

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046268.D
 Acq On : 19 May 2025 15:24
 Operator : JC/MD
 Sample : Q2062-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 L1-WC-6

Quant Time: May 19 23:12:14 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

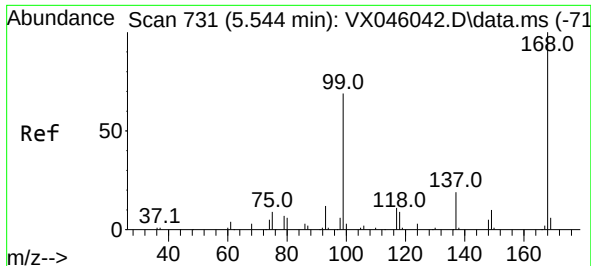
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	58371	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	118055	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	113715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59943	55.083	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.160%			
35) Dibromofluoromethane	5.385	113	43948	51.696	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.400%			
50) Toluene-d8	8.647	98	150397	51.114	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.220%			
62) 4-Bromofluorobenzene	11.079	95	55985	49.603	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.200%			
Target Compounds					Qvalue	
6) Chloroethane	1.666	64	223	0.518	ug/l #	44
11) Tert butyl alcohol	2.971	59	151	0.989	ug/l #	72
13) Acrolein	2.233	56	185	1.063	ug/l #	27
16) Acetone	2.386	43	43583	99.886	ug/l	98
17) Carbon Disulfide	2.502	76	547	0.333	ug/l #	76
18) Methyl Acetate	2.709	43	2224	2.197	ug/l #	91
20) Methylene Chloride	2.782	84	5321	6.364	ug/l #	94
25) 2-Butanone	4.574	43	6515	10.285	ug/l #	87
29) Tetrahydrofuran	5.032	42	207	0.521	ug/l #	53
31) Cyclohexane	5.544	56	1800	1.388	ug/l #	11
36) 1,1-Dichloropropene	5.544	75	5774	5.055	ug/l #	53
37) Ethyl Acetate	4.574	43	6515	4.617	ug/l #	70
38) Carbon Tetrachloride	5.550	117	6981	5.440	ug/l #	17
40) Benzene	6.038	78	10230	3.058	ug/l	94
43) Isopropyl Acetate	6.348	43	11076	5.145	ug/l	95
48) Methyl methacrylate	7.592	41	1571	1.429	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	30434	21.297	ug/l #	52
52) Toluene	8.720	92	2620	1.277	ug/l	77
54) cis-1,3-Dichloropropene	8.549	75	11790	9.287	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	1055	0.726	ug/l #	42
59) 2-Hexanone	9.482	43	16942	16.024	ug/l #	58
68) m/p-Xylenes	10.305	106	427	0.266	ug/l	87
74) N-amyl acetate	10.860	43	455	0.258	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	32384	29.309	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32384	95.422	ug/l #	1
90) Hexachloroethane	12.603	117	187	0.348	ug/l #	19

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

Quant Time: May 19 23:12:14 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

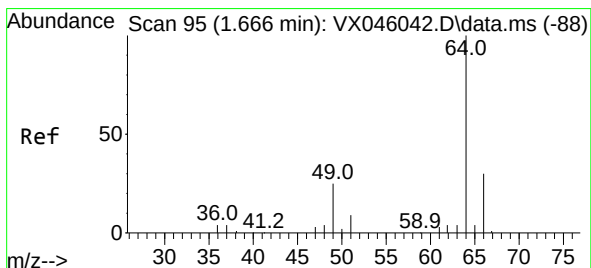
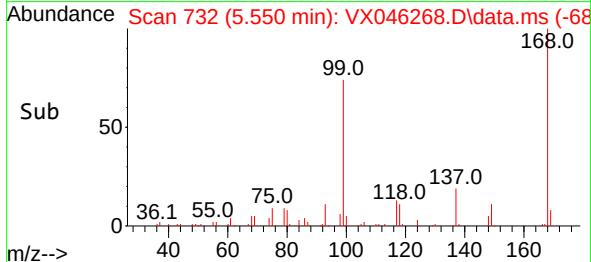
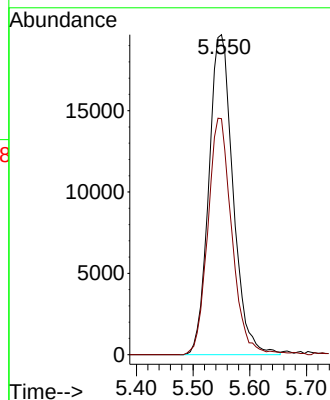
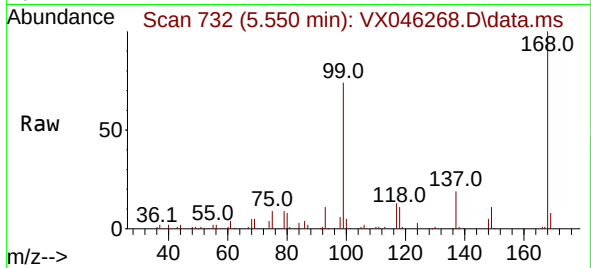




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

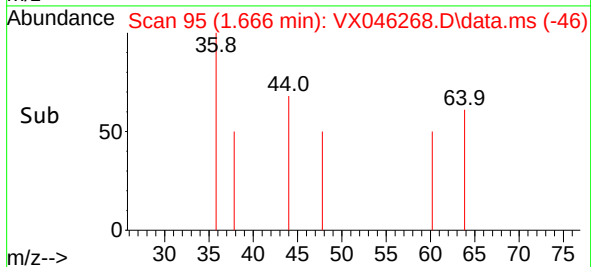
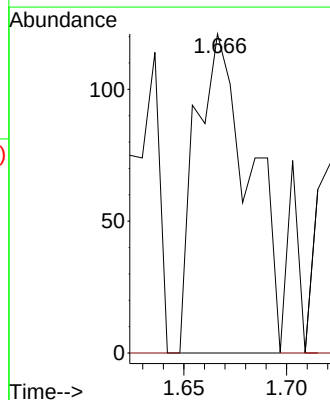
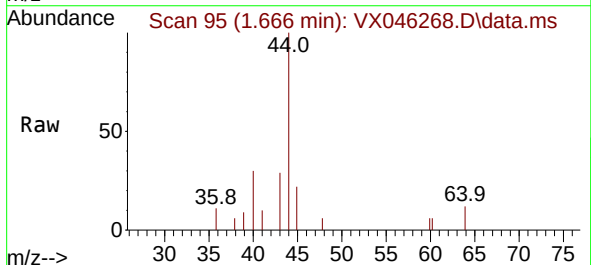
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

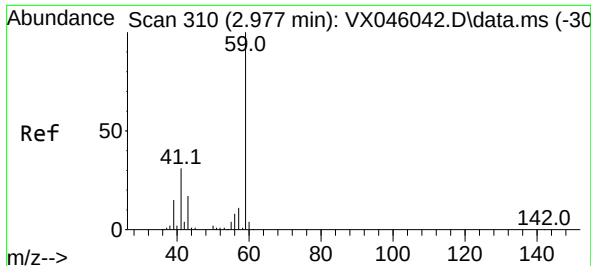
Tgt Ion:168 Resp: 58371
Ion Ratio Lower Upper
168 100
99 73.8 54.9 82.3



#6
Chloroethane
Concen: 0.518 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion: 64 Resp: 223
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

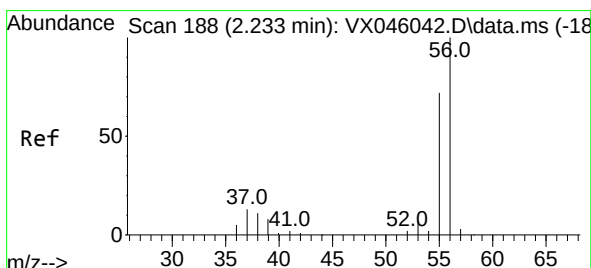
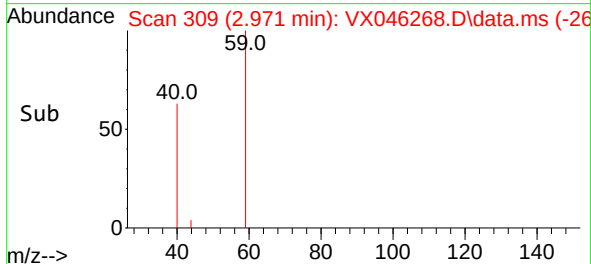
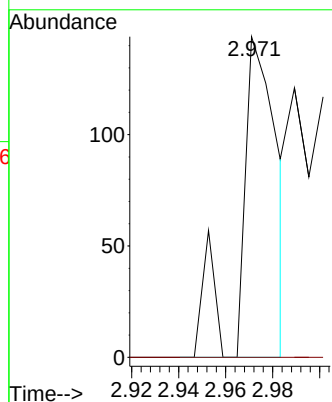
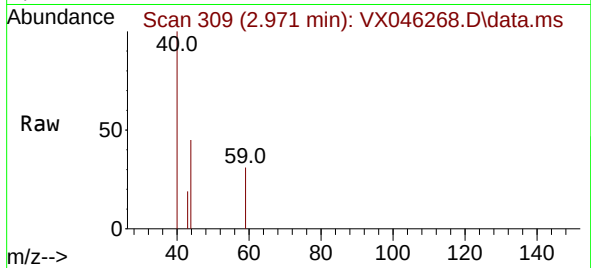




#11
Tert butyl alcohol
Concen: 0.989 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

