

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046218.D
 Acq On : 15 May 2025 16:54
 Operator : JC/MD
 Sample : Q2034-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 L3-WC-4

Quant Time: May 16 01:08:16 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)

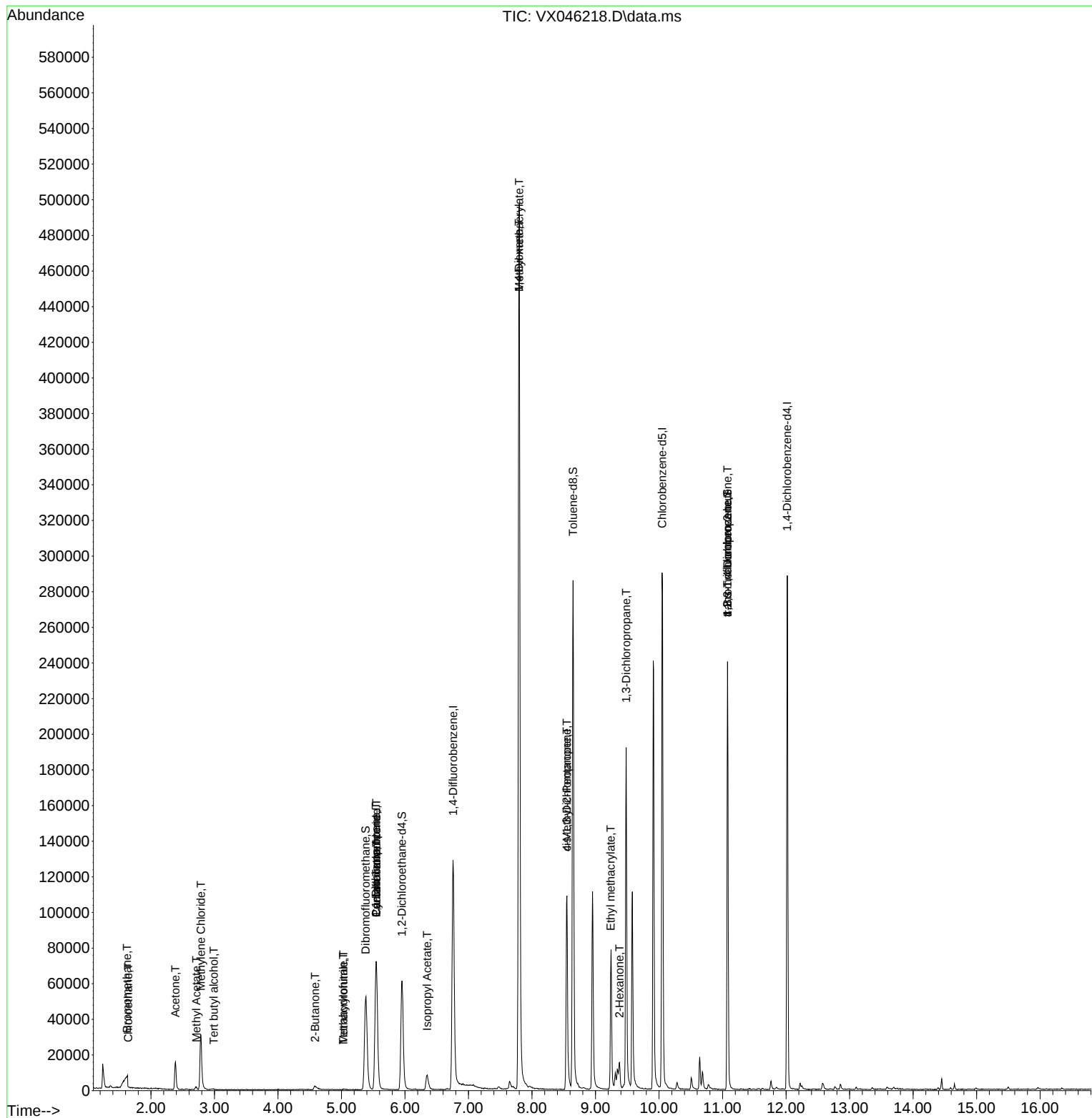
Internal Standards						
1) Pentafluorobenzene	5.550	168	62053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63161	54.597	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.200%			
35) Dibromofluoromethane	5.379	113	45614	51.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.600%			
50) Toluene-d8	8.647	98	159242	52.245	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	11.079	95	62227	53.224	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.440%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	81	0.204	ug/l #	4
6) Chloroethane	1.642	64	337	0.736	ug/l #	44
11) Tert butyl alcohol	2.989	59	564	3.473	ug/l #	72
16) Acetone	2.386	43	17549	37.833	ug/l	96
18) Methyl Acetate	2.715	43	2231	2.073	ug/l	95
20) Methylene Chloride	2.788	84	14627	16.455	ug/l	99
25) 2-Butanone	4.586	43	5169	7.676	ug/l #	81
29) Tetrahydrofuran	5.025	42	95	0.225	ug/l #	35
31) Cyclohexane	5.550	56	1892	1.372	ug/l #	30
36) 1,1-Dichloropropene	5.544	75	6115	5.168	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7193	5.411	ug/l #	15
41) Methacrylonitrile	5.031	41	159	0.208	ug/l #	53
43) Isopropyl Acetate	6.348	43	12548	5.627	ug/l	98
48) Methyl methacrylate	7.799	41	49309	43.293	ug/l #	50
49) 1,4-Dioxane	7.793	88	20	0.925	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	42810	28.919	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	16629	12.644	ug/l #	67
56) Ethyl methacrylate	9.238	69	300	0.225	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1682	1.118	ug/l #	42
59) 2-Hexanone	9.378	43	13693	12.503	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	35589	28.096	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35589	91.472	ug/l #	1

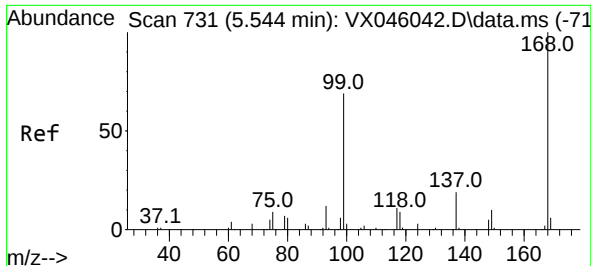
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
L3-WC-4

Quant Time: May 16 01:08:16 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

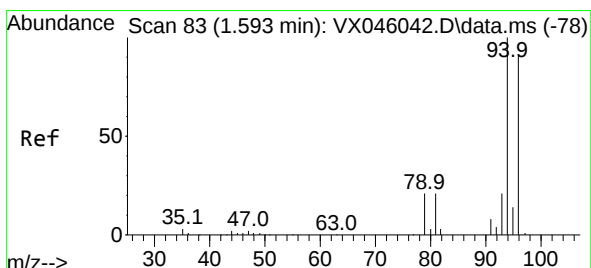
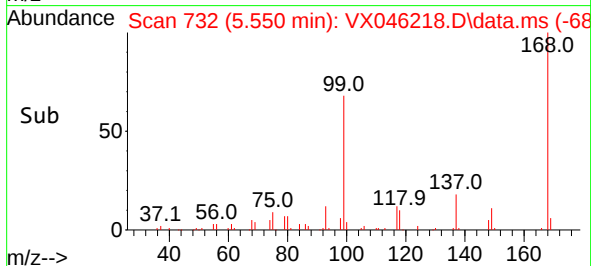
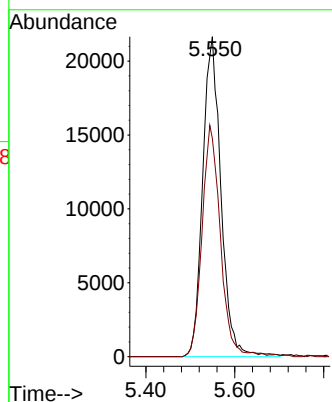
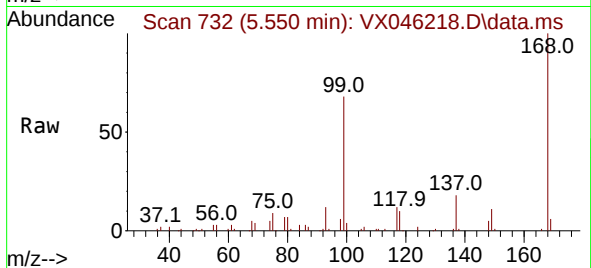




