

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087649.D
 Acq On : 25 Aug 2025 10:33
 Operator : JC\MD
 Sample : VN0825WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 26 01:31:48 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	8.212	168	190267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	429125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	403882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	182604	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	203967	52.321	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.640%
35) Dibromofluoromethane	8.147	113	154869	49.986	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.980%
50) Toluene-d8	10.547	98	558872	48.194	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.380%
62) 4-Bromofluorobenzene	12.829	95	191876	46.527	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.060%

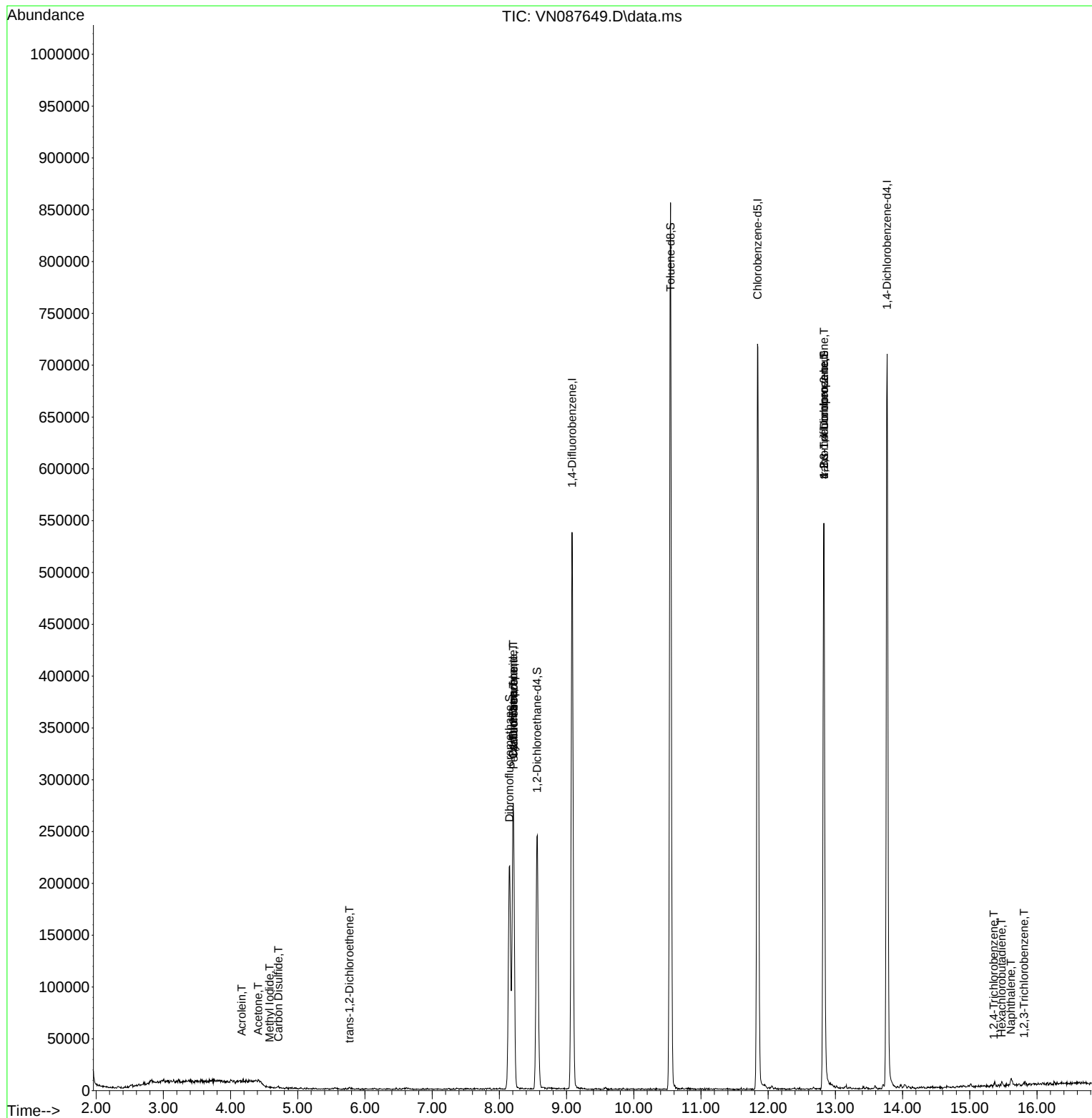
Target Compounds					Qvalue	
10) Methyl Iodide	4.583	142	80	6.845	ug/l #	38
13) Acrolein	4.165	56	425	0.511	ug/l #	57
16) Acetone	4.412	43	1498	0.706	ug/l #	47
17) Carbon Disulfide	4.712	76	2675	0.354	ug/l #	80
20) Methylene Chloride	5.271	84	142	Below Cal	#	5
21) trans-1,2-Dichloroethene	5.771	96	599	0.201	ug/l #	64
31) Cyclohexane	8.206	56	5716	1.166	ug/l #	21
36) 1,1-Dichloropropene	8.206	75	18847	3.965	ug/l #	43
38) Carbon Tetrachloride	8.206	117	21619	4.607	ug/l #	15
76) 1,2,3-Trichloropropane	12.829	75	111625	26.067	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	111625	69.011	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.358	180	1090	0.279	ug/l	92
94) Hexachlorobutadiene	15.476	225	792	0.569	ug/l #	28
95) Naphthalene	15.611	128	5905	0.427	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.806	180	939	0.246	ug/l #	72

