

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087515.D
 Acq On : 12 Aug 2025 15:29
 Operator : JC\MD
 Sample : Q2816-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1059-MW-17A(15.5)

Quant Time: Aug 13 03:06:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

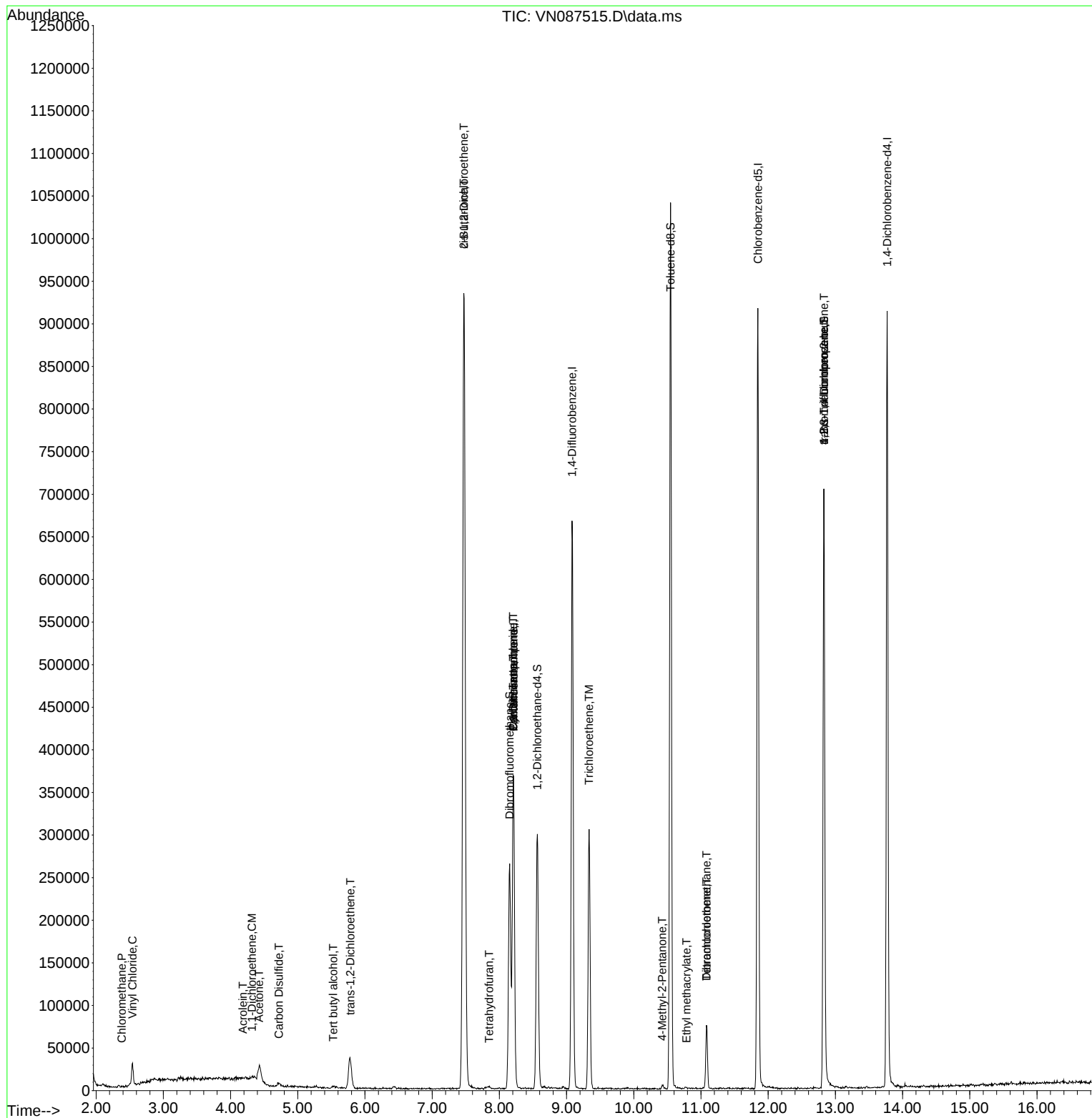
Internal Standards						
1) Pentafluorobenzene	8.212	168	245518	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.083	114	544156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	499181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	232946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	255388	61.304	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.600%	
35) Dibromofluoromethane	8.153	113	188310	50.168	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.340%	
50) Toluene-d8	10.547	98	680121	50.795	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	12.829	95	251013	50.743	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.480%	
Target Compounds						
						Qvalue
3) Chloromethane	2.383	50	934	0.285	ug/l	# 42
4) Vinyl Chloride	2.542	62	22708	6.968	ug/l	98
11) Tert butyl alcohol	5.530	59	898	1.135	ug/l	# 59
12) 1,1-Dichloroethene	4.318	96	579	0.207	ug/l	# 31
13) Acrolein	4.183	56	388	0.611	ug/l	# 1
16) Acetone	4.424	43	29045	14.870	ug/l	100
17) Carbon Disulfide	4.718	76	5141	0.619	ug/l	# 71
20) Methylene Chloride	5.253	84	592	Below Cal	#	41
21) trans-1,2-Dichloroethene	5.783	96	23476	7.427	ug/l	86
25) 2-Butanone	7.471	43	6660	2.207	ug/l	# 1
27) cis-1,2-Dichloroethene	7.471	96	541413	148.782	ug/l	94
29) Tetrahydrofuran	7.847	42	2305	1.176	ug/l	# 63
31) Cyclohexane	8.206	56	9560	1.867	ug/l	# 46
36) 1,1-Dichloropropene	8.206	75	24498	4.940	ug/l	# 51
38) Carbon Tetrachloride	8.206	117	30089	5.508	ug/l	# 15
44) Trichloroethene	9.335	130	100249	26.470	ug/l	94
51) 4-Methyl-2-Pentanone	10.424	43	3598	0.512	ug/l	# 76
56) Ethyl methacrylate	10.782	69	59	0.644	ug/l	# 1
60) Dibromochloromethane	11.082	129	16176	3.596	ug/l	# 10
64) Tetrachloroethene	11.082	164	16057	4.998	ug/l	90
76) 1,2,3-Trichloropropane	12.829	75	144832	27.726	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.829	75	144832	75.864	ug/l	# 8

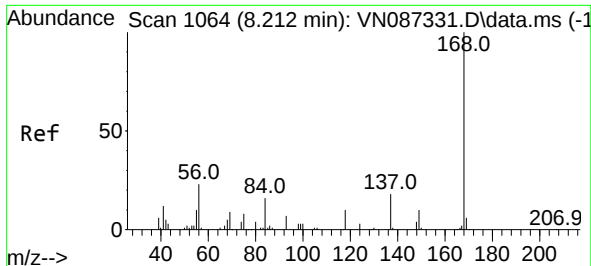
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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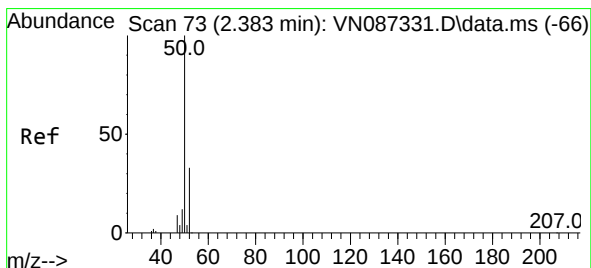
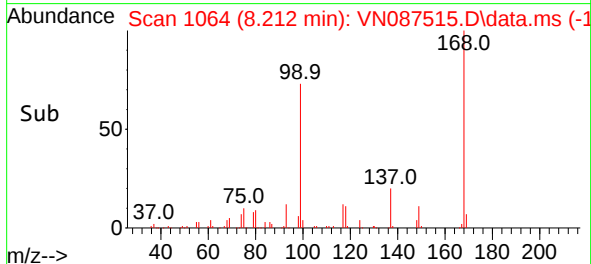
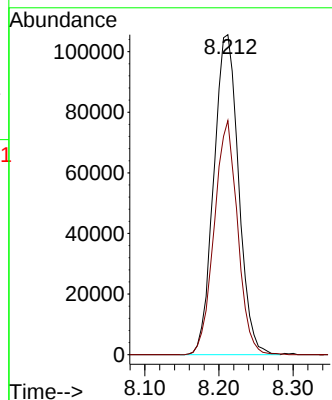
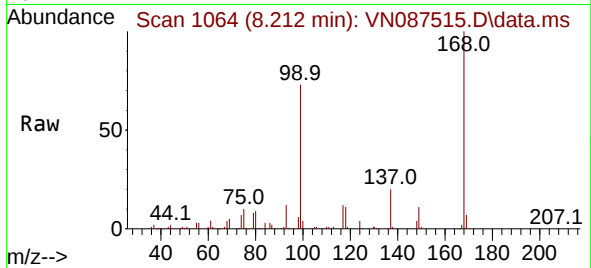