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

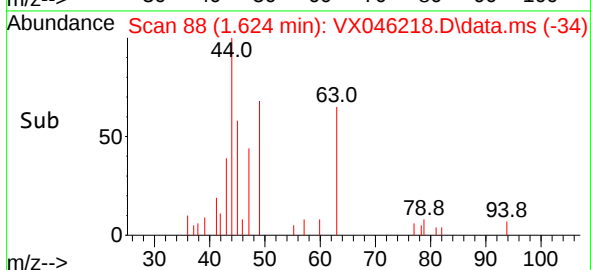
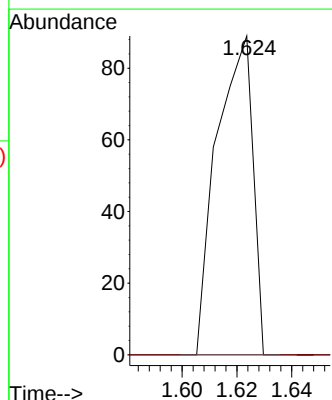
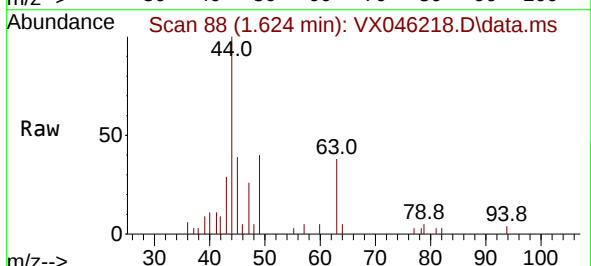
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

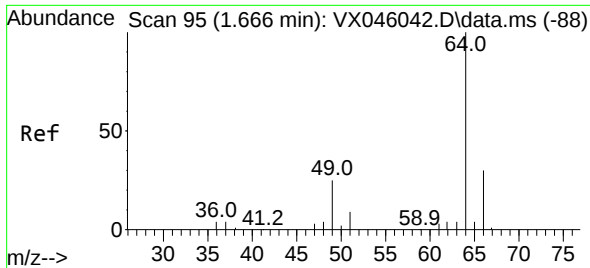
Tgt Ion:168 Resp: 62053
Ion Ratio Lower Upper
168 100
99 68.2 54.9 82.3



#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.030 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion: 94 Resp: 81
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

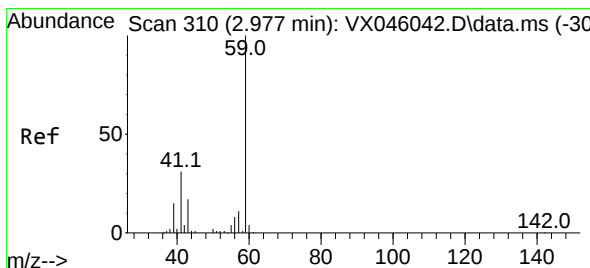
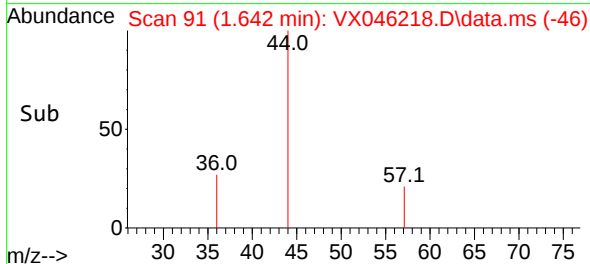
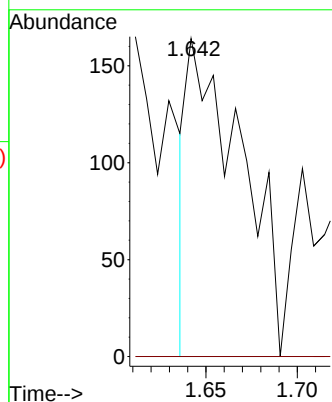
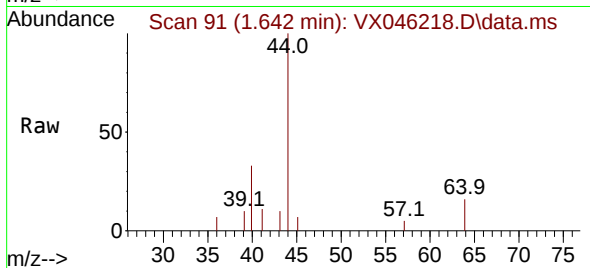




#6
Chloroethane
Concen: 0.736 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.025 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

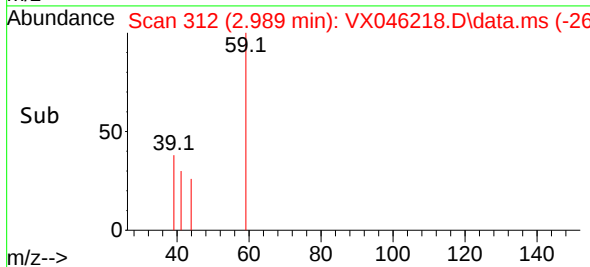
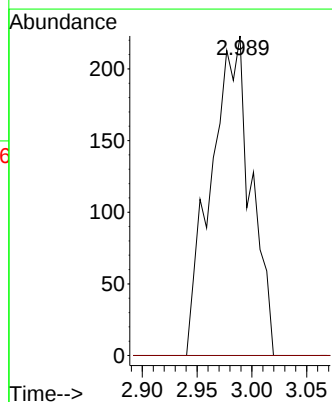
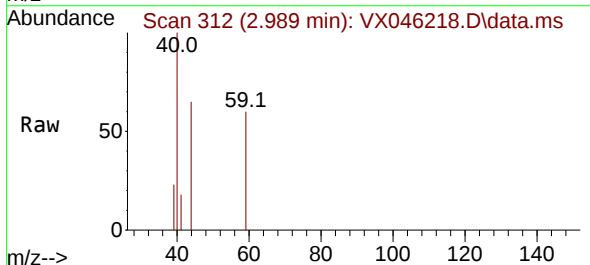
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

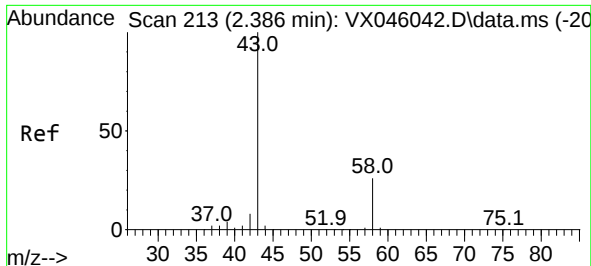
Tgt Ion: 64 Resp: 337
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#11
Tert butyl alcohol
Concen: 3.473 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.012 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion: 59 Resp: 564
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

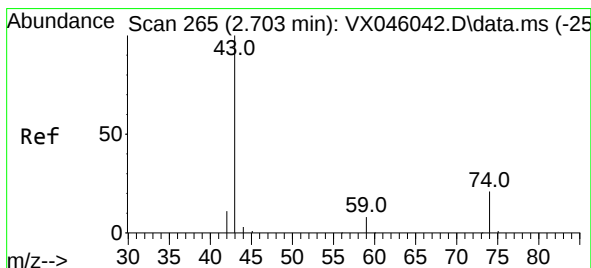
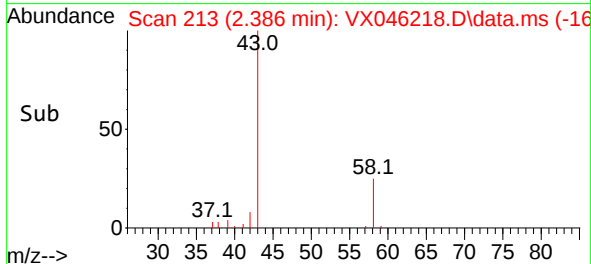
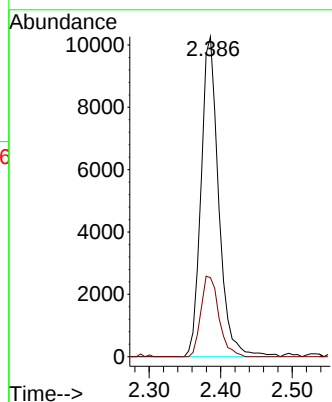
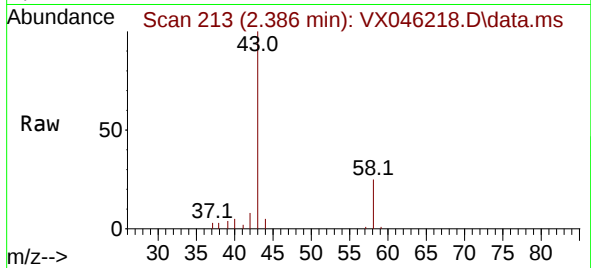