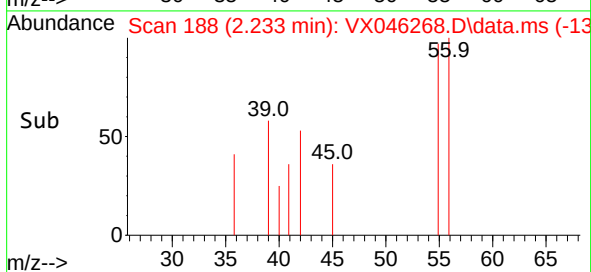
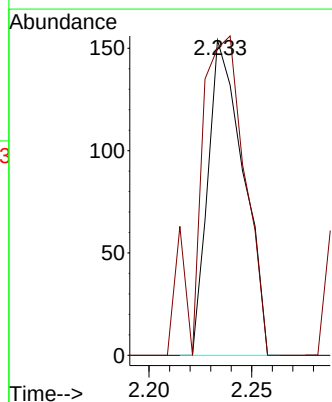
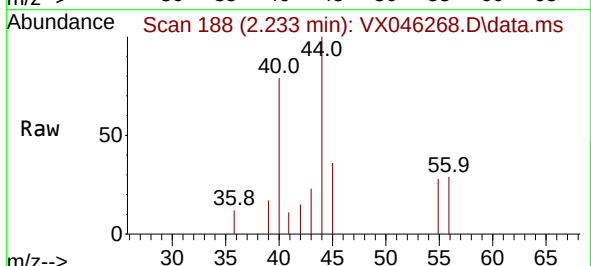
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

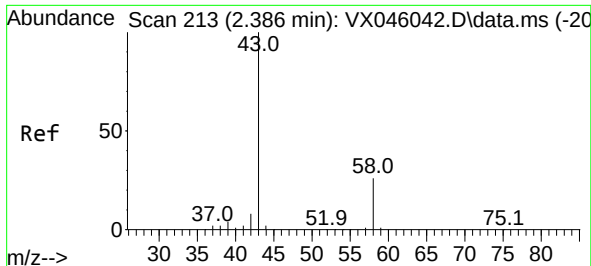
Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.063 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion: 56 Resp: 185
Ion Ratio Lower Upper
56 100
55 130.3 56.2 84.4#

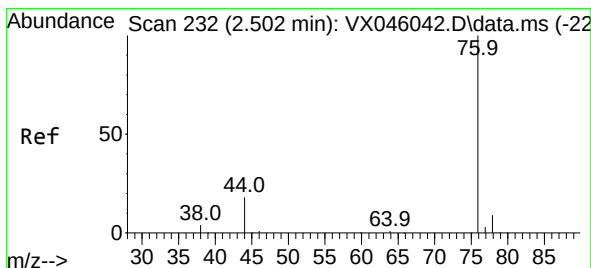
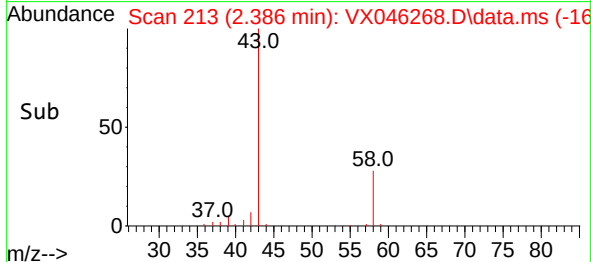
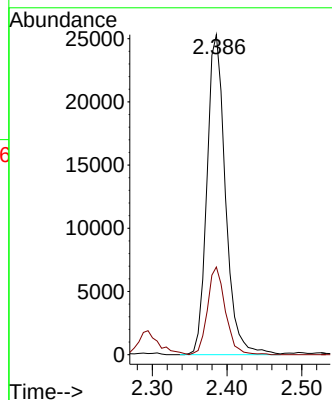
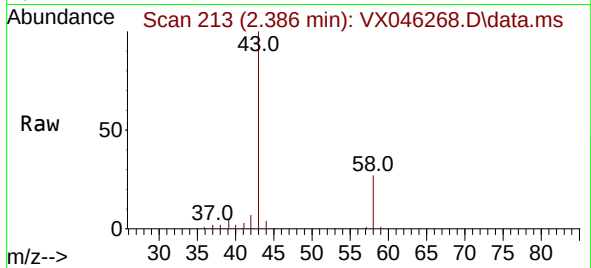




#16
Acetone
Concen: 99.886 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

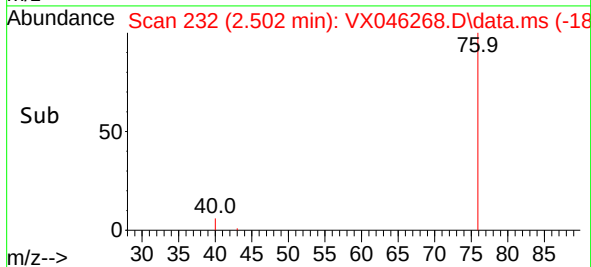
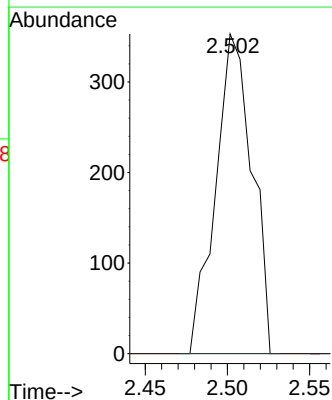
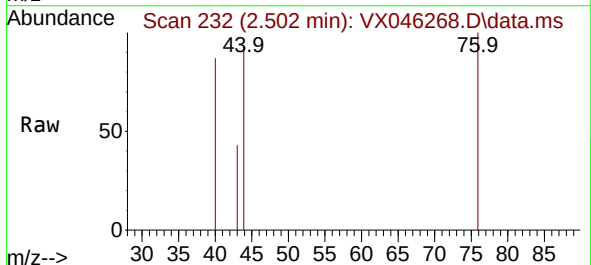
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

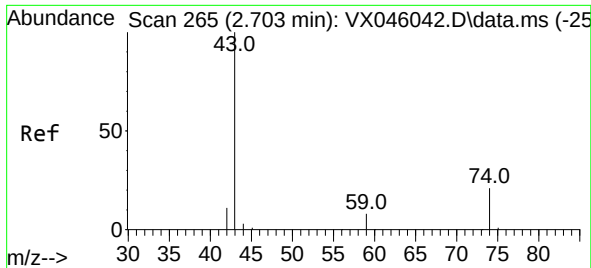
Tgt Ion: 43 Resp: 43583
Ion Ratio Lower Upper
43 100
58 27.4 21.2 31.8



#17
Carbon Disulfide
Concen: 0.333 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion: 76 Resp: 547
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#





#18

Methyl Acetate

Concen: 2.197 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX046268.D

Acq: 19 May 2025 15:24

Instrument :

MSVOA_X

ClientSampleId :

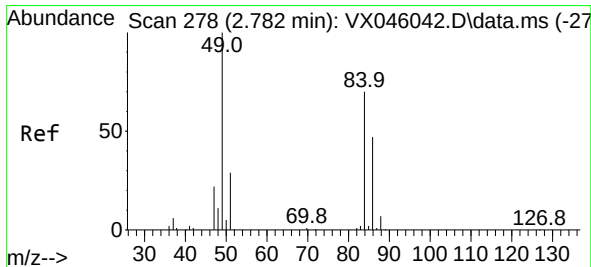
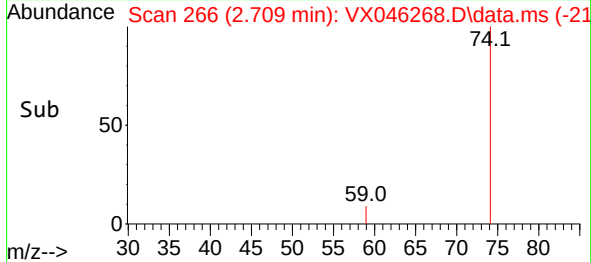
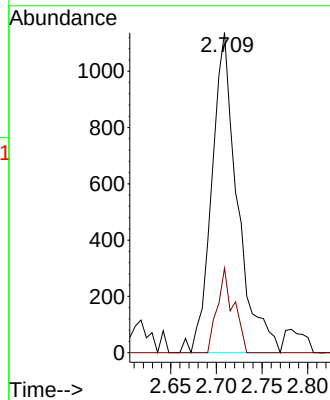
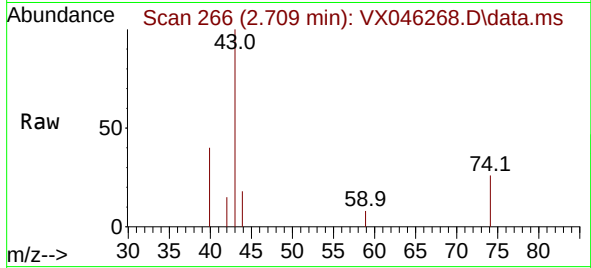
L1-WC-6

Tgt Ion: 43 Resp: 2224

Ion Ratio Lower Upper

43 100

74 16.7 16.7 25.1#



#20

Methylene Chloride

Concen: 6.364 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX046268.D

Acq: 19 May 2025 15:24

Tgt Ion: 84 Resp: 5321

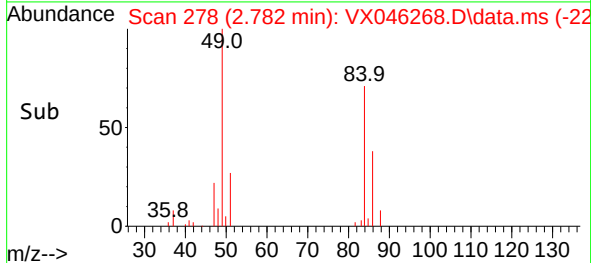
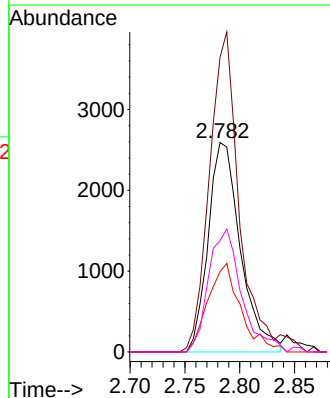
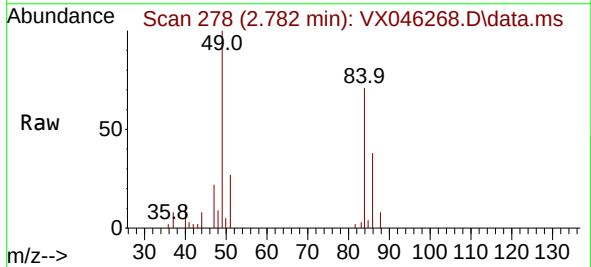
Ion Ratio Lower Upper