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

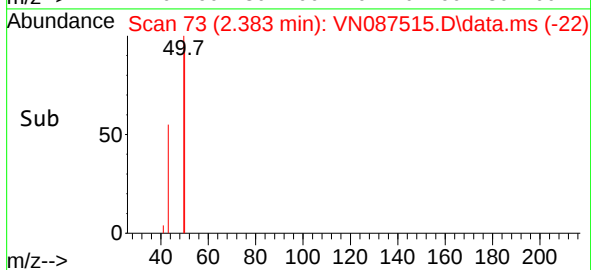
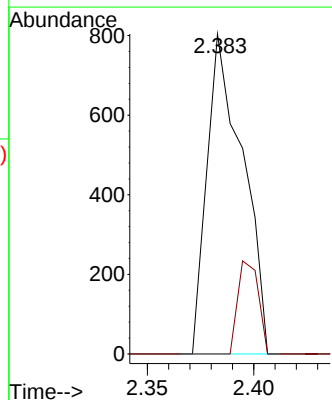
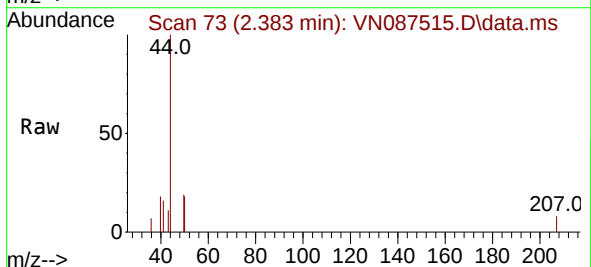
Instrument :
MSVOA_N
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1059-MW-17A(15.5)

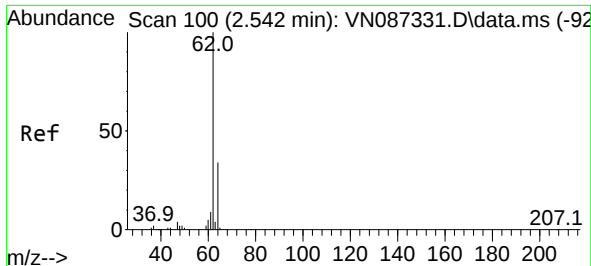
Tgt Ion:168 Resp: 245518
Ion Ratio Lower Upper
168 100
99 73.1 47.9 71.9#



#3
Chloromethane
Concen: 0.285 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

Tgt Ion: 50 Resp: 934
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

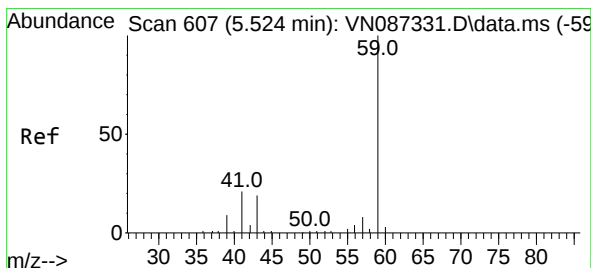
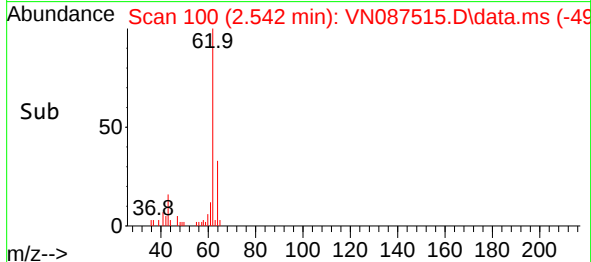
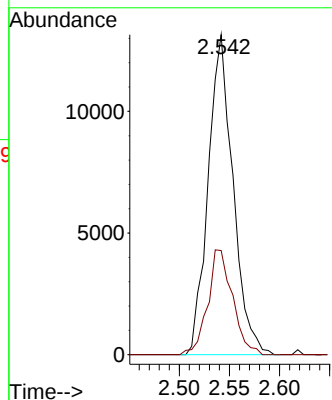
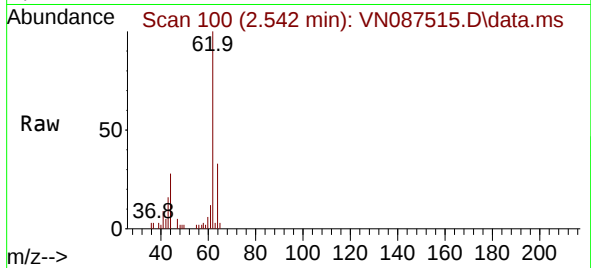




#4
 Vinyl Chloride
 Concen: 6.968 ug/l
 RT: 2.542 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: VN087515.D
 Acq: 12 Aug 2025 15:29

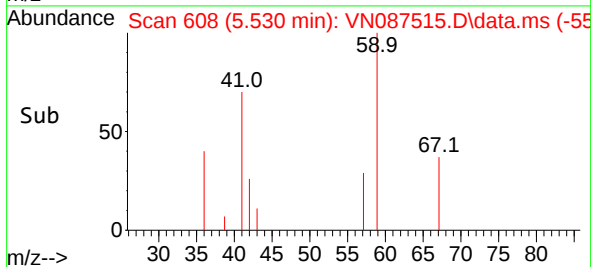
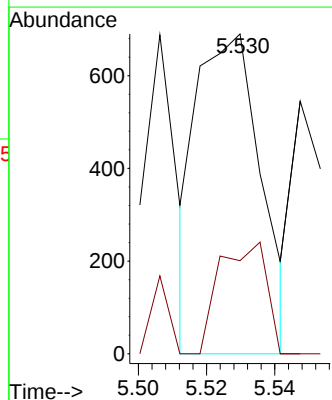
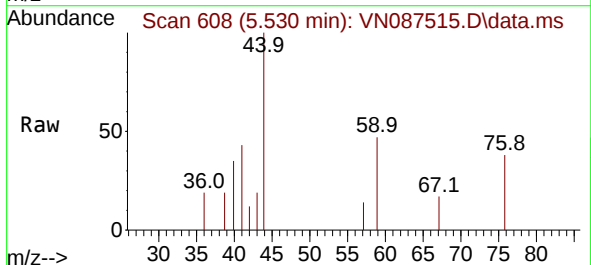
Instrument :
 MSVOA_N
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 1059-MW-17A(15.5)

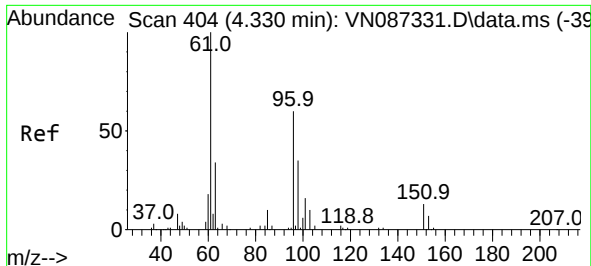
Tgt Ion: 62 Resp: 22708
 Ion Ratio Lower Upper
 62 100
 64 32.5 27.0 40.6



#11
 Tert butyl alcohol
 Concen: 1.135 ug/l
 RT: 5.530 min Scan# 608
 Delta R.T. 0.006 min
 Lab File: VN087515.D
 Acq: 12 Aug 2025 15:29

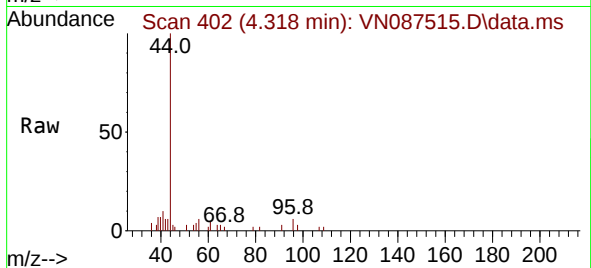
Tgt Ion: 59 Resp: 898
 Ion Ratio Lower Upper
 59 100
 57 25.6 8.3 12.5#



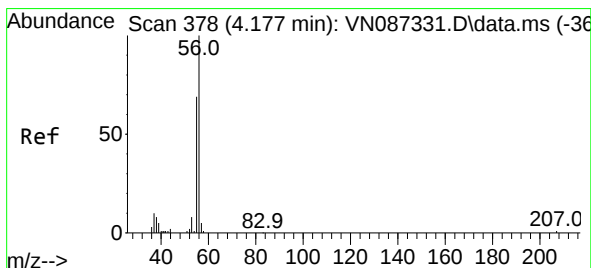
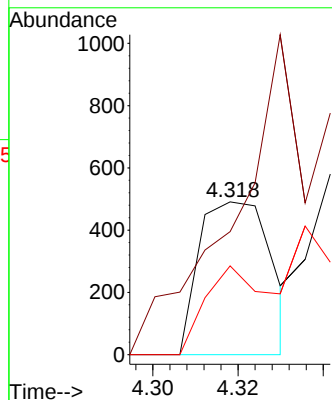
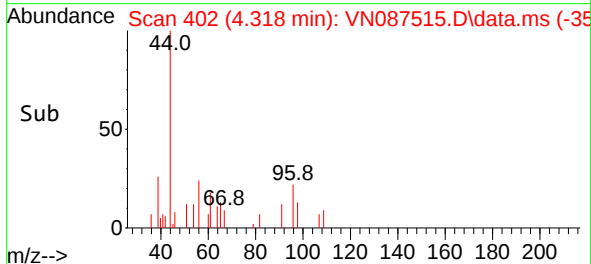


#12
 1,1-Dichloroethene
 Concen: 0.207 ug/l
 RT: 4.318 min Scan# 402
 Delta R.T. -0.012 min
 Lab File: VN087515.D
 Acq: 12 Aug 2025 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 1059-MW-17A(15.5)