#16
Acetone
Concen: 37.833 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

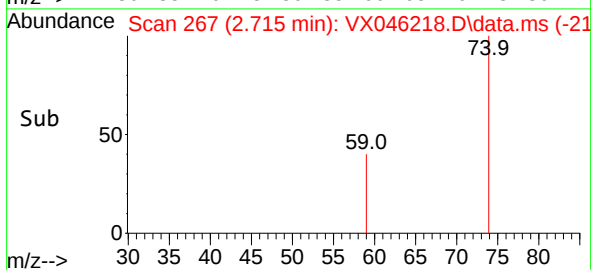
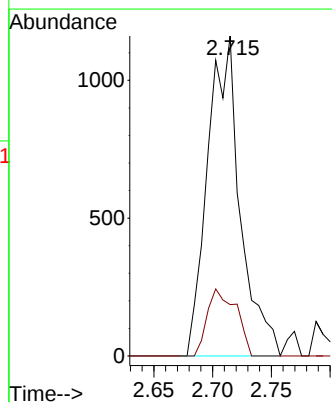
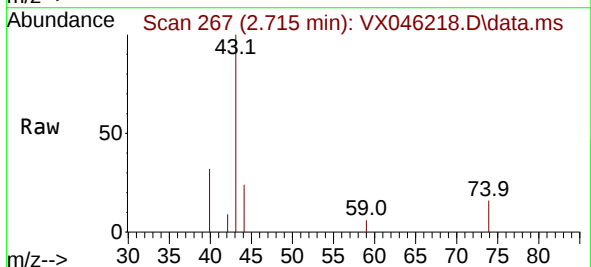
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

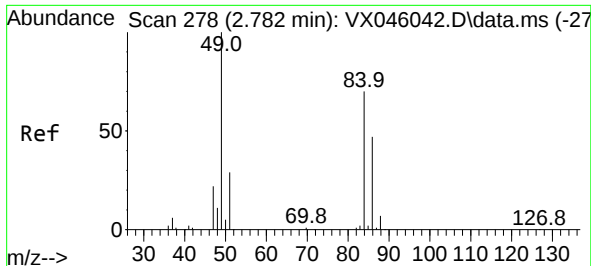
Tgt Ion: 43 Resp: 17549
Ion Ratio Lower Upper
43 100
58 24.7 21.2 31.8



#18
Methyl Acetate
Concen: 2.073 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion: 43 Resp: 2231
Ion Ratio Lower Upper
43 100
74 18.6 16.7 25.1

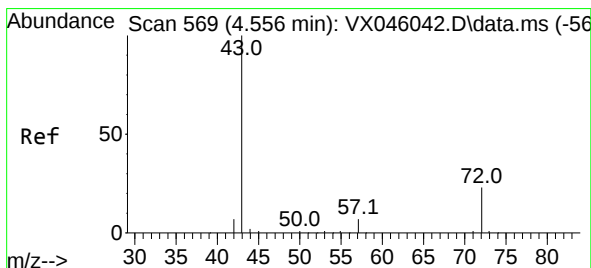
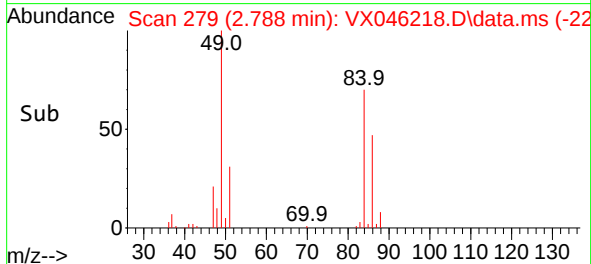
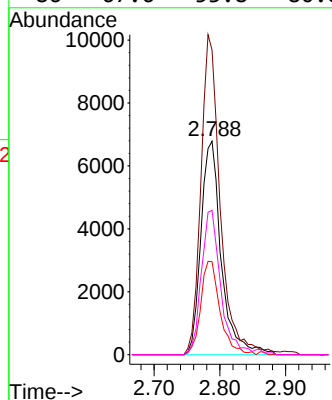
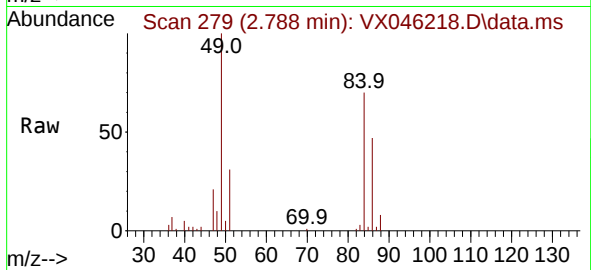




#20
Methylene Chloride
Concen: 16.455 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

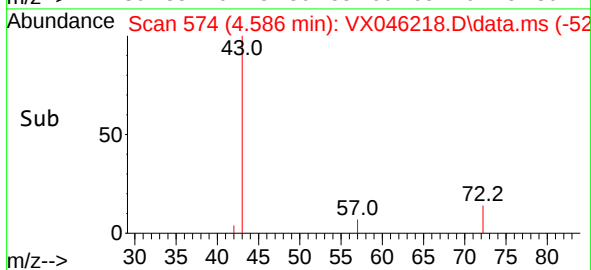
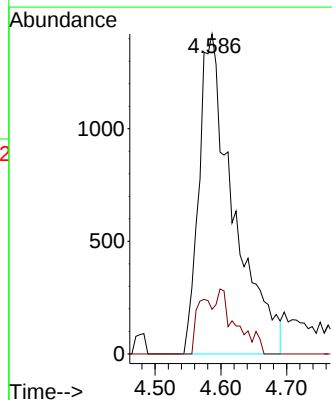
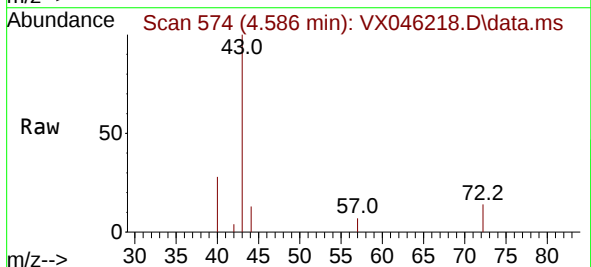
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

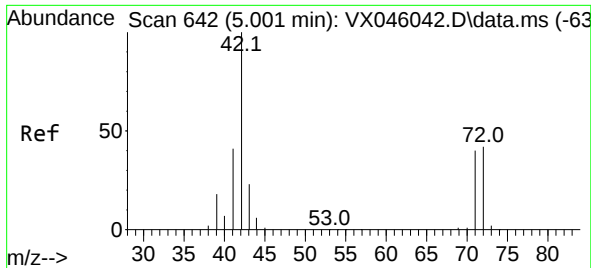
Tgt Ion:	84	Resp:	14627
Ion	Ratio	Lower	Upper
84	100		
49	142.8	113.9	170.9
51	43.6	33.5	50.3
86	67.6	53.8	80.8



#25
2-Butanone
Concen: 7.676 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion:	43	Resp:	5169
Ion	Ratio	Lower	Upper
43	100		
72	13.9	18.4	27.6#





#29

Tetrahydrofuran

Concen: 0.225 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX046218.D

Acq: 15 May 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

L3-WC-4

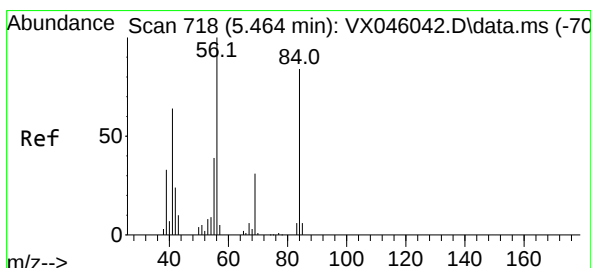
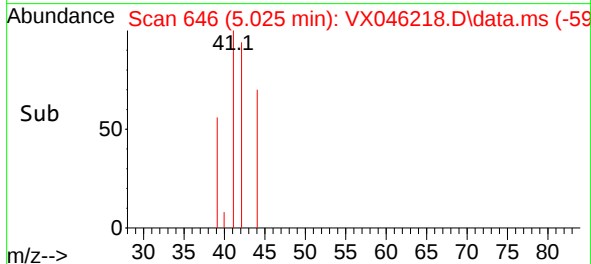
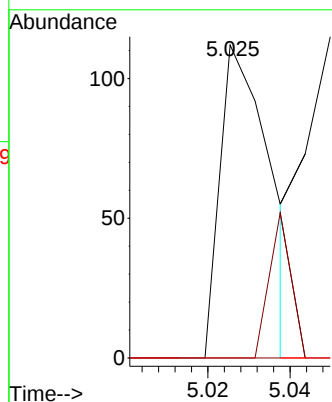
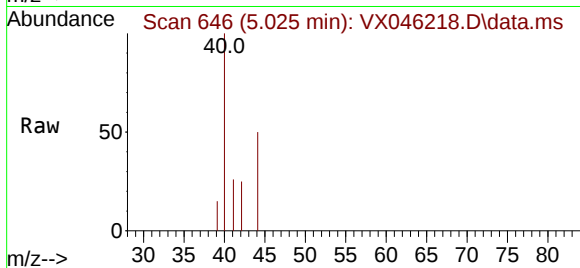
Tgt Ion: 42 Resp: 95