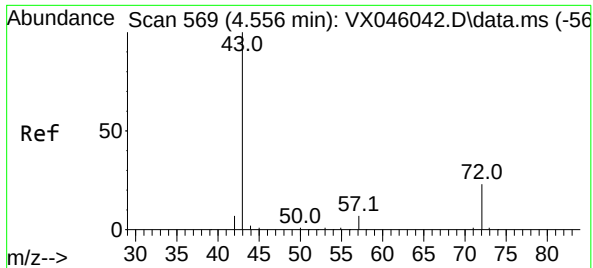
84 100

49 140.8 113.9 170.9

51 38.3 33.5 50.3

86 53.2 53.8 80.8#

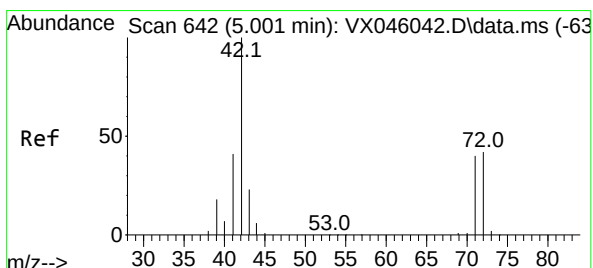
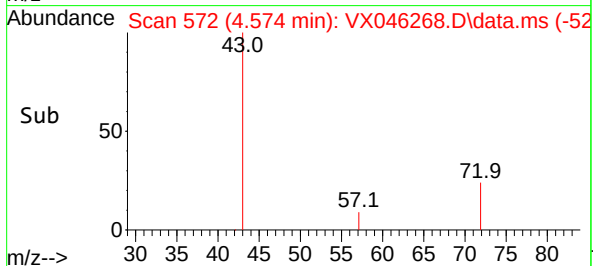
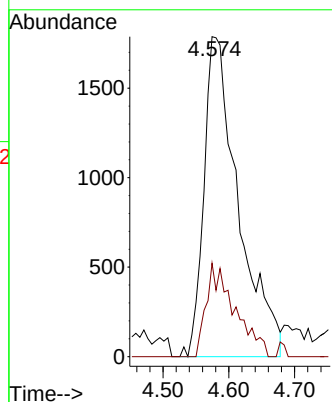
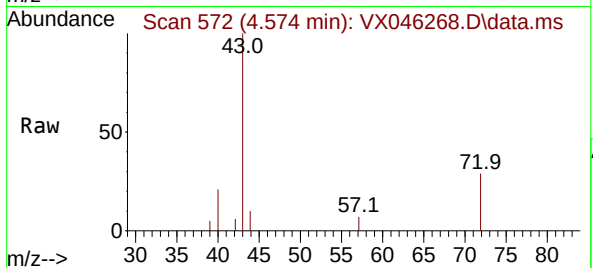




#25
2-Butanone
Concen: 10.285 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

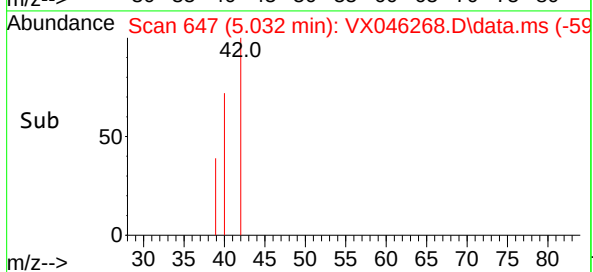
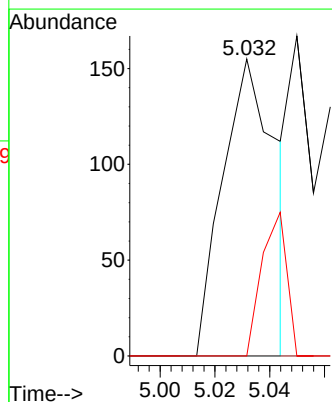
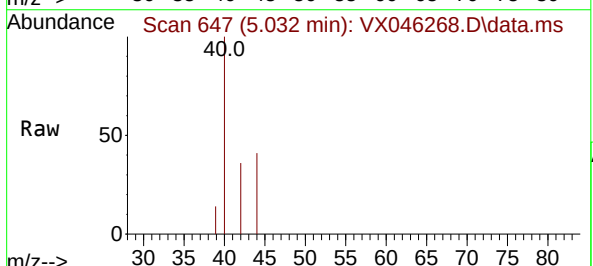
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

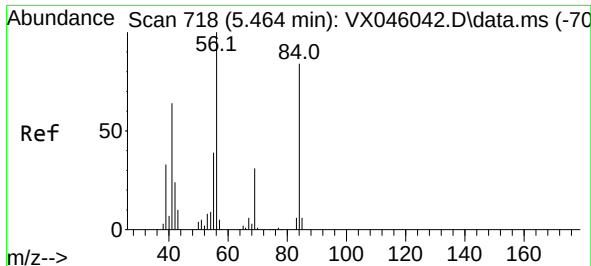
Tgt Ion: 43 Resp: 6515
Ion Ratio Lower Upper
43 100
72 29.2 18.4 27.6#



#29
Tetrahydrofuran
Concen: 0.521 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.030 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion: 42 Resp: 207
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 22.7 31.4 47.2#

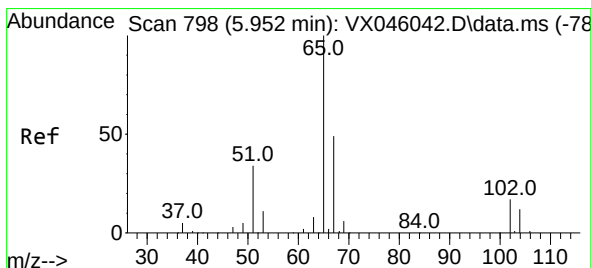
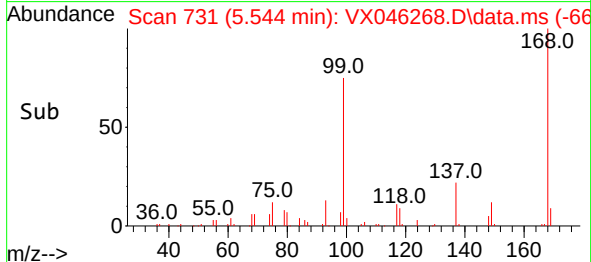
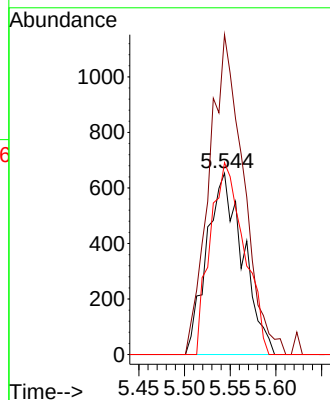
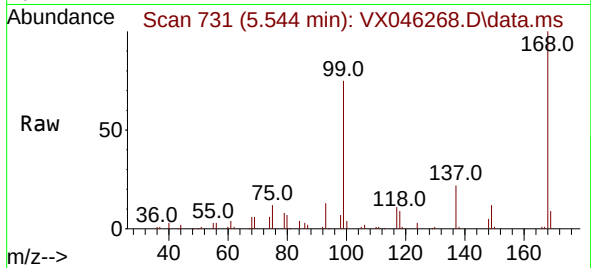




#31
Cyclohexane
Concen: 1.388 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

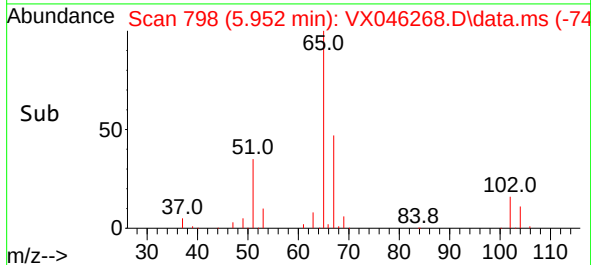
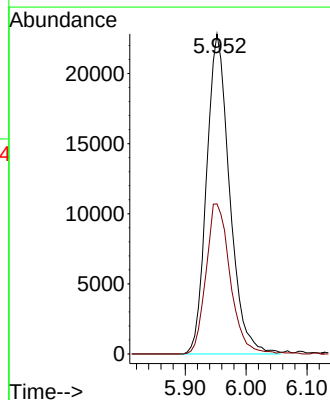
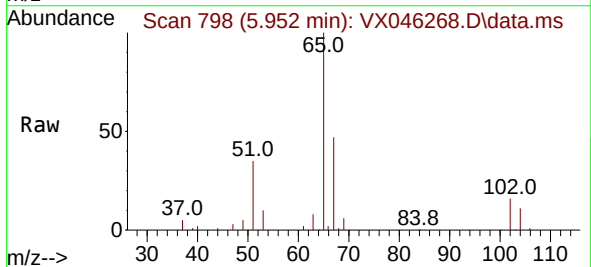
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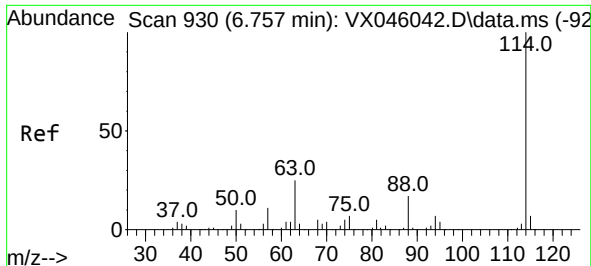
Tgt Ion	56	69	84
Resp:	1800		
Ratio	100	176.4	105.8
Lower		24.4	66.9
Upper		36.6#	100.3#



