

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087653.D
 Acq On : 25 Aug 2025 13:37
 Operator : JC\MD
 Sample : Q2936-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 26 01:34:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

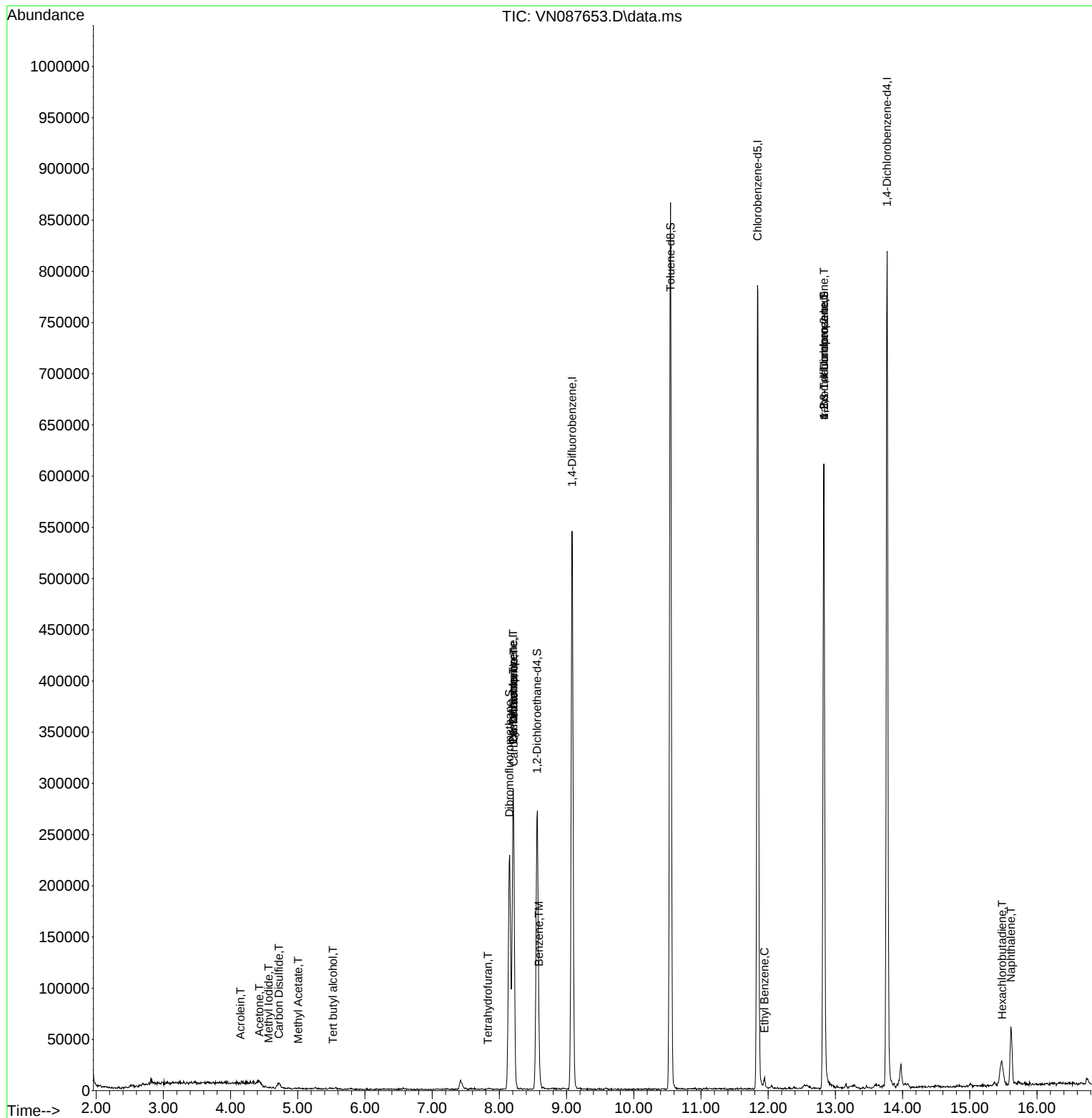
Internal Standards						
1) Pentafluorobenzene	8.206	168	191231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	449008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	426482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	204728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	230169	58.745	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	117.500%	
35) Dibromofluoromethane	8.147	113	162999	50.280	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.560%	
50) Toluene-d8	10.547	98	578547	47.681	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	95.360%	
62) 4-Bromofluorobenzene	12.829	95	214615	49.736	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	99.480%	
Target Compounds						
						Qvalue
10) Methyl Iodide	4.565	142	332	6.953	ug/l #	38
11) Tert butyl alcohol	5.524	59	669	0.984	ug/l #	71
13) Acrolein	4.148	56	757	0.905	ug/l #	62
16) Acetone	4.430	43	6068	2.845	ug/l #	84
17) Carbon Disulfide	4.718	76	2375	0.313	ug/l #	74
18) Methyl Acetate	5.006	43	1056	0.236	ug/l #	54
20) Methylene Chloride	5.259	84	511	Below Cal	#	24
29) Tetrahydrofuran	7.830	42	439	0.243	ug/l #	34
31) Cyclohexane	8.206	56	6014	1.220	ug/l #	14
36) 1,1-Dichloropropene	8.206	75	18138	3.647	ug/l #	51
38) Carbon Tetrachloride	8.212	117	24116	4.911	ug/l #	14
40) Benzene	8.588	78	12394	0.813	ug/l #	78
67) Ethyl Benzene	11.947	91	5819	0.317	ug/l #	88
76) 1,2,3-Trichloropropane	12.829	75	124144	25.858	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	124144	68.456	ug/l #	1
94) Hexachlorobutadiene	15.482	225	334	0.214	ug/l #	68
95) Naphthalene	15.611	128	55627	3.589	ug/l	98

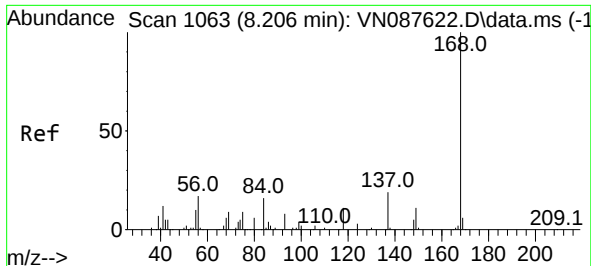
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 26 01:34:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

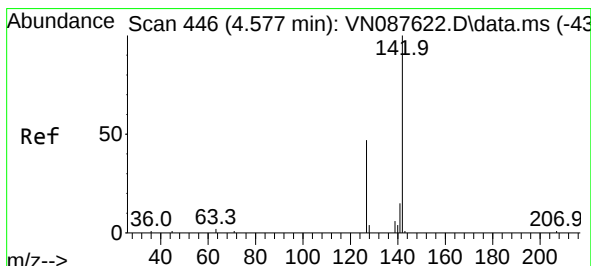
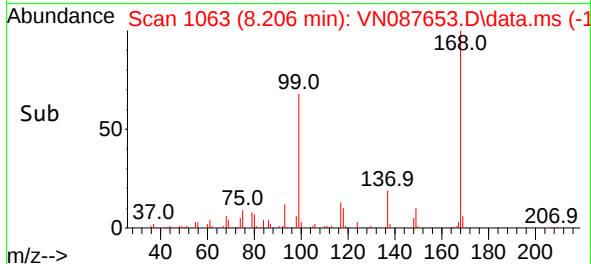
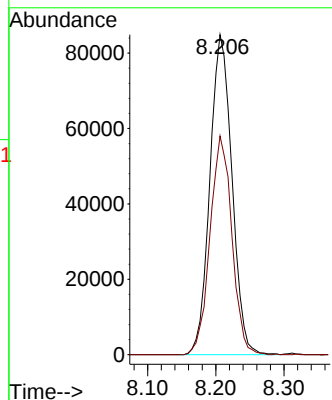
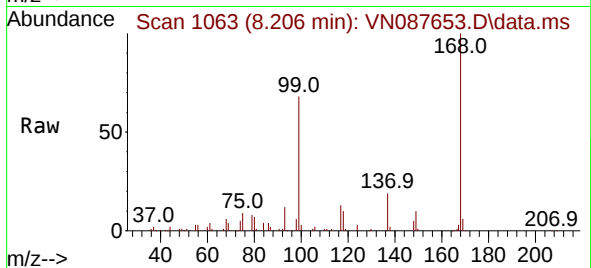




