

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087275.D
 Acq On : 03 Jul 2025 16:31
 Operator : JC\MD
 Sample : Q2478-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

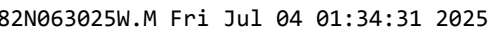
Quant Time: Jul 04 01:34:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

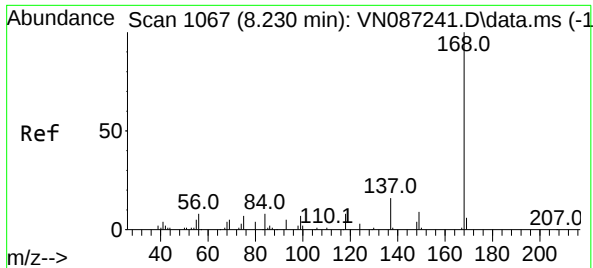
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	216235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	423389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	415361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	200320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	160962	59.311	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.620%
35) Dibromofluoromethane	8.177	113	141504	52.196	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.400%
50) Toluene-d8	10.565	98	530840	50.236	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.480%
62) 4-Bromofluorobenzene	12.847	95	181107	48.170	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.542	59	632	1.278	ug/l #	72
16) Acetone	4.453	43	20984	20.224	ug/l	90
18) Methyl Acetate	5.047	43	18803	7.916	ug/l	100
20) Methylene Chloride	5.300	84	11442	4.978	ug/l #	96
25) 2-Butanone	7.494	43	8400	5.181	ug/l #	88
29) Tetrahydrofuran	7.859	42	306	0.293	ug/l #	38
31) Cyclohexane	8.230	56	4098	1.109	ug/l #	49
36) 1,1-Dichloropropene	8.236	75	15158	4.112	ug/l #	48
37) Ethyl Acetate	7.583	43	12324	3.110	ug/l	98
38) Carbon Tetrachloride	8.230	117	20829	4.986	ug/l #	15
43) Isopropyl Acetate	8.694	43	7799	1.269	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	882	0.354	ug/l #	45
48) Methyl methacrylate	9.741	41	73152	28.240	ug/l #	36
51) 4-Methyl-2-Pentanone	10.365	43	73257	19.481	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	41487	9.396	ug/l #	63
57) 1,3-Dichloropropane	11.212	76	2382	0.516	ug/l #	41
59) 2-Hexanone	11.218	43	30407	11.289	ug/l #	53
76) 1,2,3-Trichloropropane	12.847	75	90804	23.832	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	90804	55.978	ug/l #	14

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

Quant Time: Jul 04 01:34:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

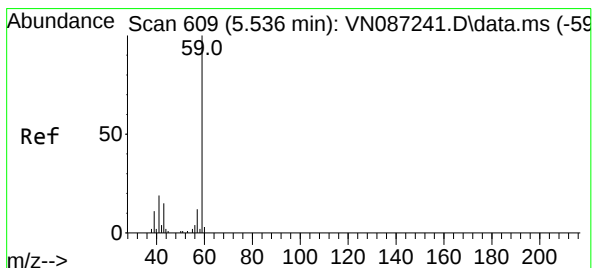
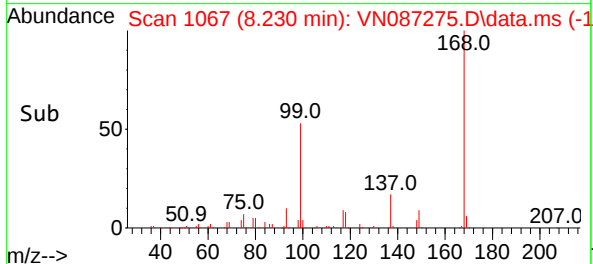
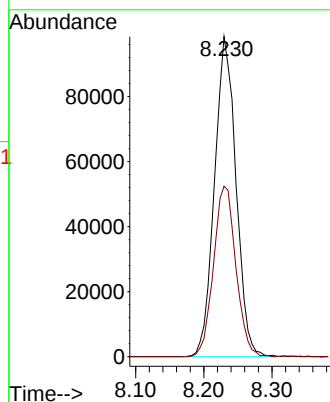
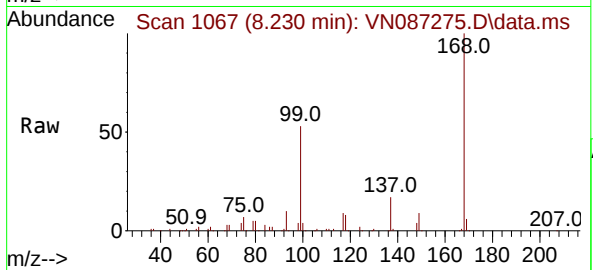




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

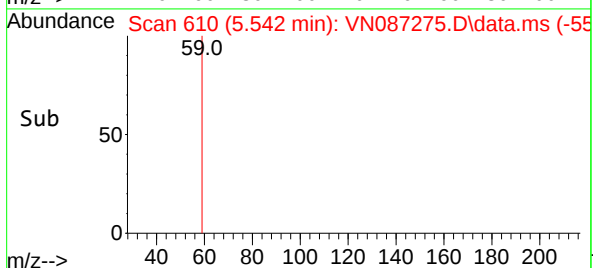
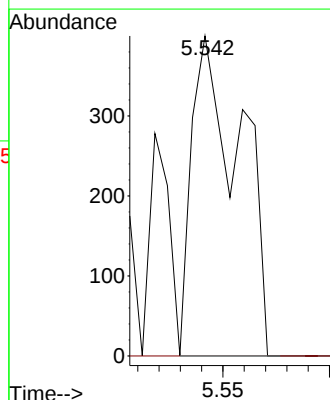
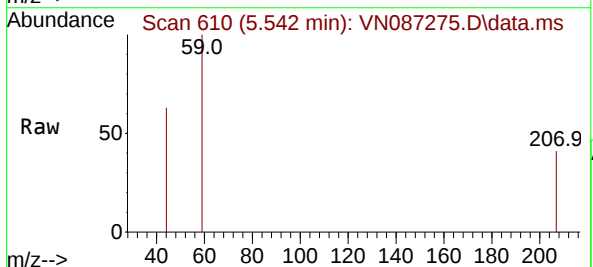
Instrument :
MSVOA_N
ClientSampleId :
WC-1

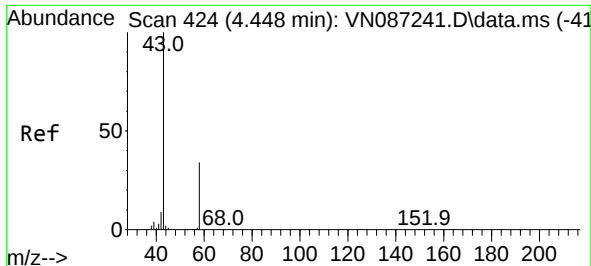
Tgt Ion:168 Resp: 216235
Ion Ratio Lower Upper
168 100
99 53.3 42.6 64.0



#11
Tert butyl alcohol
Concen: 1.278 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