#33
1,2-Dichloroethane-d4
Concen: 55.083 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion	65	67
Resp:	59943	
Ratio	100	49.2
Lower		0.0
Upper		99.0

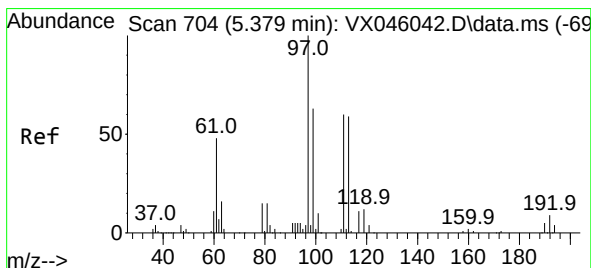
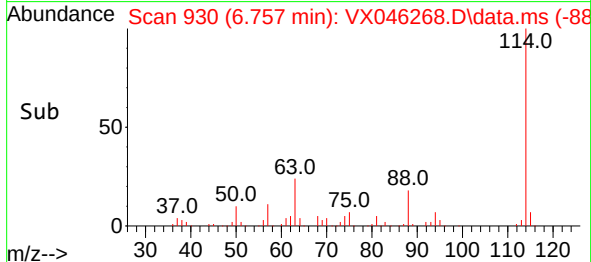
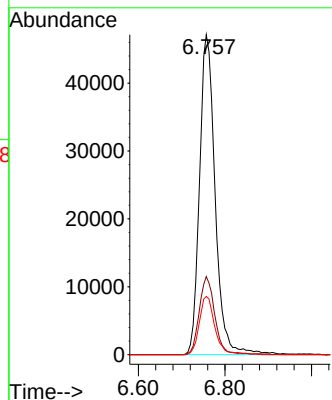
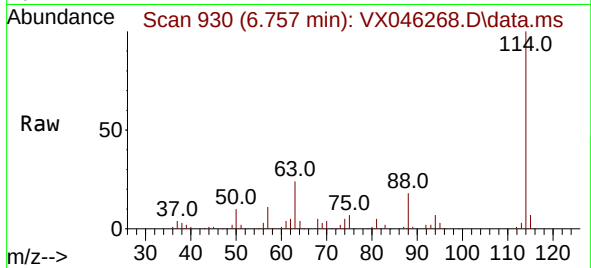




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

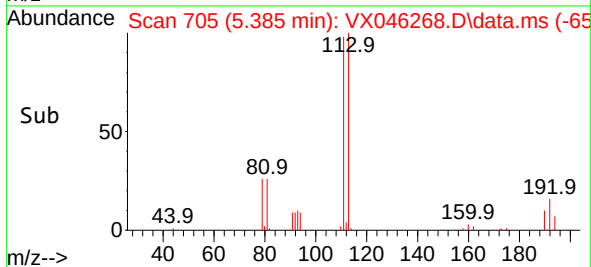
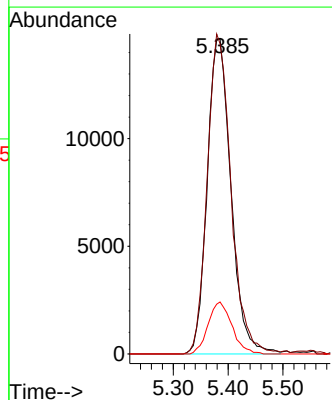
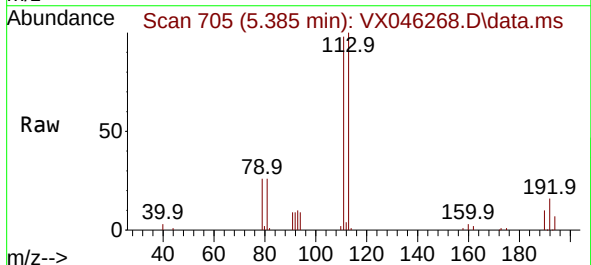
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

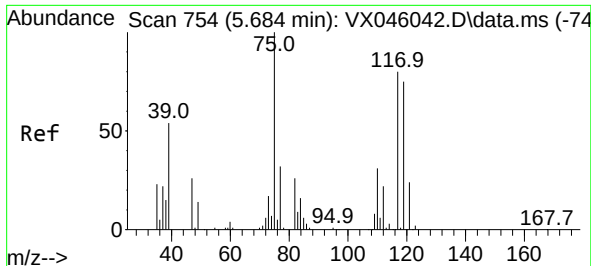
Tgt Ion:114 Resp: 118055
Ion Ratio Lower Upper
114 100
63 24.4 0.0 49.2
88 18.2 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.696 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion:113 Resp: 43948
Ion Ratio Lower Upper
113 100
111 101.7 83.1 124.7
192 16.6 13.3 19.9

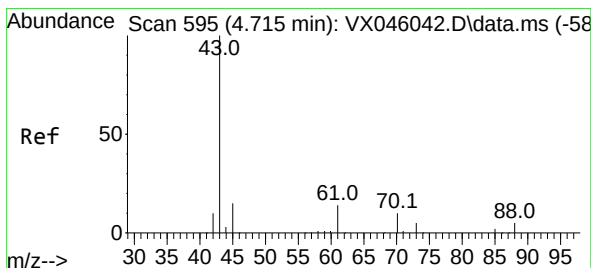
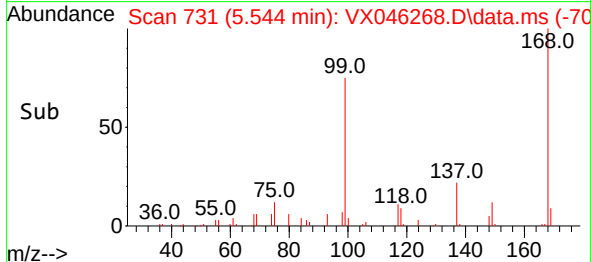
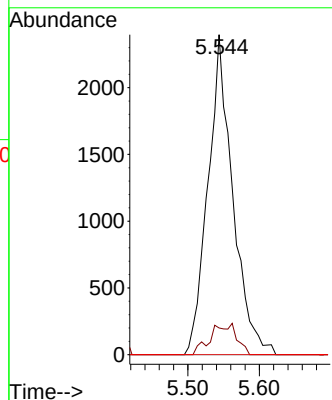
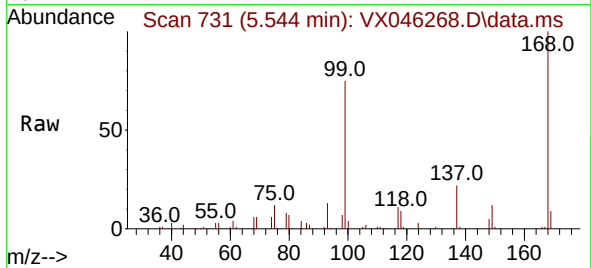




#36
1,1-Dichloropropene
Concen: 5.055 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

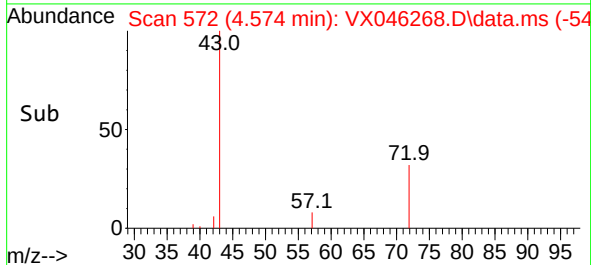
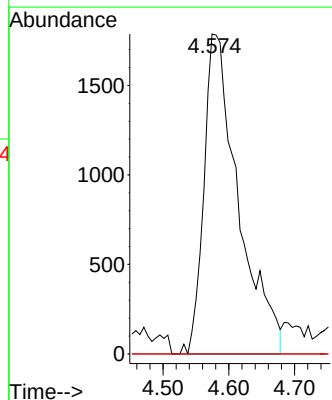
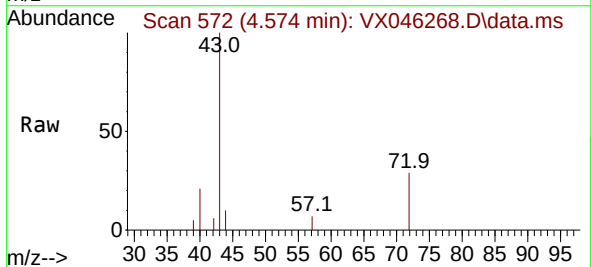
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

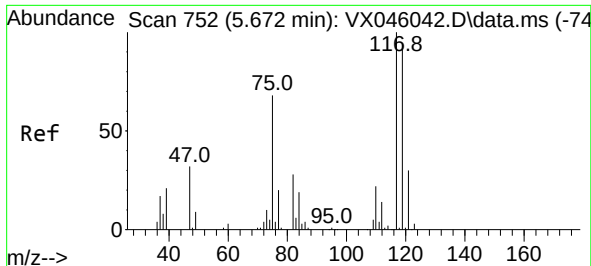
Tgt Ion: 75 Resp: 5774
Ion Ratio Lower Upper
75 100
110 10.3 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 4.617 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