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

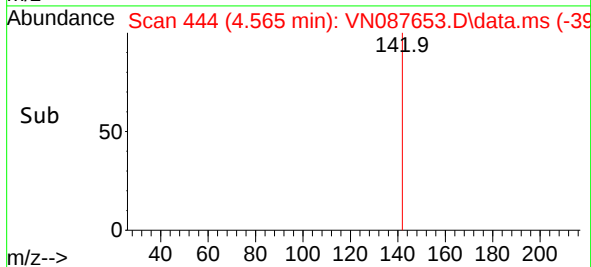
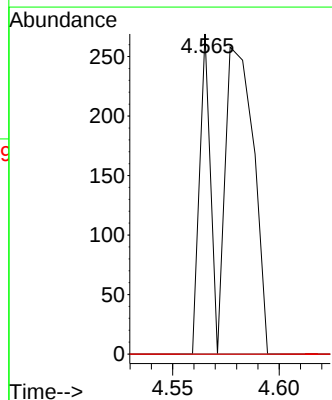
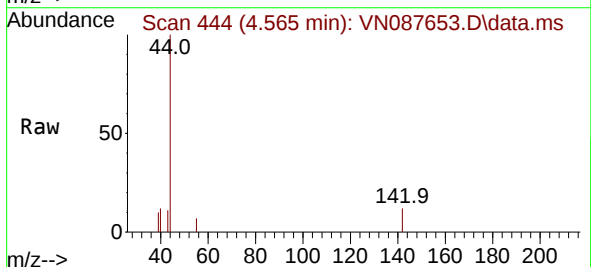
Instrument :
MSVOA_N
ClientSampleId :

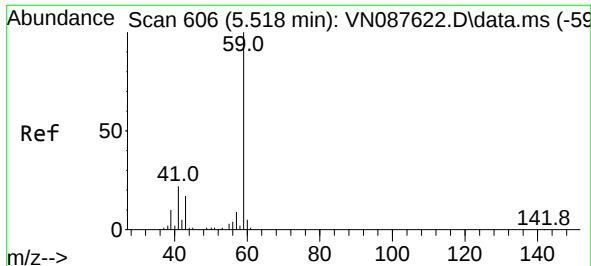
Tgt Ion:168 Resp: 191231
Ion Ratio Lower Upper
168 100
99 68.3 57.2 85.8



#10
Methyl Iodide
Concen: 6.953 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.012 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Tgt Ion:142 Resp: 332
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

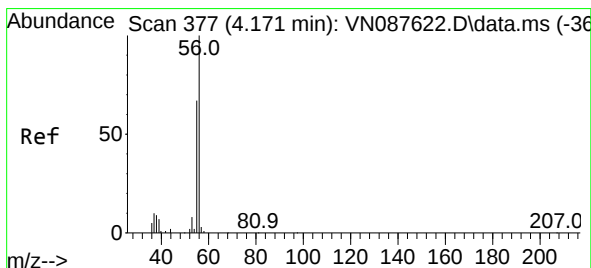
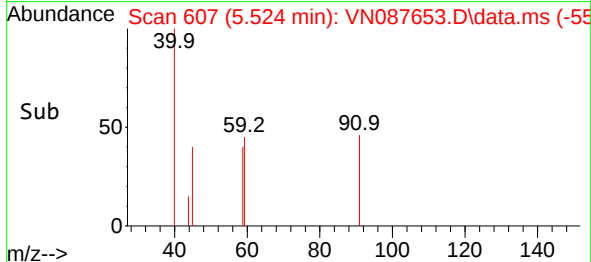
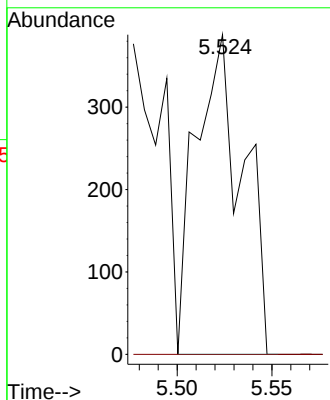
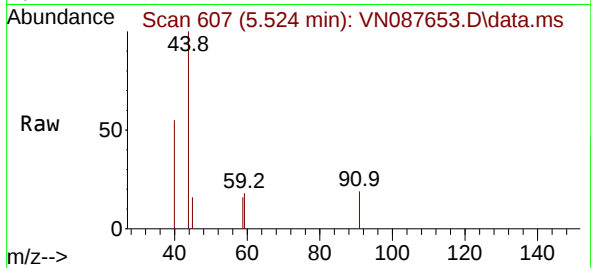




#11
Tert butyl alcohol
Concen: 0.984 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

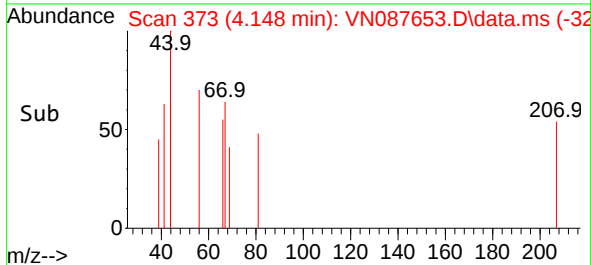
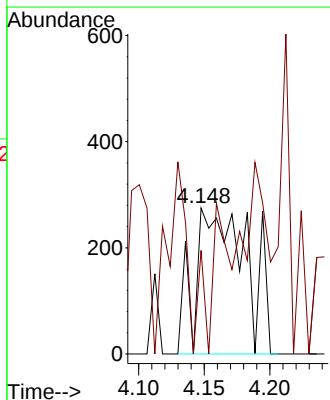
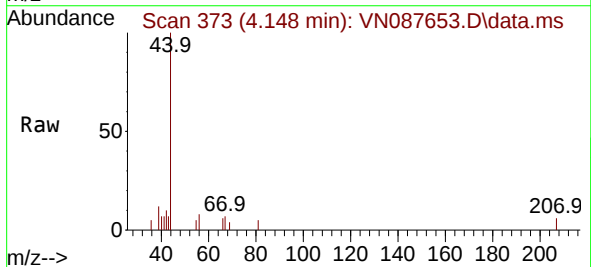
Instrument :
MSVOA_N
ClientSampleId :

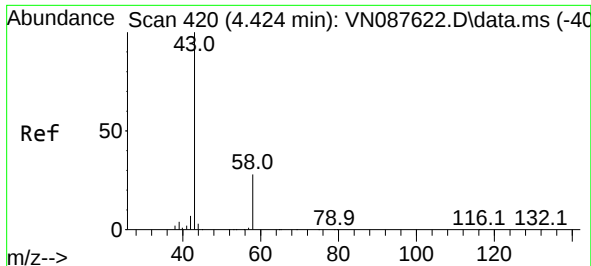
Tgt Ion: 59 Resp: 669
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 0.905 ug/l
RT: 4.148 min Scan# 373
Delta R.T. -0.024 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Tgt Ion: 56 Resp: 757
Ion Ratio Lower Upper
56 100
55 39.6 57.3 85.9#