Tgt Ion: 59 Resp: 632
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

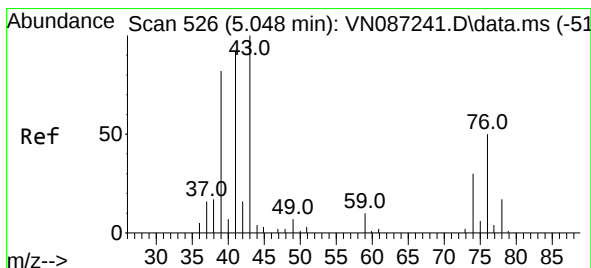
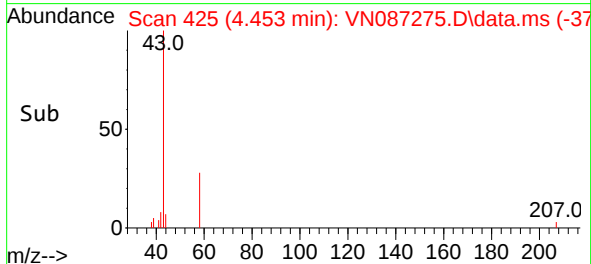
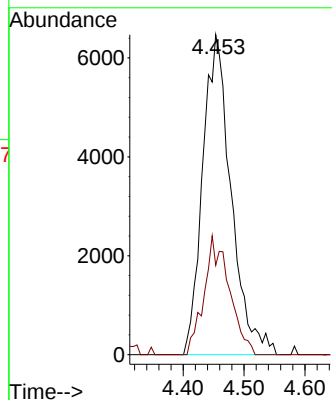
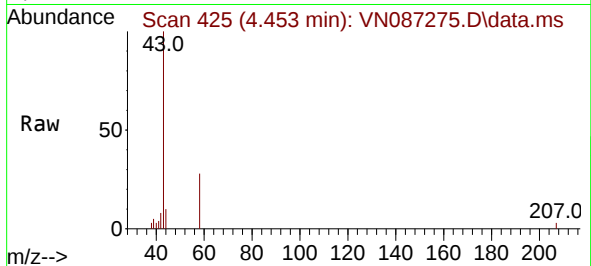




#16
Acetone
Concen: 20.224 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

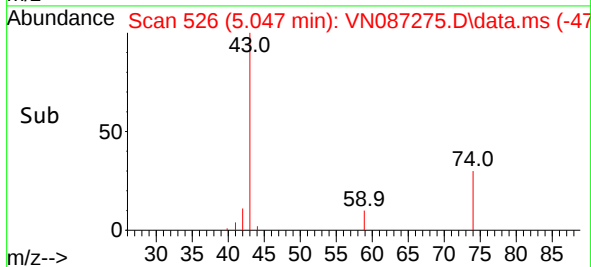
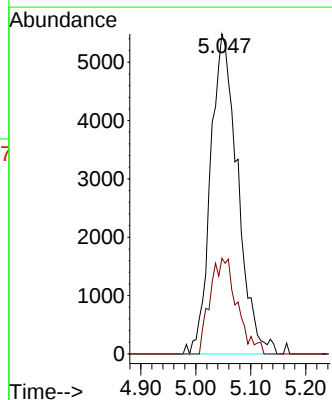
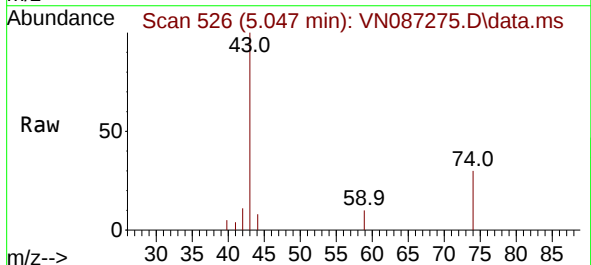
Instrument :
MSVOA_N
ClientSampleId :
WC-1

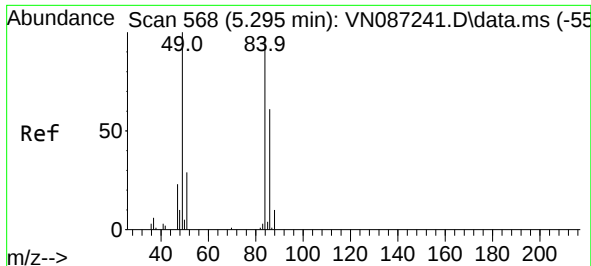
Tgt Ion: 43 Resp: 20984
Ion Ratio Lower Upper
43 100
58 28.0 27.1 40.7



#18
Methyl Acetate
Concen: 7.916 ug/l
RT: 5.047 min Scan# 526
Delta R.T. -0.000 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

Tgt Ion: 43 Resp: 18803
Ion Ratio Lower Upper
43 100
74 29.8 23.8 35.6

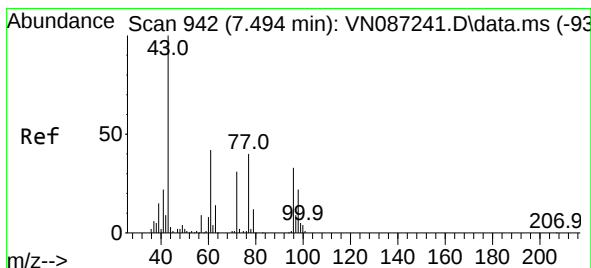
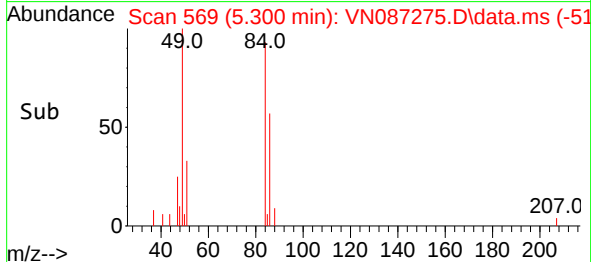
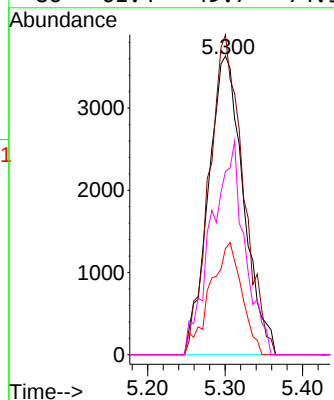
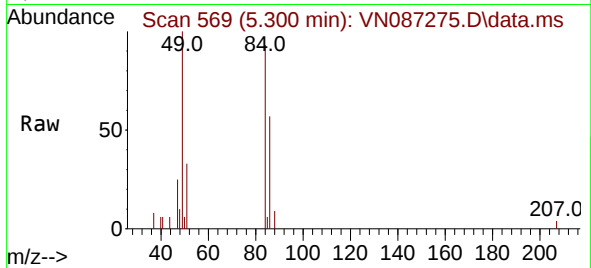




#20
Methylene Chloride
Concen: 4.978 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

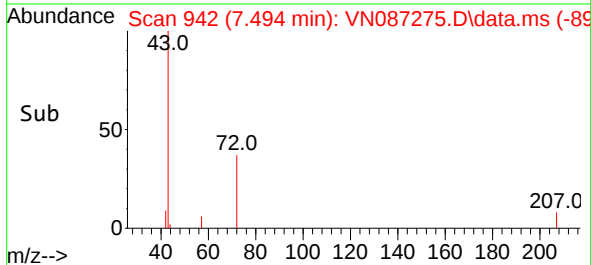
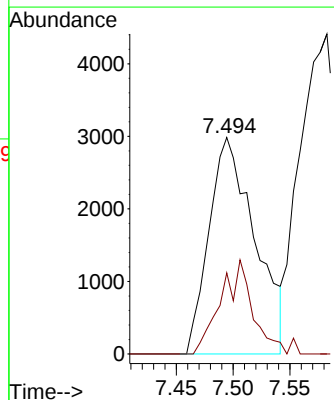
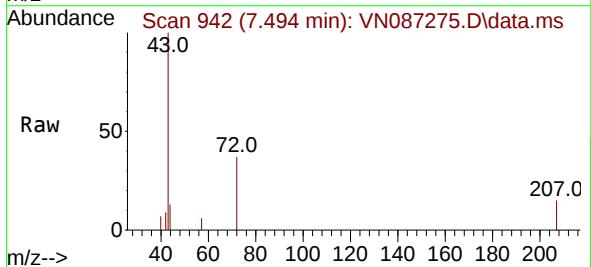
Instrument :
MSVOA_N
ClientSampleId :
WC-1