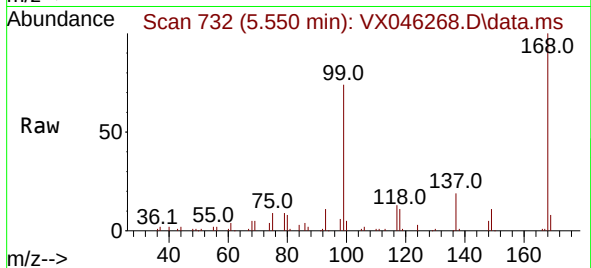
Tgt Ion: 43 Resp: 6515
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 7.9 11.9#



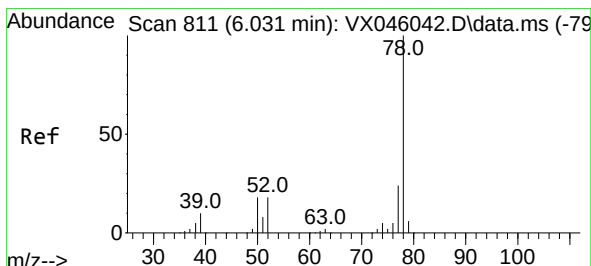
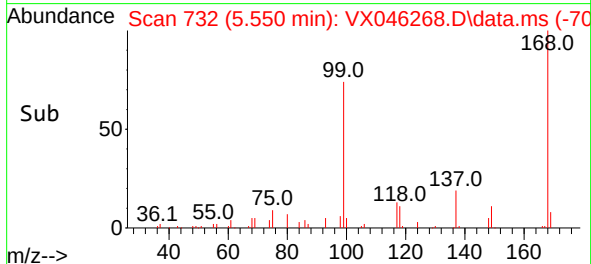
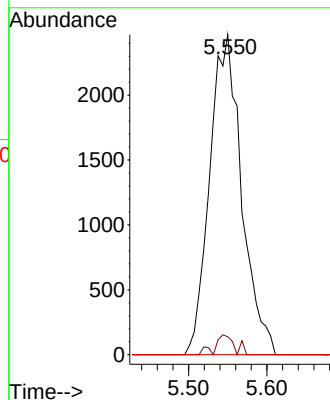


#38
Carbon Tetrachloride
Concen: 5.440 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

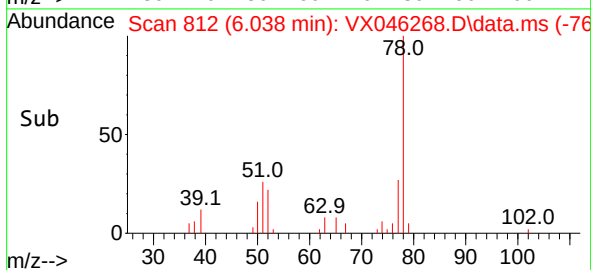
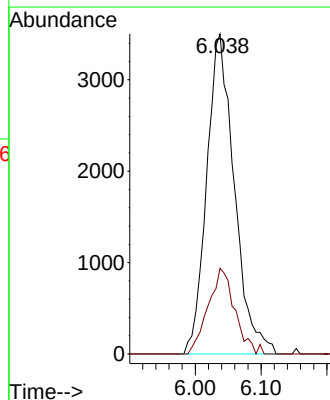
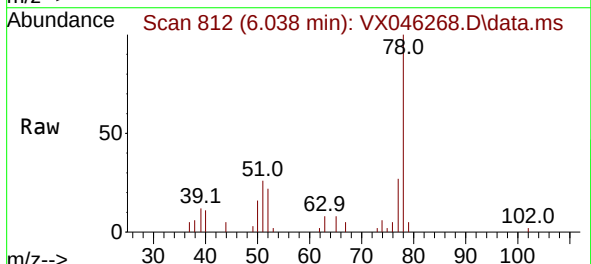


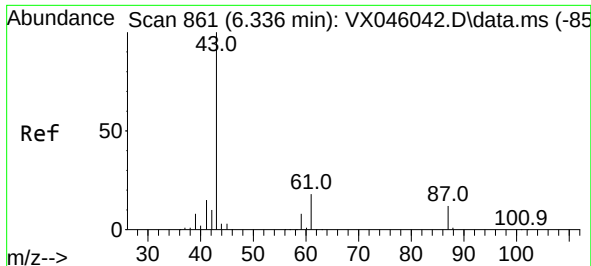
Tgt Ion:117 Resp: 6981
Ion Ratio Lower Upper
117 100
119 5.6 75.2 112.8#
121 0.0 24.2 36.4#



#40
Benzene
Concen: 3.058 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion: 78 Resp: 10230
Ion Ratio Lower Upper
78 100
77 26.7 19.0 28.4





#43

Isopropyl Acetate

Concen: 5.145 ug/l

RT: 6.348 min Scan# 8

Delta R.T. 0.012 min

Lab File: VX046268.D

Acq: 19 May 2025 15:24

Instrument :

MSVOA_X

ClientSampleId :

L1-WC-6

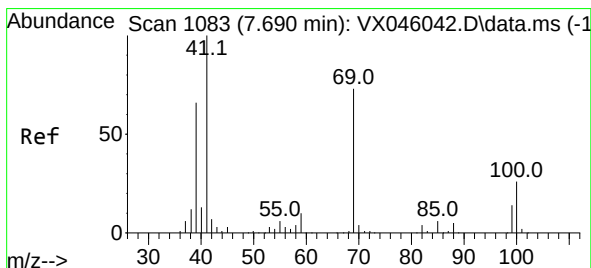
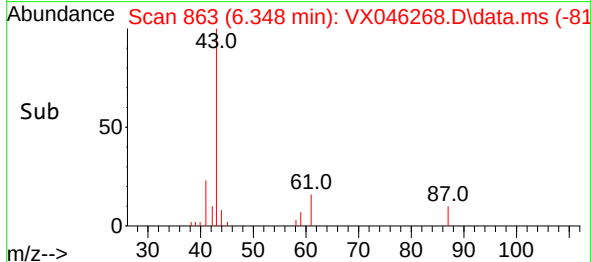
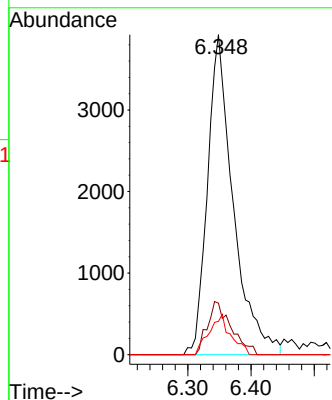
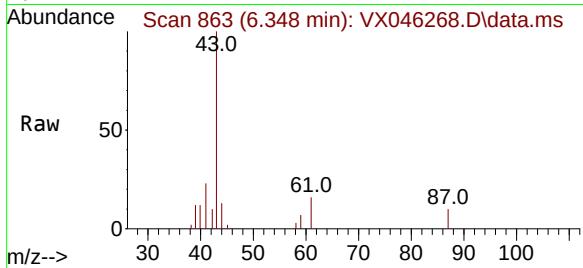
Tgt Ion: 43 Resp: 11076

Ion Ratio Lower Upper

43 100

61 15.4 14.3 21.5

87 10.6 9.5 14.3



#48

Methyl methacrylate

Concen: 1.429 ug/l

RT: 7.592 min Scan# 1067

Delta R.T. -0.098 min

Lab File: VX046268.D

Acq: 19 May 2025 15:24

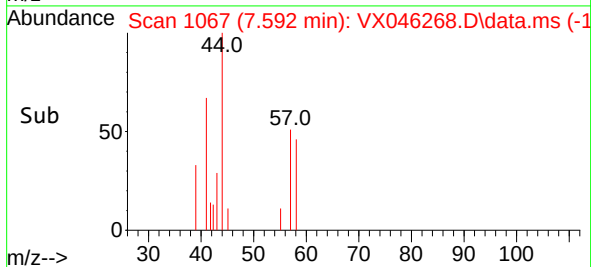
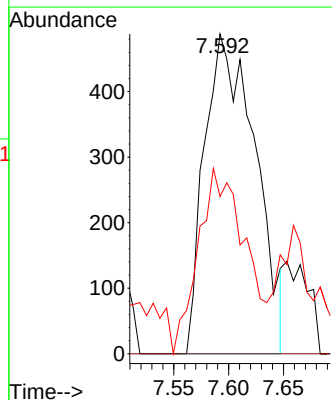
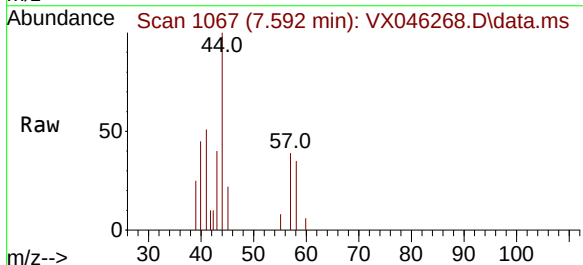
Tgt Ion: 41 Resp: 1571

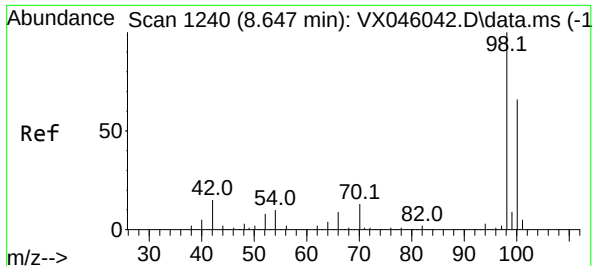
Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 53.5 51.7 77.5