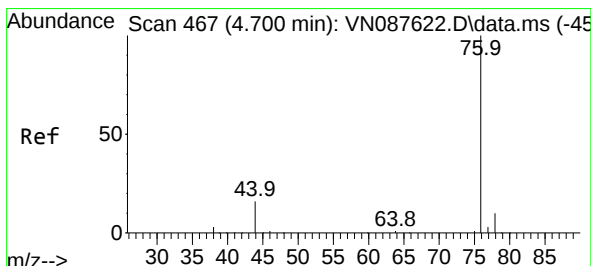
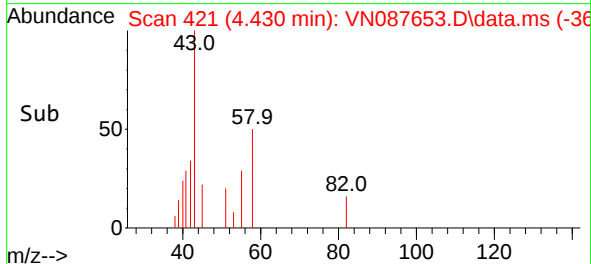
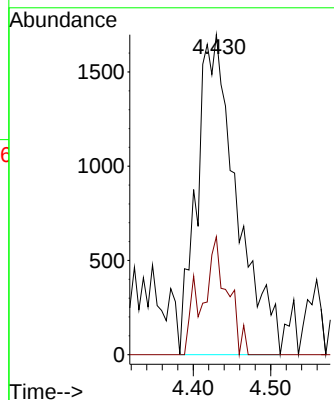
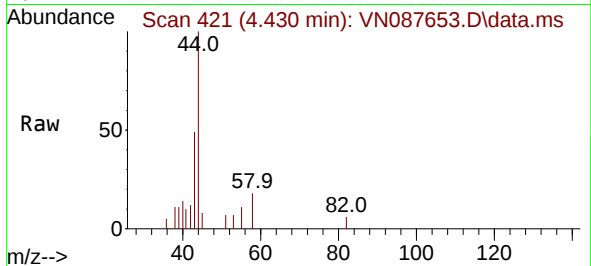




#16
Acetone
Concen: 2.845 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

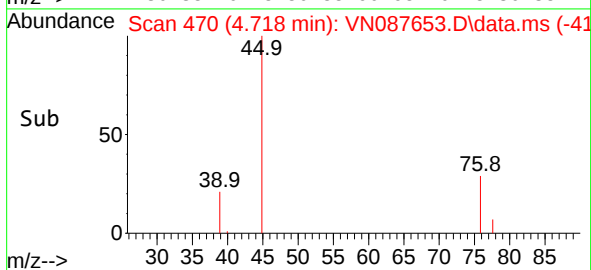
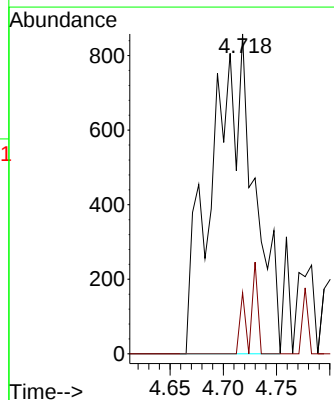
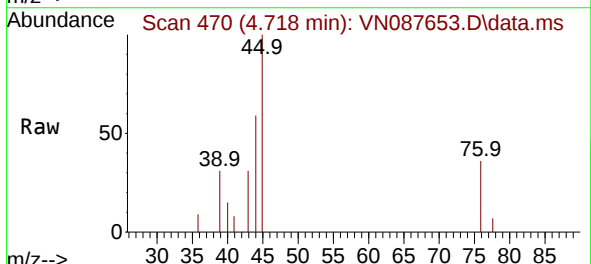
Instrument :
MSVOA_N
ClientSampleId :

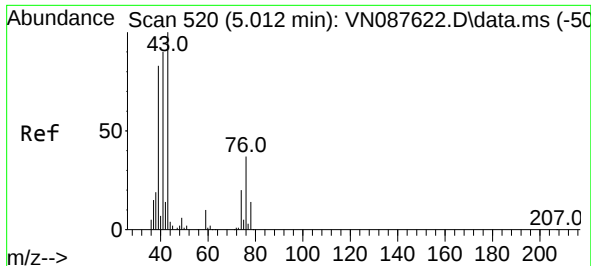
Tgt Ion: 43 Resp: 6068
Ion Ratio Lower Upper
43 100
58 36.9 22.6 33.8#



#17
Carbon Disulfide
Concen: 0.313 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.018 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Tgt Ion: 76 Resp: 2375
Ion Ratio Lower Upper
76 100
78 19.1 7.6 11.4#





#18

Methyl Acetate

Concen: 0.236 ug/l

RT: 5.006 min Scan# 51

Delta R.T. -0.006 min

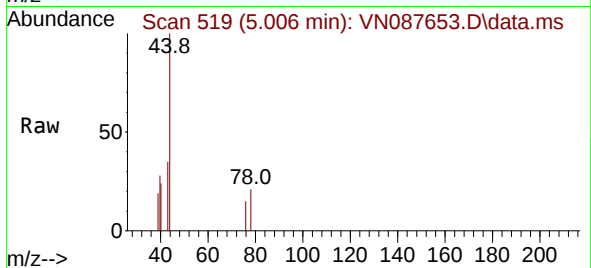
Lab File: VN087653.D

Acq: 25 Aug 2025 13:37

Instrument :

MSVOA_N

ClientSampleId :

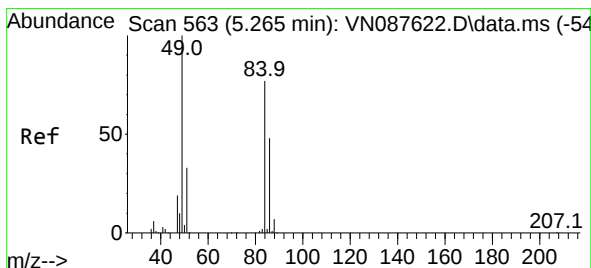
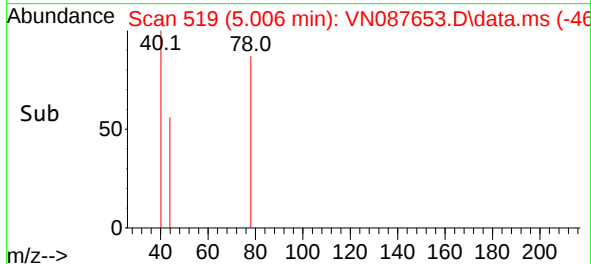
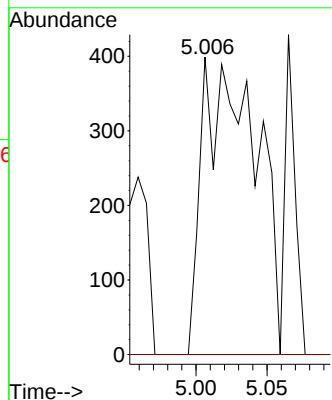


Tgt Ion: 43 Resp: 1056

Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.259 min Scan# 562

Delta R.T. -0.006 min

Lab File: VN087653.D

Acq: 25 Aug 2025 13:37

Tgt Ion: 84 Resp: 511

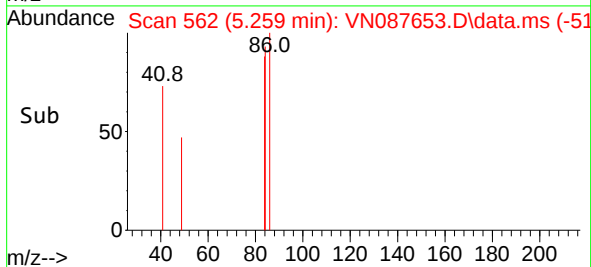
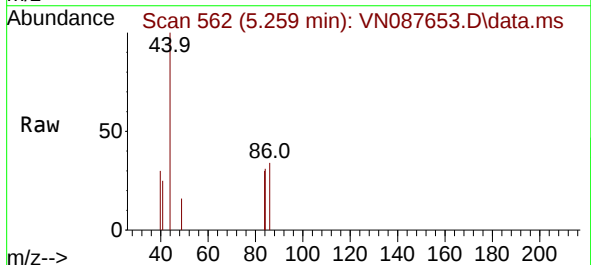
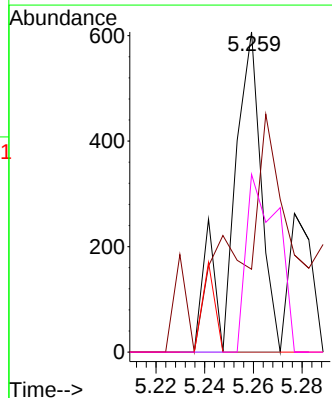
Ion Ratio Lower Upper