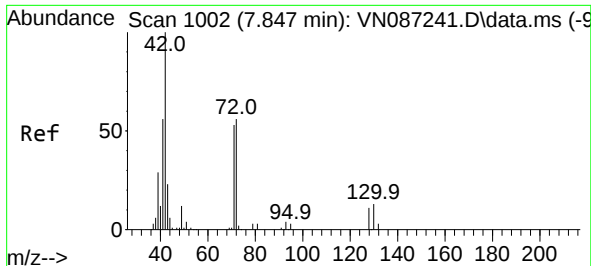
Tgt Ion:	84	Resp:	11442
Ion	Ratio	Lower	Upper
84	100		
49	107.1	82.1	123.1
51	35.6	23.5	35.3#
86	61.4	49.7	74.5



#25
2-Butanone
Concen: 5.181 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

Tgt Ion:	43	Resp:	8400
Ion	Ratio	Lower	Upper
43	100		
72	37.5	24.8	37.2#





#29

Tetrahydrofuran

Concen: 0.293 ug/l

RT: 7.859 min Scan# 1067

Delta R.T. 0.012 min

Lab File: VN087275.D

Acq: 03 Jul 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

WC-1

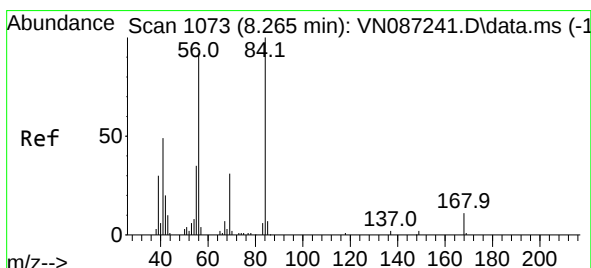
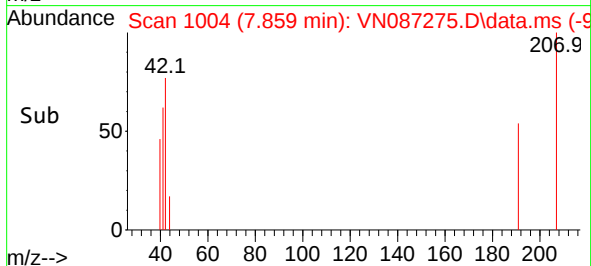
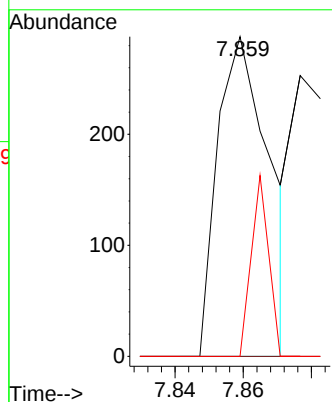
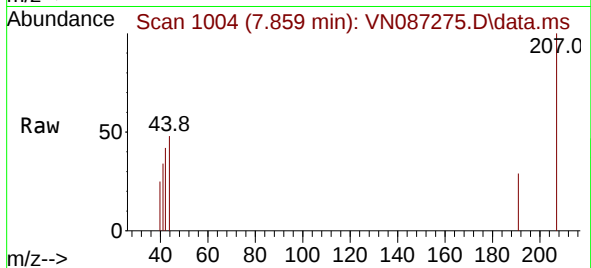
Tgt Ion: 42 Resp: 306

Ion Ratio Lower Upper

42 100

72 0.0 44.2 66.4#

71 19.0 41.1 61.7#



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN087275.D

Acq: 03 Jul 2025 16:31

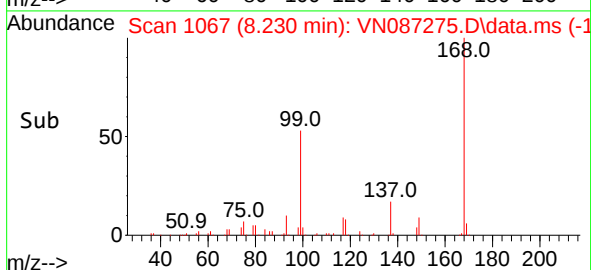
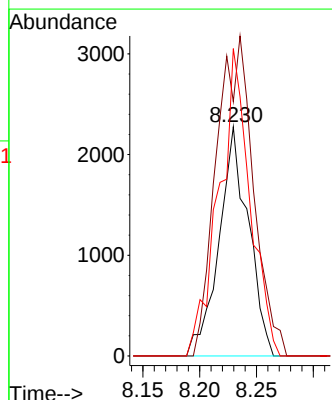
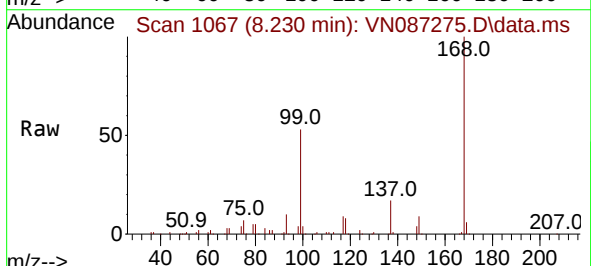
Tgt Ion: 56 Resp: 4098

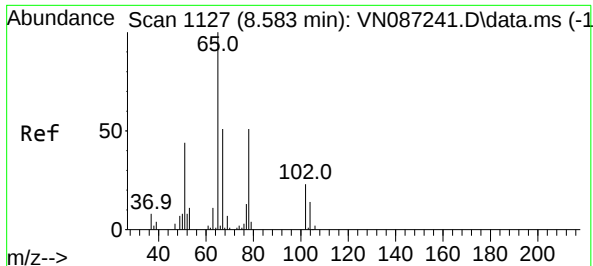
Ion Ratio Lower Upper

56 100

69 111.0 27.0 40.6#

84 134.2 86.2 129.4#





#33

1,2-Dichloroethane-d4

Concen: 59.311 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087275.D

Acq: 03 Jul 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

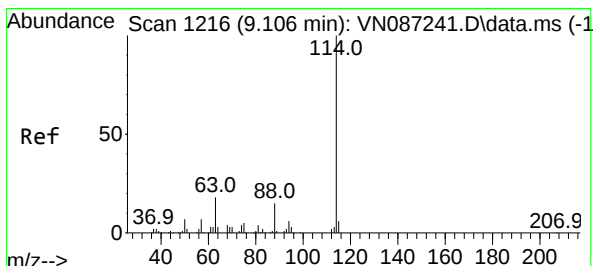
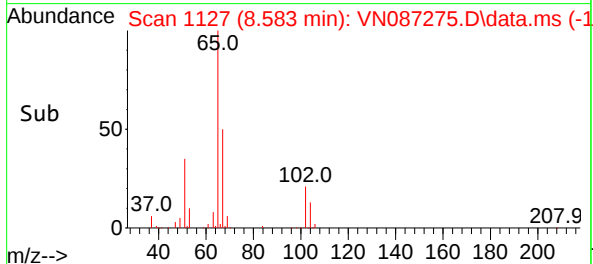
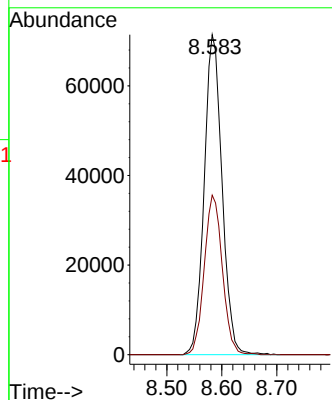
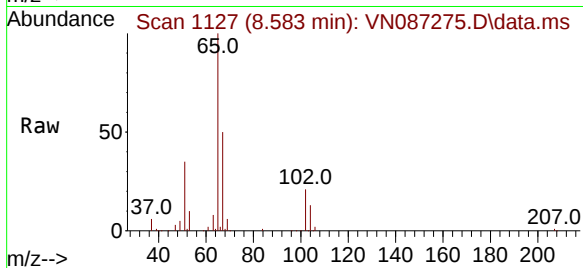
WC-1