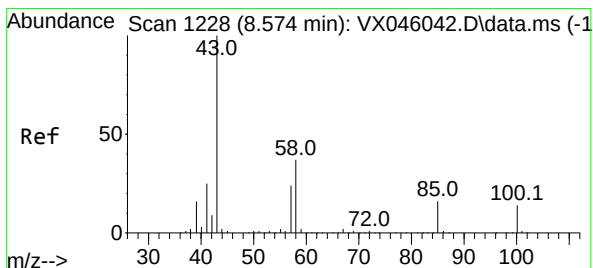
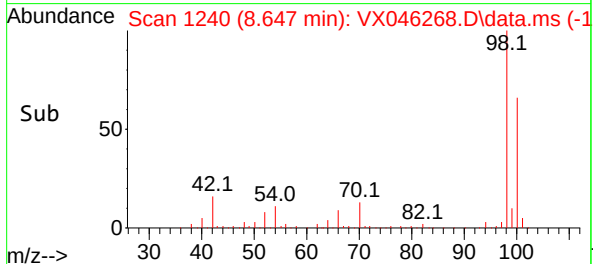
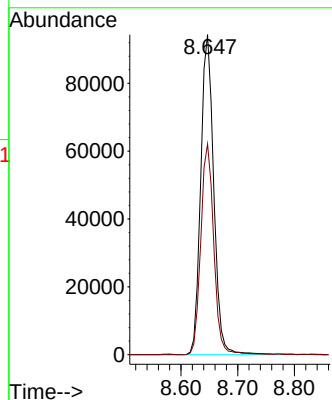
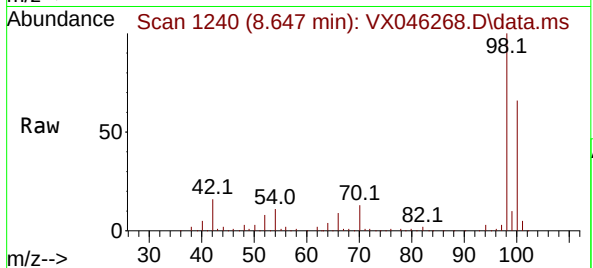




#50
Toluene-d8
Concen: 51.114 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

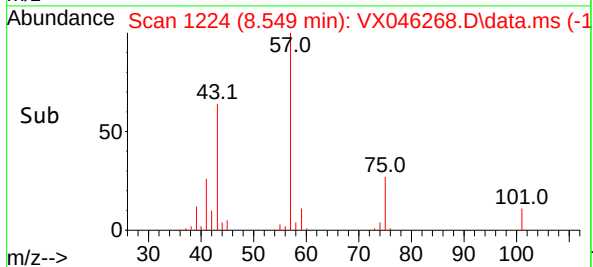
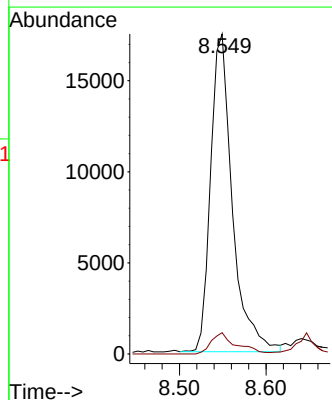
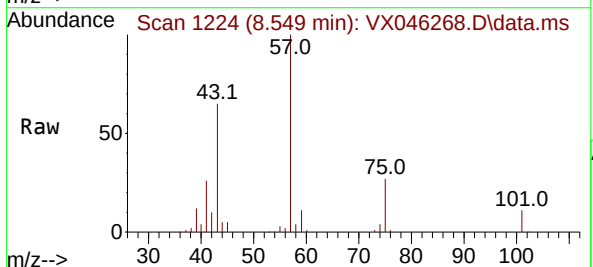
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

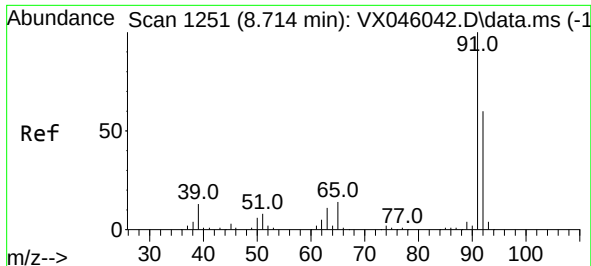
Tgt Ion: 98 Resp: 150397
Ion Ratio Lower Upper
98 100
100 65.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 21.297 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion: 43 Resp: 30434
Ion Ratio Lower Upper
43 100
58 7.7 28.9 43.3#





#52

Toluene

Concen: 1.277 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046268.D

Acq: 19 May 2025 15:24

Instrument :

MSVOA_X

ClientSampleId :

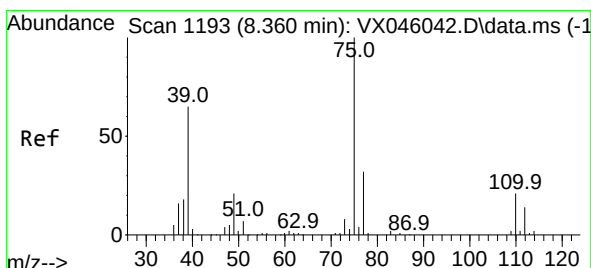
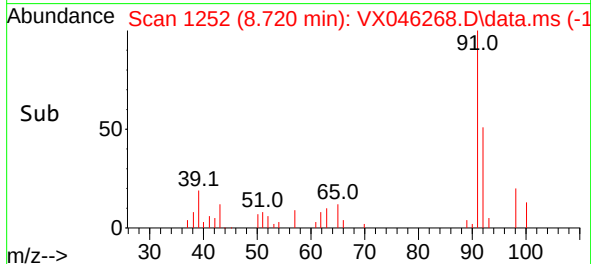
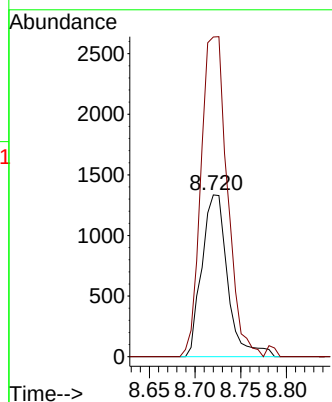
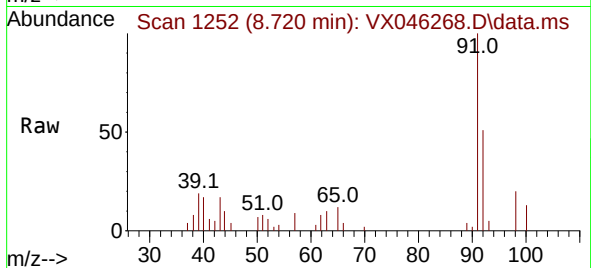
L1-WC-6

Tgt Ion: 92 Resp: 2620

Ion Ratio Lower Upper

92 100

91 202.3 136.6 205.0



#54

cis-1,3-Dichloropropene

Concen: 9.287 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.189 min

Lab File: VX046268.D

Acq: 19 May 2025 15:24

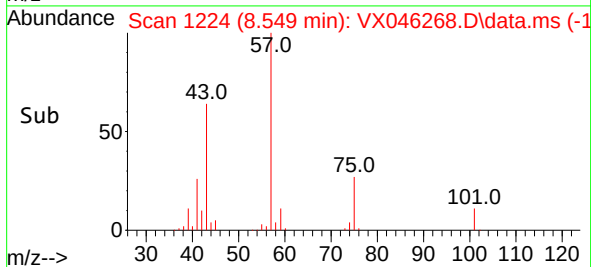
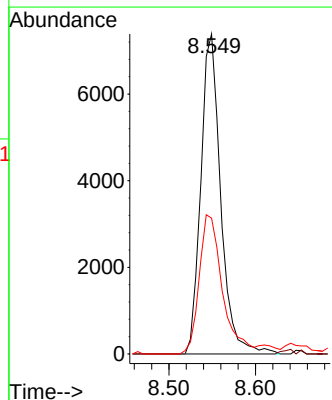
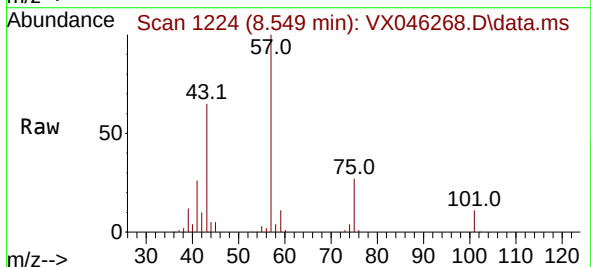
Tgt Ion: 75 Resp: 11790

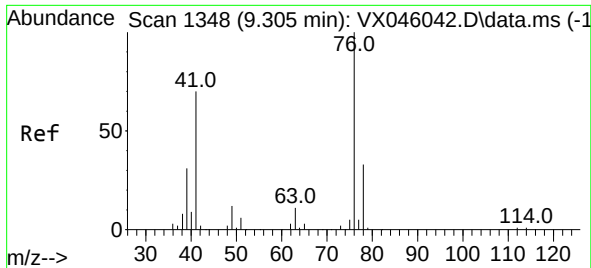
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 42.4 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.726 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046268.D

Acq: 19 May 2025 15:24

Instrument :

MSVOA_X

ClientSampleId :