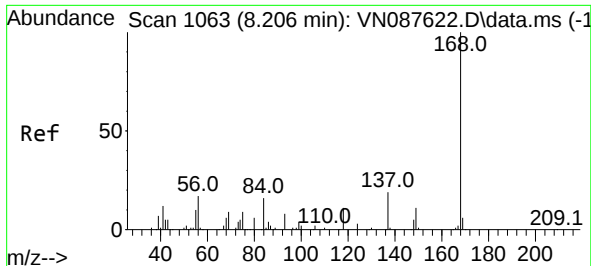
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

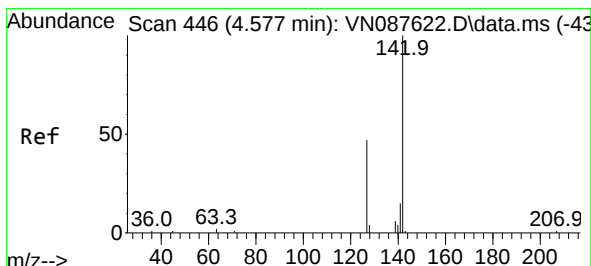
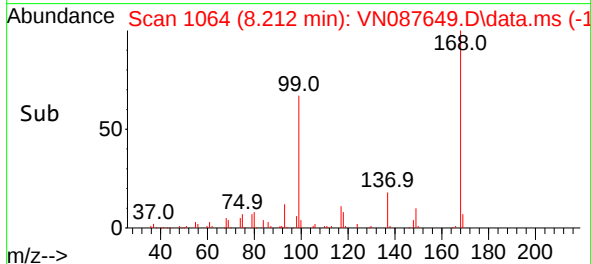
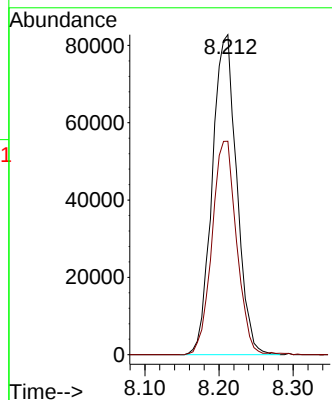
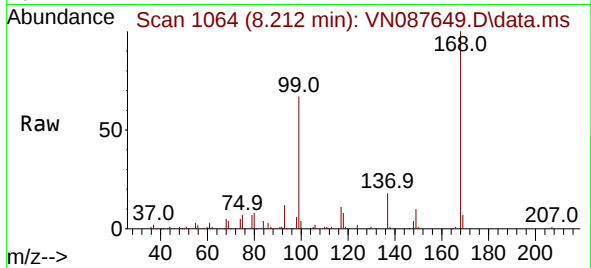