Tgt Ion: 65 Resp: 160962

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087275.D

Acq: 03 Jul 2025 16:31

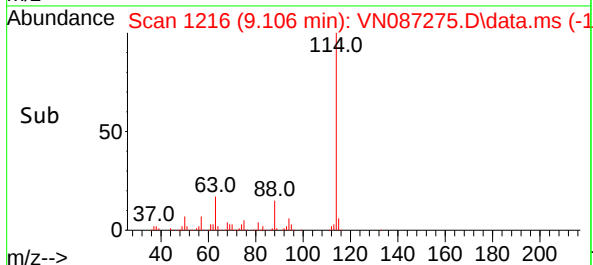
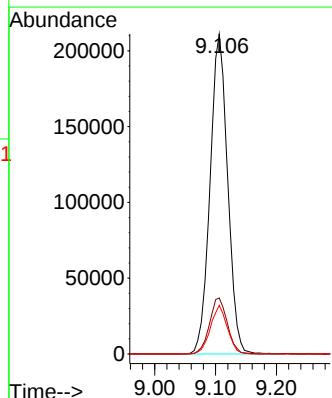
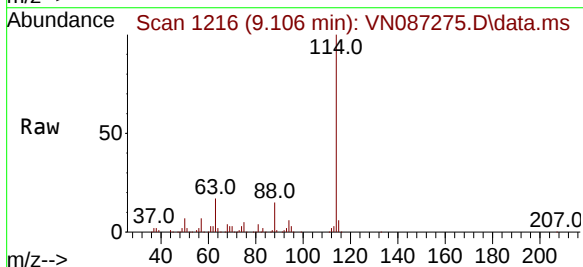
Tgt Ion: 114 Resp: 423389

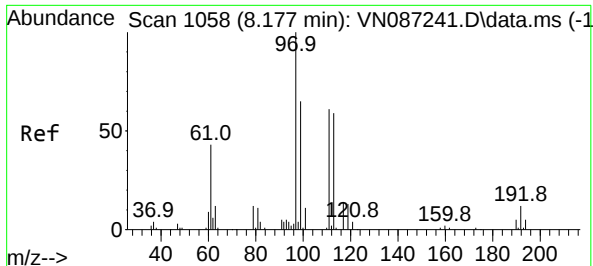
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 15.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.196 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN087275.D

Acq: 03 Jul 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

WC-1

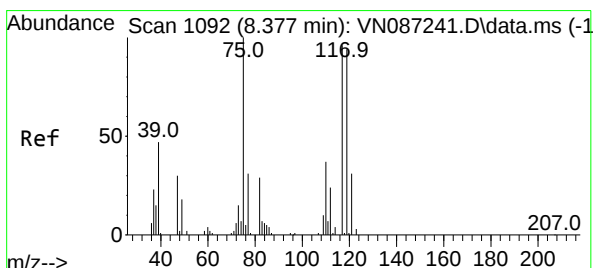
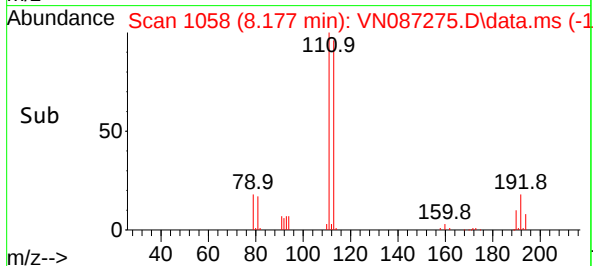
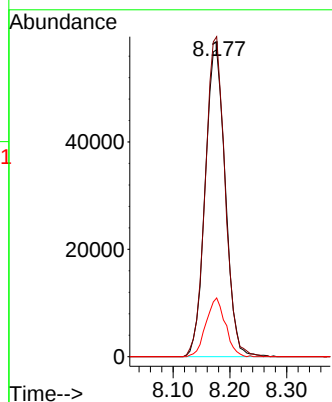
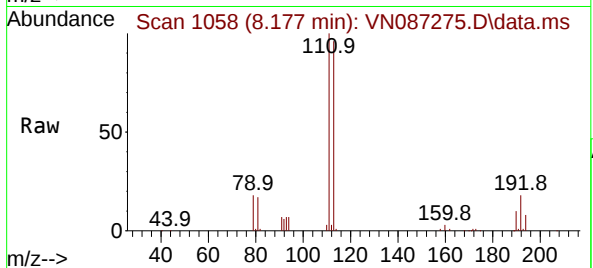
Tgt Ion:113 Resp: 141504

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.2

192 18.3 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.112 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN087275.D

Acq: 03 Jul 2025 16:31

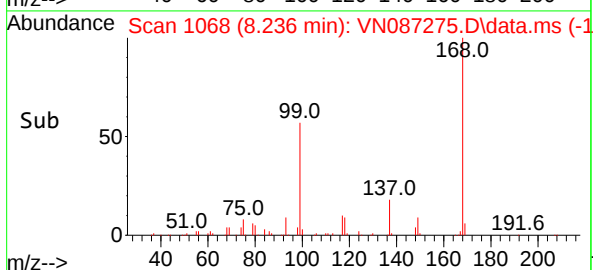
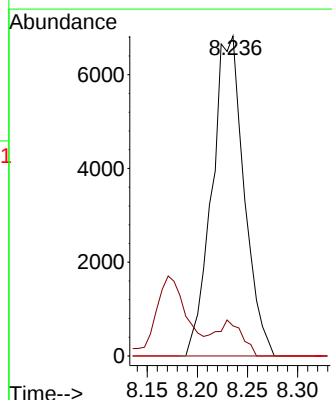
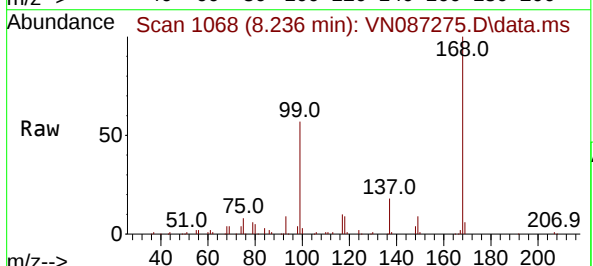
Tgt Ion: 75 Resp: 15158

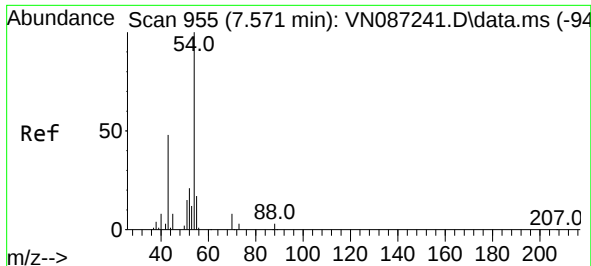
Ion Ratio Lower Upper

75 100

110 8.4 18.7 56.1#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 3.110 ug/l

RT: 7.583 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN087275.D

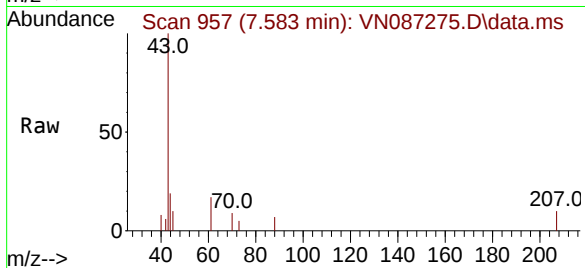
Acq: 03 Jul 2025 16:31

Instrument :

