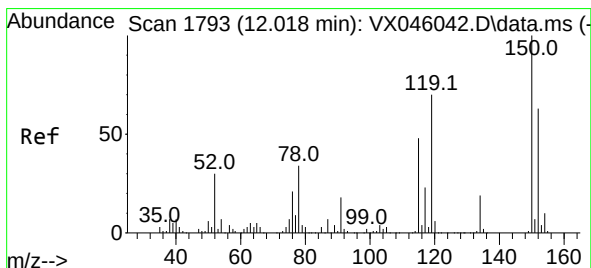
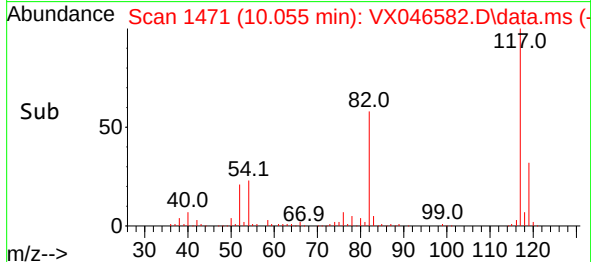
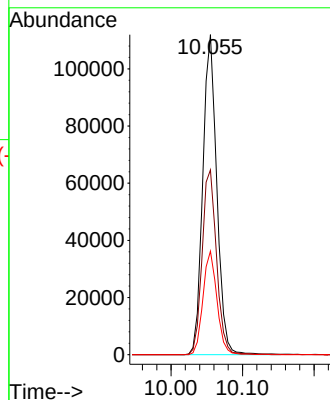
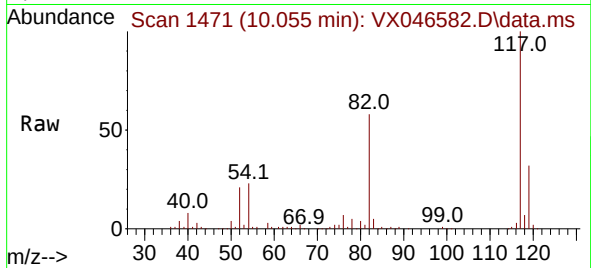




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

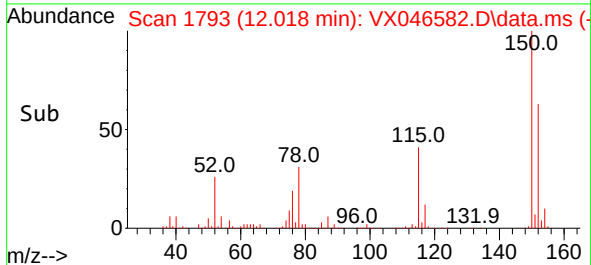
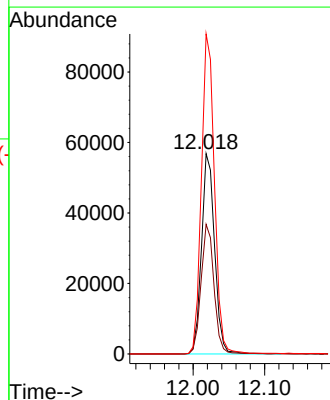
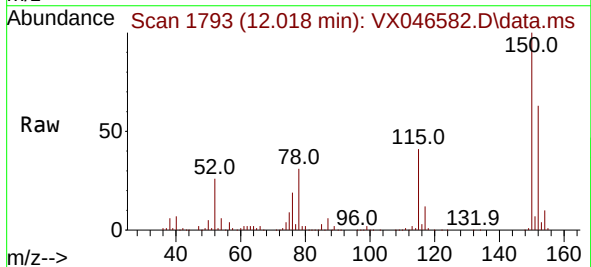
Instrument :
MSVOA_X
ClientSampleId :
WC-3

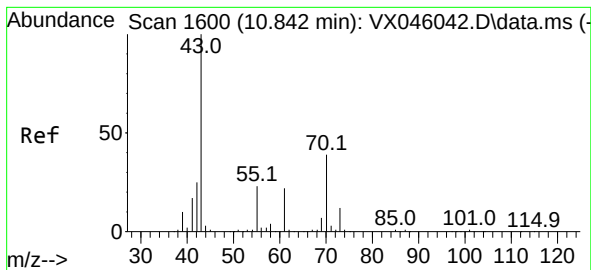
Tgt Ion:117 Resp: 152418
Ion Ratio Lower Upper
117 100
82 57.7 50.6 76.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046582.D
Acq: 09 Jun 2025 16:09

Tgt Ion:152 Resp: 72339
Ion Ratio Lower Upper
152 100
115 63.9 46.9 140.7
150 159.3 0.0 351.0





#74

N-amy1 acetate

Concen: 0.640 ug/l

RT: 10.781 min Scan# 1602

Delta R.T. -0.060 min

Lab File: VX046582.D

Acq: 09 Jun 2025 16:09

Instrument :

