

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051925\
 Data File : VX046266.D
 Acq On : 19 May 2025 14:37
 Operator : JC/MD
 Sample : Q2062-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 L1-WC-4

Quant Time: May 19 23:11:23 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)

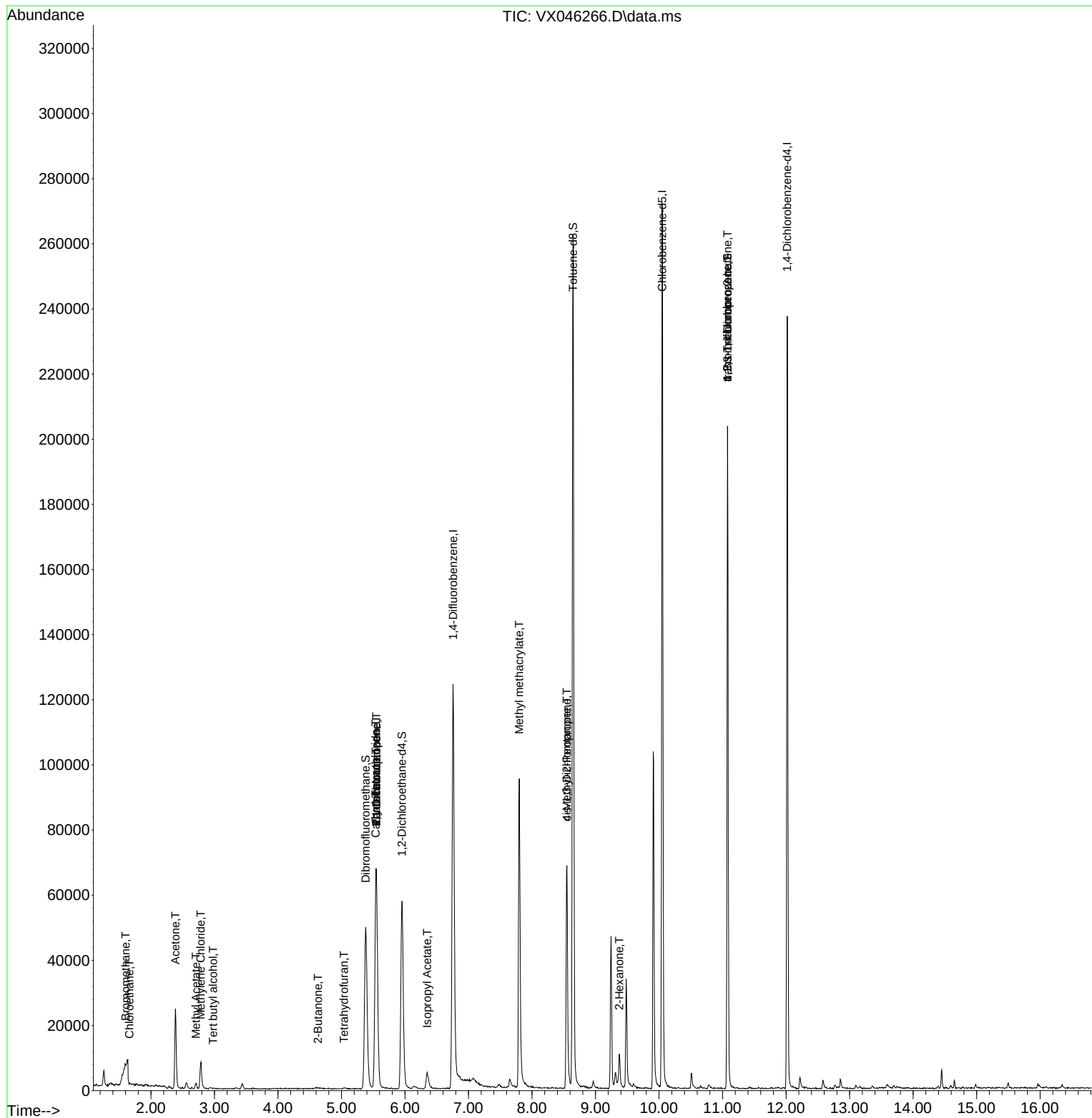
Internal Standards						
1) Pentafluorobenzene	5.550	168	57109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	114370	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	109685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	43694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60174	56.518	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.040%			
35) Dibromofluoromethane	5.379	113	43529	52.853	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.700%			
50) Toluene-d8	8.647	98	148345	52.041	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.080%			
62) 4-Bromofluorobenzene	11.079	95	53360	48.801	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.600%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	103	0.281	ug/l #	4
6) Chloroethane	1.660	64	171	0.406	ug/l #	44
11) Tert butyl alcohol	2.977	59	203	1.358	ug/l #	72
16) Acetone	2.386	43	26465	61.994	ug/l	97
18) Methyl Acetate	2.709	43	2144	2.164	ug/l	91
20) Methylene Chloride	2.782	84	3827	4.678	ug/l	87
25) 2-Butanone	4.629	43	1143	1.844	ug/l #	53
29) Tetrahydrofuran	5.038	42	150	0.386	ug/l #	60
31) Cyclohexane	5.544	56	1839	1.449	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	5622	5.081	ug/l #	52
38) Carbon Tetrachloride	5.537	117	7087	5.700	ug/l #	15
43) Isopropyl Acetate	6.348	43	7680	3.682	ug/l	96
48) Methyl methacrylate	7.799	41	10143	9.522	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	27588	19.927	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	10710	8.708	ug/l #	65
59) 2-Hexanone	9.372	43	8299	8.102	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	30666	29.158	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30666	94.928	ug/l #	1

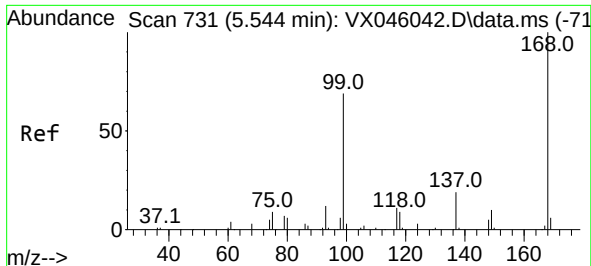
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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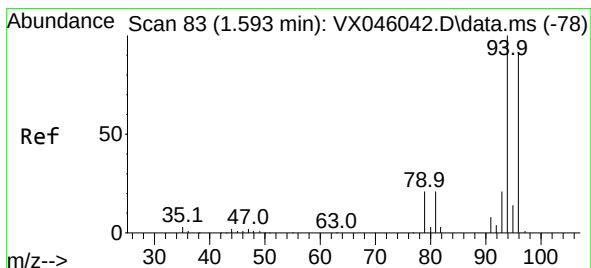
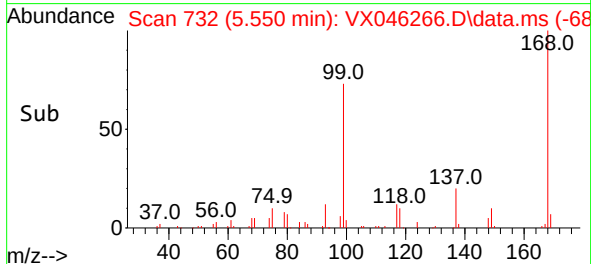
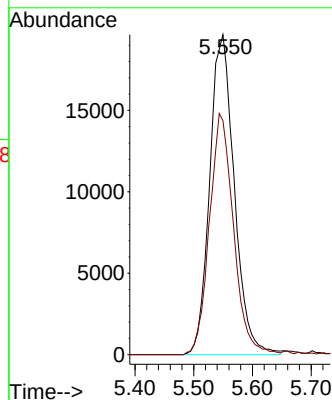
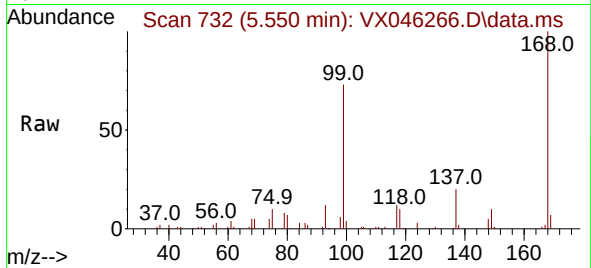