MSVOA_N

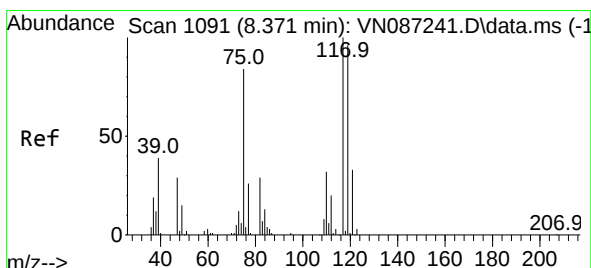
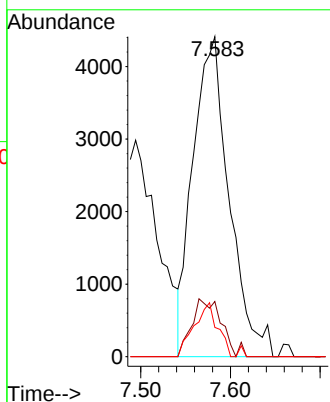
ClientSampleId :

WC-1



Tgt Ion: 43 Resp: 12324

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.3	16.9
70	11.0	9.9	14.9



#38

Carbon Tetrachloride

Concen: 4.986 ug/l

RT: 8.230 min Scan# 1067

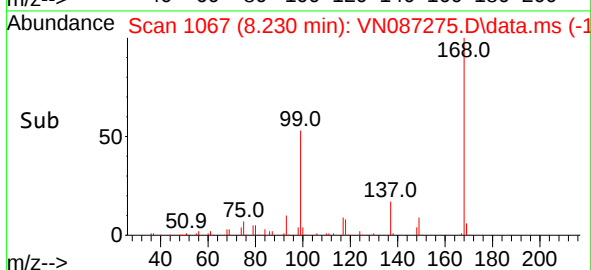
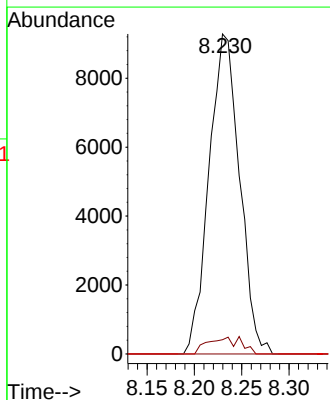
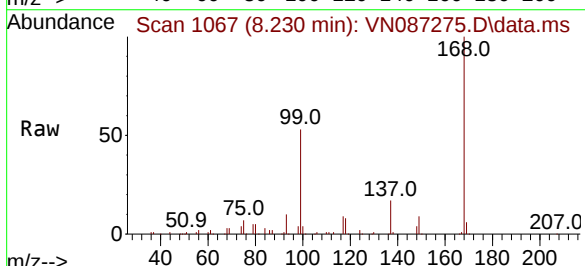
Delta R.T. -0.141 min

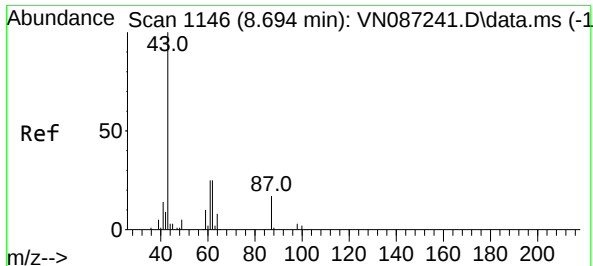
Lab File: VN087275.D

Acq: 03 Jul 2025 16:31

Tgt Ion: 117 Resp: 20829

Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.2	115.8#
121	0.0	26.6	39.8#

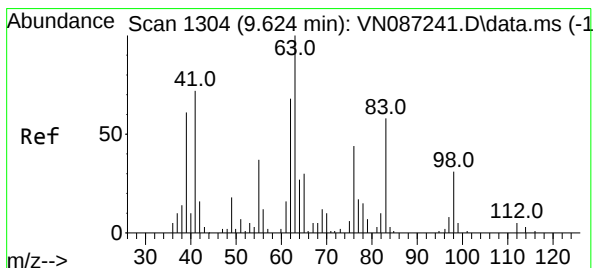
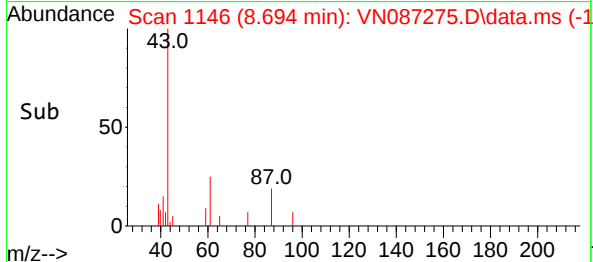
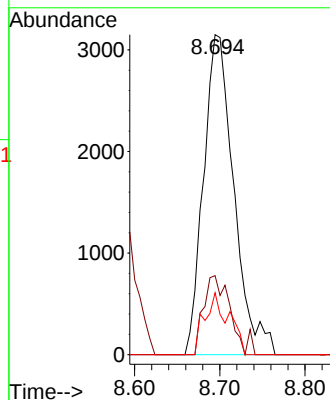
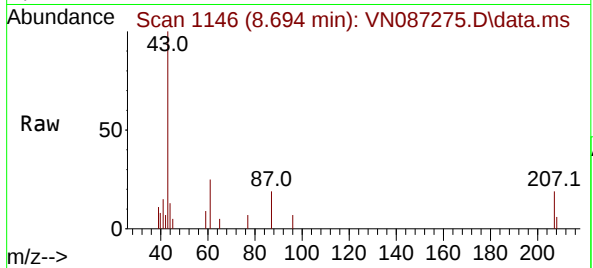




#43
Isopropyl Acetate
Concen: 1.269 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

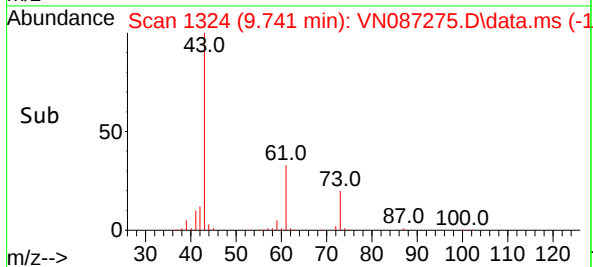
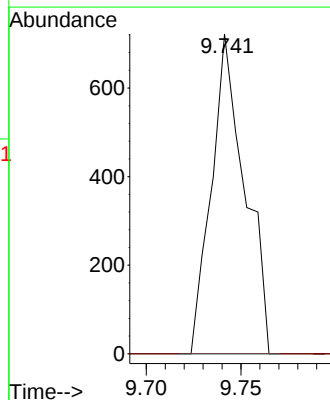
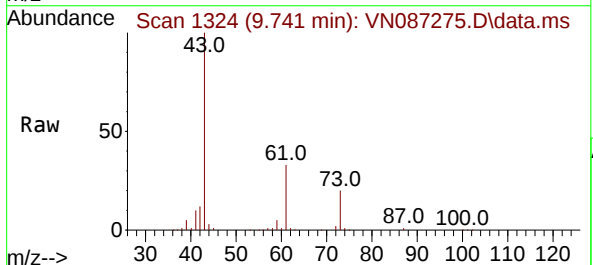
Instrument :
MSVOA_N
ClientSampleId :
WC-1

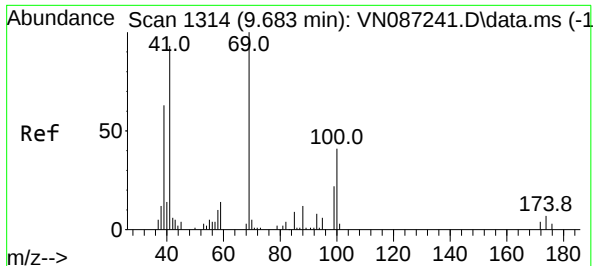
Tgt Ion: 43 Resp: 7799
Ion Ratio Lower Upper
43 100
61 20.7 22.4 33.6#
87 15.4 12.8 19.2