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.4 47.2#



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX046218.D

Acq: 15 May 2025 16:54

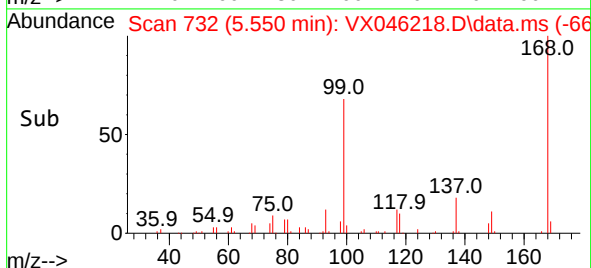
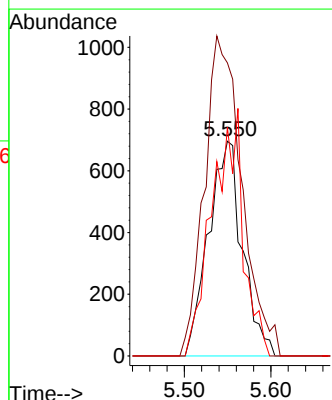
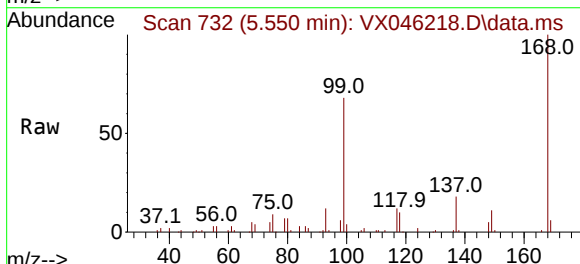
Tgt Ion: 56 Resp: 1892

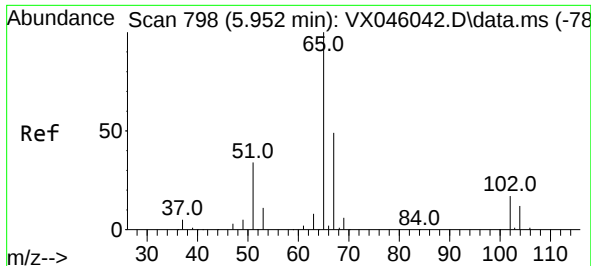
Ion Ratio Lower Upper

56 100

69 136.5 24.4 36.6#

84 106.5 66.9 100.3#

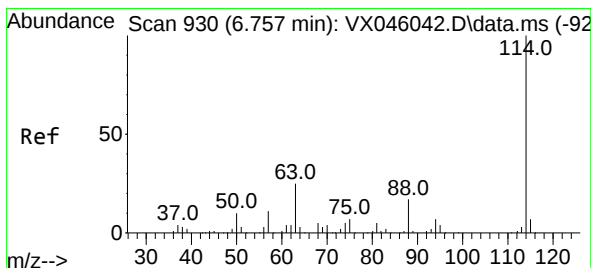
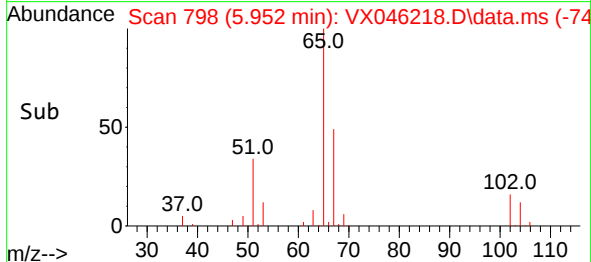
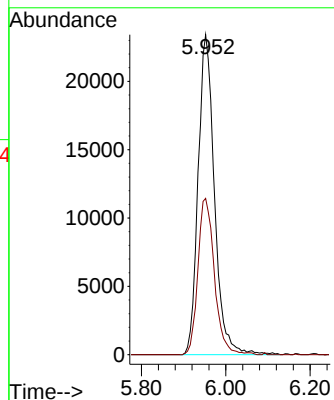
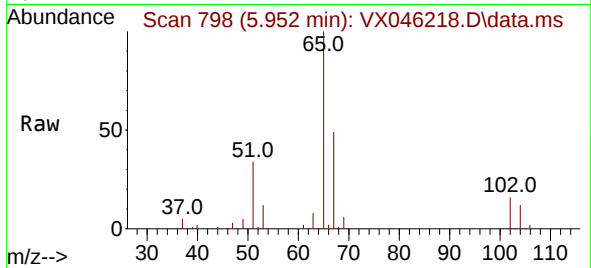




#33
 1,2-Dichloroethane-d4
 Concen: 54.597 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046218.D
 Acq: 15 May 2025 16:54

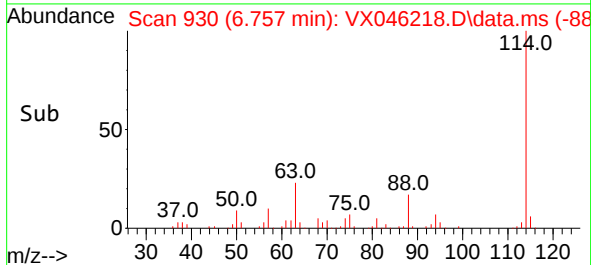
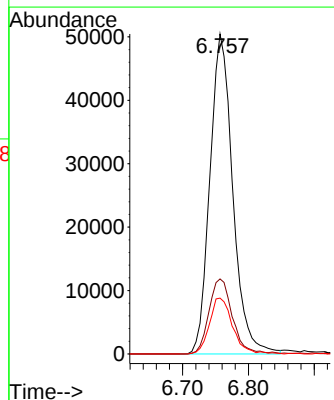
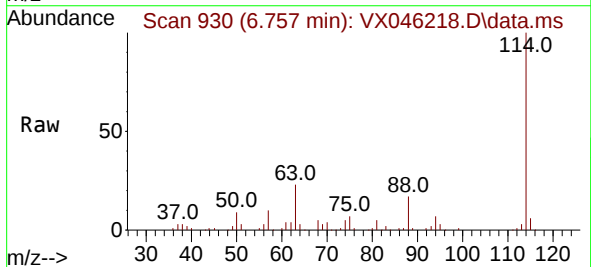
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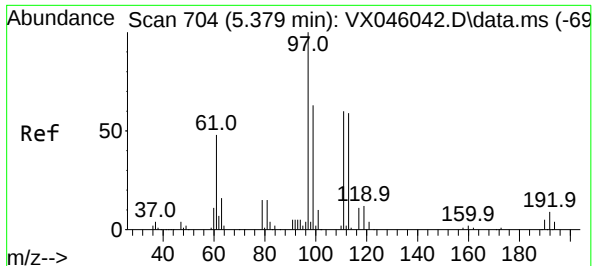
Tgt Ion: 65 Resp: 63161
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046218.D
 Acq: 15 May 2025 16:54

Tgt Ion: 114 Resp: 122291
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 49.2
 88 17.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.797 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046218.D

Acq: 15 May 2025 16:54

Instrument :

MSVOA_X

ClientSampleId :

L3-WC-4

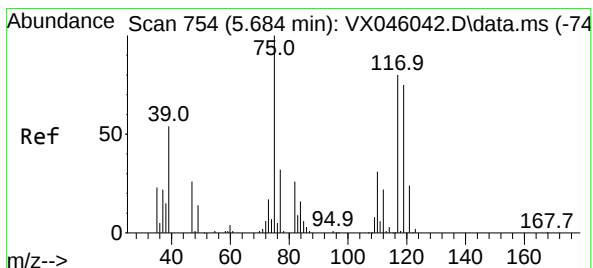
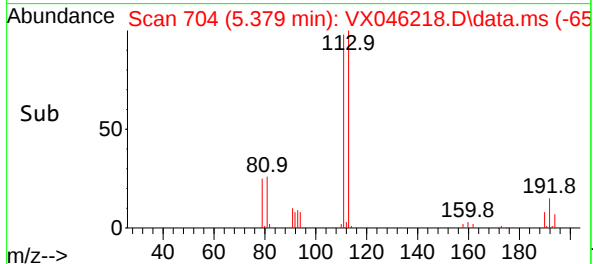
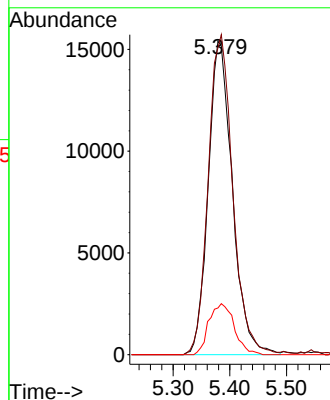
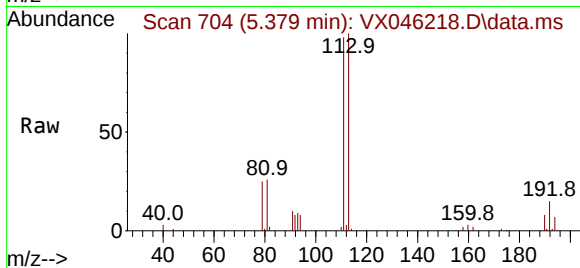
Tgt Ion:113 Resp: 45614

Ion Ratio Lower Upper

113 100

111 103.5 83.1 124.7

192 17.1 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.168 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX046218.D