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

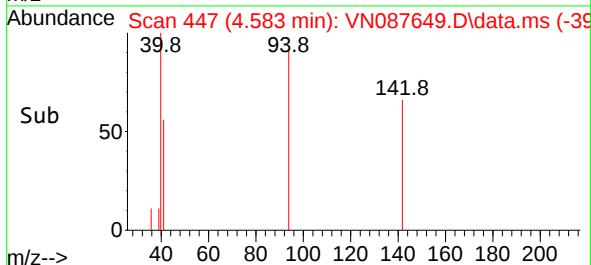
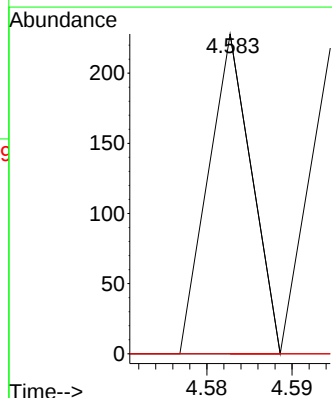
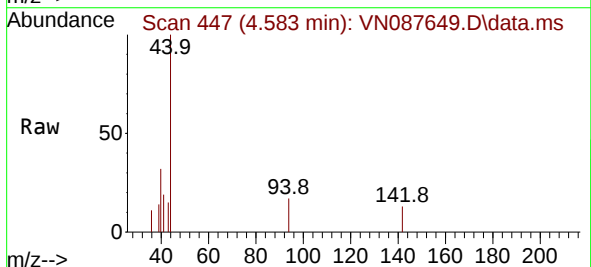
Instrument :
MSVOA_N
ClientSampleId :

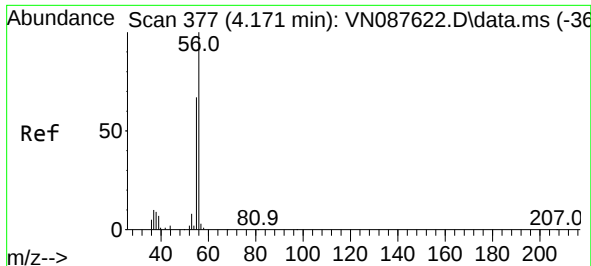
Tgt Ion:168 Resp: 190267
Ion Ratio Lower Upper
168 100
99 66.7 57.2 85.8



#10
Methyl Iodide
Concen: 6.845 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.006 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

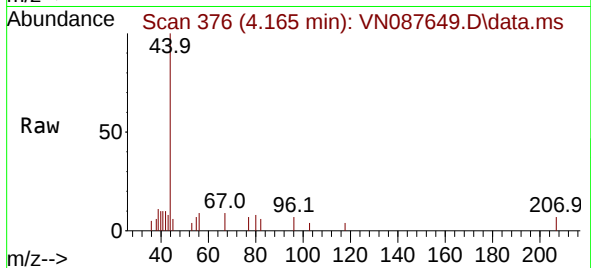
Tgt Ion:142 Resp: 80
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



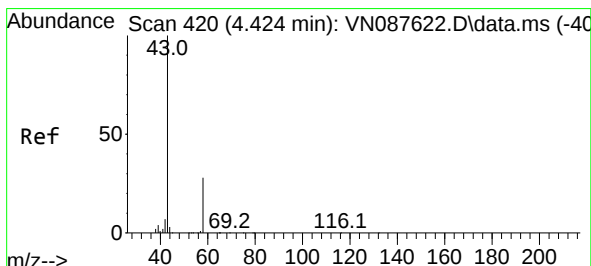
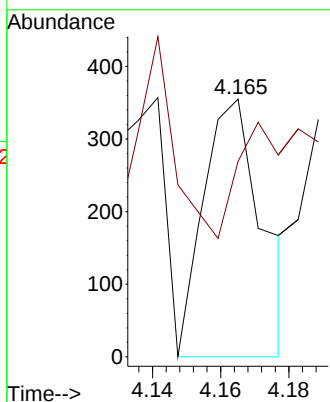
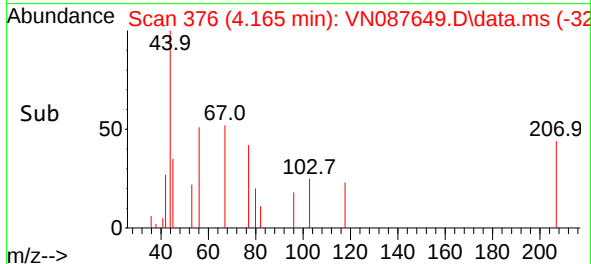


#13
Acrolein
Concen: 0.511 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :