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

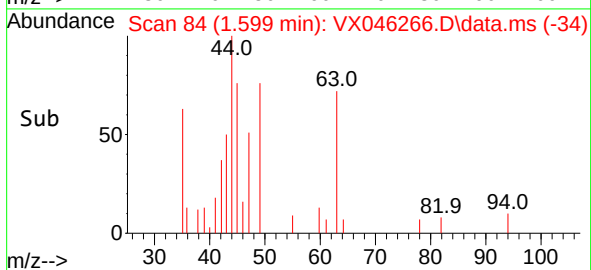
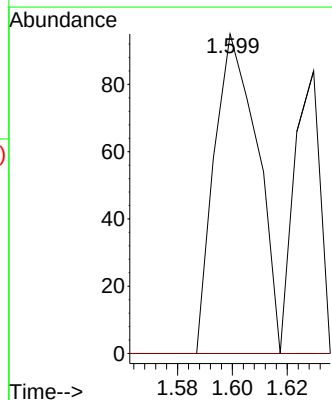
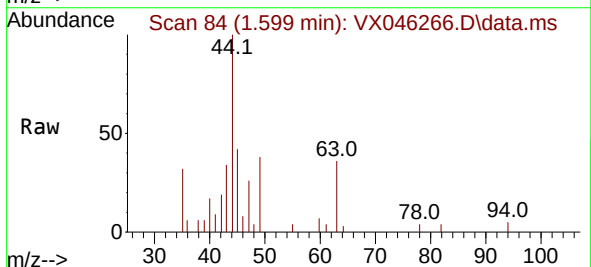
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-4

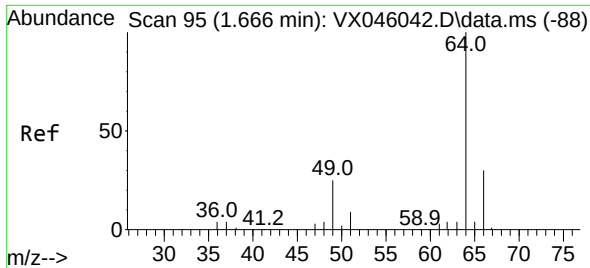
Tgt Ion:168 Resp: 57109
Ion Ratio Lower Upper
168 100
99 73.2 54.9 82.3



#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

Tgt Ion: 94 Resp: 103
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

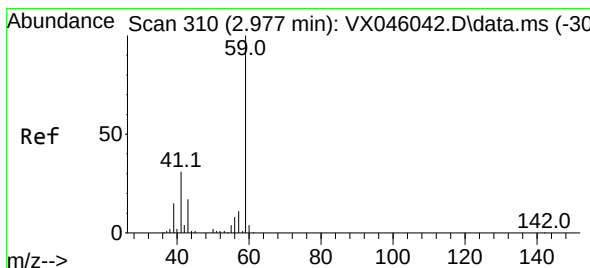
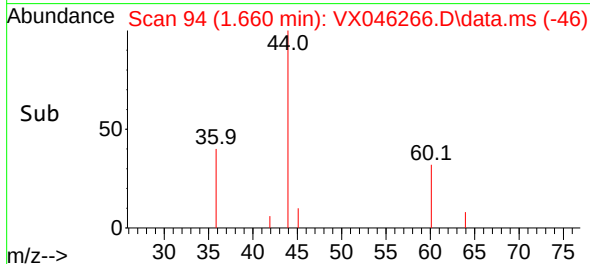
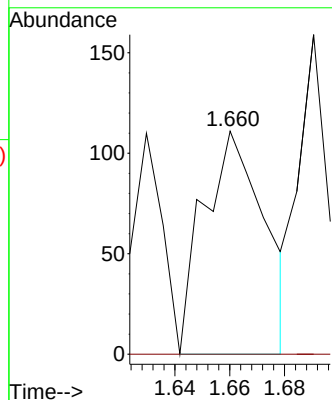
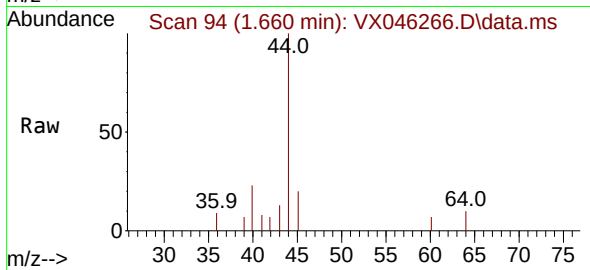




#6
 Chloroethane
 Concen: 0.406 ug/l
 RT: 1.660 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VX046266.D
 Acq: 19 May 2025 14:37

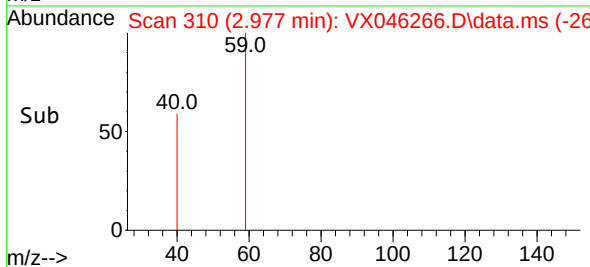
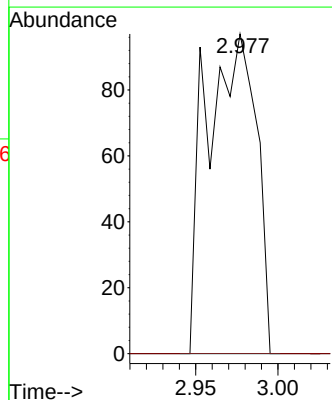
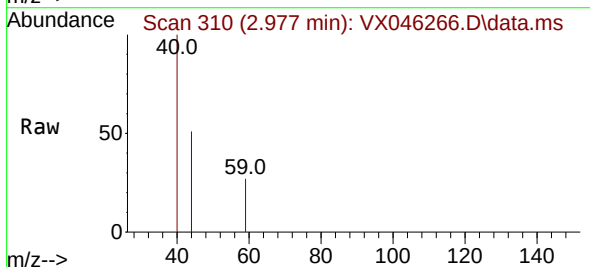
Instrument :
 MSVOA_X
 ClientSampleId :
 L1-WC-4

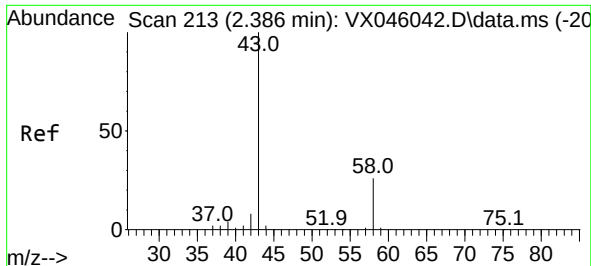
Tgt Ion: 64 Resp: 171
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.3 36.5#



#11
 Tert butyl alcohol
 Concen: 1.358 ug/l
 RT: 2.977 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VX046266.D
 Acq: 19 May 2025 14:37