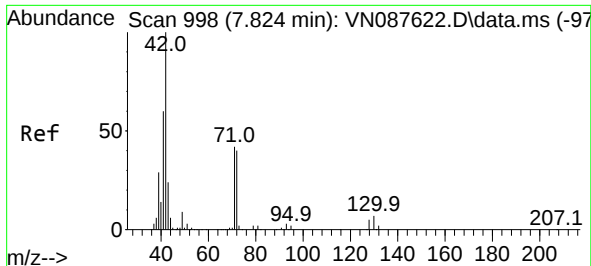
84 100

49 0.0 103.4 155.2#

51 0.0 33.8 50.8#

86 55.5 49.6 74.4





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 7.830 min Scan# 998

Delta R.T. 0.006 min

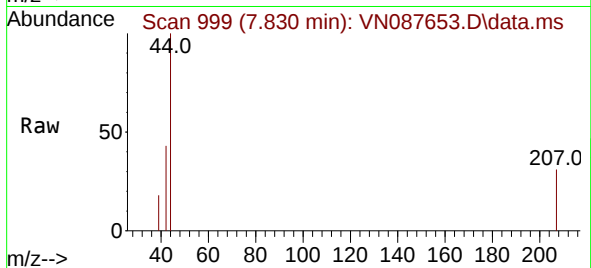
Lab File: VN087653.D

Acq: 25 Aug 2025 13:37

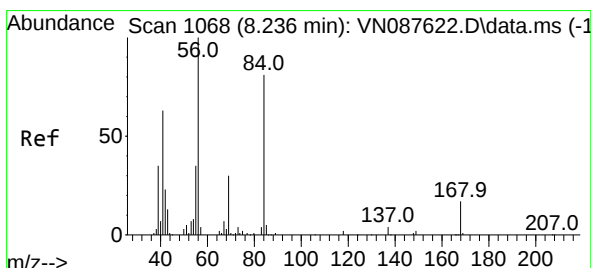
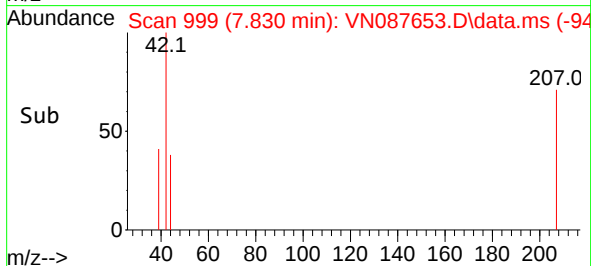
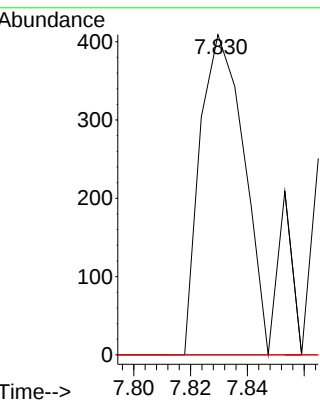
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	439
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	31.9	47.9#



#31

Cyclohexane

Concen: 1.220 ug/l

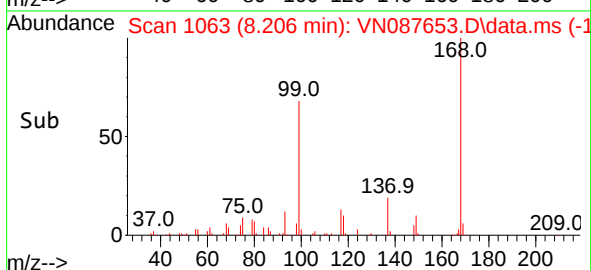
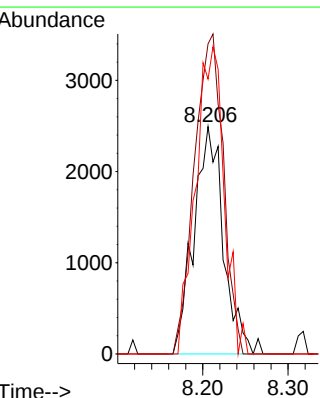
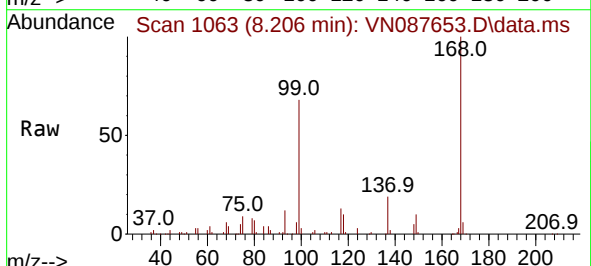
RT: 8.206 min Scan# 1063

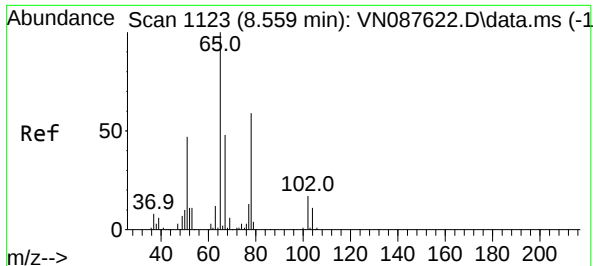
Delta R.T. -0.029 min

Lab File: VN087653.D

Acq: 25 Aug 2025 13:37

Tgt Ion:	56	Resp:	6014
Ion	Ratio	Lower	Upper
56	100		
69	136.3	23.7	35.5#
84	120.9	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 58.745 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087653.D

Acq: 25 Aug 2025 13:37

Instrument :

MSVOA_N

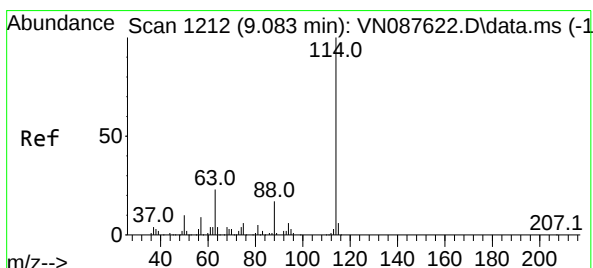
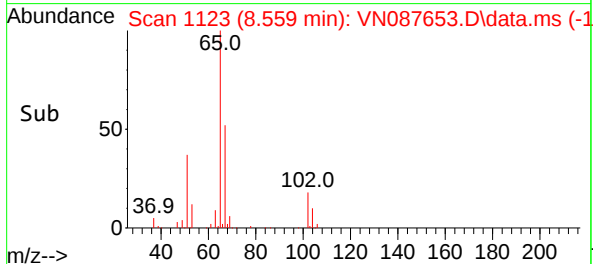
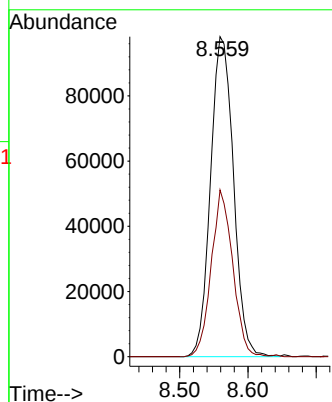
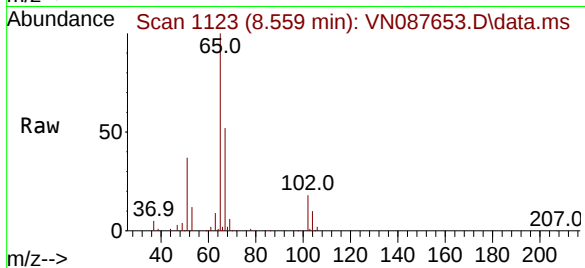
ClientSampleId :