Acq: 15 May 2025 16:54

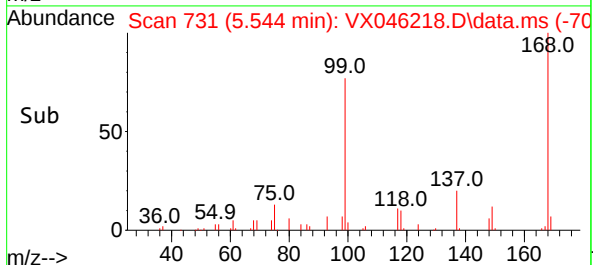
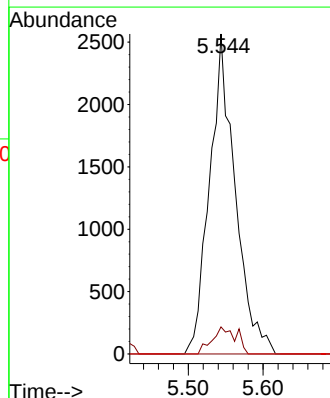
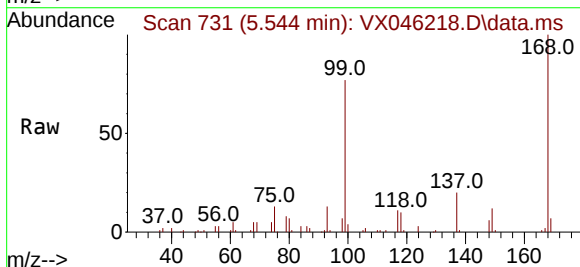
Tgt Ion: 75 Resp: 6115

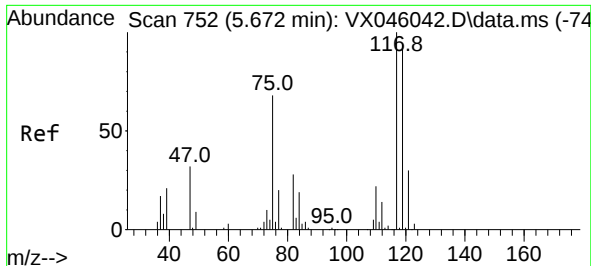
Ion Ratio Lower Upper

75 100

110 8.0 16.3 48.9#

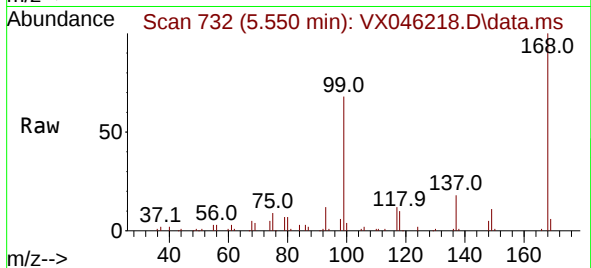
77 0.0 24.3 36.5#



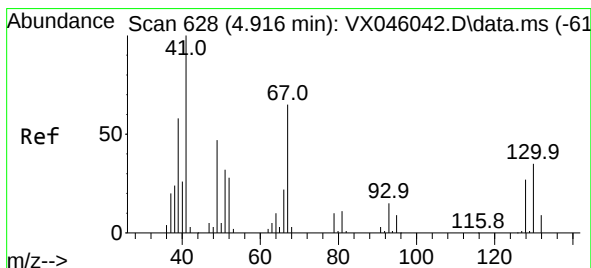
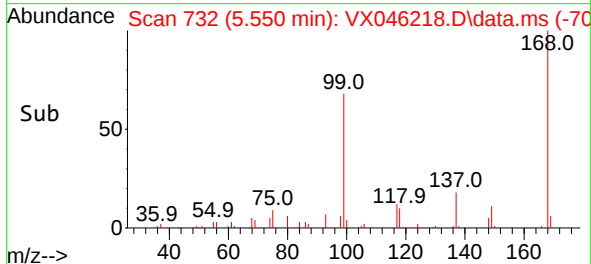
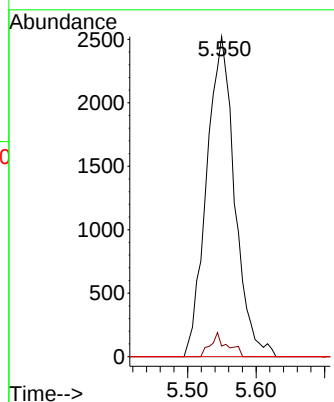


#38
Carbon Tetrachloride
Concen: 5.411 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

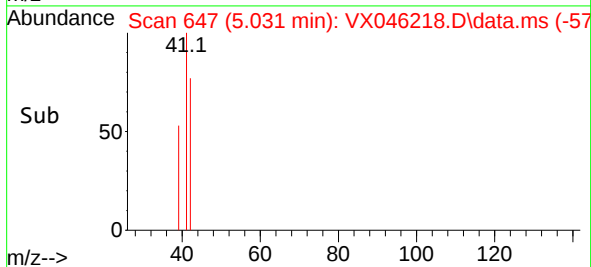
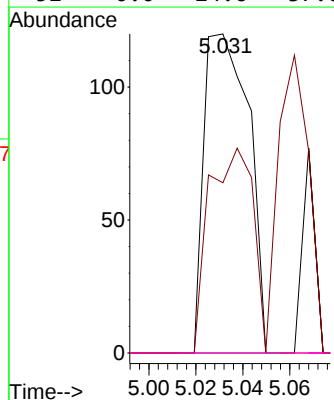
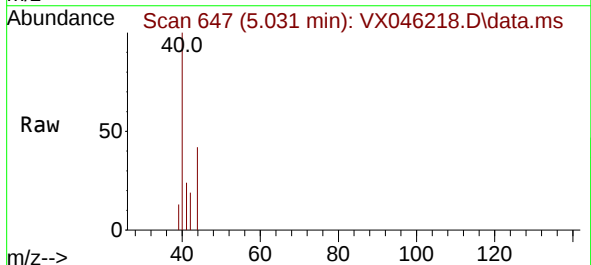


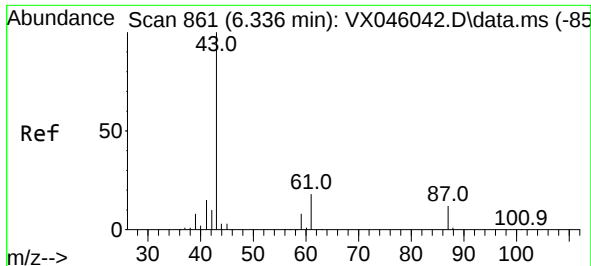
Tgt Ion:117 Resp: 7193
Ion Ratio Lower Upper
117 100
119 3.3 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.208 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion: 41 Resp: 159
Ion Ratio Lower Upper
41 100
39 62.9 47.2 70.8
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

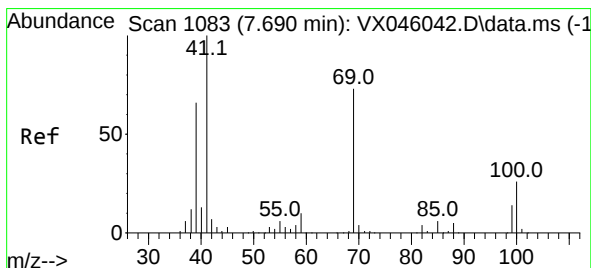
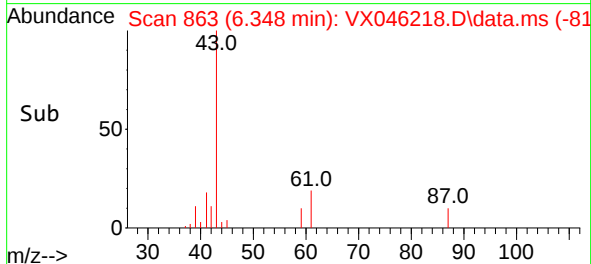
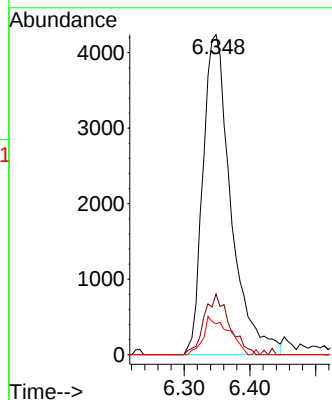
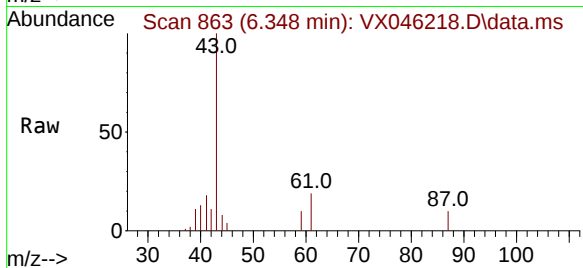




#43
Isopropyl Acetate
Concen: 5.627 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