Tgt Ion: 59 Resp: 203
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

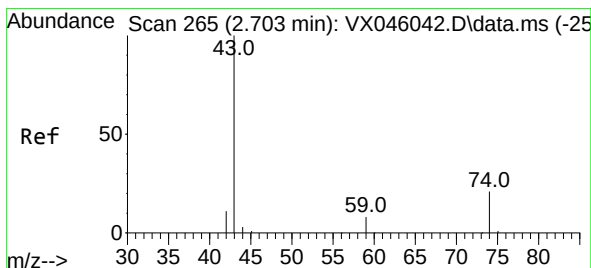
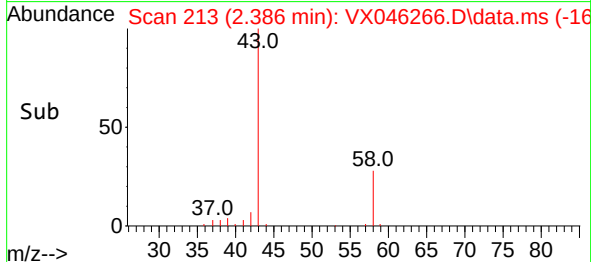
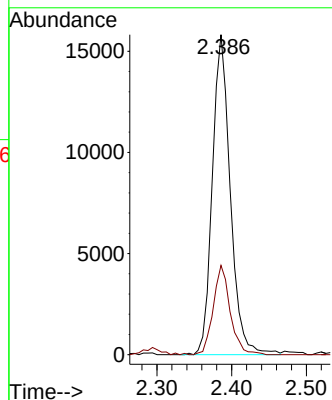
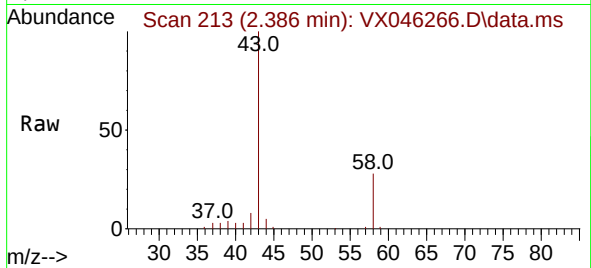




#16
Acetone
Concen: 61.994 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

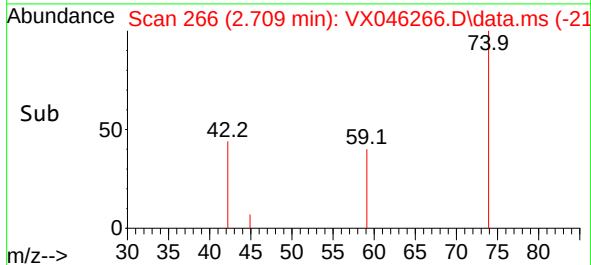
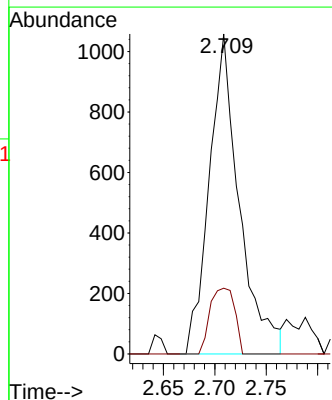
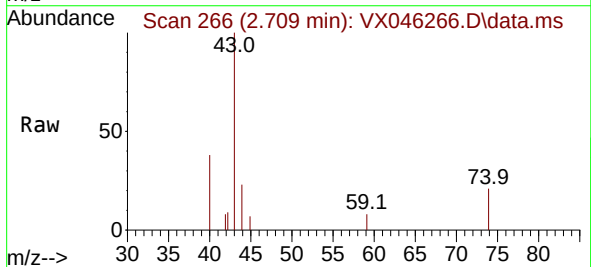
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-4

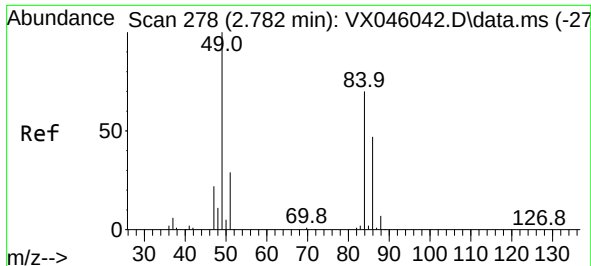
Tgt Ion: 43 Resp: 26465
Ion Ratio Lower Upper
43 100
58 27.9 21.2 31.8



#18
Methyl Acetate
Concen: 2.164 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

Tgt Ion: 43 Resp: 2144
Ion Ratio Lower Upper
43 100
74 16.9 16.7 25.1





#20

Methylene Chloride

Concen: 4.678 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046266.D

Acq: 19 May 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

L1-WC-4

Tgt Ion: 84 Resp: 3827

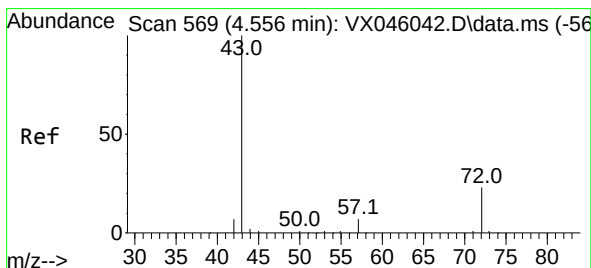
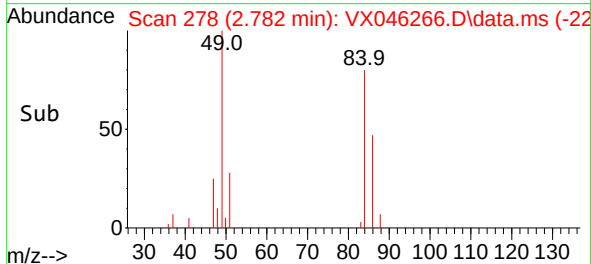
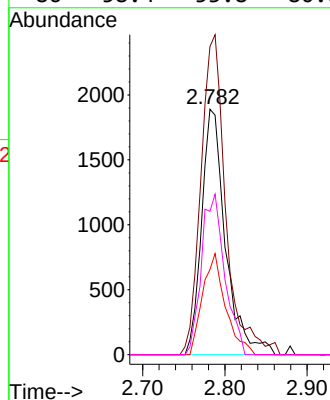
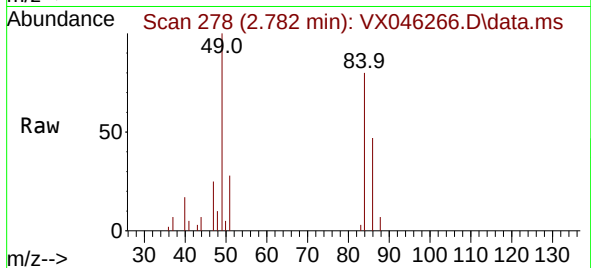
Ion Ratio Lower Upper

84 100

49 125.6 113.9 170.9

51 34.7 33.5 50.3

86 58.4 53.8 80.8



#25

2-Butanone

Concen: 1.844 ug/l

RT: 4.629 min Scan# 581

Delta R.T. 0.073 min

Lab File: VX046266.D

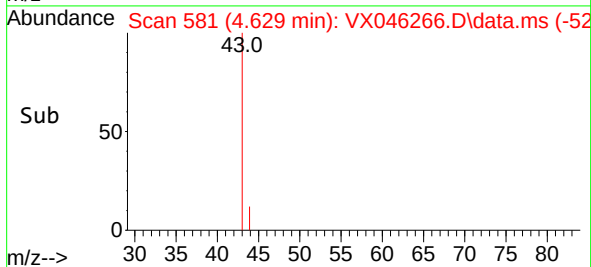
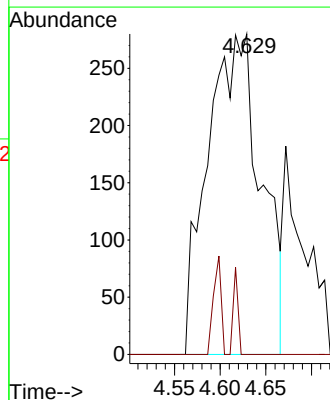
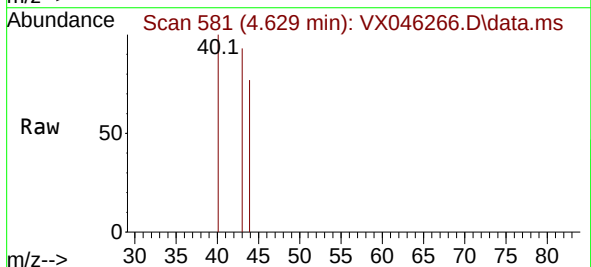
Acq: 19 May 2025 14:37