#45
1,2-Dichloropropane
Concen: 0.354 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

Tgt Ion: 63 Resp: 882
Ion Ratio Lower Upper
63 100
65 0.0 23.8 35.8#

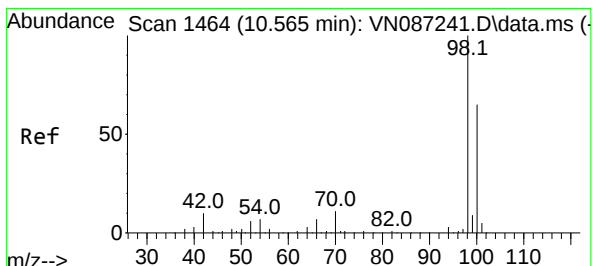
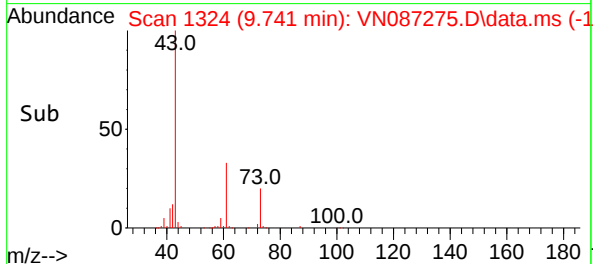
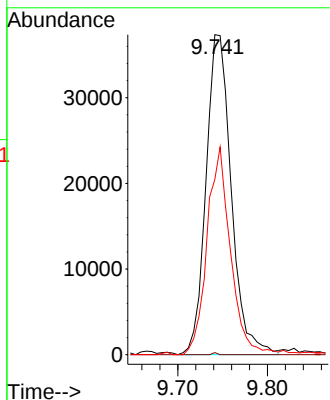
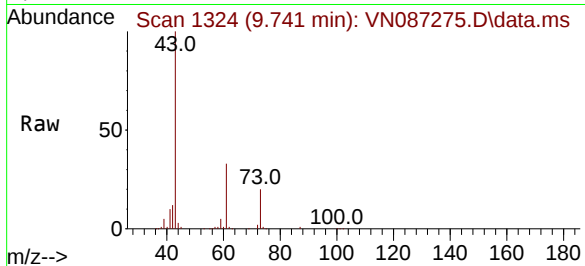




#48
Methyl methacrylate
Concen: 28.240 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

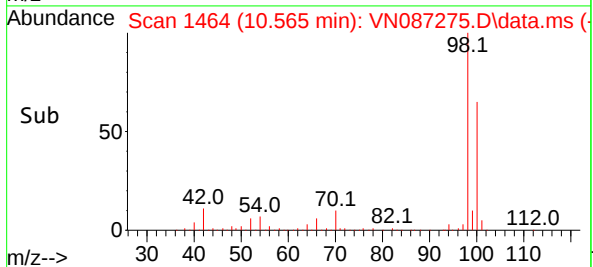
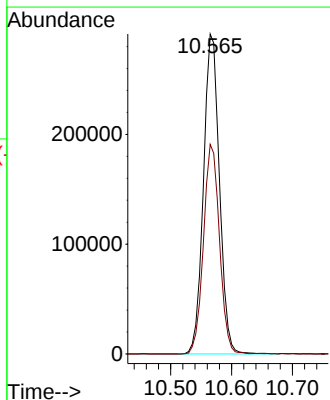
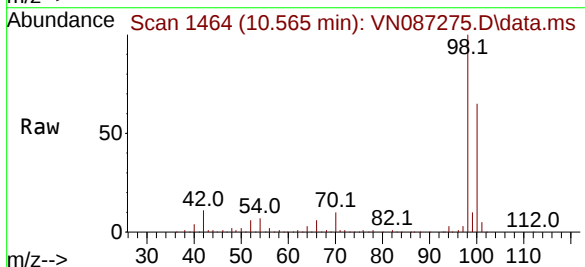
Instrument :
MSVOA_N
ClientSampleId :
WC-1

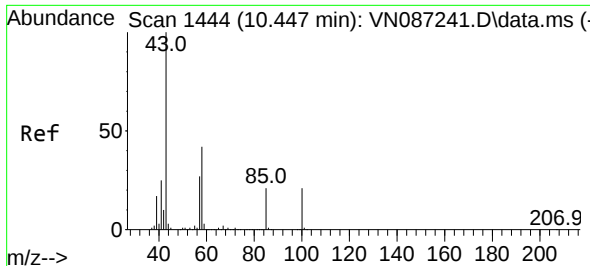
Tgt Ion: 41 Resp: 73152
Ion Ratio Lower Upper
41 100
69 0.1 81.4 122.2#
39 60.7 56.9 85.3



#50
Toluene-d8
Concen: 50.236 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

Tgt Ion: 98 Resp: 530840
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1

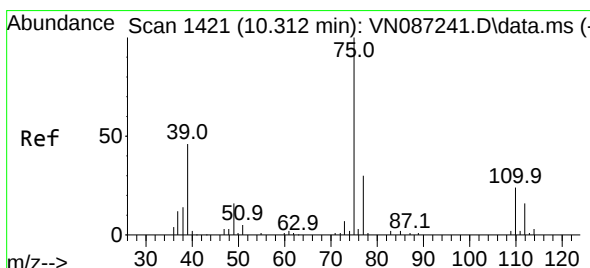
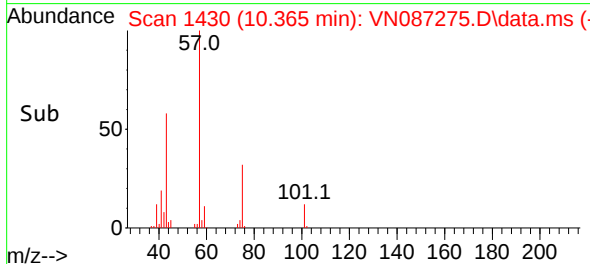
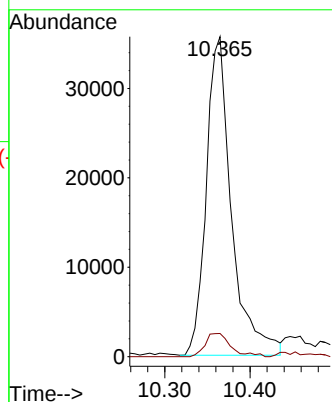
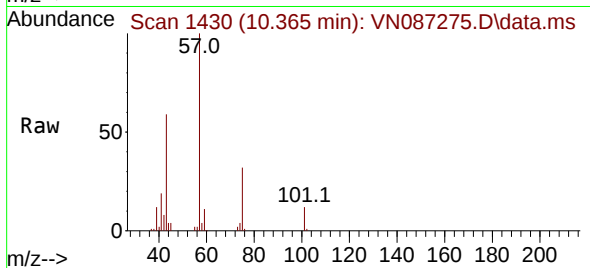




#51
4-Methyl-2-Pentanone
Concen: 19.481 ug/l
RT: 10.365 min Scan# 1444
Delta R.T. -0.082 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