Tgt Ion: 65 Resp: 230169

Ion Ratio Lower Upper

65 100

67 48.8 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087653.D

Acq: 25 Aug 2025 13:37

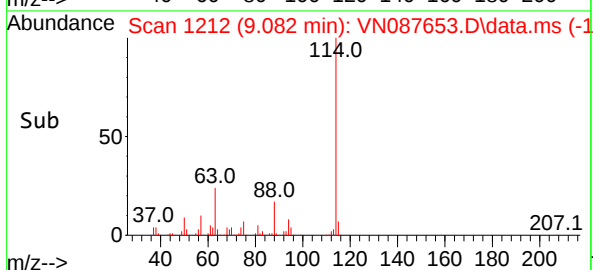
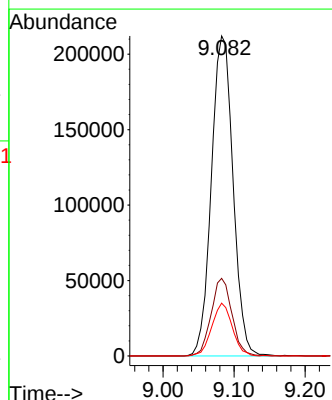
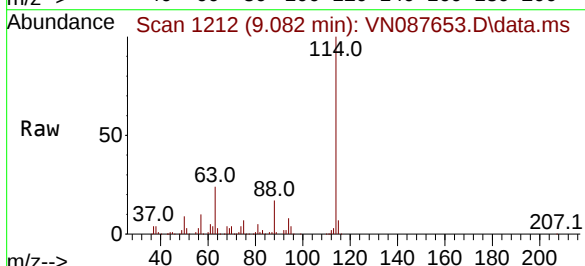
Tgt Ion: 114 Resp: 449008

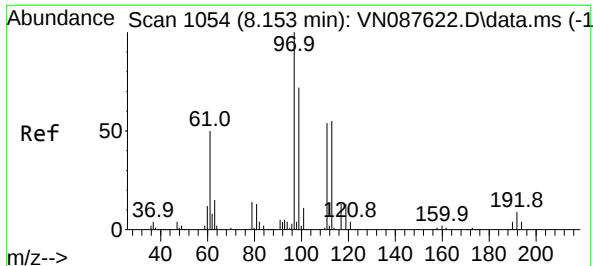
Ion Ratio Lower Upper

114 100

63 24.3 0.0 45.2

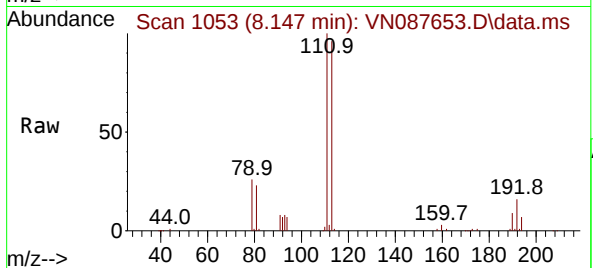
88 16.5 0.0 33.4



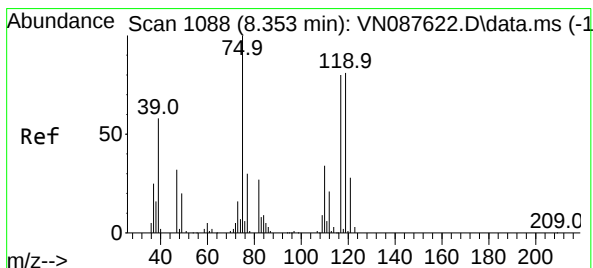
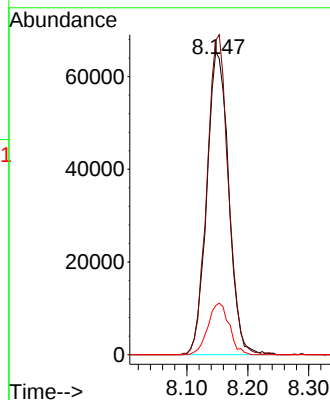
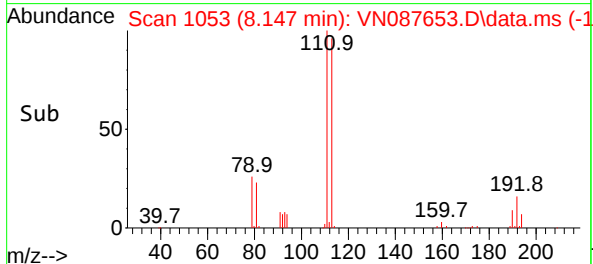


#35
Dibromofluoromethane
Concen: 50.280 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Instrument :
MSVOA_N
ClientSampleId :

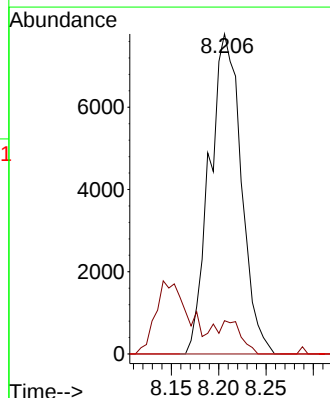
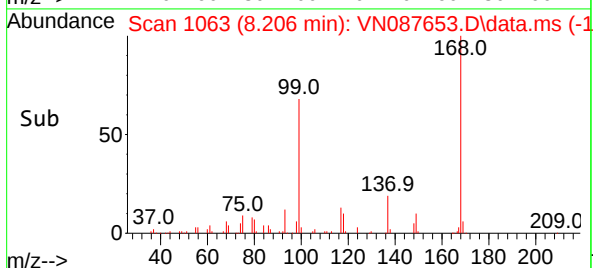
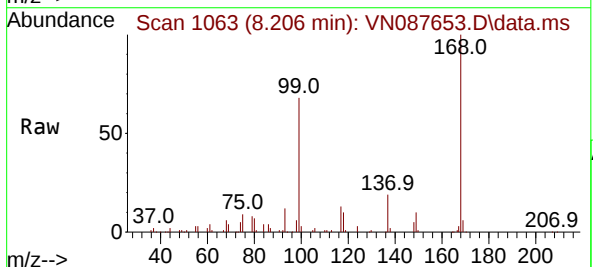


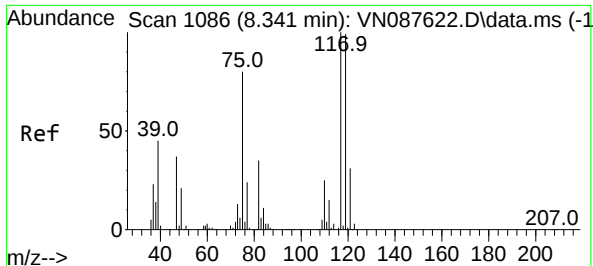
Tgt Ion:113 Resp: 162999
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 16.6 12.8 19.2



#36
1,1-Dichloropropene
Concen: 3.647 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

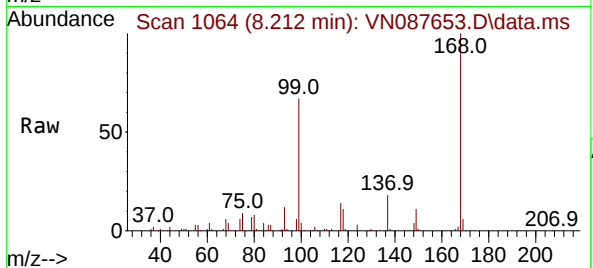
Tgt Ion: 75 Resp: 18138
Ion Ratio Lower Upper
75 100
110 8.6 15.9 47.6#
77 0.0 24.4 36.6#