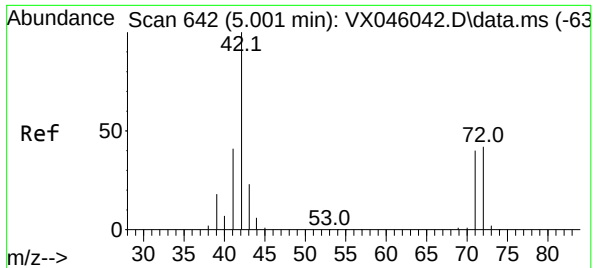
Tgt Ion: 43 Resp: 1143

Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#





#29

Tetrahydrofuran

Concen: 0.386 ug/l

RT: 5.038 min Scan# 642

Delta R.T. 0.036 min

Lab File: VX046266.D

Acq: 19 May 2025 14:37

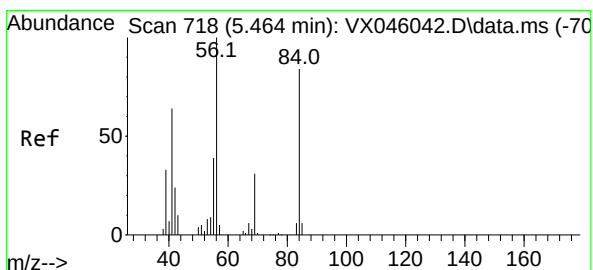
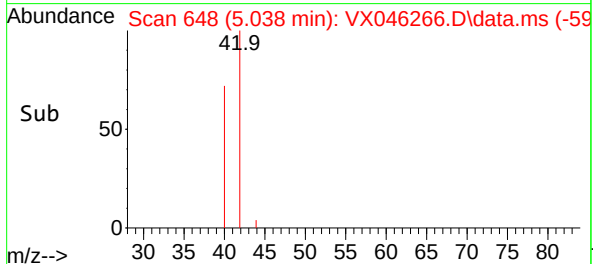
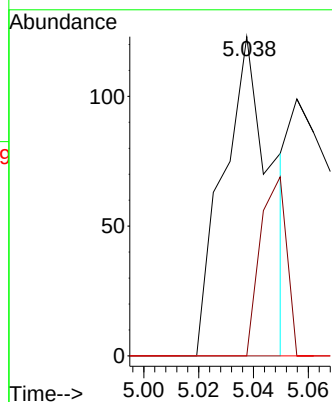
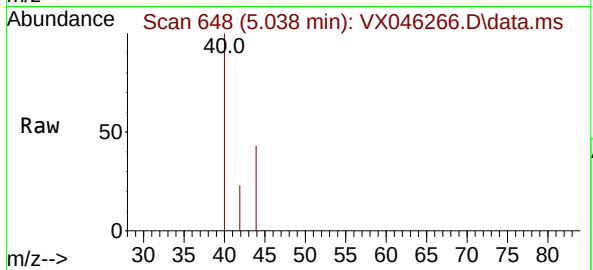
Instrument :

MSVOA_X

ClientSampleId :

L1-WC-4

Tgt Ion:	42	Resp:	150
Ion	Ratio	Lower	Upper
42	100		
72	30.7	33.7	50.5#
71	0.0	31.4	47.2#



#31

Cyclohexane

Concen: 1.449 ug/l

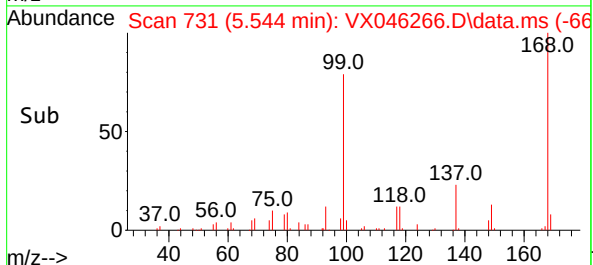
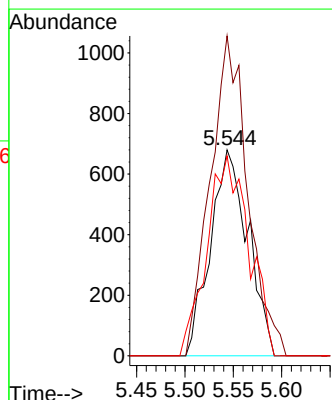
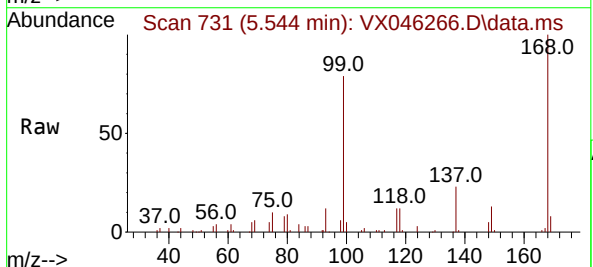
RT: 5.544 min Scan# 731

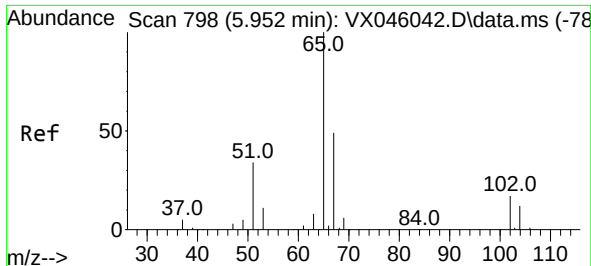
Delta R.T. 0.079 min

Lab File: VX046266.D

Acq: 19 May 2025 14:37

Tgt Ion:	56	Resp:	1839
Ion	Ratio	Lower	Upper
56	100		
69	155.3	24.4	36.6#
84	97.1	66.9	100.3

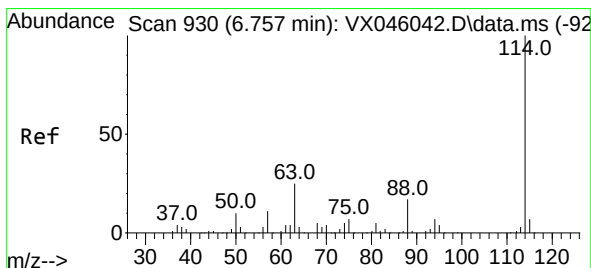
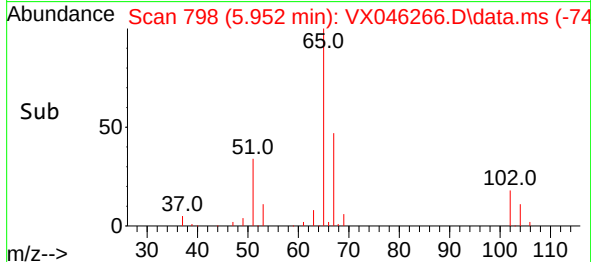
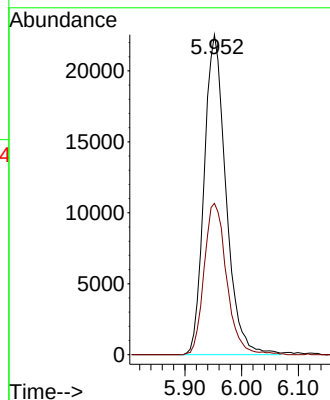
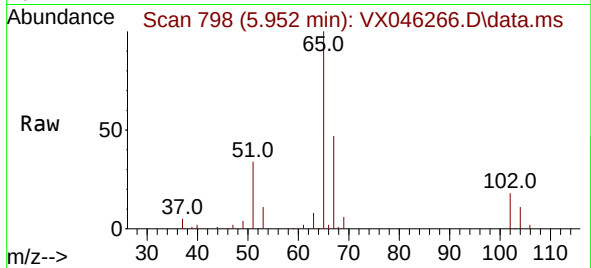




#33
 1,2-Dichloroethane-d4
 Concen: 56.518 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046266.D
 Acq: 19 May 2025 14:37