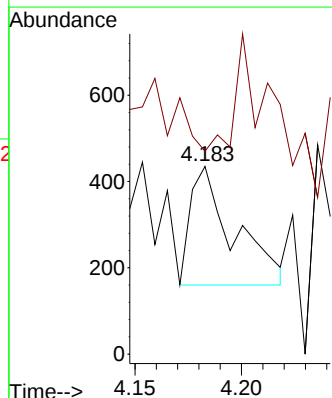
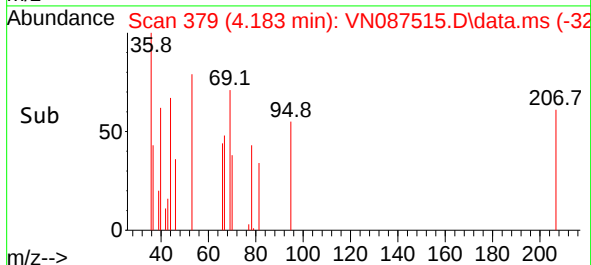
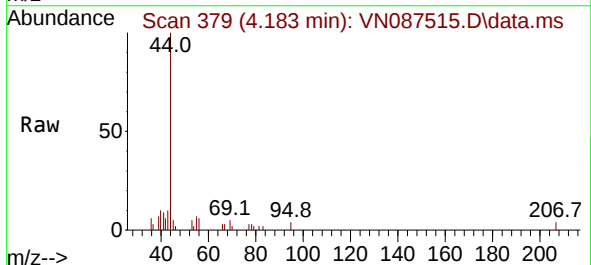


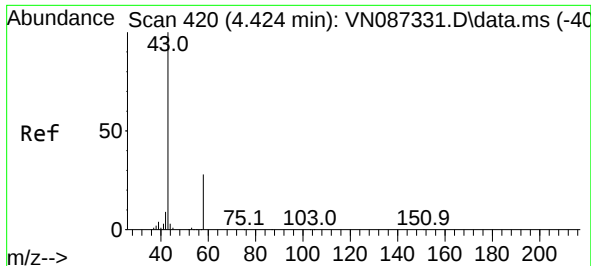
Tgt Ion: 96 Resp: 579
 Ion Ratio Lower Upper
 96 100
 61 39.5 132.3 198.5#
 98 58.0 46.8 70.2



#13
 Acrolein
 Concen: 0.611 ug/l
 RT: 4.183 min Scan# 379
 Delta R.T. 0.006 min
 Lab File: VN087515.D
 Acq: 12 Aug 2025 15:29

Tgt Ion: 56 Resp: 388
 Ion Ratio Lower Upper
 56 100
 55 183.5 56.2 84.4#

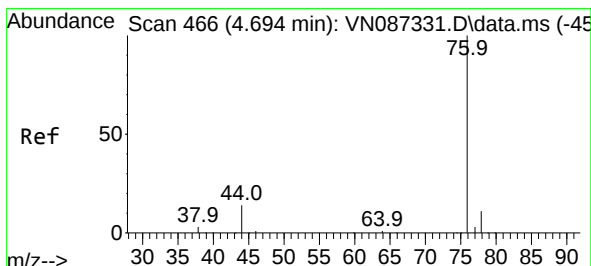
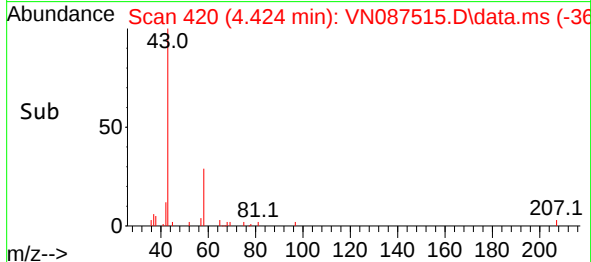
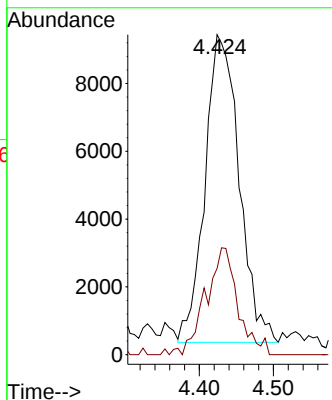
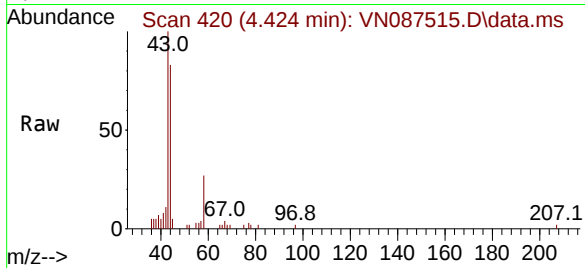




#16
Acetone
Concen: 14.870 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

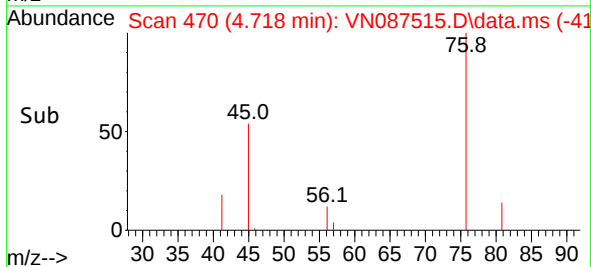
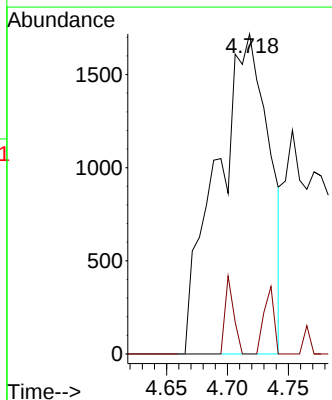
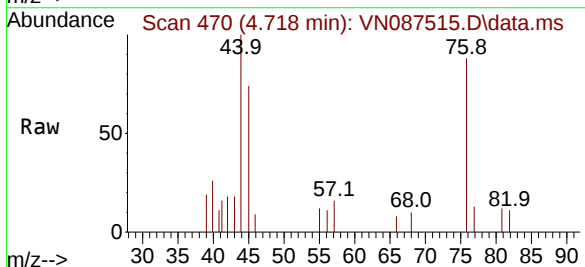
Instrument :
MSVOA_N
ClientSampleId :
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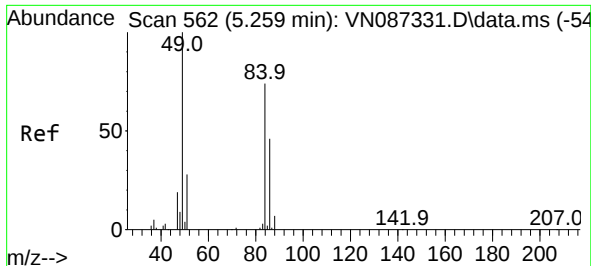
Tgt Ion: 43 Resp: 29045
Ion Ratio Lower Upper
43 100
58 28.0 22.3 33.5



#17
Carbon Disulfide
Concen: 0.619 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.024 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

Tgt Ion: 76 Resp: 5141
Ion Ratio Lower Upper
76 100
78 0.0 8.6 13.0#

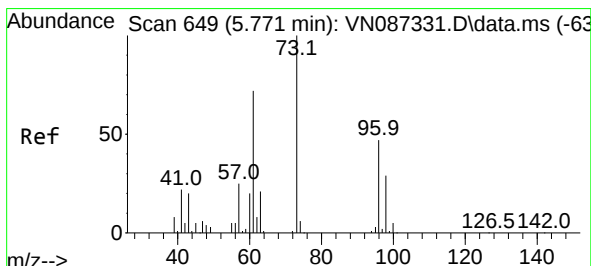
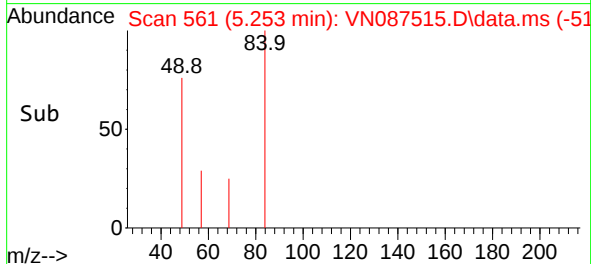
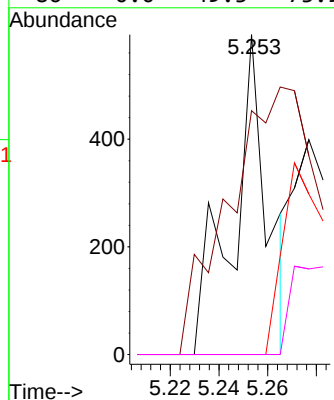
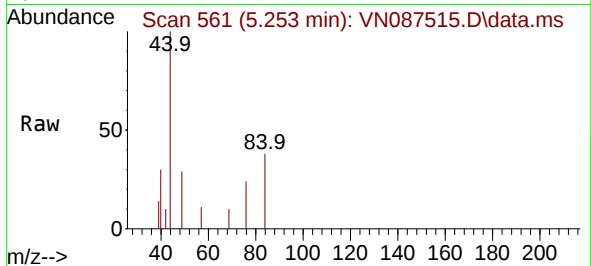




#20
Methylene Chloride
Concen: Below Cal
RT: 5.253 min Scan# 511
Delta R.T. -0.006 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