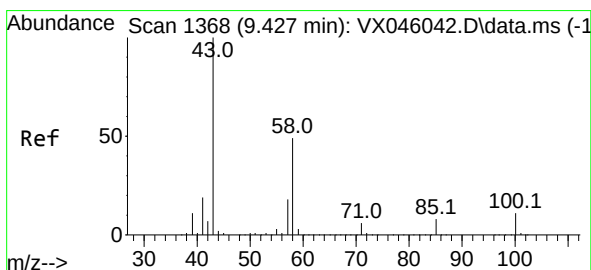
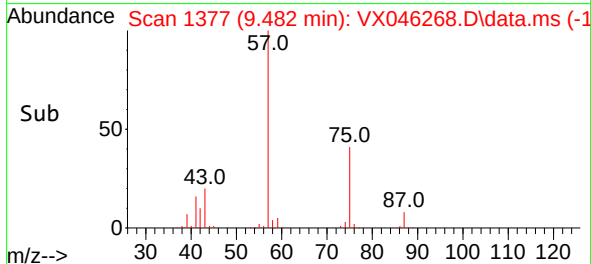
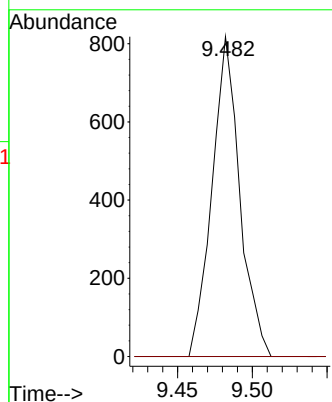
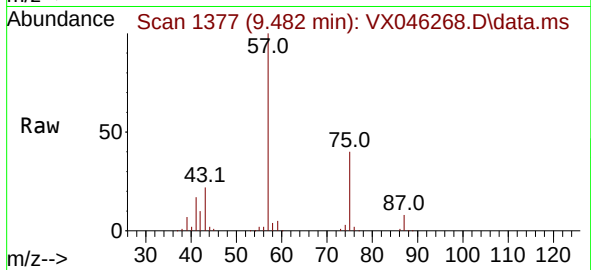
L1-WC-6

Tgt Ion: 76 Resp: 1055

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 16.024 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX046268.D

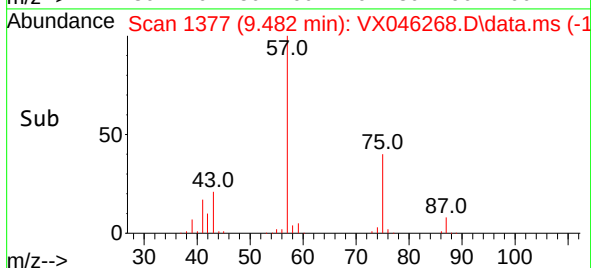
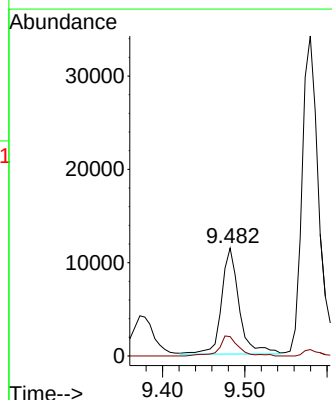
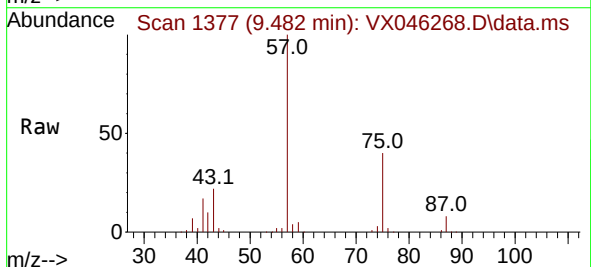
Acq: 19 May 2025 15:24

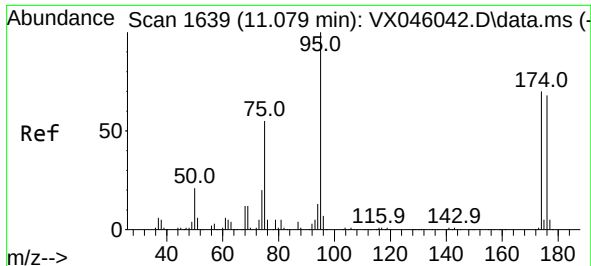
Tgt Ion: 43 Resp: 16942

Ion Ratio Lower Upper

43 100

58 20.8 24.9 74.6#

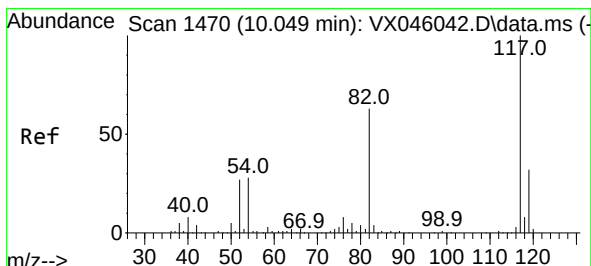
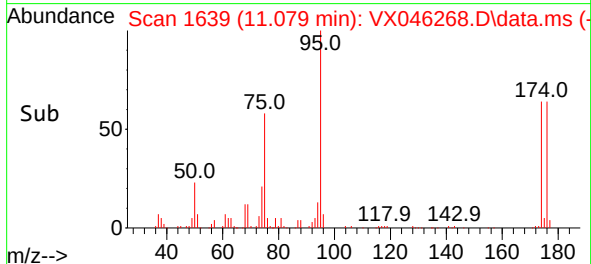
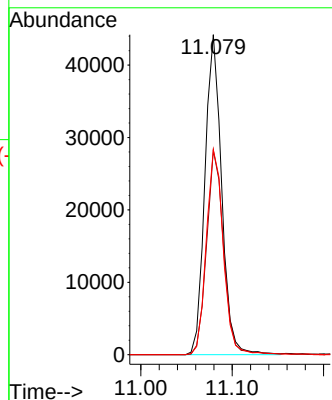
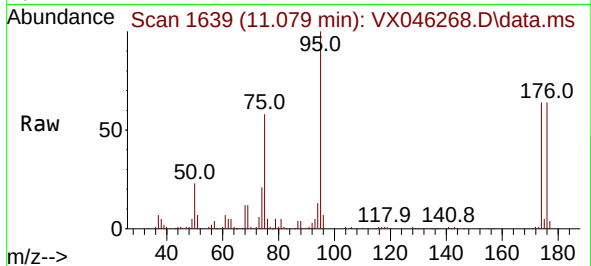




#62
4-Bromofluorobenzene
Concen: 49.603 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

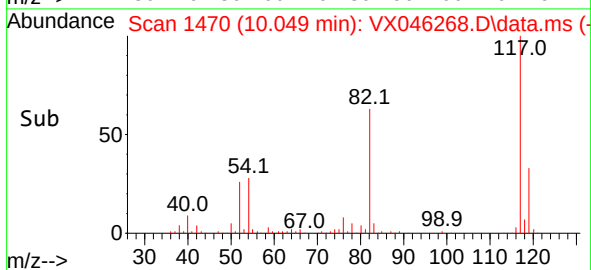
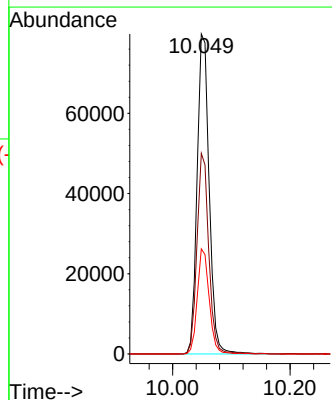
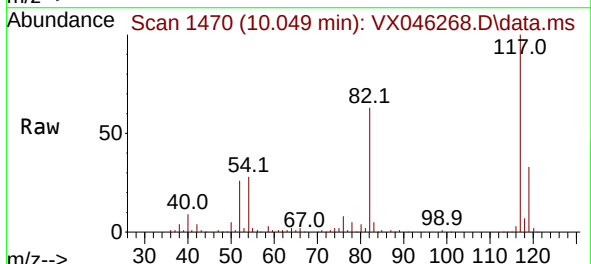
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

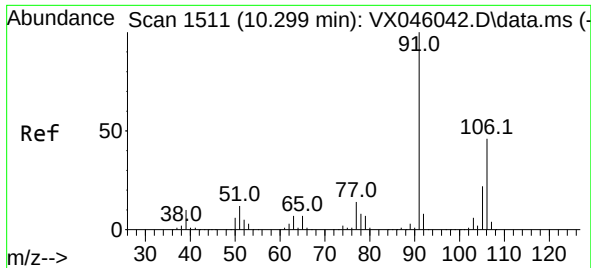
Tgt Ion: 95 Resp: 55985
Ion Ratio Lower Upper
95 100
174 65.0 0.0 135.8
176 65.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion: 117 Resp: 113715
Ion Ratio Lower Upper
117 100
82 62.7 50.6 76.0
119 32.8 25.8 38.6

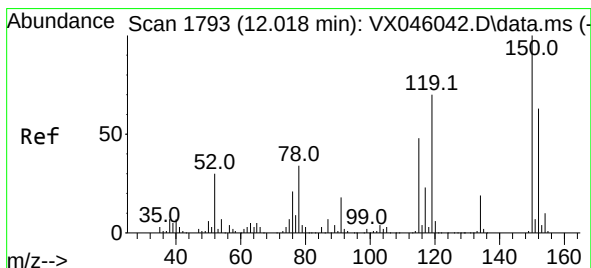
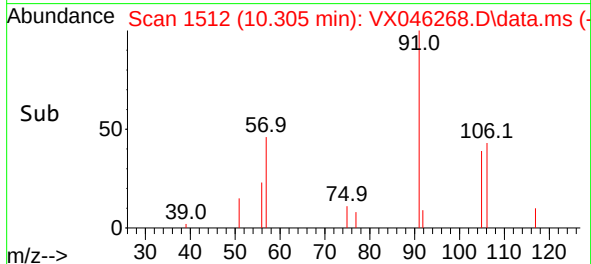
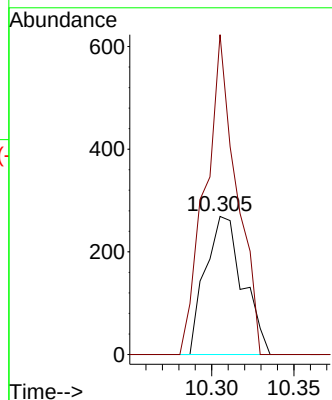
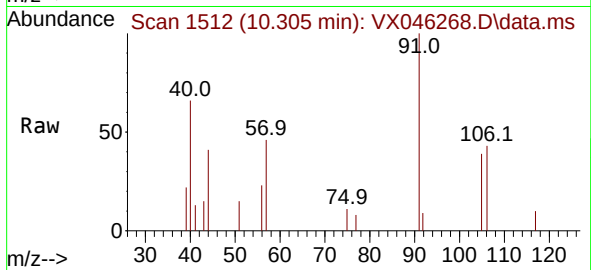