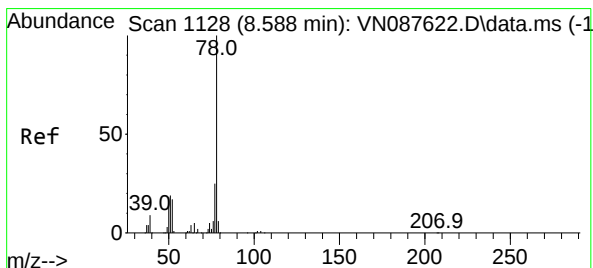
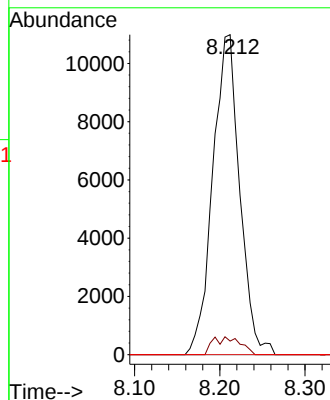
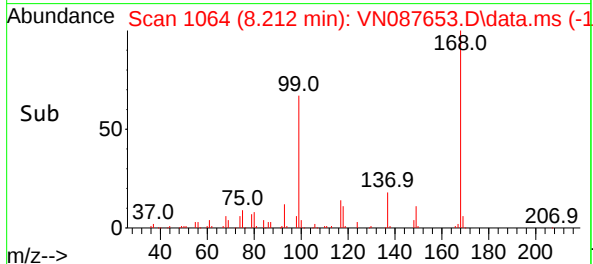


#38
Carbon Tetrachloride
Concen: 4.911 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Instrument :
MSVOA_N
ClientSampleId :

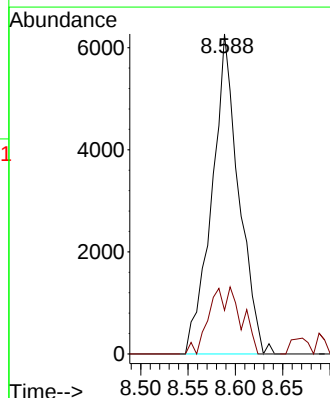
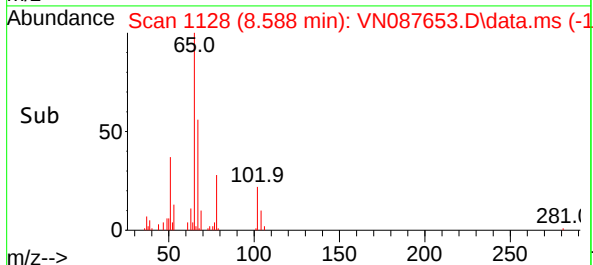
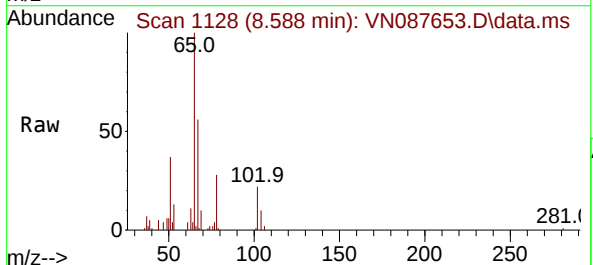


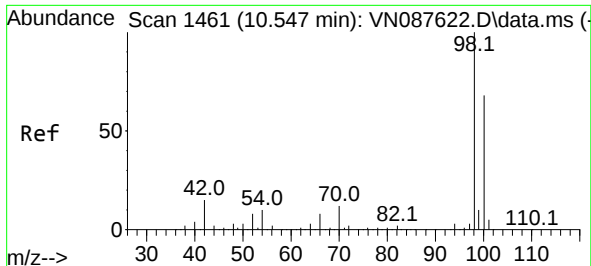
Tgt Ion:117 Resp: 24116
Ion Ratio Lower Upper
117 100
119 4.2 79.0 118.6#
121 0.0 25.0 37.6#



#40
Benzene
Concen: 0.813 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Tgt Ion: 78 Resp: 12394
Ion Ratio Lower Upper
78 100
77 13.6 19.7 29.5#

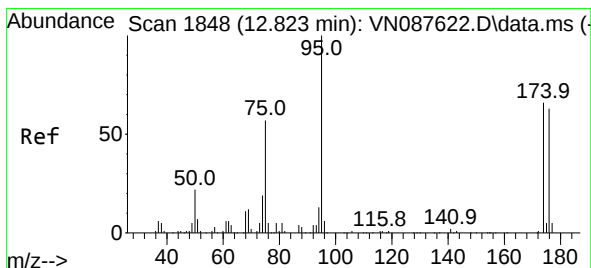
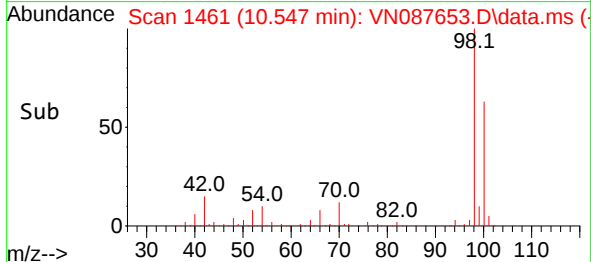
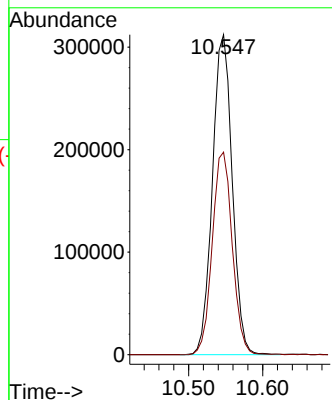
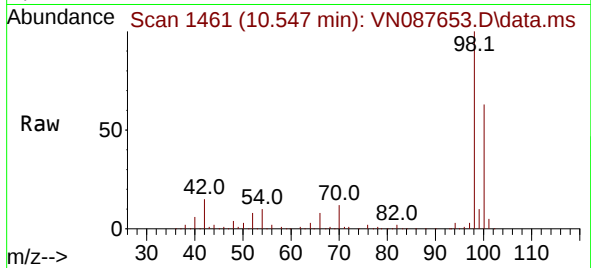




#50
Toluene-d8
Concen: 47.681 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

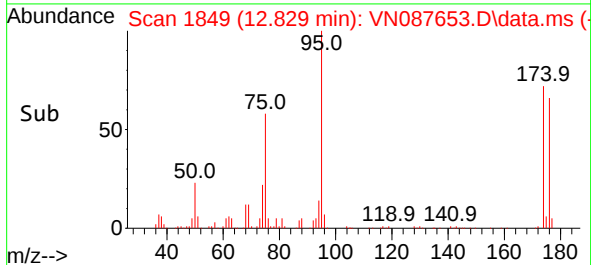
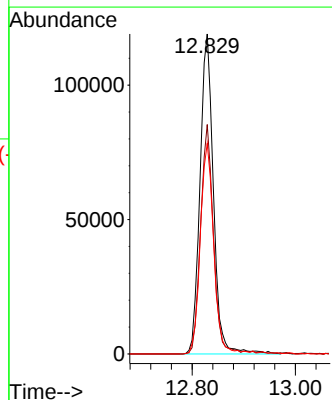
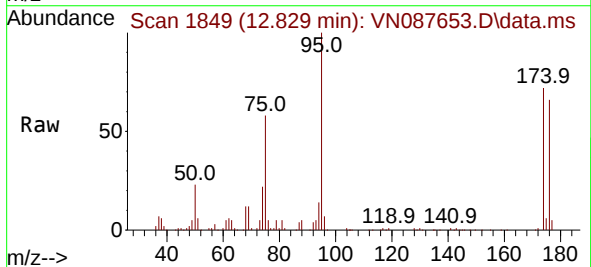
Instrument :
MSVOA_N
ClientSampleId :