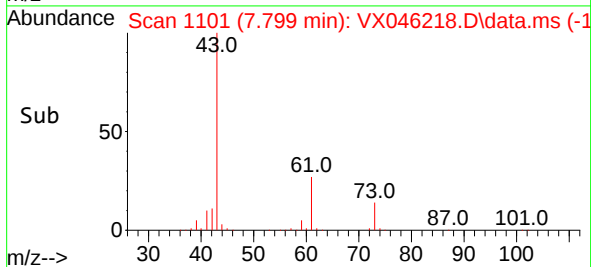
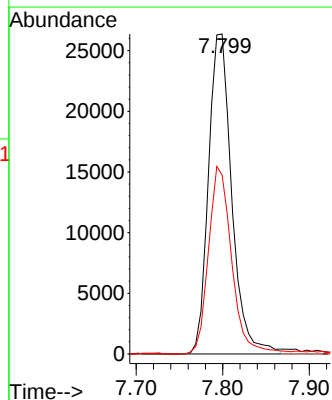
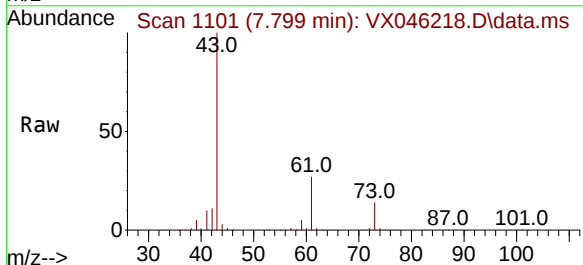
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

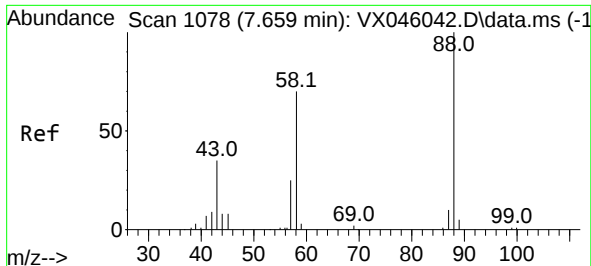
Tgt Ion: 43 Resp: 12548
Ion Ratio Lower Upper
43 100
61 17.1 14.3 21.5
87 10.8 9.5 14.3



#48
Methyl methacrylate
Concen: 43.293 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion: 41 Resp: 49309
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 58.5 51.7 77.5

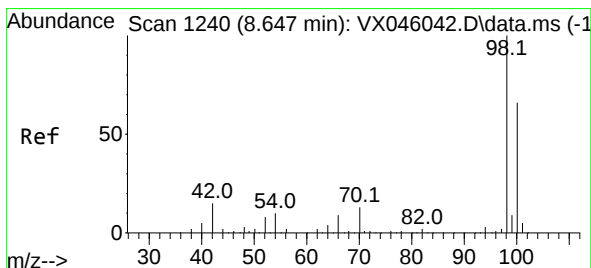
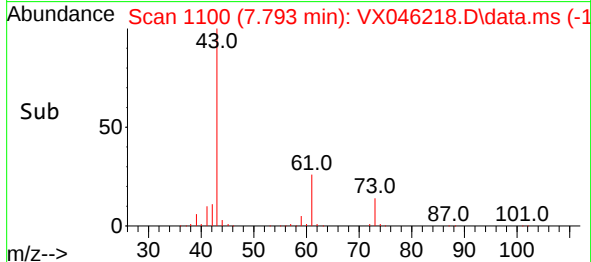
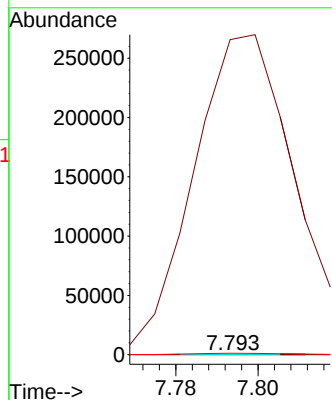
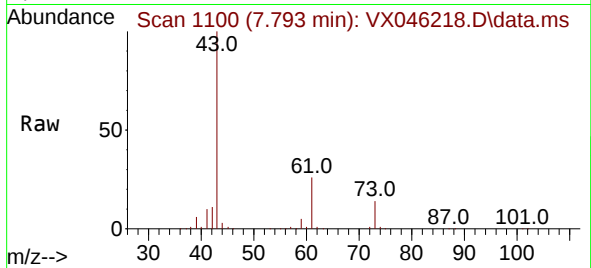




#49
1,4-Dioxane
Concen: 0.925 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

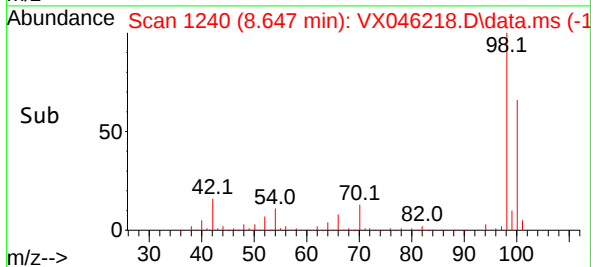
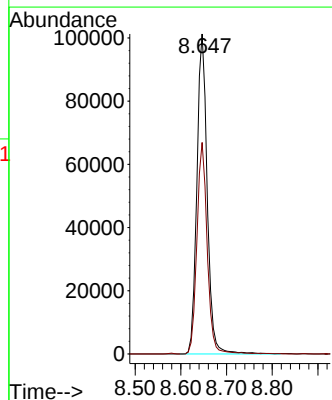
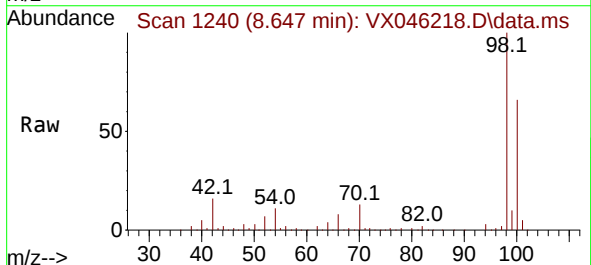
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

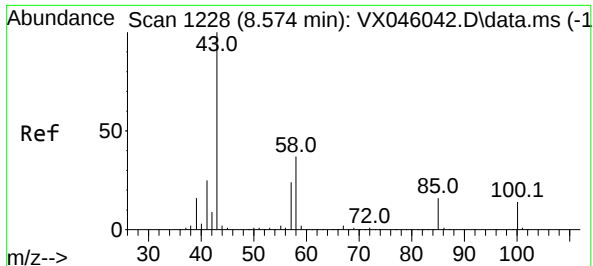
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 2453685.0 33.4 50.2#
58 11305.0 58.6 88.0#



#50
Toluene-d8
Concen: 52.245 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion: 98 Resp: 159242
Ion Ratio Lower Upper
98 100
100 65.8 53.5 80.3

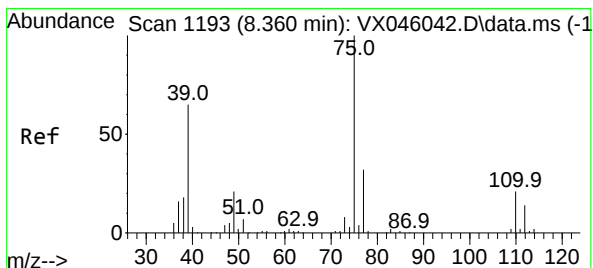
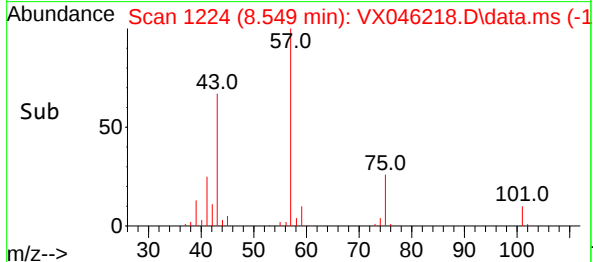
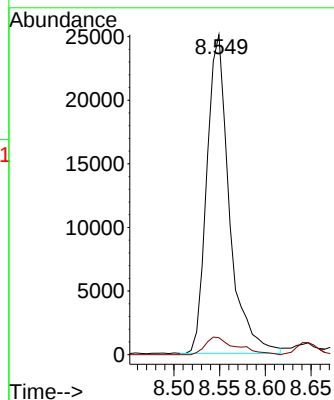
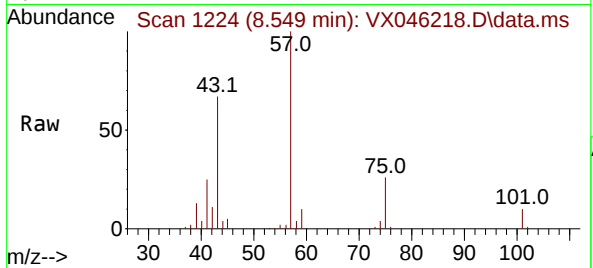




#51
4-Methyl-2-Pentanone
Concen: 28.919 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