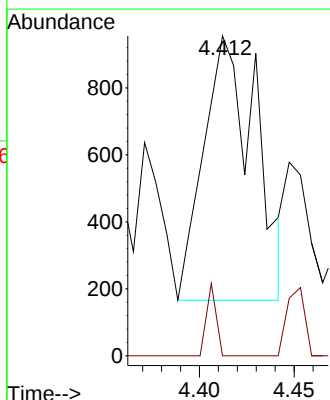
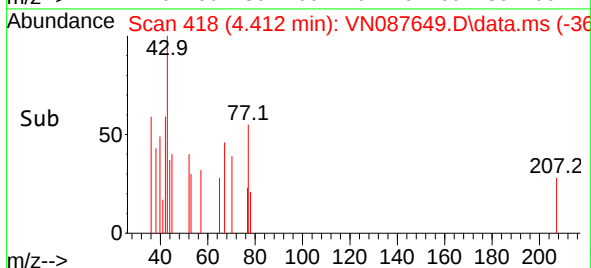
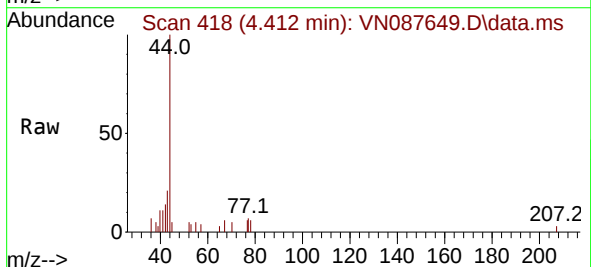


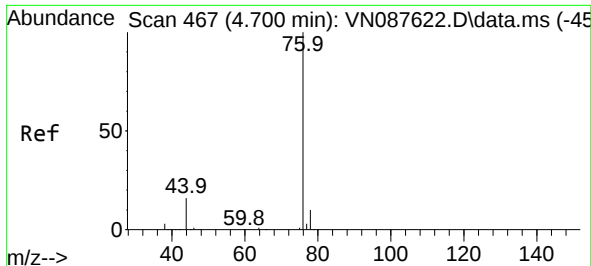
Tgt Ion: 56 Resp: 425
Ion Ratio Lower Upper
56 100
55 35.8 57.3 85.9#



#16
Acetone
Concen: 0.706 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.012 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

Tgt Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#

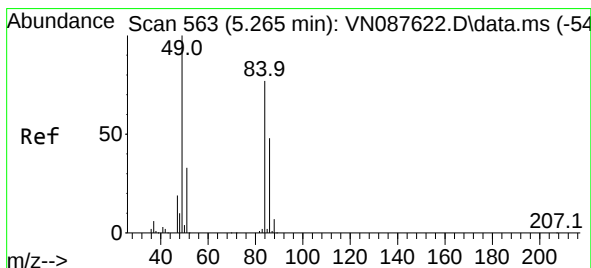
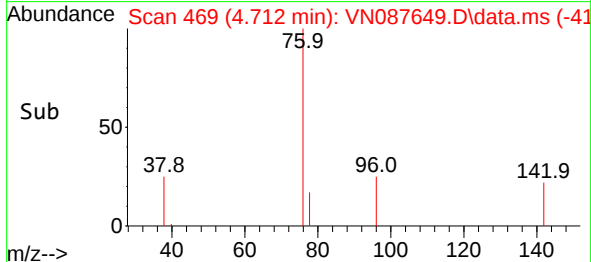
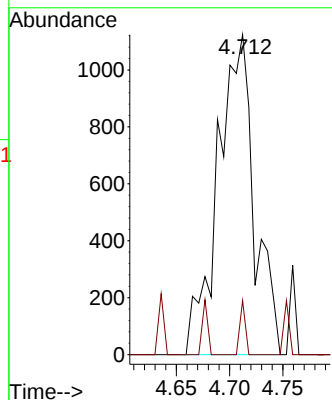
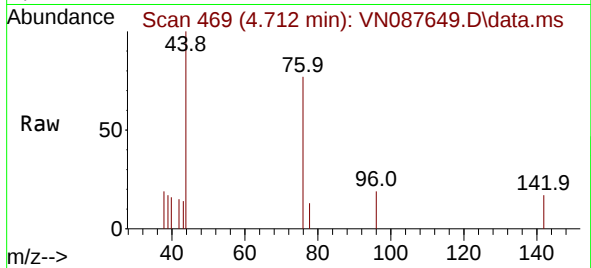