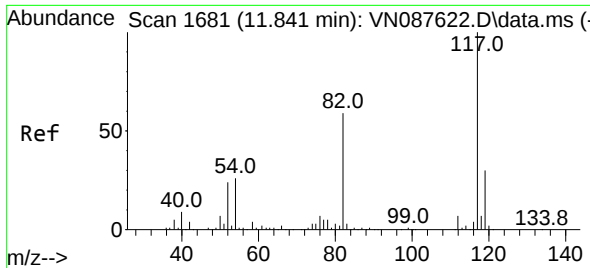
Tgt Ion: 98 Resp: 578547
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 49.736 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Tgt Ion: 95 Resp: 214615
Ion Ratio Lower Upper
95 100
174 69.5 0.0 138.4
176 65.9 0.0 132.6

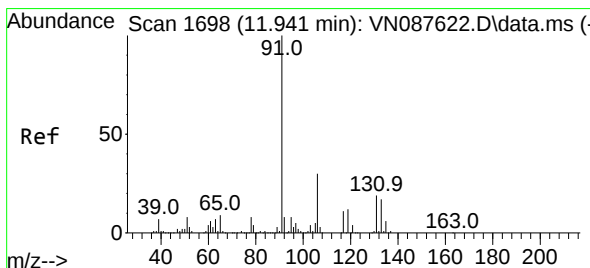
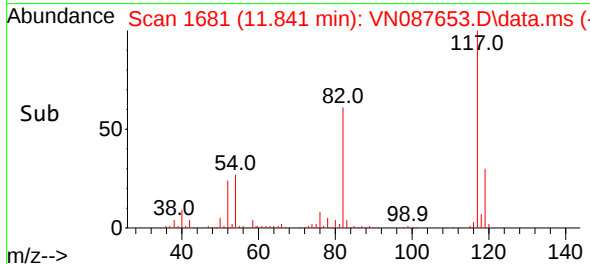
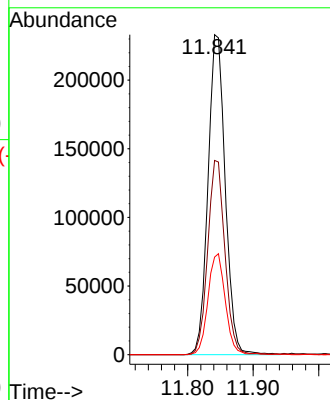
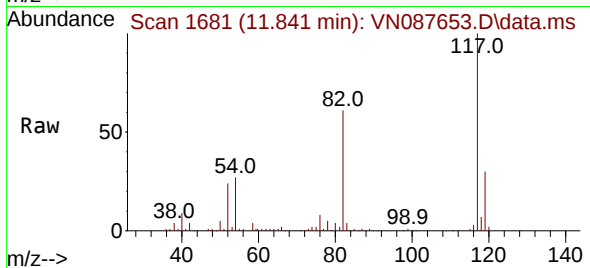




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

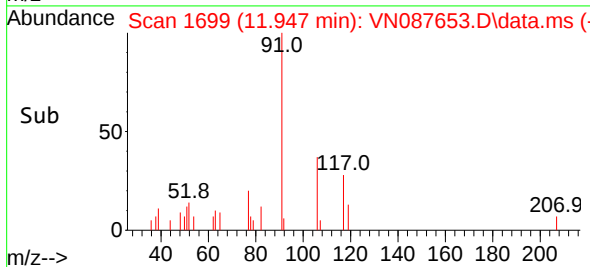
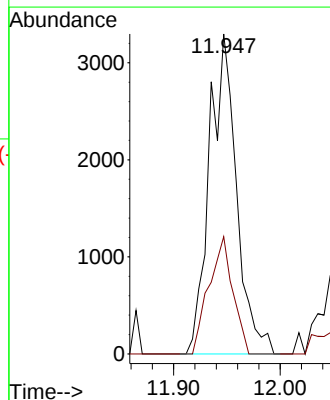
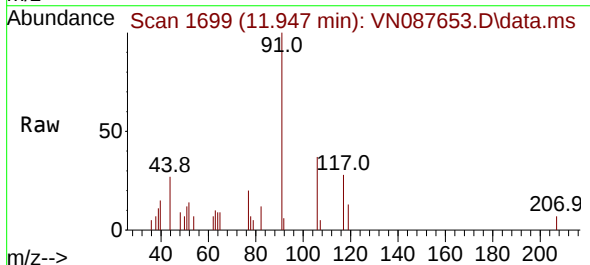
Instrument :
MSVOA_N
ClientSampleId :

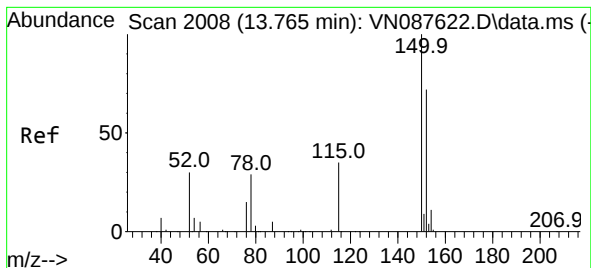
Tgt Ion:117 Resp: 426482
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 30.5 24.3 36.5



#67
Ethyl Benzene
Concen: 0.317 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

Tgt Ion: 91 Resp: 5819
Ion Ratio Lower Upper
91 100
106 36.7 24.1 36.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN087653.D

Acq: 25 Aug 2025 13:37

Instrument :

MSVOA_N

ClientSampleId :

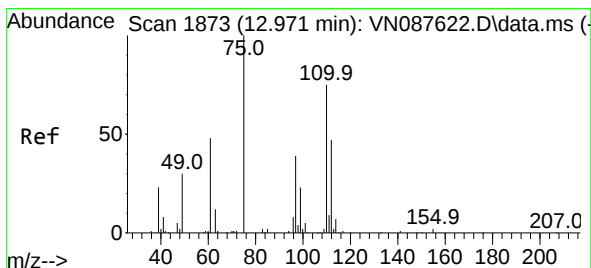
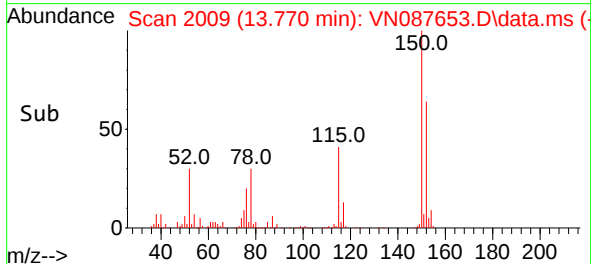
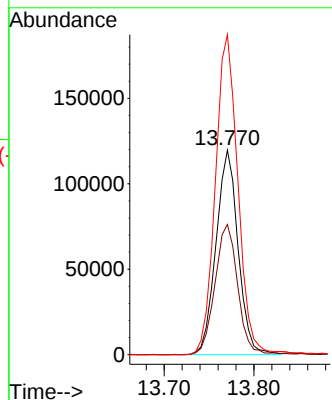
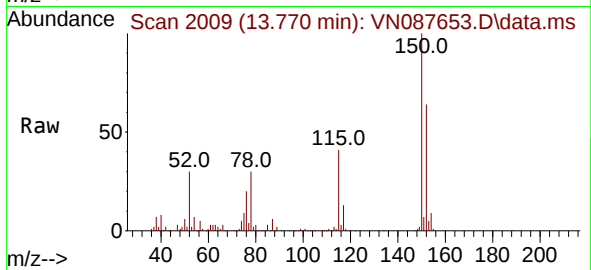
Tgt Ion:152 Resp: 204728