#68
m/p-Xylenes
Concen: 0.266 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

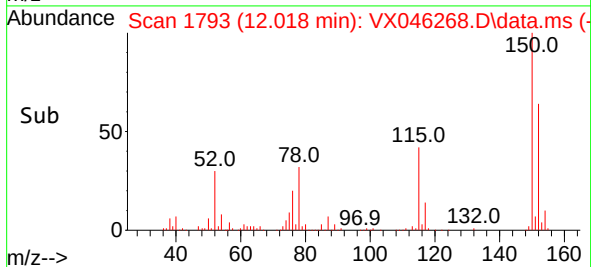
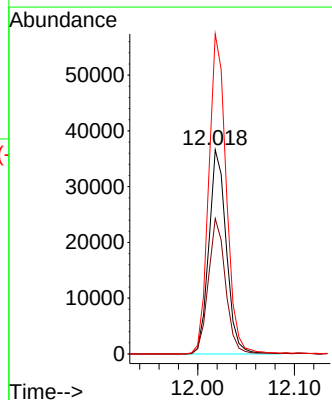
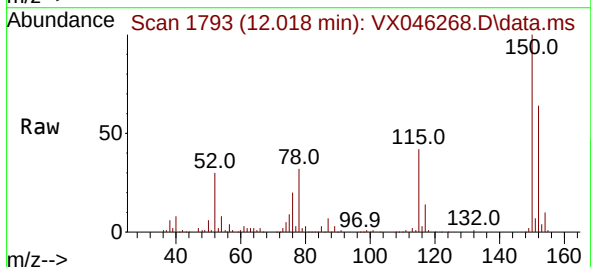
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

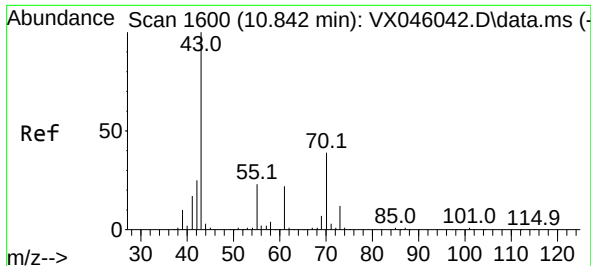
Tgt Ion:106 Resp: 427
Ion Ratio Lower Upper
106 100
91 192.7 171.2 256.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion:152 Resp: 45903
Ion Ratio Lower Upper
152 100
115 65.7 46.9 140.7
150 158.4 0.0 351.0

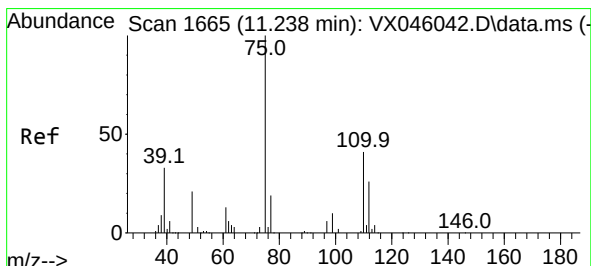
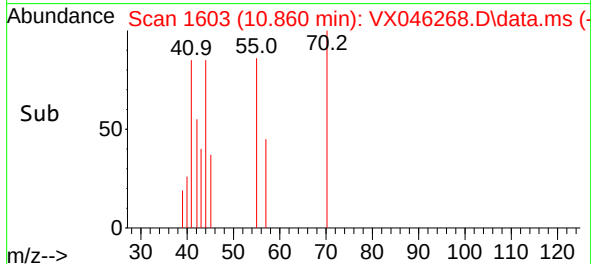
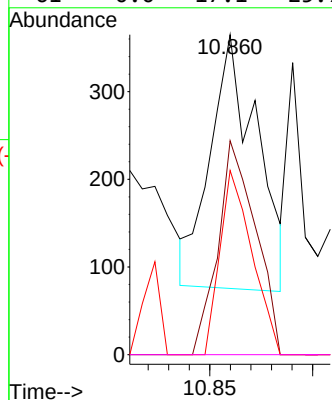
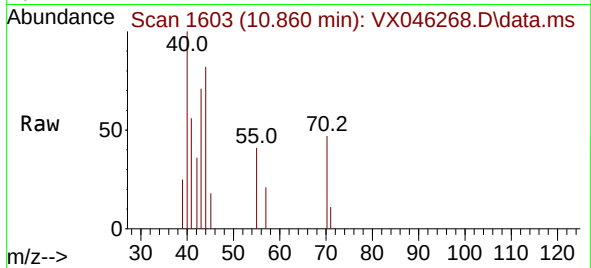




#74
N-amy1 acetate
Concen: 0.258 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

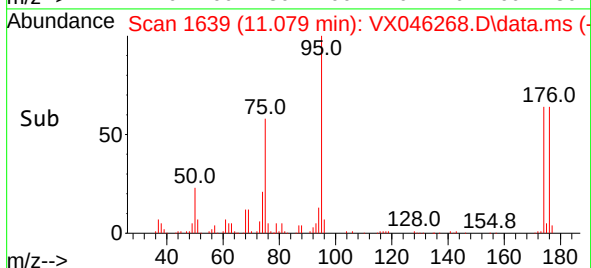
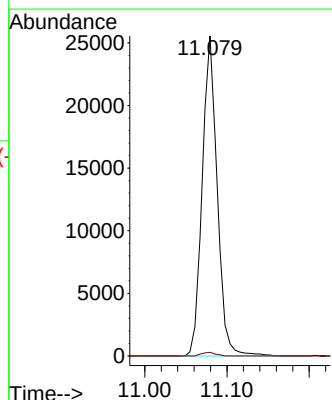
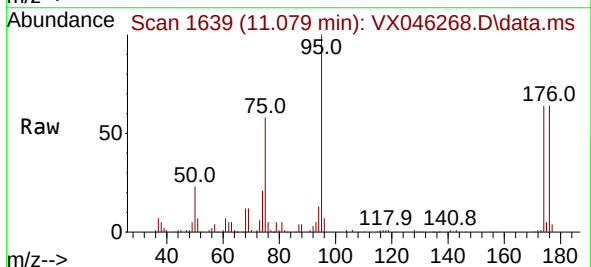
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

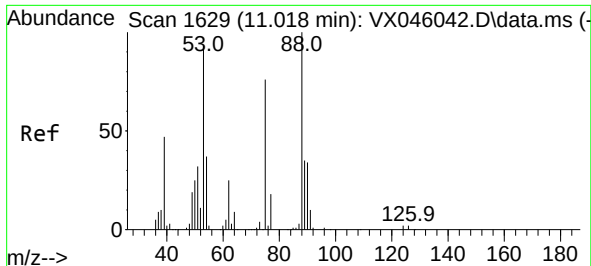
Tgt Ion: 43	Resp: 455
Ion Ratio	Lower Upper
43	100
70	68.4 30.9 46.3#
55	50.1 18.7 28.1#
61	0.0 17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 29.309 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion: 75	Resp: 32384
Ion Ratio	Lower Upper
75	100
77	1.1 20.5 61.5#

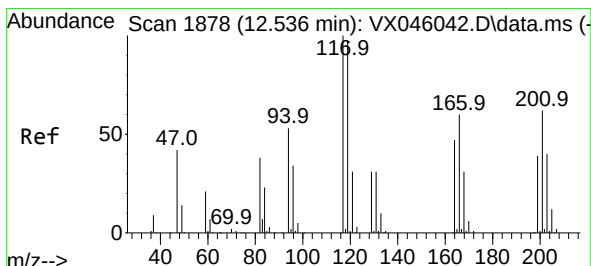
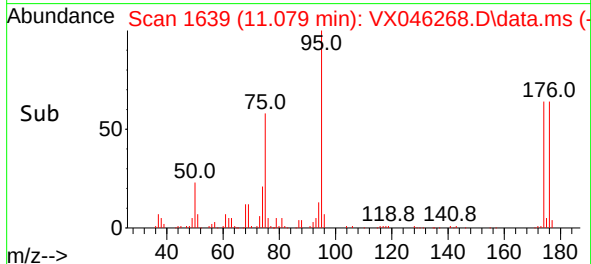
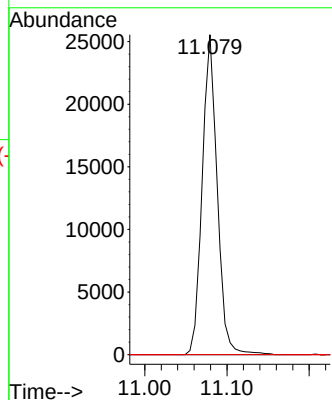
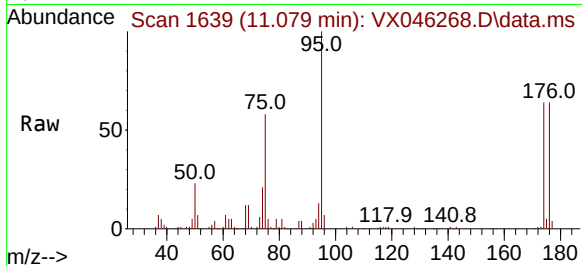




#81
trans-1,4-Dichloro-2-butene
Concen: 95.422 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Instrument :
MSVOA_X
ClientSampleId :
L1-WC-6

Tgt Ion: 75 Resp: 32384
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 0.348 ug/l
RT: 12.603 min Scan# 1889
Delta R.T. 0.067 min
Lab File: VX046268.D
Acq: 19 May 2025 15:24

Tgt Ion: 117 Resp: 187
Ion Ratio Lower Upper
117 100
201 0.0 31.6 94.7#