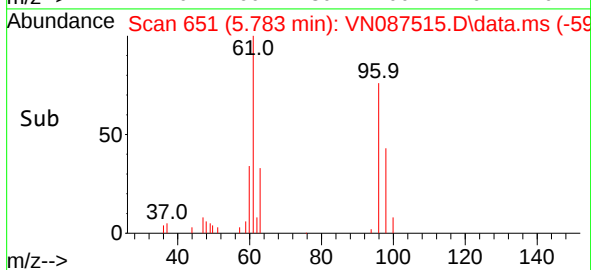
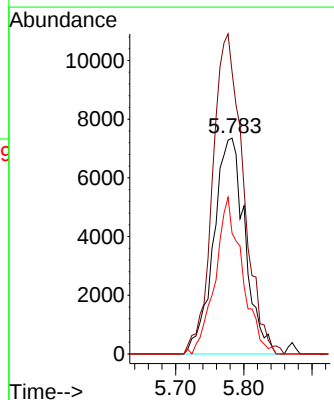
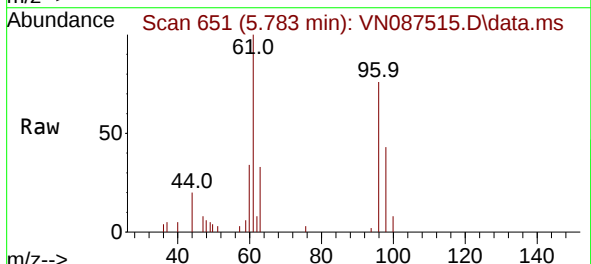
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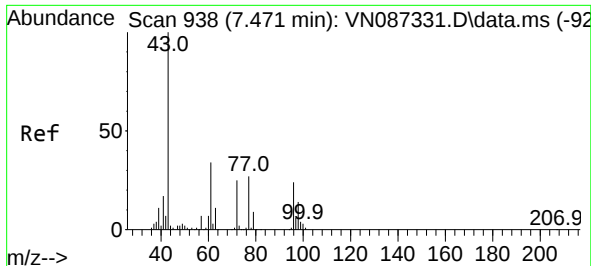
Tgt Ion:	84	Resp:	592
Ion	Ratio	Lower	Upper
84	100		
49	76.3	107.5	161.3#
51	0.0	30.2	45.2#
86	0.0	49.3	73.9#



#21
trans-1,2-Dichloroethene
Concen: 7.427 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.012 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

Tgt Ion:	96	Resp:	23476
Ion	Ratio	Lower	Upper
96	100		
61	130.9	122.0	183.0
98	56.0	50.0	75.0

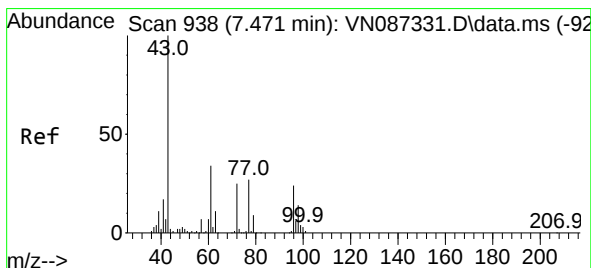
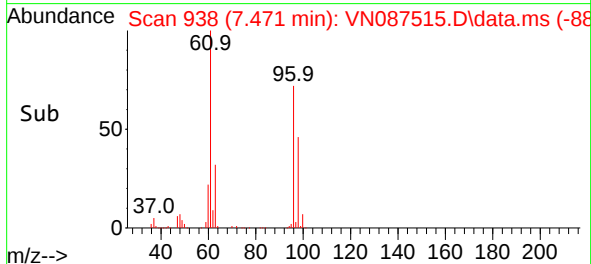
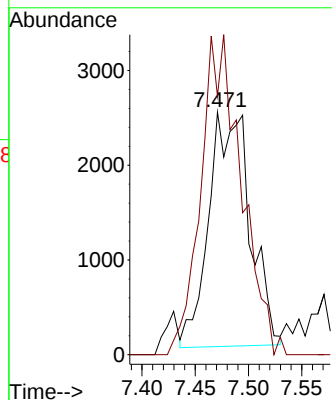
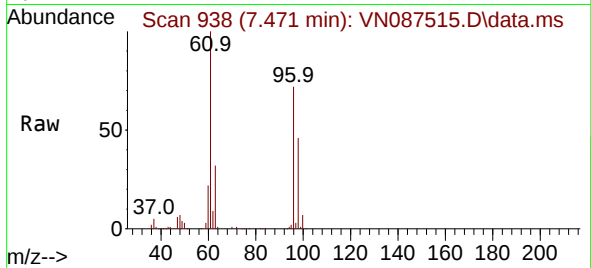




#25
2-Butanone
Concen: 2.207 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

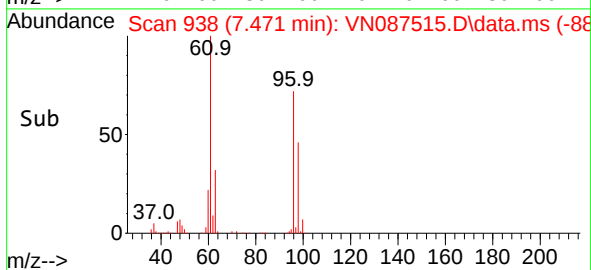
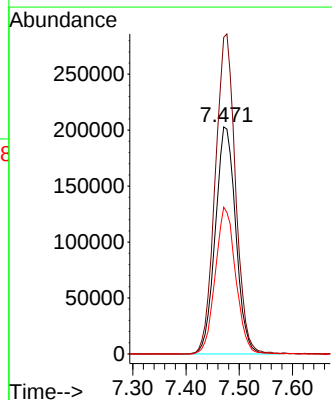
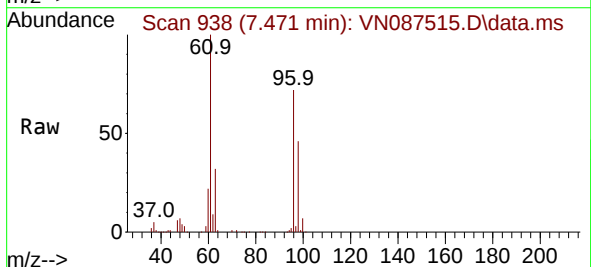
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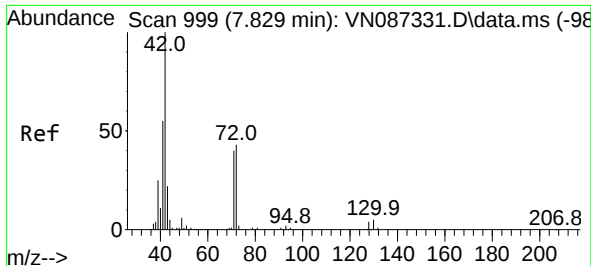
Tgt Ion: 43 Resp: 6660
Ion Ratio Lower Upper
43 100
72 105.5 19.6 29.4#



#27
cis-1,2-Dichloroethene
Concen: 148.782 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

Tgt Ion: 96 Resp: 541413
Ion Ratio Lower Upper
96 100
61 139.6 0.0 297.8
98 64.3 0.0 132.4





#29

Tetrahydrofuran

Concen: 1.176 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

Lab File: VN087515.D

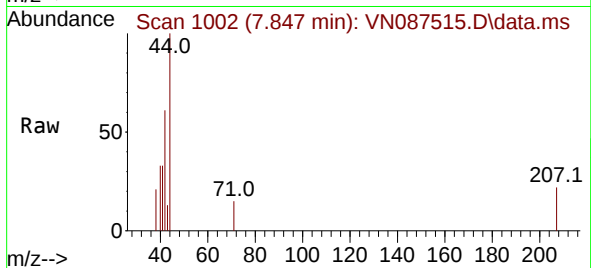
Acq: 12 Aug 2025 15:29

Instrument :

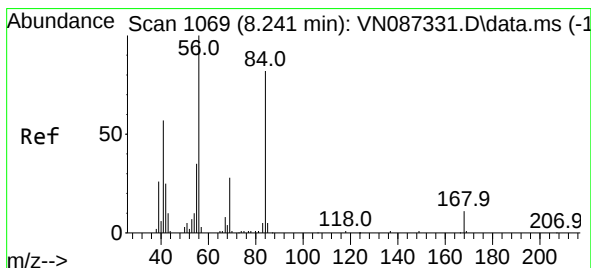
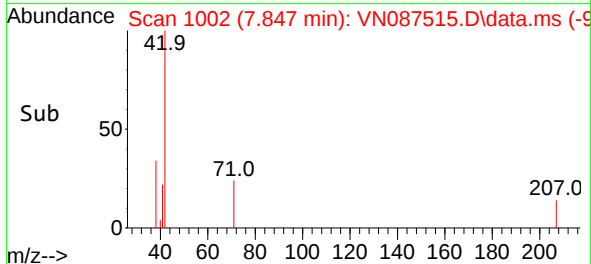
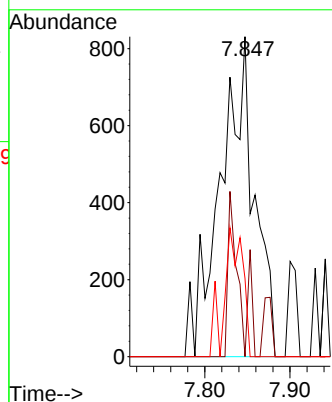
MSVOA_N

ClientSampleId :

1059-MW-17A(15.5)