#17
Carbon Disulfide
Concen: 0.354 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

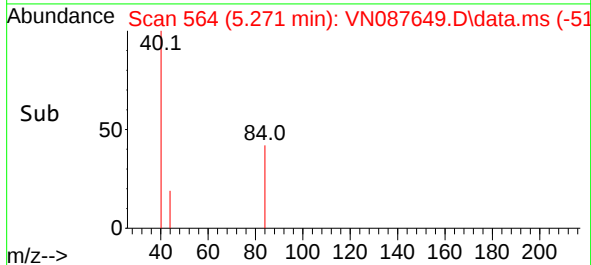
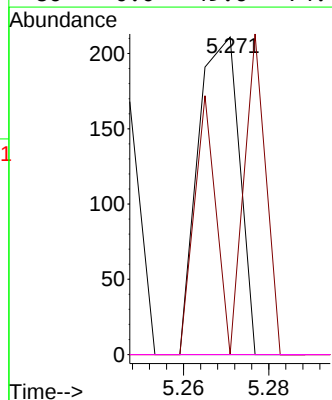
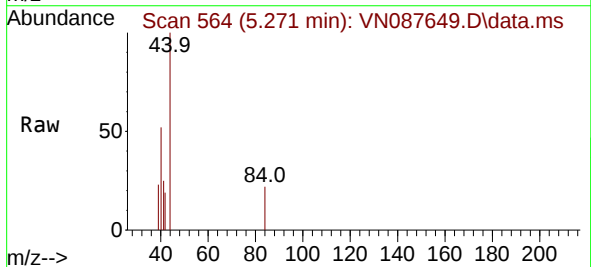
Instrument :
MSVOA_N
ClientSampleId :

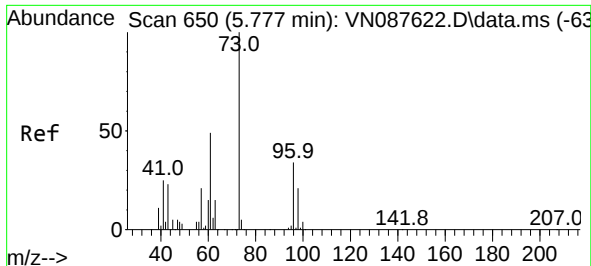
Tgt Ion: 76 Resp: 2675
Ion Ratio Lower Upper
76 100
78 16.9 7.6 11.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

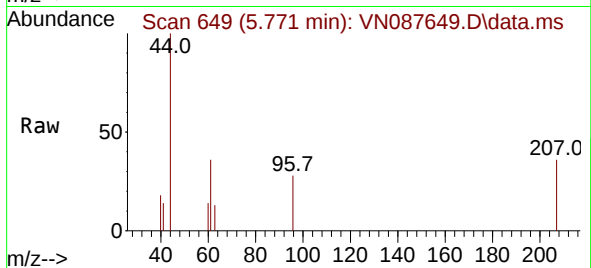
Tgt Ion: 84 Resp: 142
Ion Ratio Lower Upper
84 100
49 0.0 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#



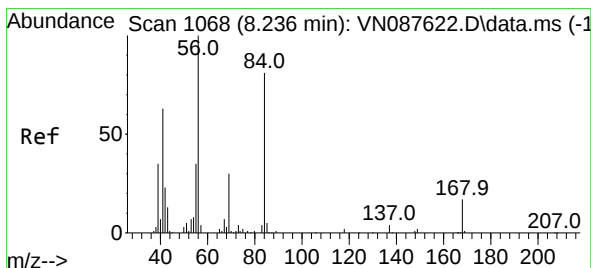
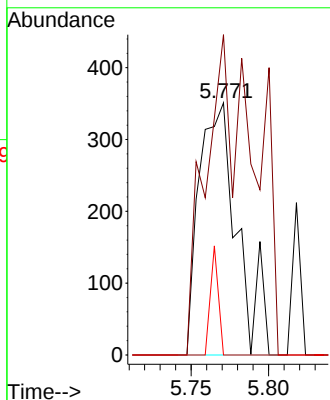
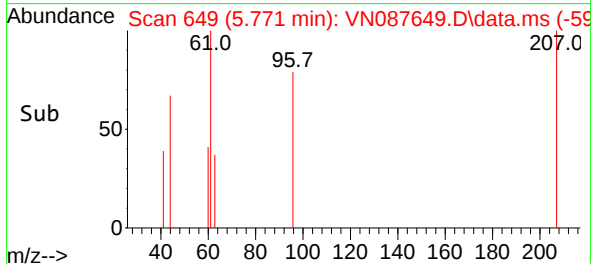