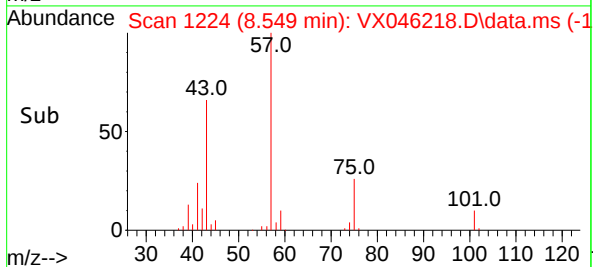
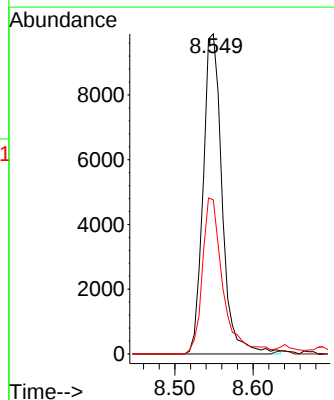
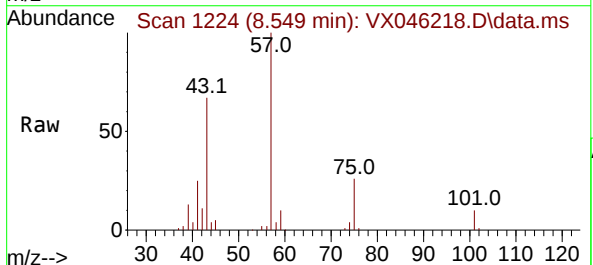
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

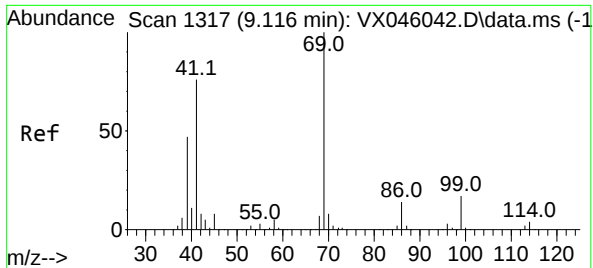
Tgt Ion: 43 Resp: 42810
Ion Ratio Lower Upper
43 100
58 7.5 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 12.644 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion: 75 Resp: 16629
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 48.1 52.2 78.4#

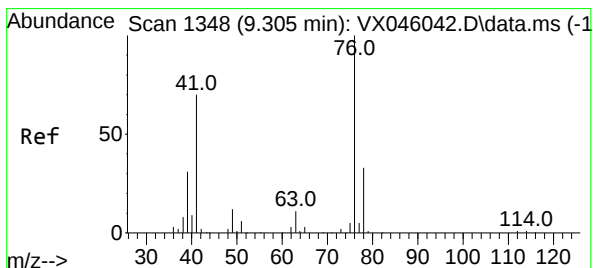
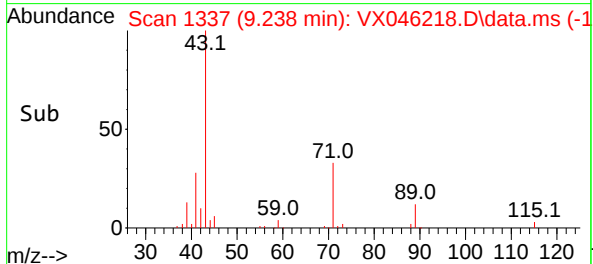
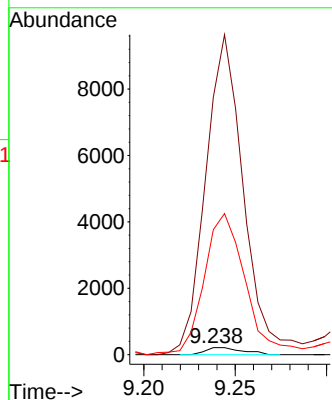
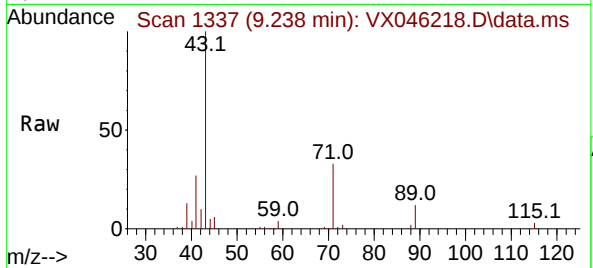




#56
Ethyl methacrylate
Concen: 0.225 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

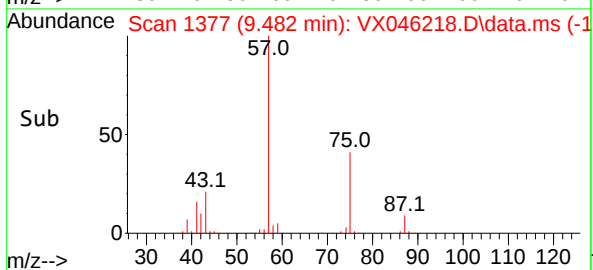
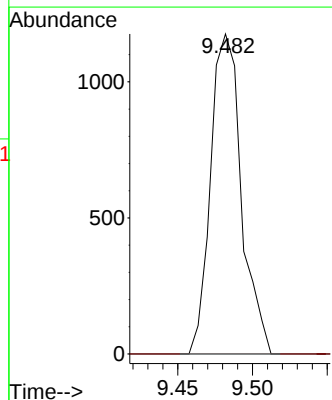
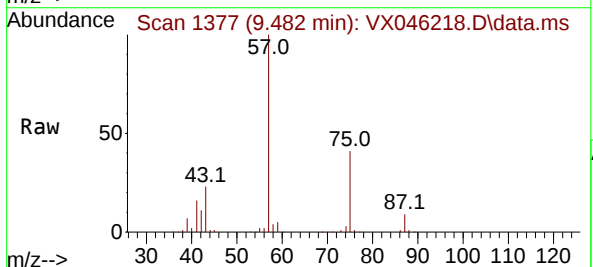
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

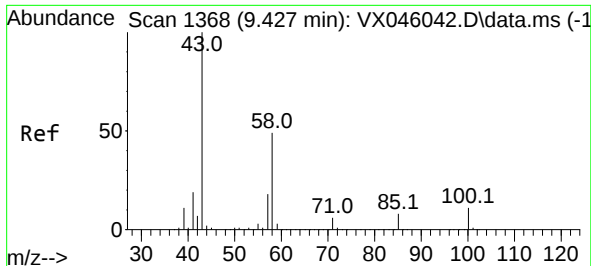
Tgt Ion: 69 Resp: 300
Ion Ratio Lower Upper
69 100
41 4657.3 60.8 91.2#
39 2229.3 39.0 58.6#



#57
1,3-Dichloropropane
Concen: 1.118 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion: 76 Resp: 1682
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

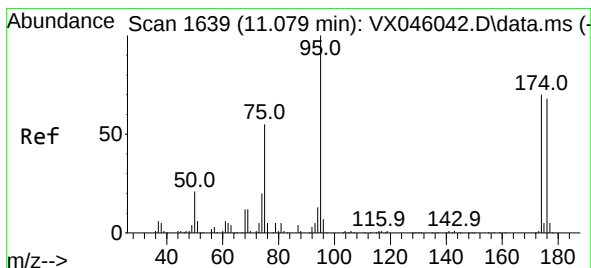
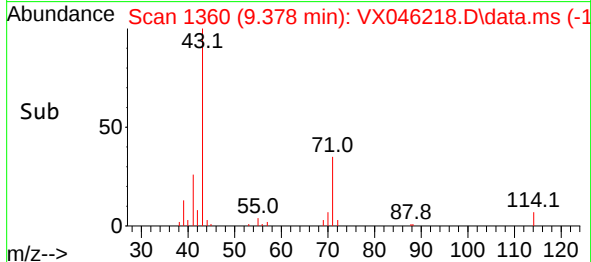
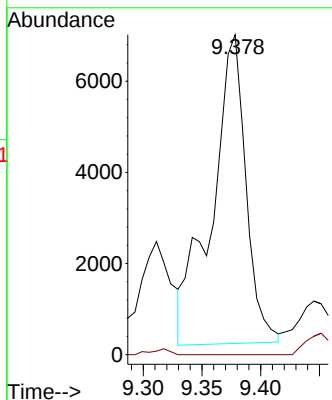
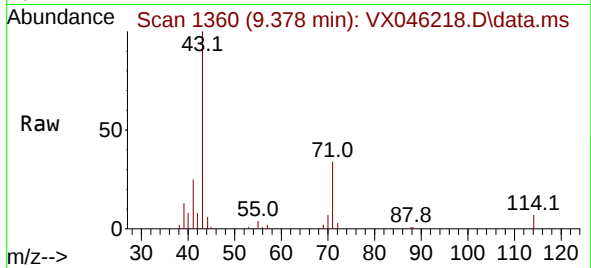




#59
2-Hexanone
Concen: 12.503 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