Tgt Ion:	42	Resp:	2305
Ion	Ratio	Lower	Upper
42	100		
72	13.1	33.4	50.0#
71	22.0	31.2	46.8#



#31

Cyclohexane

Concen: 1.867 ug/l

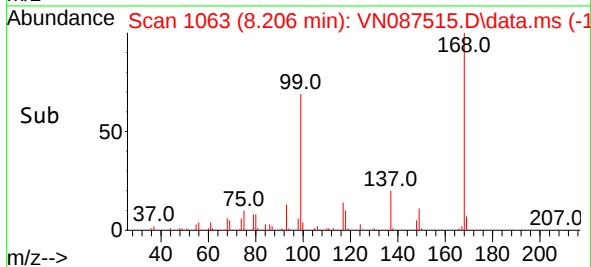
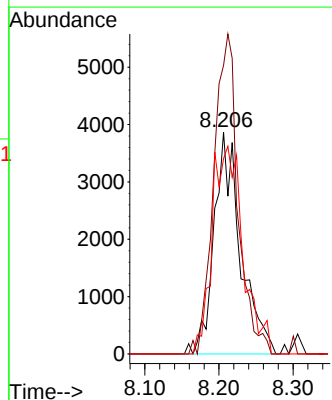
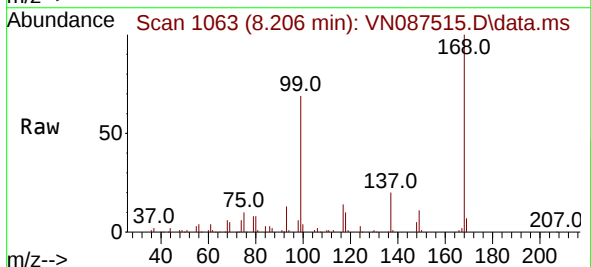
RT: 8.206 min Scan# 1063

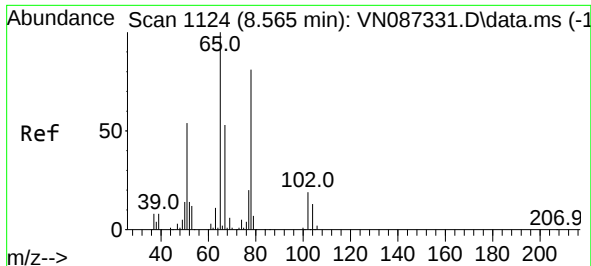
Delta R.T. -0.035 min

Lab File: VN087515.D

Acq: 12 Aug 2025 15:29

Tgt Ion:	56	Resp:	9560
Ion	Ratio	Lower	Upper
56	100		
69	130.0	22.7	34.1#
84	88.0	65.8	98.6





#33

1,2-Dichloroethane-d4

Concen: 61.304 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087515.D

Acq: 12 Aug 2025 15:29

Instrument :

MSVOA_N

ClientSampleId :

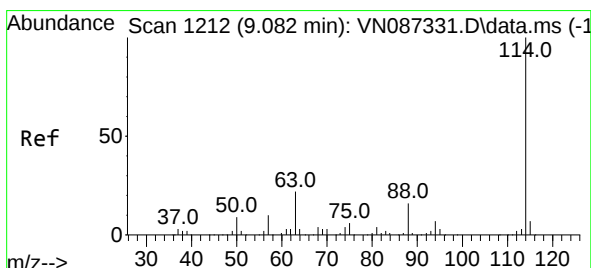
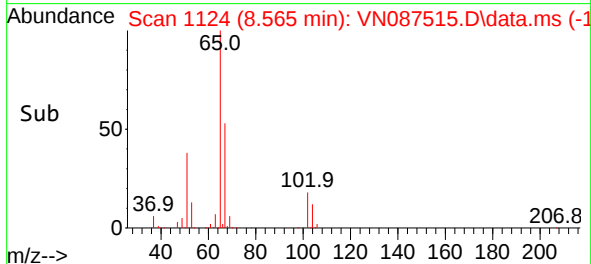
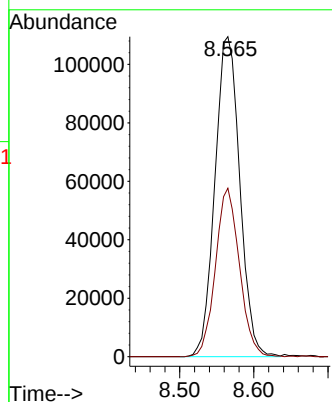
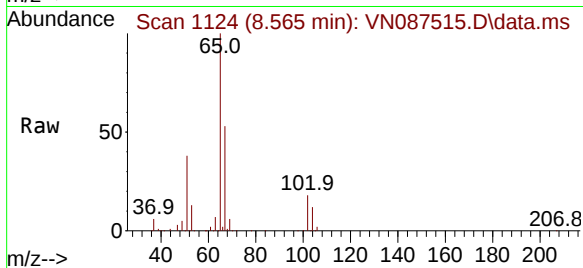
1059-MW-17A(15.5)

Tgt Ion: 65 Resp: 255388

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087515.D

Acq: 12 Aug 2025 15:29

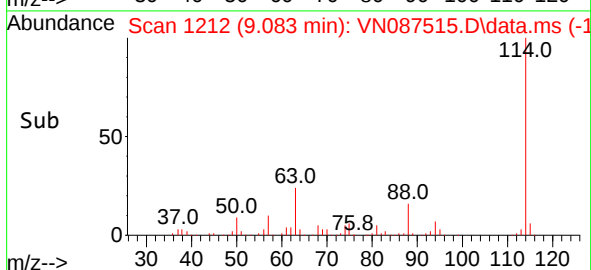
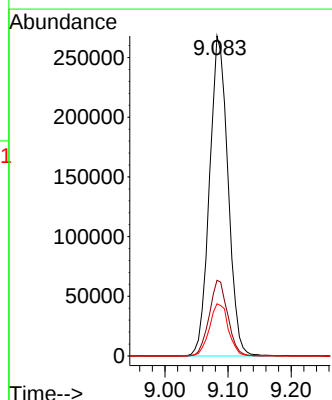
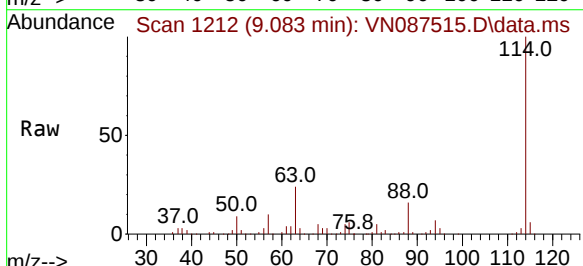
Tgt Ion: 114 Resp: 544156

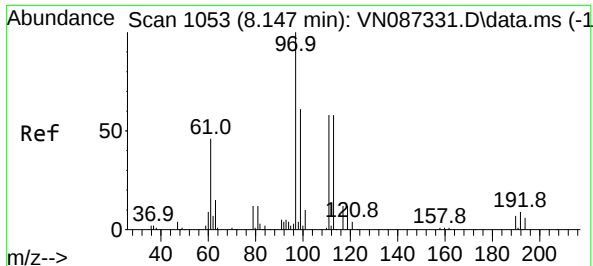
Ion Ratio Lower Upper

114 100

63 23.7 0.0 44.6

88 16.3 0.0 32.8

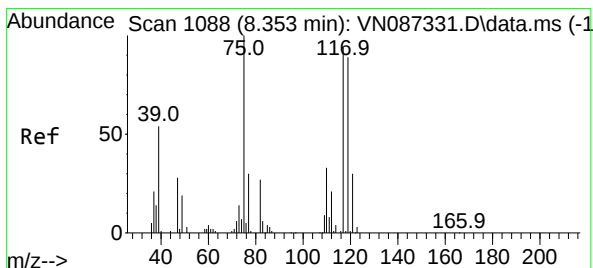
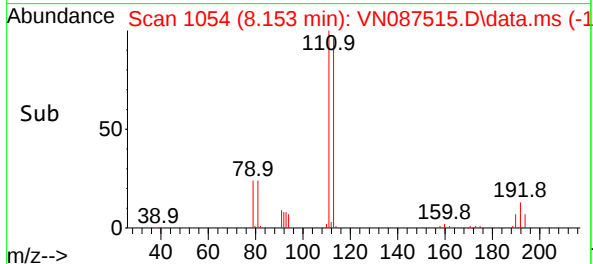
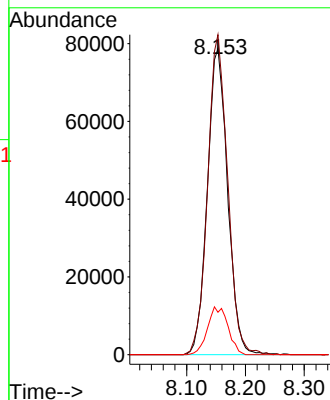
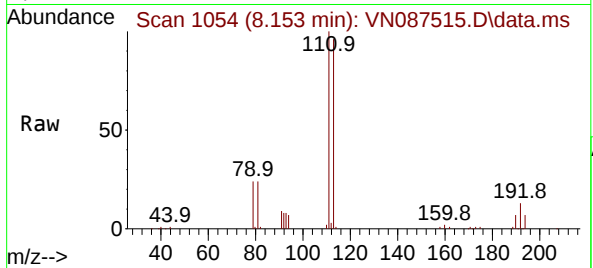




#35
Dibromofluoromethane
Concen: 50.168 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