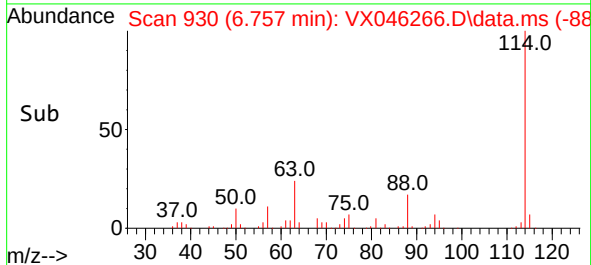
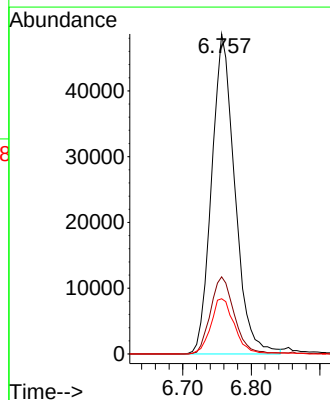
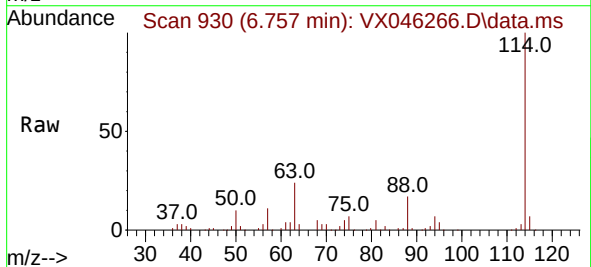
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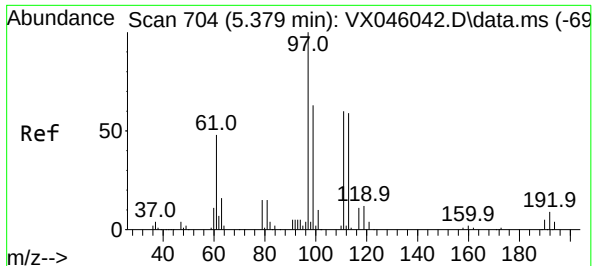
Tgt Ion: 65 Resp: 60174
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046266.D
 Acq: 19 May 2025 14:37

Tgt Ion: 114 Resp: 114370
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 17.2 0.0 33.6

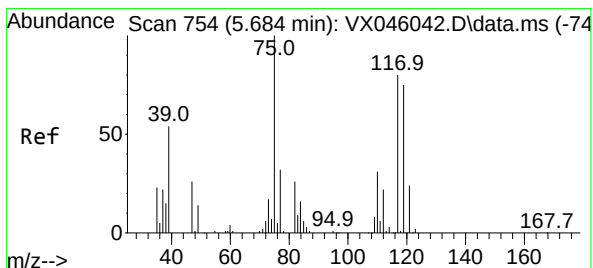
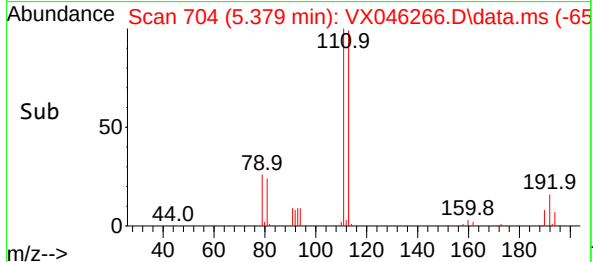
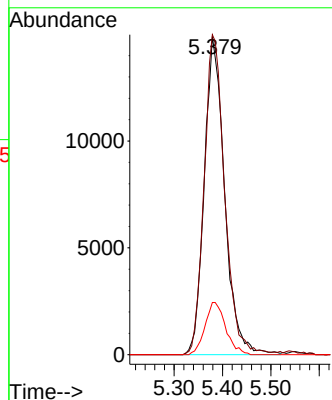
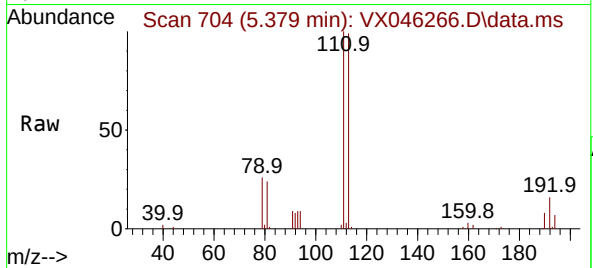




#35
Dibromofluoromethane
Concen: 52.853 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

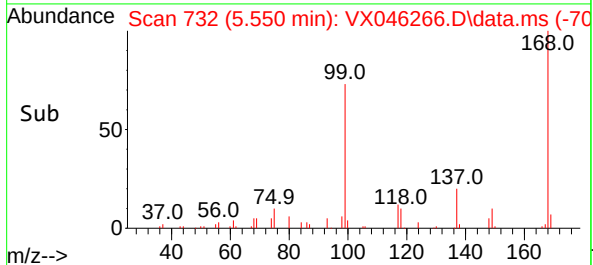
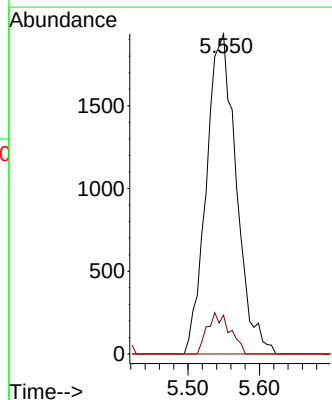
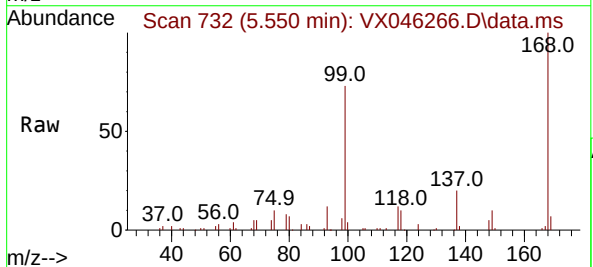
Instrument :
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L1-WC-4

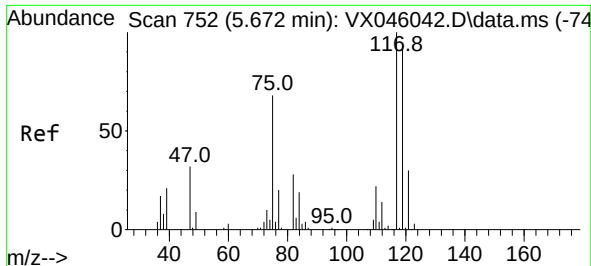
Tgt Ion:113 Resp: 43529
Ion Ratio Lower Upper
113 100
111 101.7 83.1 124.7
192 16.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.081 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

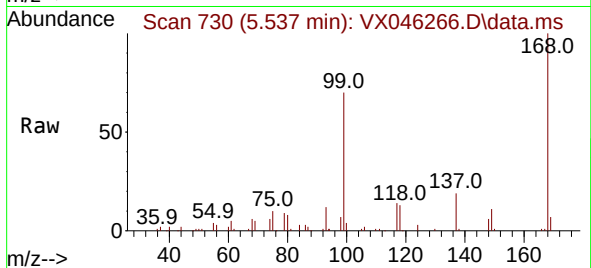
Tgt Ion: 75 Resp: 5622
Ion Ratio Lower Upper
75 100
110 9.7 16.3 48.9#
77 0.0 24.3 36.5#