Ion Ratio Lower Upper

152 100

115 65.7 32.3 96.8

150 160.5 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 25.858 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087653.D

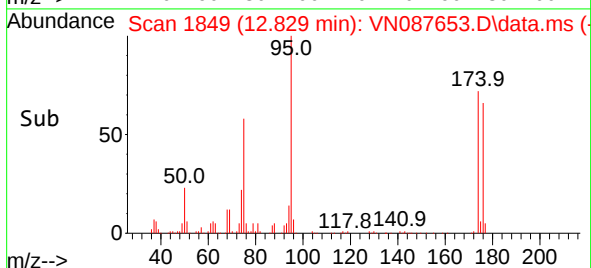
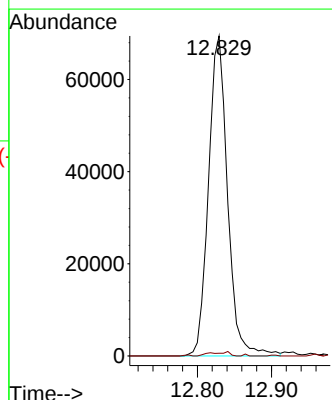
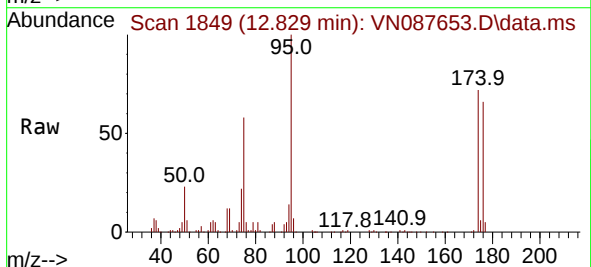
Acq: 25 Aug 2025 13:37

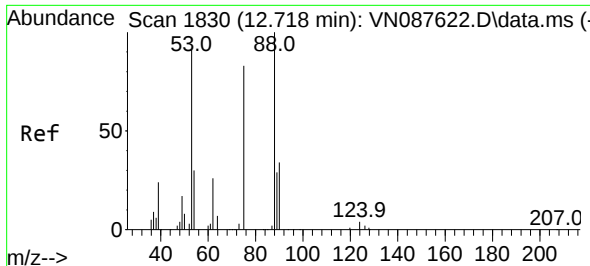
Tgt Ion: 75 Resp: 124144

Ion Ratio Lower Upper

75 100

77 0.6 89.1 267.4#

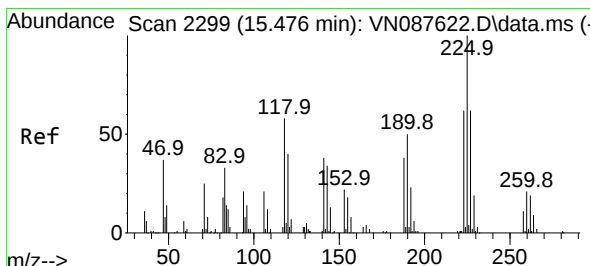
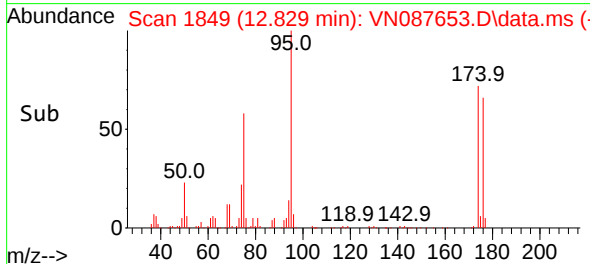
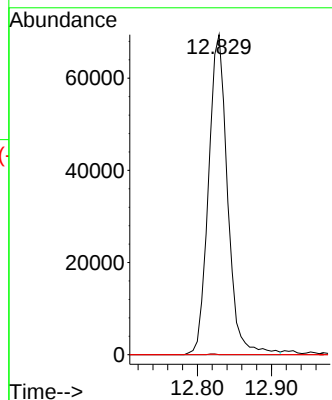
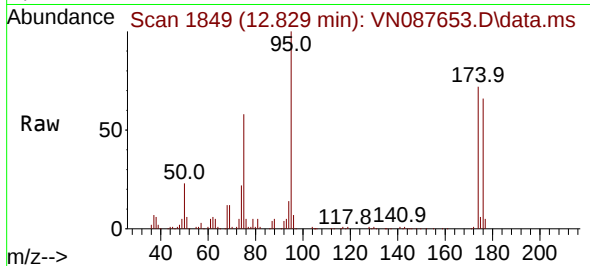




#81
trans-1,4-Dichloro-2-butene
Concen: 68.456 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

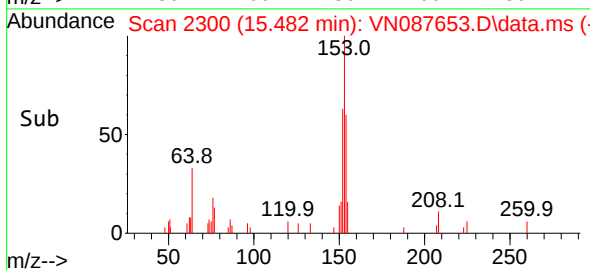
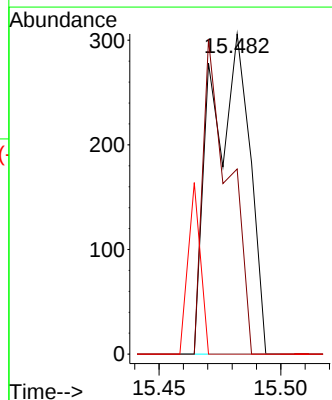
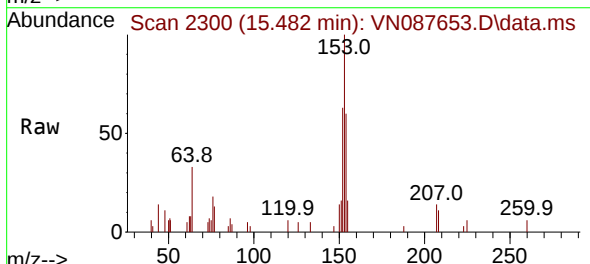
Instrument :
MSVOA_N
ClientSampleId :

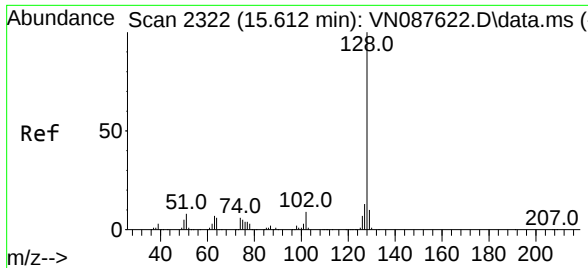
Tgt Ion: 75 Resp: 124144
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#



#94
Hexachlorobutadiene
Concen: 0.214 ug/l
RT: 15.482 min Scan# 2300
Delta R.T. 0.006 min
Lab File: VN087653.D
Acq: 25 Aug 2025 13:37

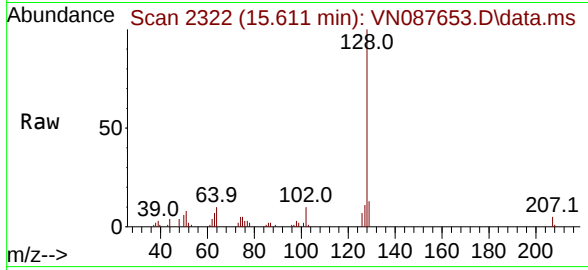
Tgt Ion: 225 Resp: 334
Ion Ratio Lower Upper
225 100
223 67.7 32.0 96.2
227 17.4 32.1 96.5#





#95
 Naphthalene
 Concen: 3.589 ug/l
 RT: 15.611 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN087653.D
 Acq: 25 Aug 2025 13:37

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	55627
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.6	15.8
129	11.8	8.6	12.8