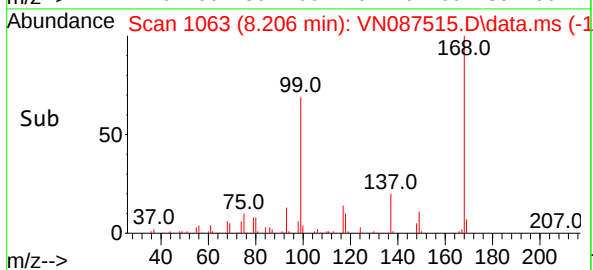
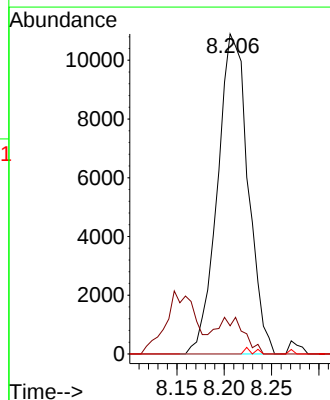
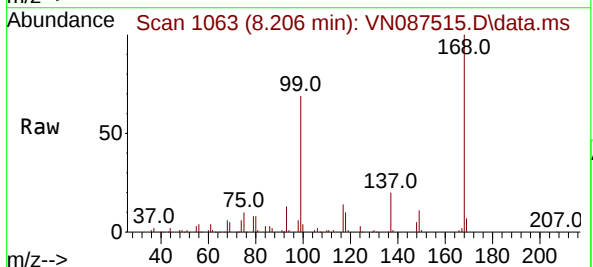
Instrument :
MSVOA_N
ClientSampleId :
1059-MW-17A(15.5)

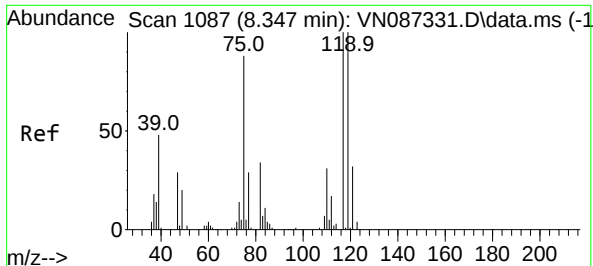
Tgt Ion:113 Resp: 188310
Ion Ratio Lower Upper
113 100
111 102.9 82.5 123.7
192 15.9 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.940 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

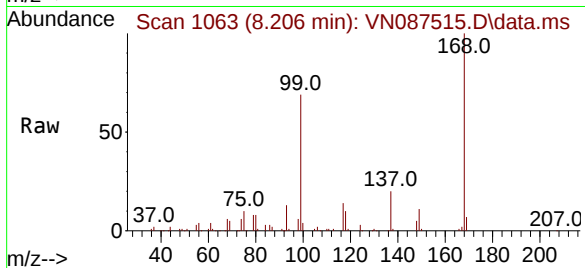
Tgt Ion: 75 Resp: 24498
Ion Ratio Lower Upper
75 100
110 10.3 16.7 50.1#
77 0.0 25.2 37.8#



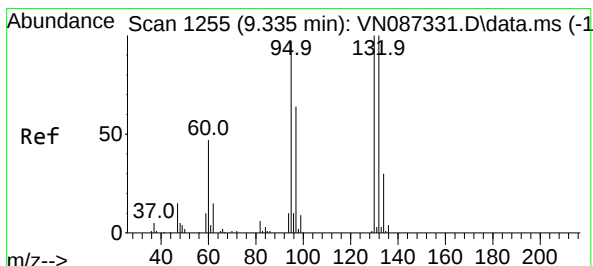
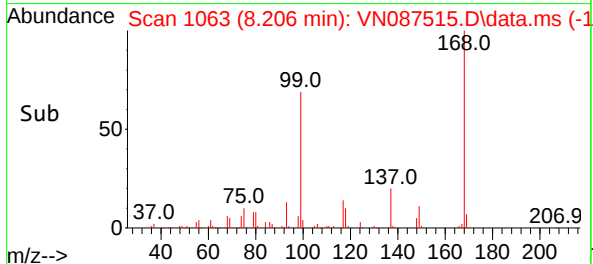
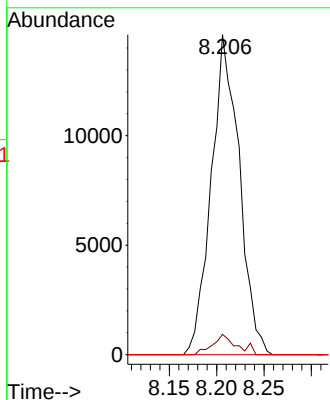


#38
Carbon Tetrachloride
Concen: 5.508 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

Instrument :
MSVOA_N
ClientSampleId :
1059-MW-17A(15.5)

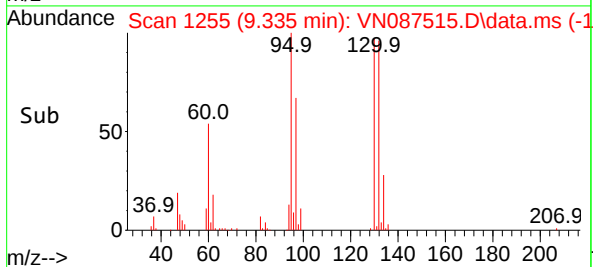
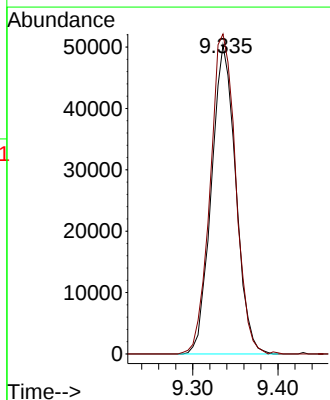
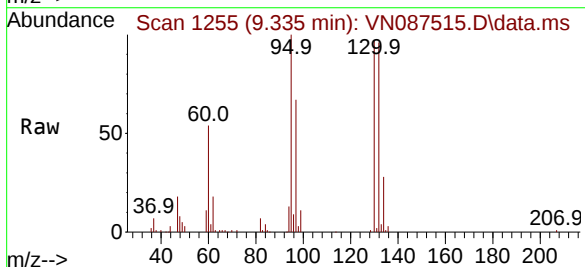


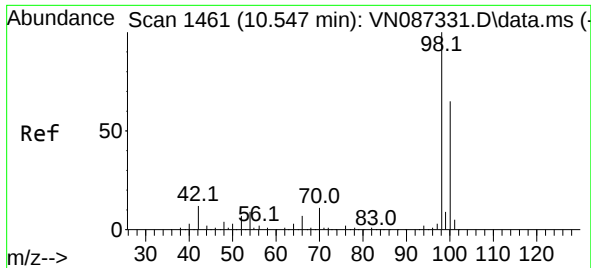
Tgt Ion:117 Resp: 30089
Ion Ratio Lower Upper
117 100
119 6.4 80.2 120.2#
121 0.0 25.4 38.2#



#44
Trichloroethene
Concen: 26.470 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

Tgt Ion:130 Resp: 100249
Ion Ratio Lower Upper
130 100
95 103.6 0.0 195.2

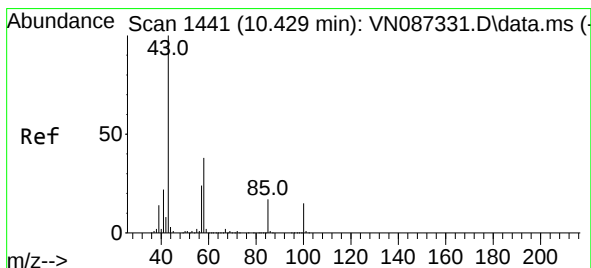
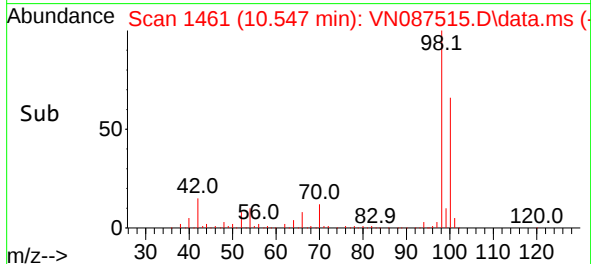
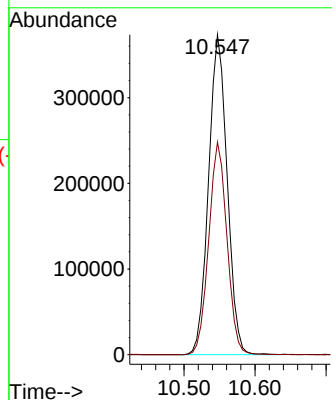
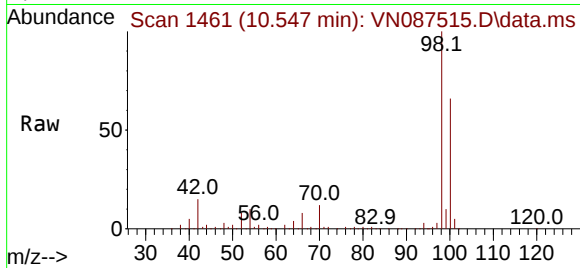




#50
Toluene-d8
Concen: 50.795 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