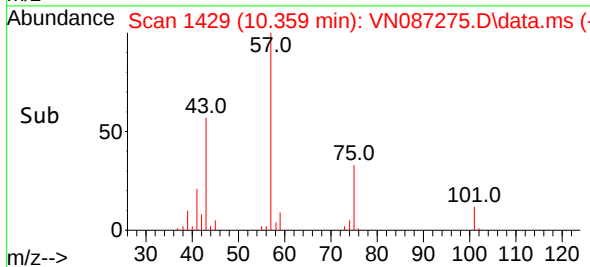
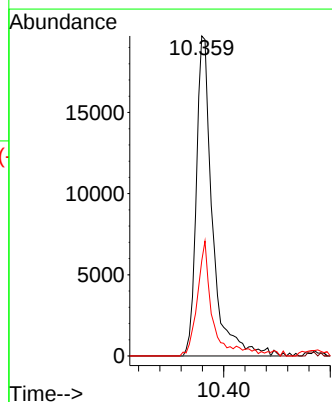
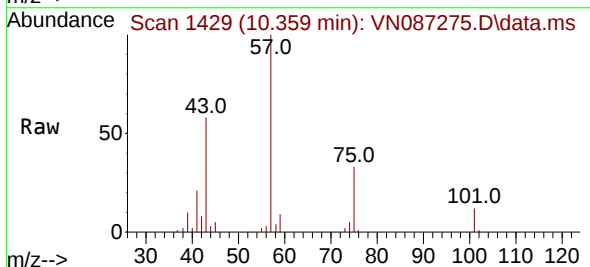
Instrument :
MSVOA_N
ClientSampleId :
WC-1

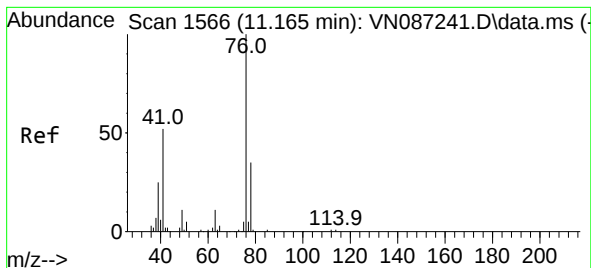
Tgt Ion: 43 Resp: 73257
Ion Ratio Lower Upper
43 100
58 7.4 34.2 51.2#



#54
cis-1,3-Dichloropropene
Concen: 9.396 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

Tgt Ion: 75 Resp: 41487
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#
39 29.9 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 0.516 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.047 min

Lab File: VN087275.D

Acq: 03 Jul 2025 16:31

Instrument :

MSVOA_N

ClientSampleId :

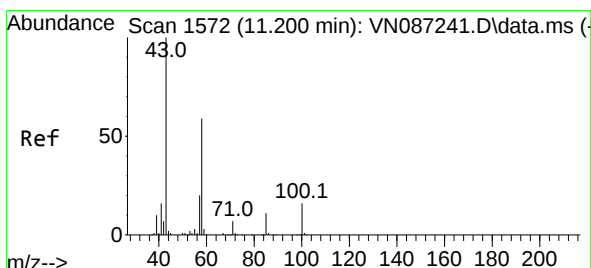
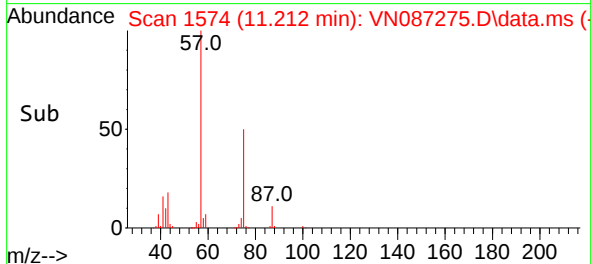
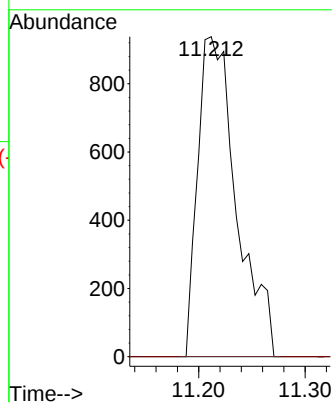
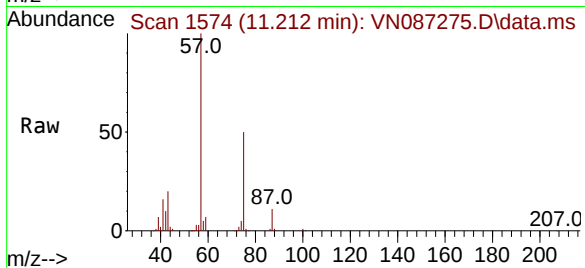
WC-1

Tgt Ion: 76 Resp: 2382

Ion Ratio Lower Upper

76 100

78 0.0 27.1 40.7#



#59

2-Hexanone

Concen: 11.289 ug/l

RT: 11.218 min Scan# 1575

Delta R.T. 0.018 min

Lab File: VN087275.D

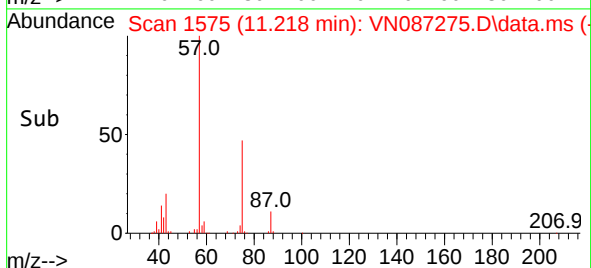
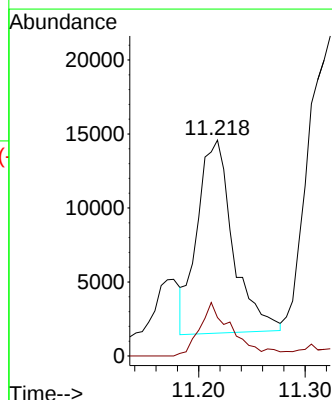
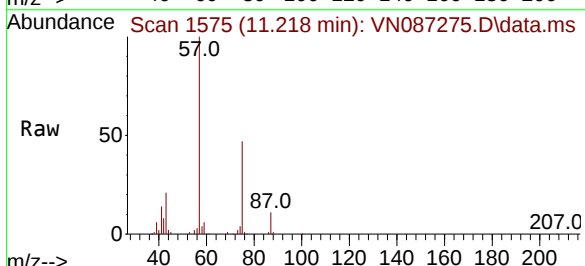
Acq: 03 Jul 2025 16:31

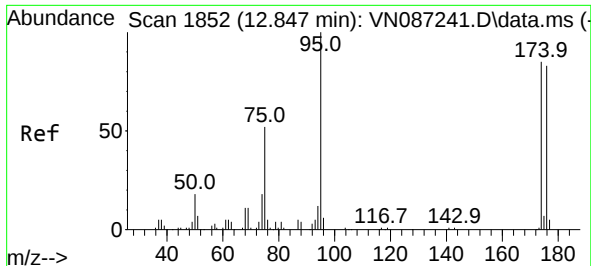
Tgt Ion: 43 Resp: 30407

Ion Ratio Lower Upper

43 100

58 26.1 31.1 93.3#

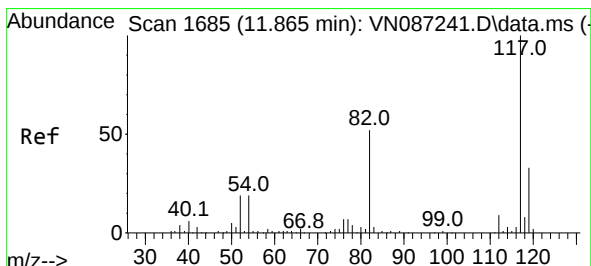
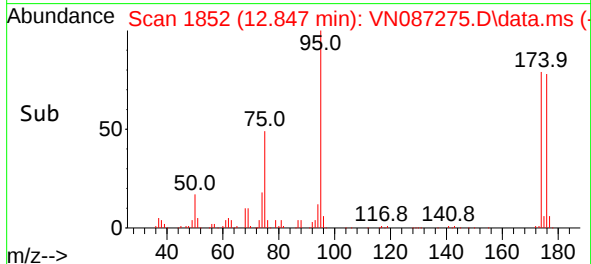
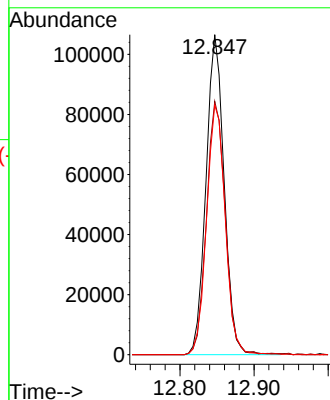
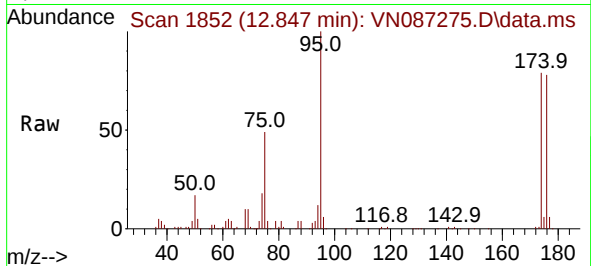