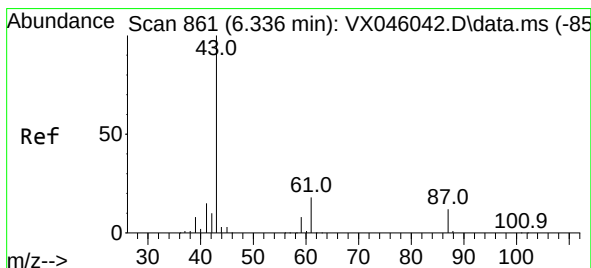
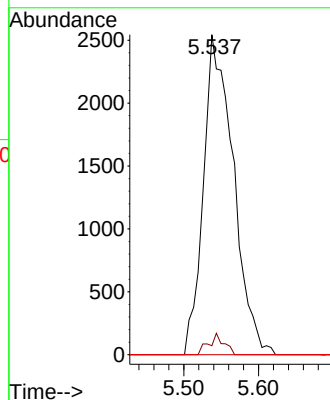
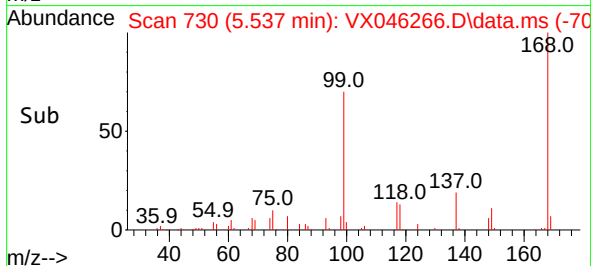


#38
Carbon Tetrachloride
Concen: 5.700 ug/l
RT: 5.537 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
L1-WC-4

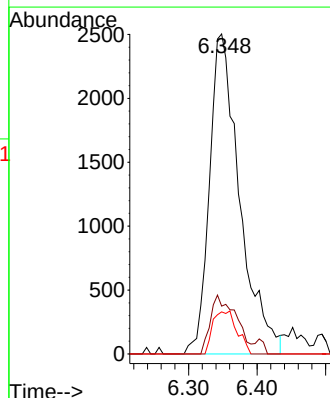
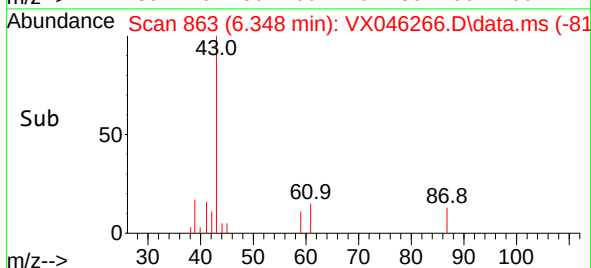
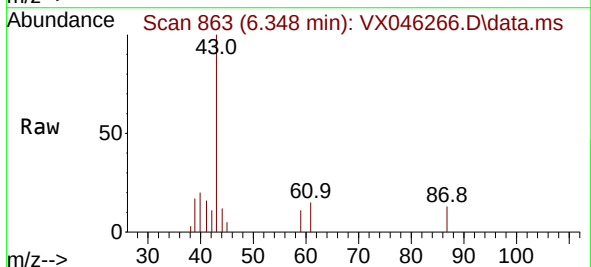


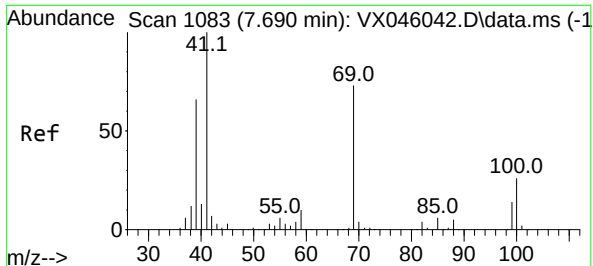
Tgt Ion:117 Resp: 7087
Ion Ratio Lower Upper
117 100
119 2.8 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 3.682 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

Tgt Ion: 43 Resp: 7680
Ion Ratio Lower Upper
43 100
61 15.5 14.3 21.5
87 10.7 9.5 14.3





#48

Methyl methacrylate

Concen: 9.522 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX046266.D

Acq: 19 May 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

L1-WC-4

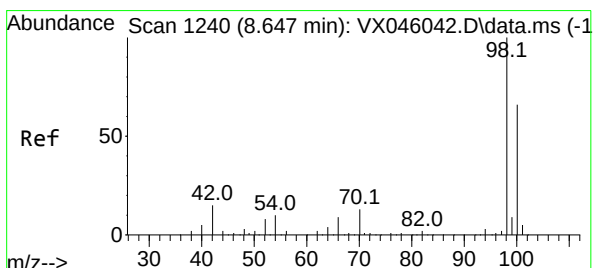
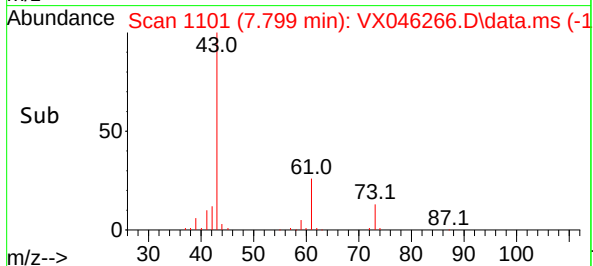
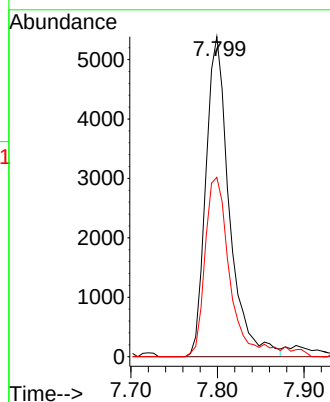
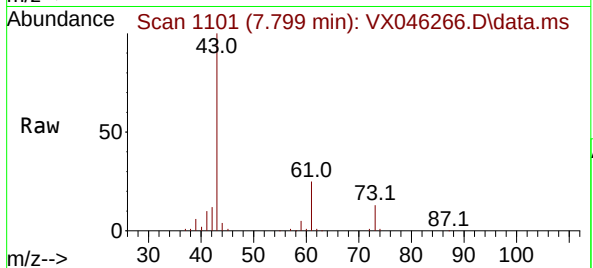
Tgt Ion: 41 Resp: 10143

Ion Ratio Lower Upper

41 100

69 0.0 58.5 87.7#

39 59.2 51.7 77.5



#50

Toluene-d8

Concen: 52.041 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046266.D

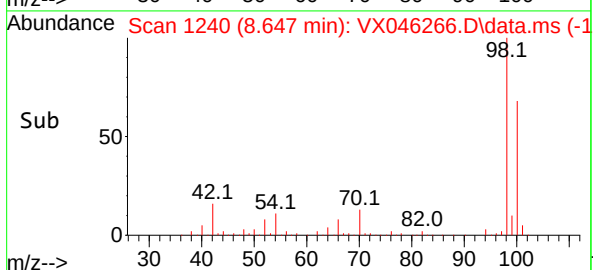
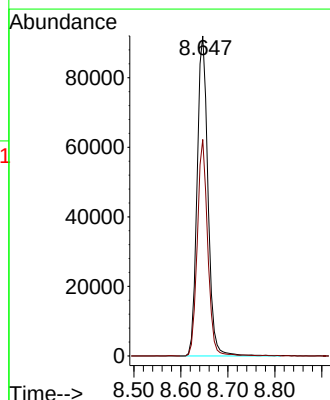
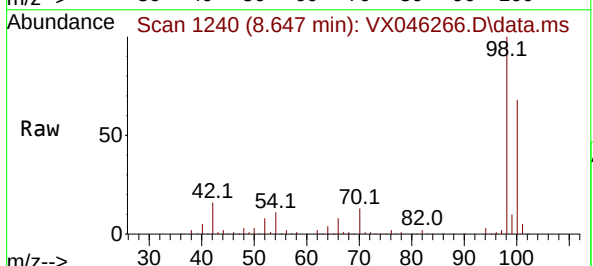
Acq: 19 May 2025 14:37