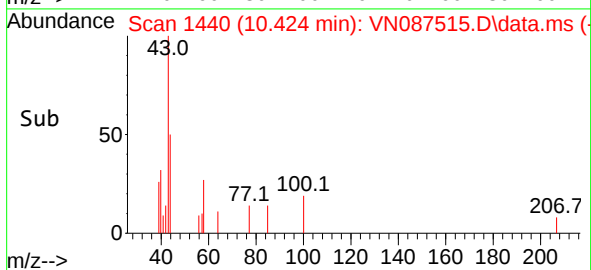
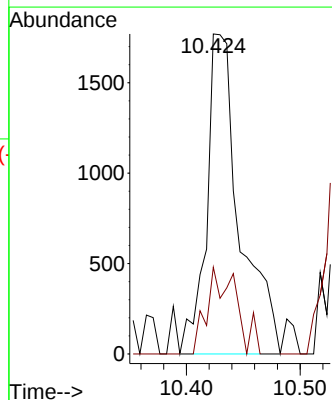
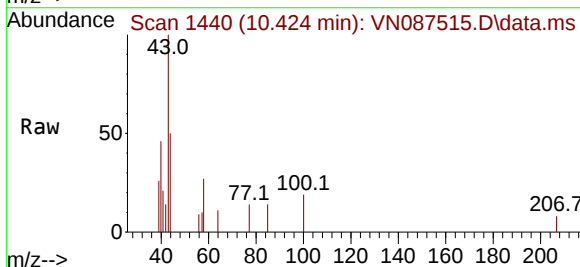
Instrument :
MSVOA_N
ClientSampleId :
1059-MW-17A(15.5)

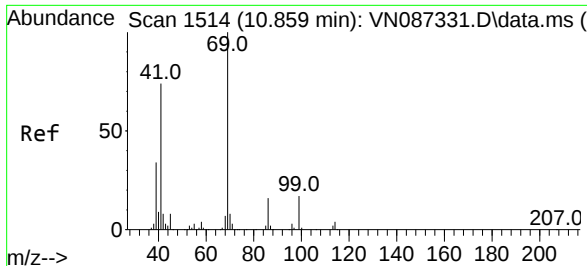
Tgt Ion: 98 Resp: 680121
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.512 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.005 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

Tgt Ion: 43 Resp: 3598
Ion Ratio Lower Upper
43 100
58 24.0 30.8 46.2#

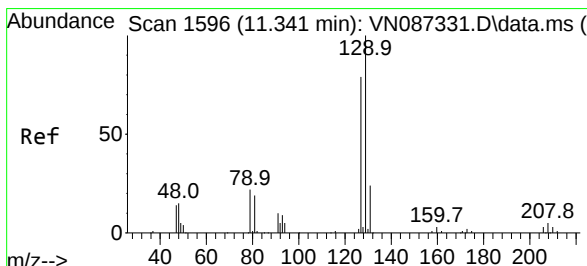
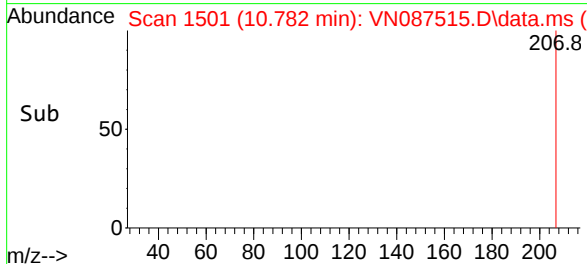
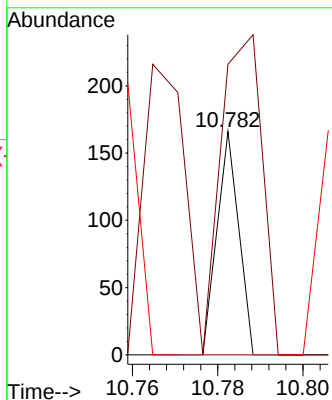
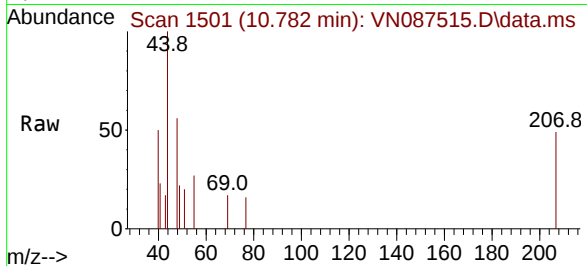




#56
Ethyl methacrylate
Concen: 0.644 ug/l
RT: 10.782 min Scan# 11
Delta R.T. -0.077 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

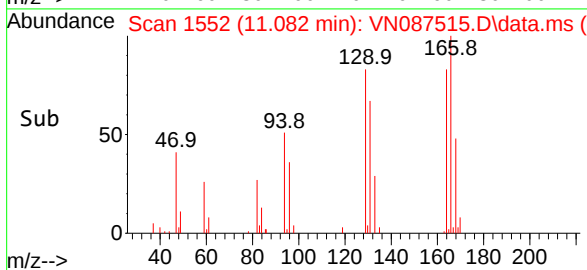
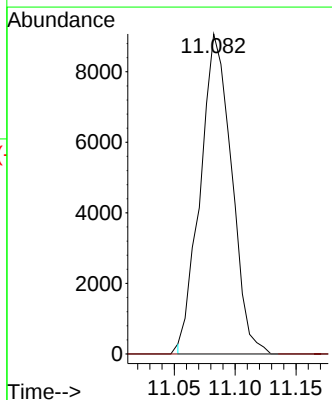
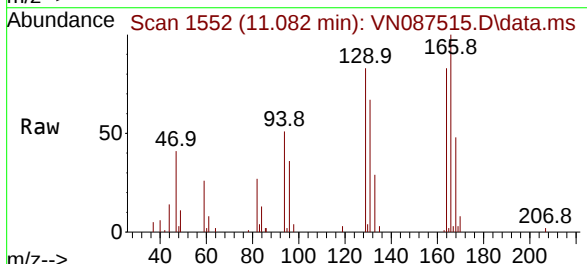
Instrument :
MSVOA_N
ClientSampleId :
1059-MW-17A(15.5)

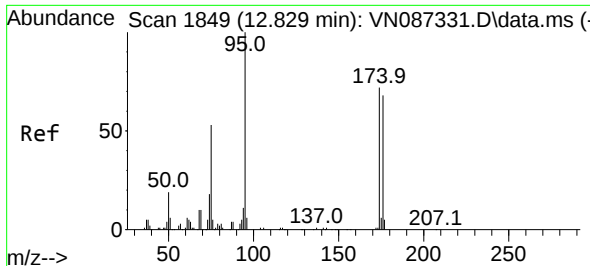
Tgt Ion: 69 Resp: 59
Ion Ratio Lower Upper
69 100
41 271.2 55.1 82.7#
39 0.0 27.9 41.9#



#60
Dibromochloromethane
Concen: 3.596 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.259 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

Tgt Ion: 129 Resp: 16176
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.5#

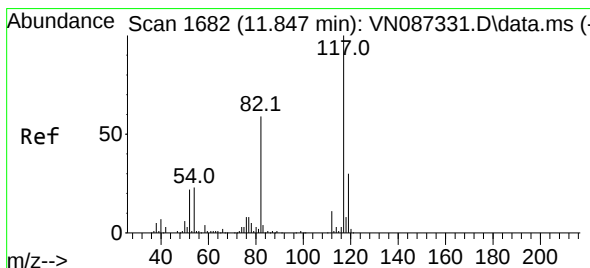
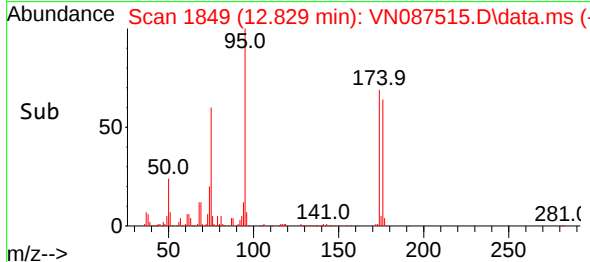
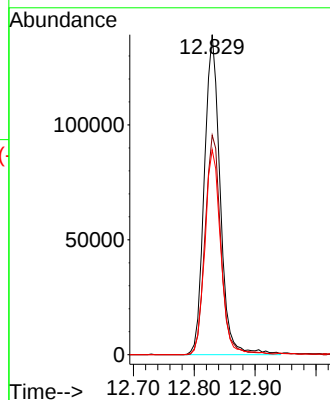
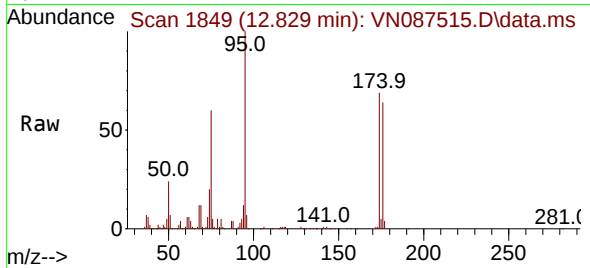




#62
4-Bromofluorobenzene
Concen: 50.743 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