#62
4-Bromofluorobenzene
Concen: 48.170 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

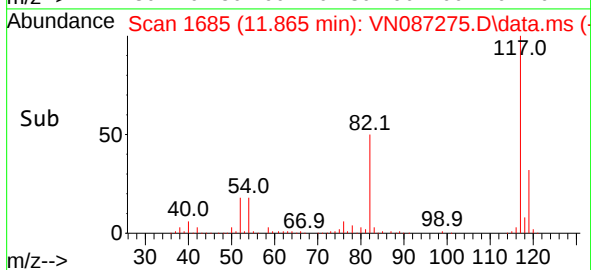
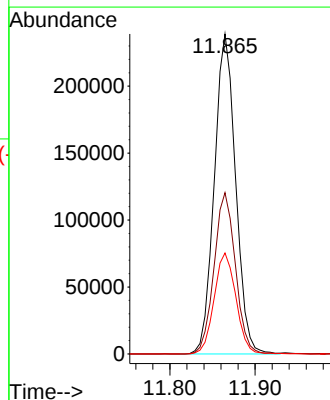
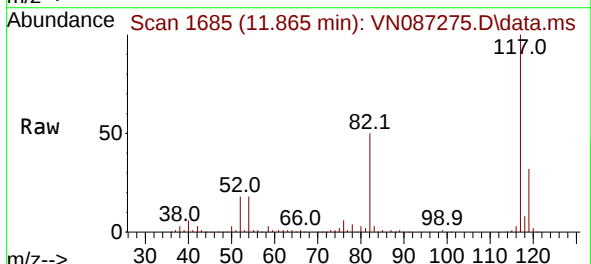
Instrument :
MSVOA_N
ClientSampleId :
WC-1

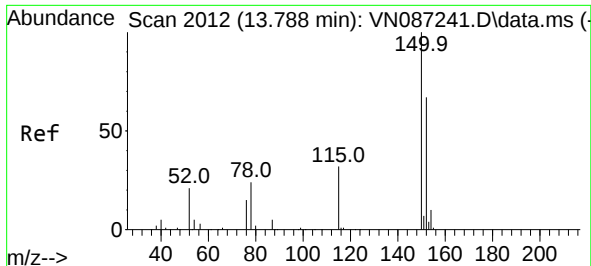
Tgt Ion: 95 Resp: 181107
Ion Ratio Lower Upper
95 100
174 81.9 0.0 169.6
176 80.2 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

Tgt Ion: 117 Resp: 415361
Ion Ratio Lower Upper
117 100
82 50.4 41.9 62.9
119 31.5 26.2 39.4

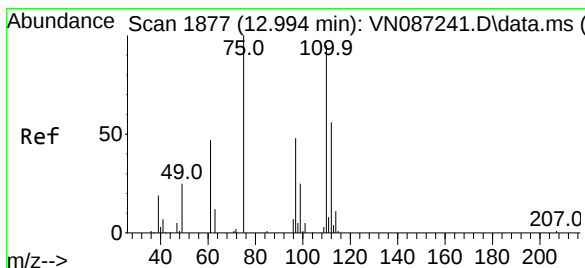
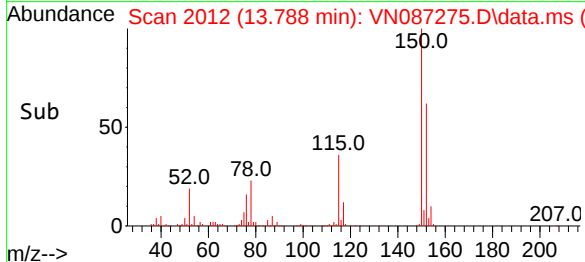
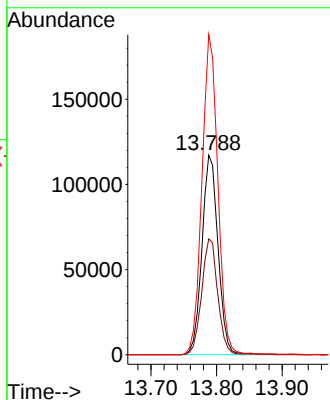
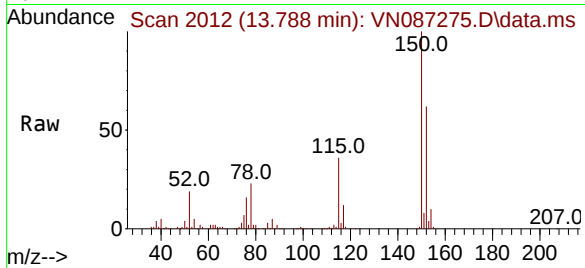




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN087275.D
 Acq: 03 Jul 2025 16:31

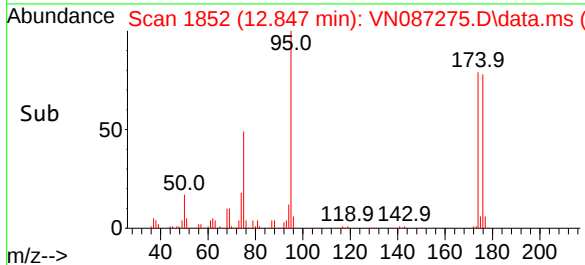
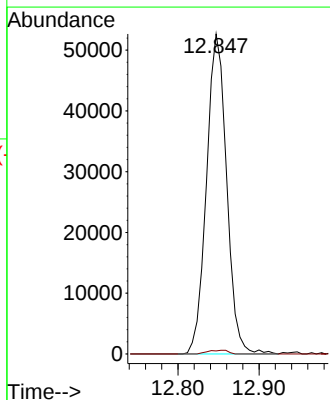
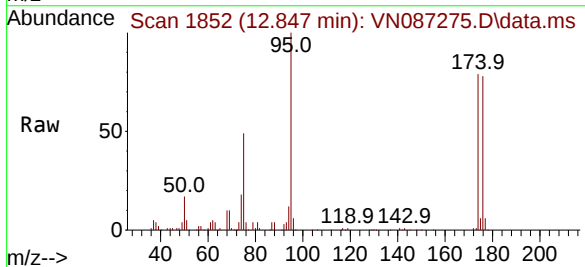
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

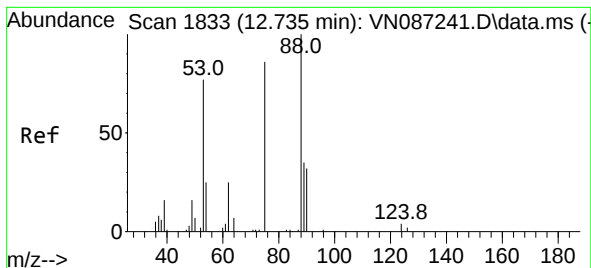
Tgt Ion:152 Resp: 200320
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.3 84.9
 150 158.2 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 23.832 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087275.D
 Acq: 03 Jul 2025 16:31

Tgt Ion: 75 Resp: 90804
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.0 245.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 55.978 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087275.D
Acq: 03 Jul 2025 16:31

Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 90804
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.1 36.1 54.1#