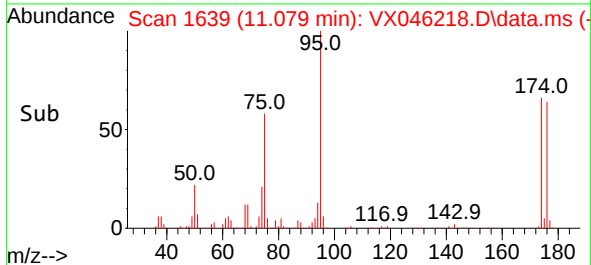
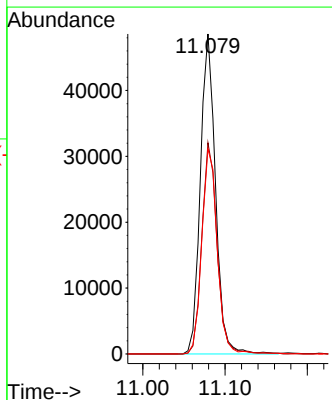
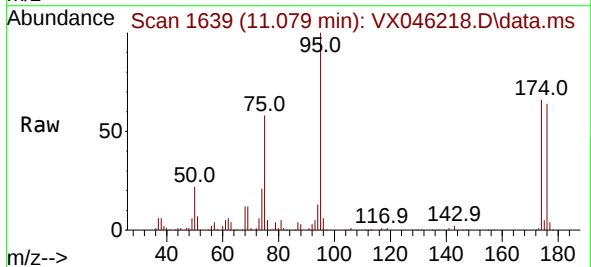
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

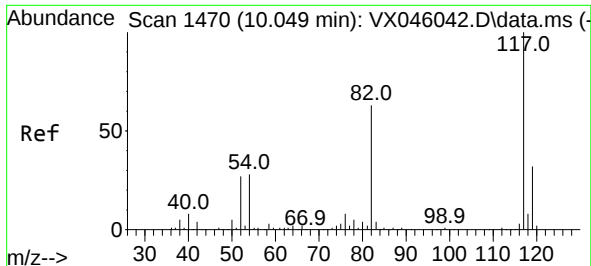
Tgt Ion: 43 Resp: 13693
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.224 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion: 95 Resp: 62227
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.8
176 65.6 0.0 131.4

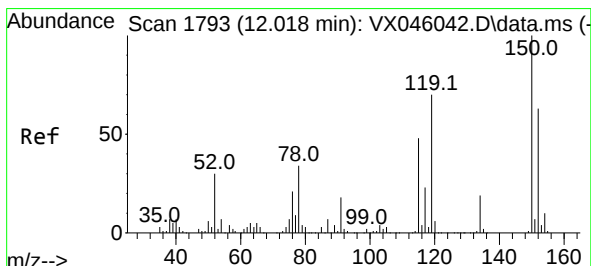
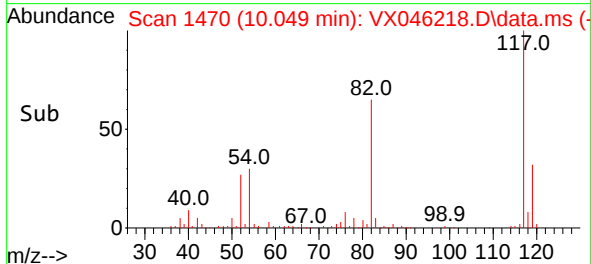
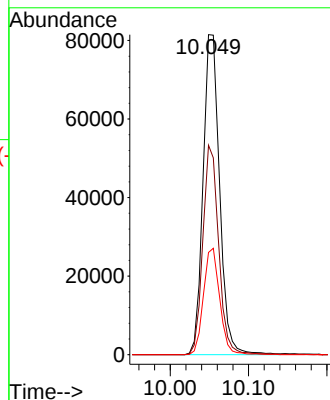
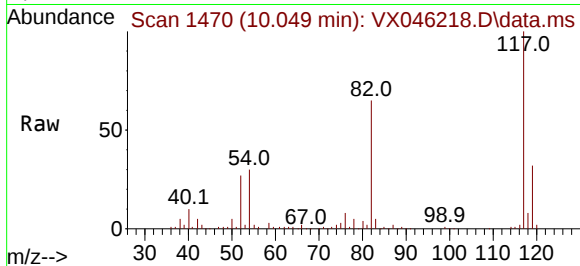




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

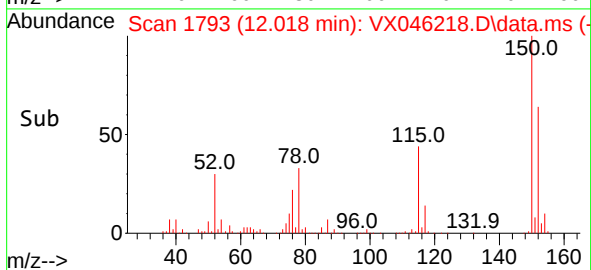
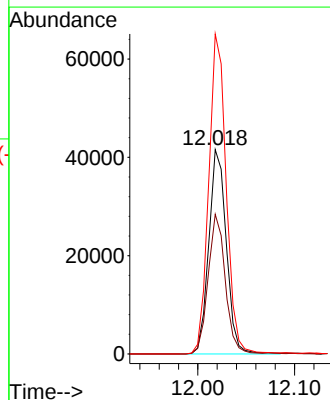
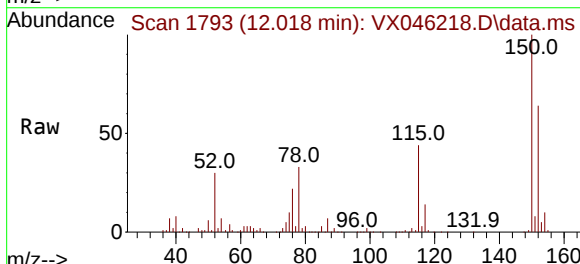
Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

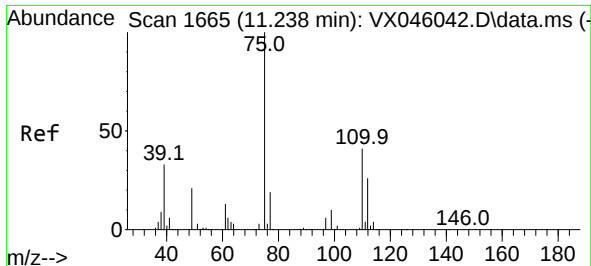
Tgt Ion:117 Resp: 119697
Ion Ratio Lower Upper
117 100
82 65.4 50.6 76.0
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion:152 Resp: 52624
Ion Ratio Lower Upper
152 100
115 66.8 46.9 140.7
150 155.9 0.0 351.0

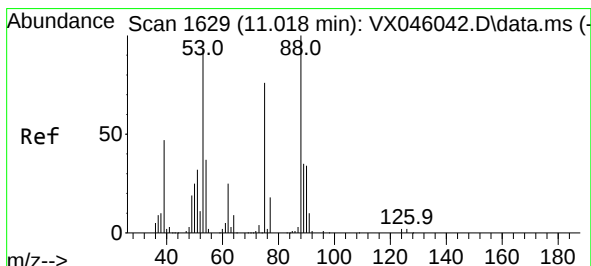
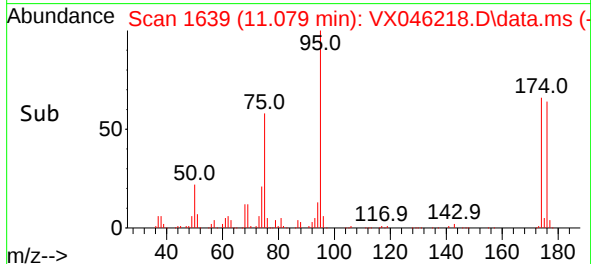
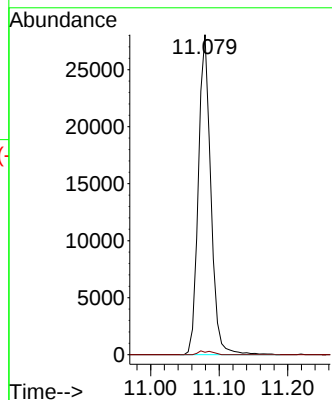
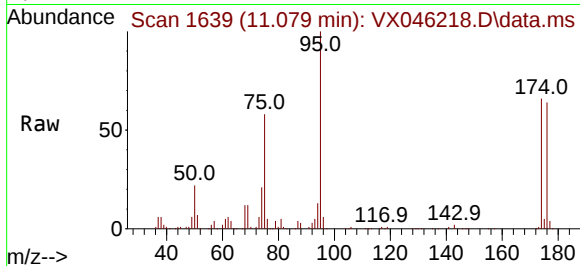




#76
1,2,3-Trichloropropane
Concen: 28.096 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Instrument :
MSVOA_X
ClientSampleId :
L3-WC-4

Tgt Ion: 75 Resp: 35589
Ion Ratio Lower Upper
75 100
77 1.3 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.472 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046218.D
Acq: 15 May 2025 16:54

Tgt Ion: 75 Resp: 35589
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