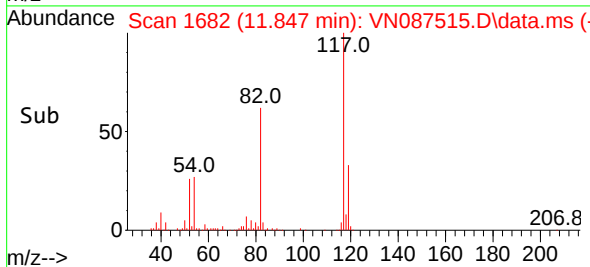
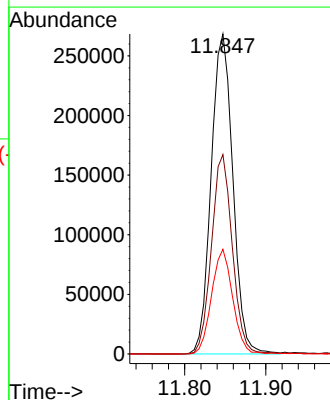
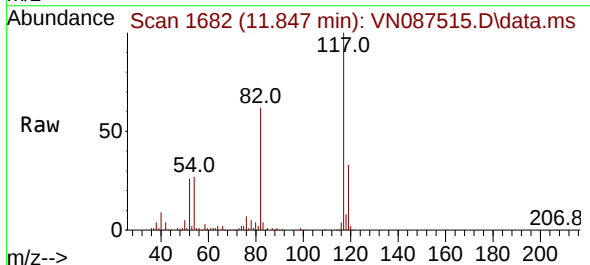
Instrument :
MSVOA_N
ClientSampleId :
1059-MW-17A(15.5)

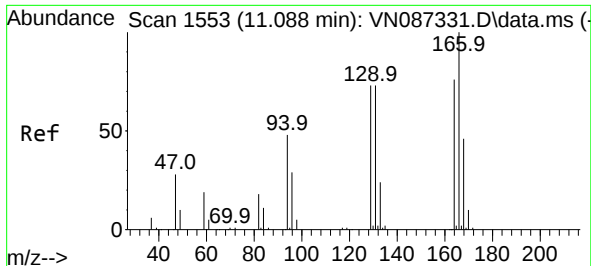
Tgt Ion: 95 Resp: 251013
Ion Ratio Lower Upper
95 100
174 68.3 0.0 149.4
176 64.6 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

Tgt Ion: 117 Resp: 499181
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.2
119 32.7 23.8 35.8

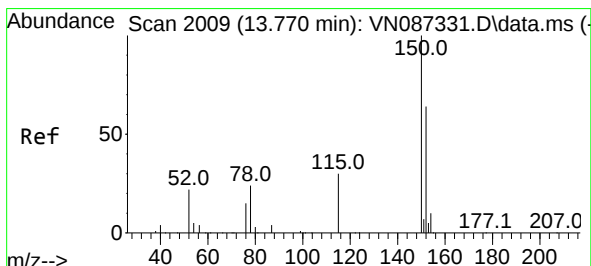
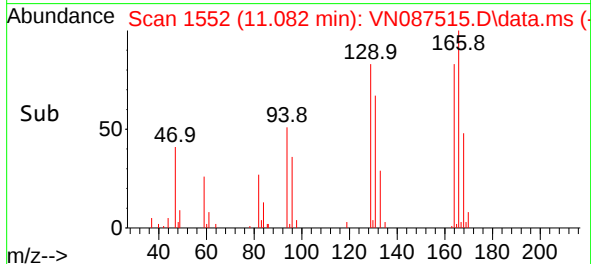
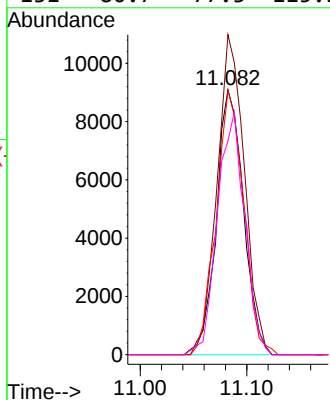
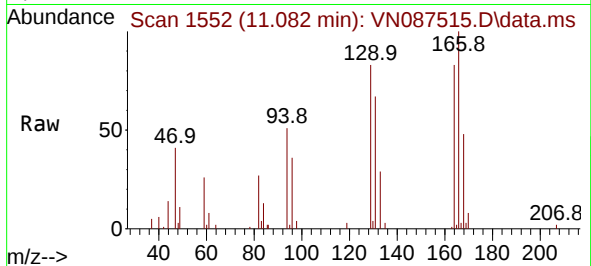




#64
Tetrachloroethene
Concen: 4.998 ug/l
RT: 11.082 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

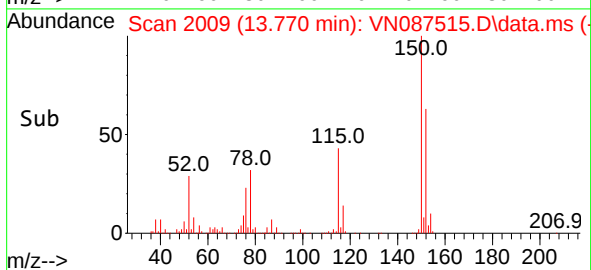
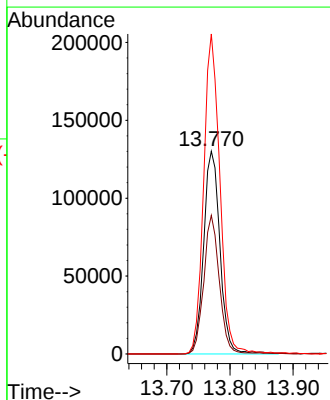
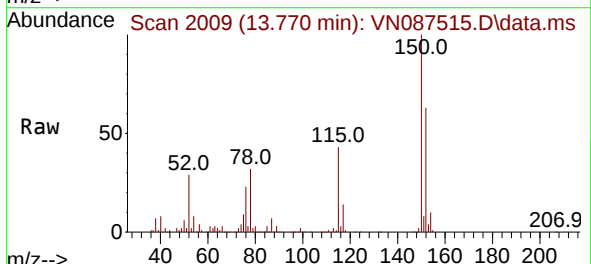
Instrument :
MSVOA_N
ClientSampleId :
1059-MW-17A(15.5)

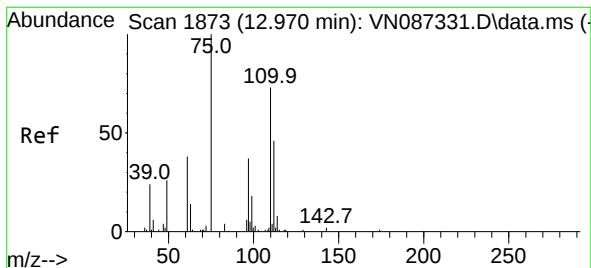
Tgt Ion:164	Resp:	16057
Ion Ratio	Lower	Upper
164	100	
166	120.8	105.5 158.3
129	99.8	77.4 116.2
131	80.7	77.3 115.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087515.D
Acq: 12 Aug 2025 15:29

Tgt Ion:152	Resp:	232946
Ion Ratio	Lower	Upper
152	100	
115	65.6	31.1 93.5
150	157.5	0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 27.726 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087515.D

Acq: 12 Aug 2025 15:29

Instrument :

MSVOA_N

ClientSampleId :

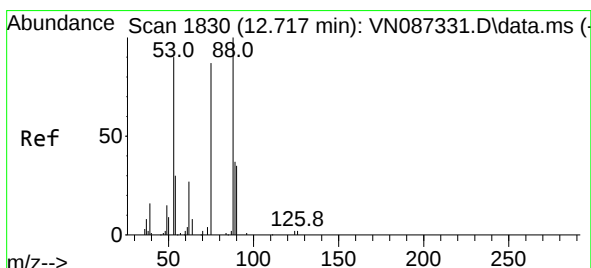
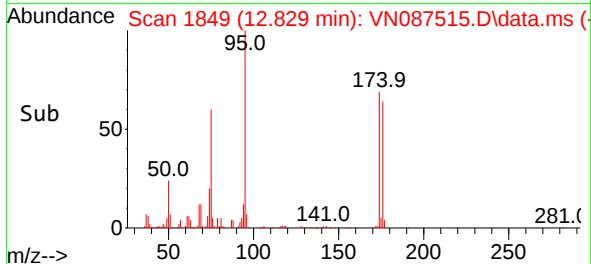
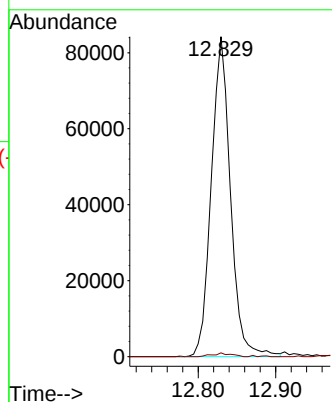
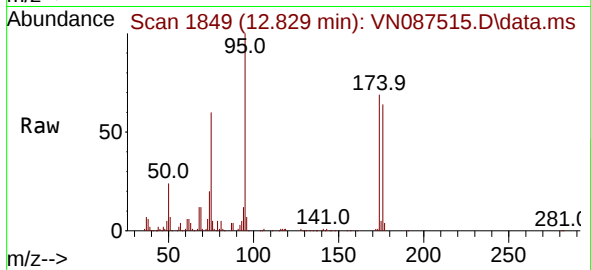
1059-MW-17A(15.5)

Tgt Ion: 75 Resp: 144832

Ion Ratio Lower Upper

75 100

77 1.1 94.5 283.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.864 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087515.D

Acq: 12 Aug 2025 15:29

Tgt Ion: 75 Resp: 144832

Ion Ratio Lower Upper

75 100

53 0.0 83.5 125.3#

89 0.0 38.4 57.6#