MSVOA_X

ClientSampleId :

WC-3

Tgt Ion: 43 Resp: 1602

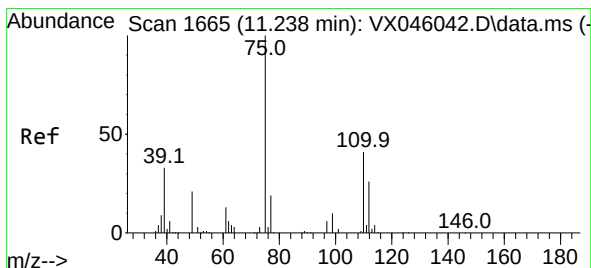
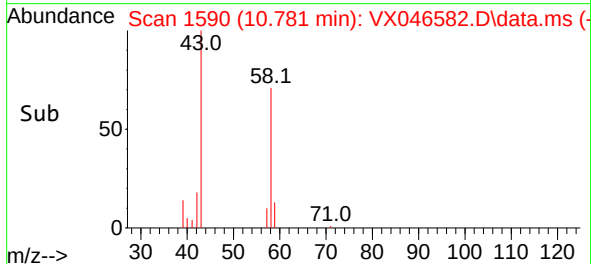
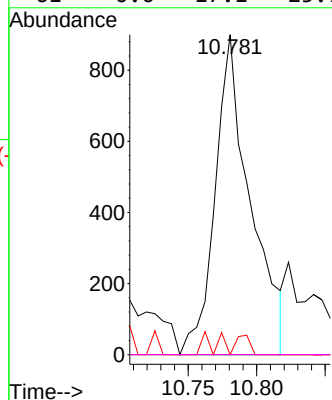
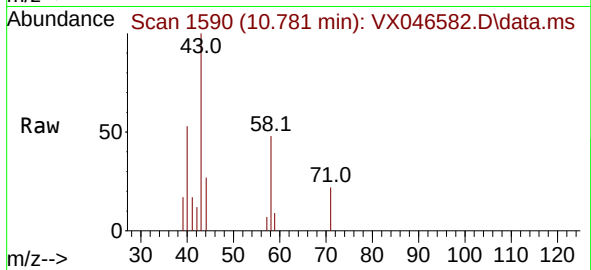
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 2.4 18.7 28.1#

61 0.0 17.1 25.7#



#76

1,2,3-Trichloropropane

Concen: 27.836 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046582.D

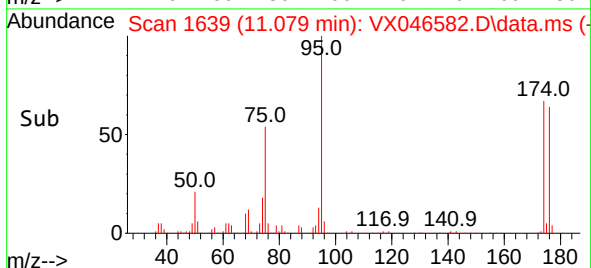
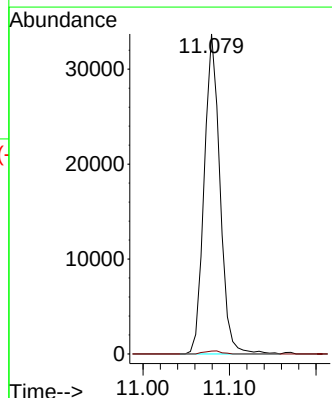
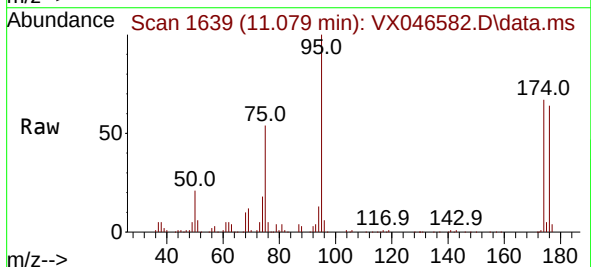
Acq: 09 Jun 2025 16:09

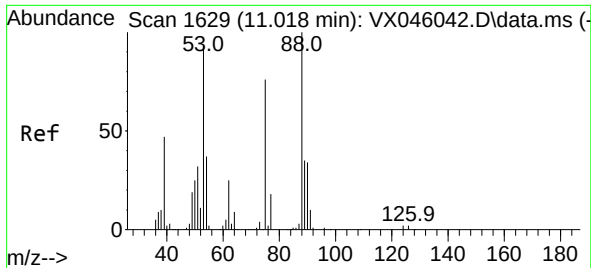
Tgt Ion: 75 Resp: 42652

Ion Ratio Lower Upper

75 100

77 1.0 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.298 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046582.D
 Acq: 09 Jun 2025 16:09

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

Tgt Ion: 75 Resp: 42652
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