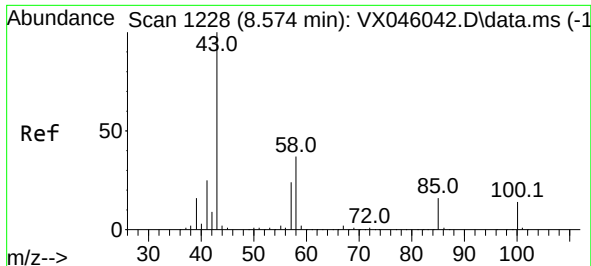
Tgt Ion: 98 Resp: 148345

Ion Ratio Lower Upper

98 100

100 64.6 53.5 80.3

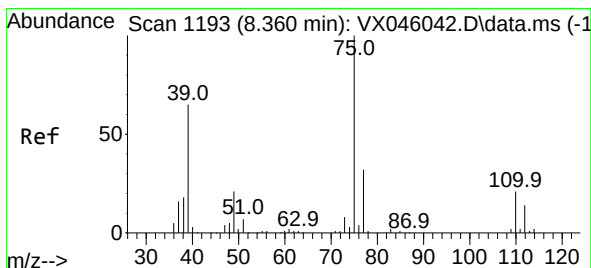
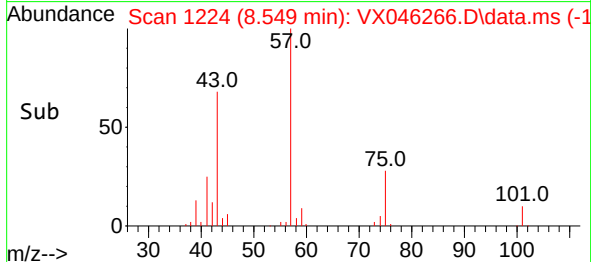
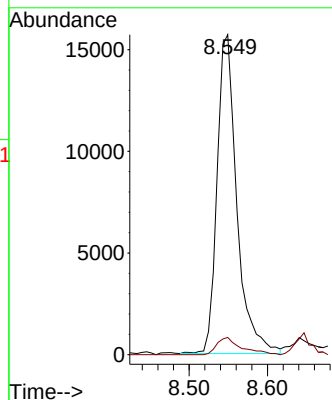
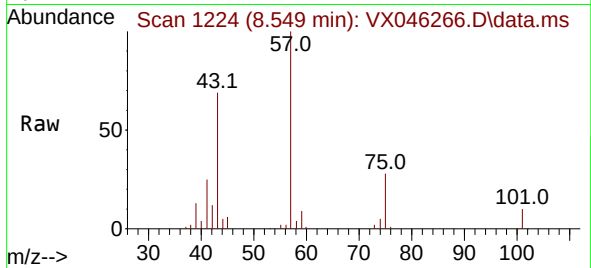




#51
4-Methyl-2-Pentanone
Concen: 19.927 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

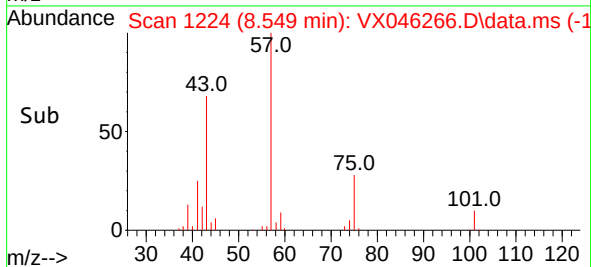
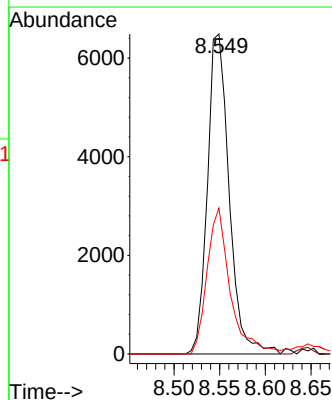
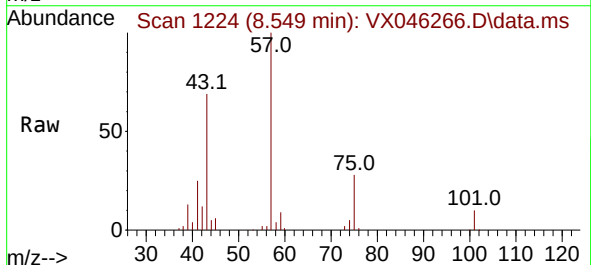
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-4

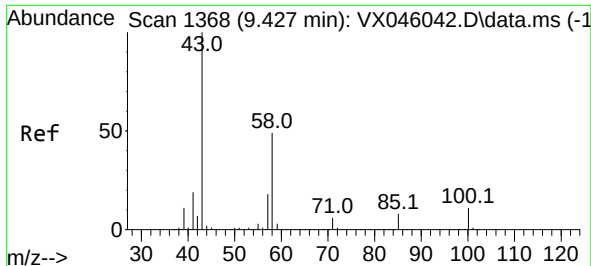
Tgt Ion: 43 Resp: 27588
Ion Ratio Lower Upper
43 100
58 6.7 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 8.708 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

Tgt Ion: 75 Resp: 10710
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 45.6 52.2 78.4#

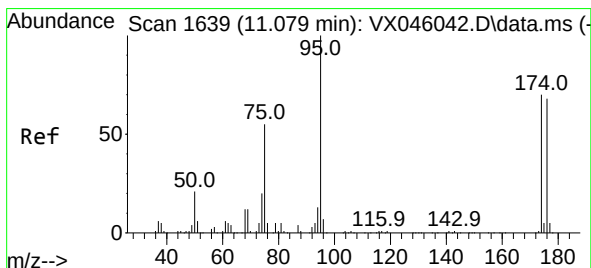
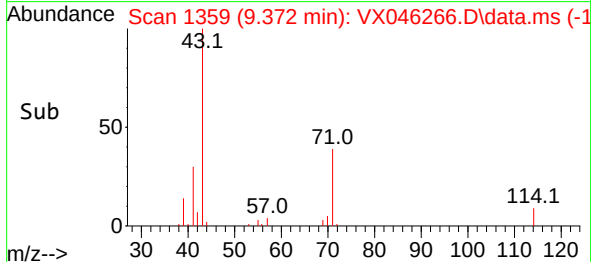
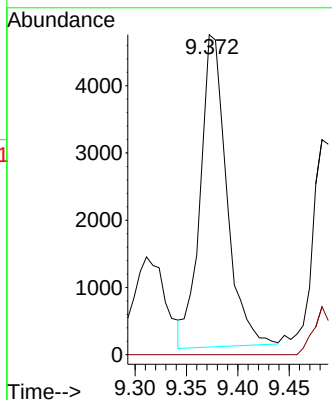
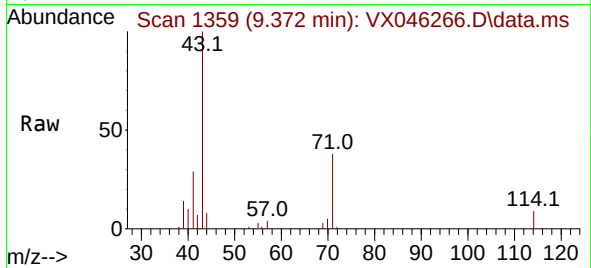




#59
2-Hexanone
Concen: 8.102 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

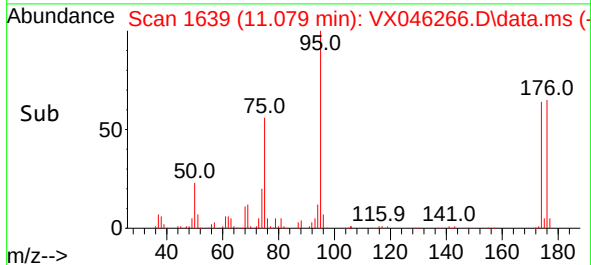
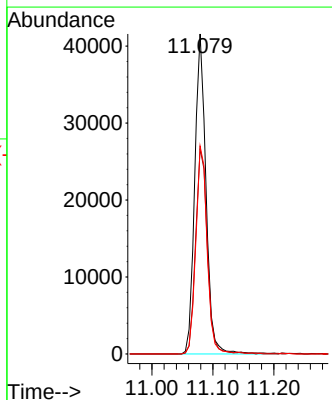
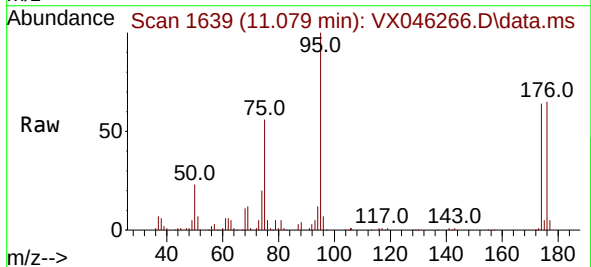
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-4

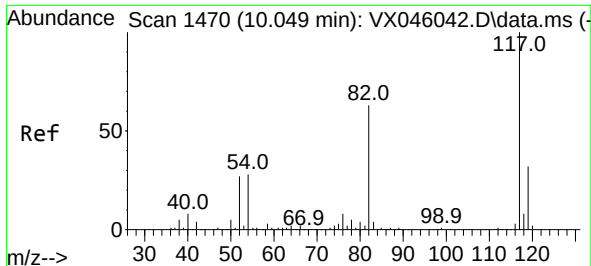
Tgt Ion: 43 Resp: 8299
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 48.801 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

Tgt Ion: 95 Resp: 53360
Ion Ratio Lower Upper
95 100
174 66.8 0.0 135.8
176 65.1 0.0 131.4

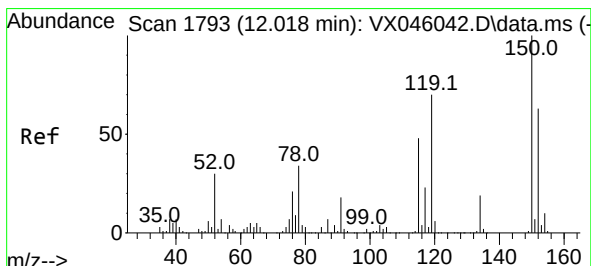
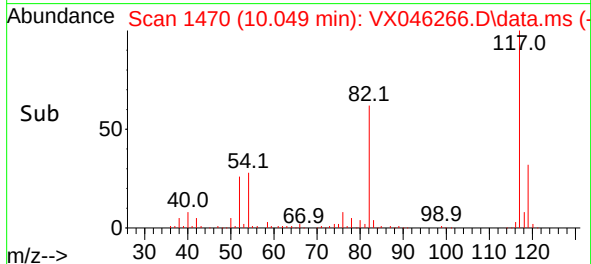
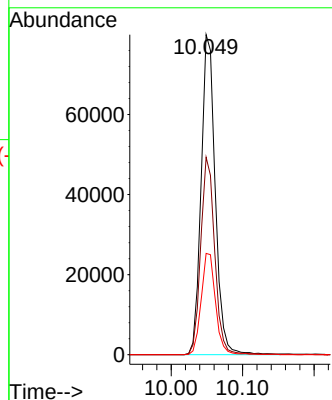
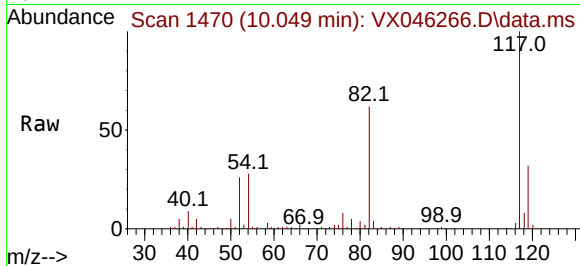




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

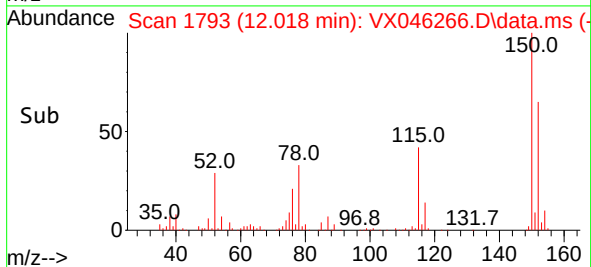
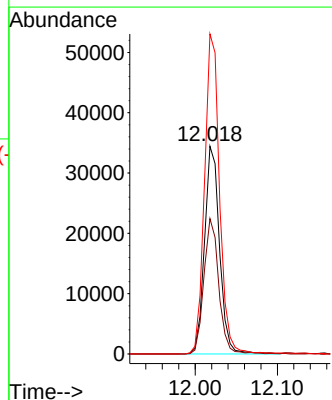
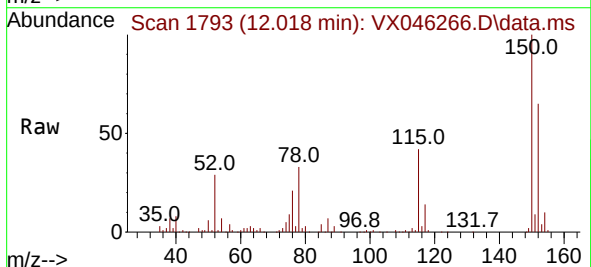
Instrument :
MSVOA_X
ClientSampleId :
L1-WC-4

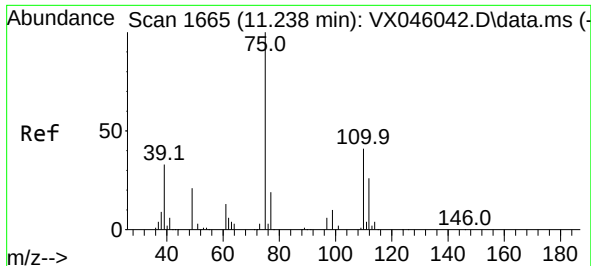
Tgt Ion:117 Resp: 109685
Ion Ratio Lower Upper
117 100
82 61.7 50.6 76.0
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

Tgt Ion:152 Resp: 43694
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 154.7 0.0 351.0

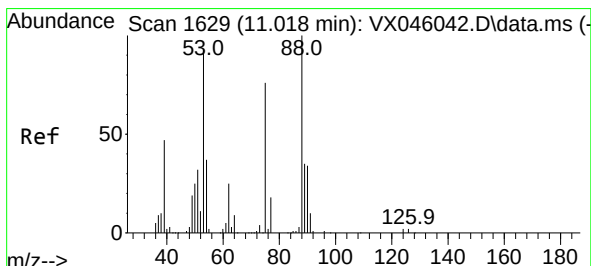
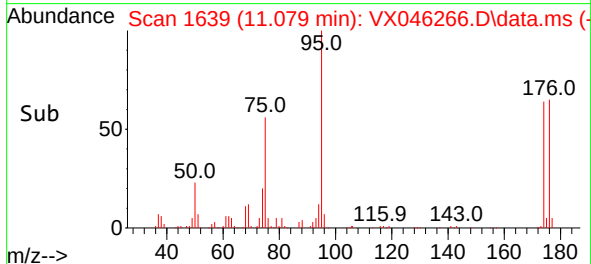
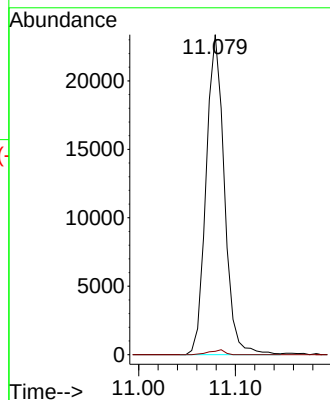
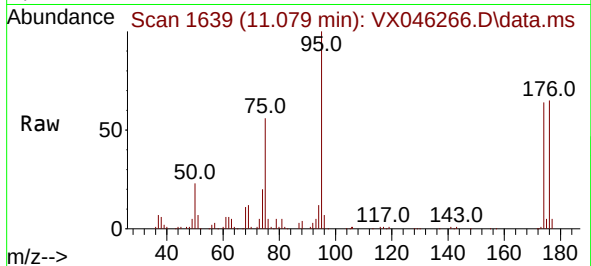




#76
1,2,3-Trichloropropane
Concen: 29.158 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

Instrument :
MSVOA_X
ClientSampleId :
L1-WC-4

Tgt Ion: 75 Resp: 30666
Ion Ratio Lower Upper
75 100
77 1.3 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.928 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046266.D
Acq: 19 May 2025 14:37

Tgt Ion: 75 Resp: 30666
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