#21
trans-1,2-Dichloroethene
Concen: 0.201 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

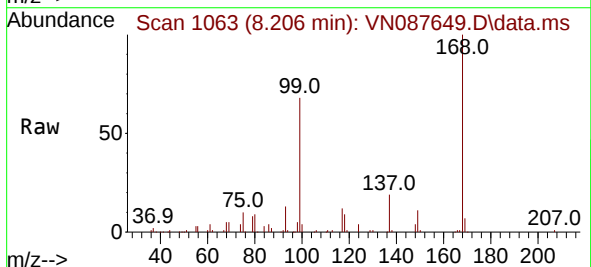
Instrument :
MSVOA_N
ClientSampleId :



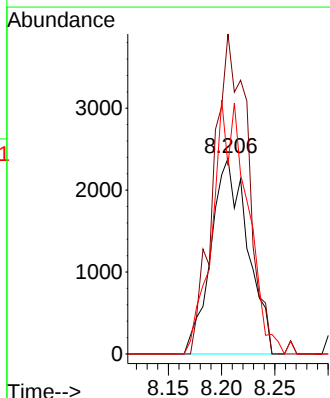
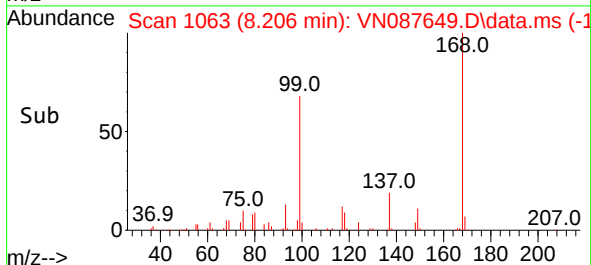
Tgt Ion: 96 Resp: 599
Ion Ratio Lower Upper
96 100
61 127.1 118.0 177.0
98 0.0 50.0 75.0#

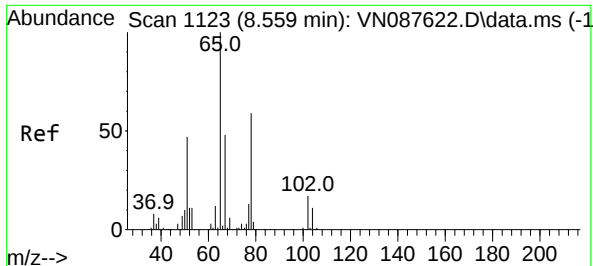


#31
Cyclohexane
Concen: 1.166 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33



Tgt Ion: 56 Resp: 5716
Ion Ratio Lower Upper
56 100
69 163.6 23.7 35.5#
84 96.4 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 52.321 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087649.D

Acq: 25 Aug 2025 10:33

Instrument :

MSVOA_N

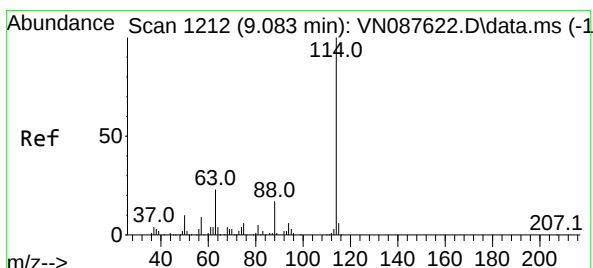
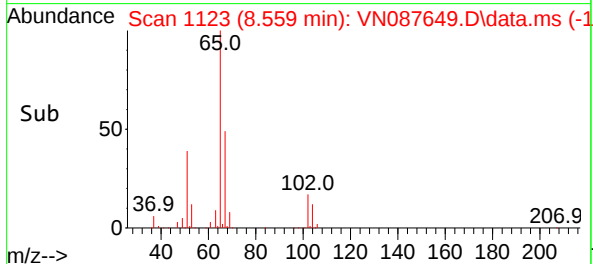
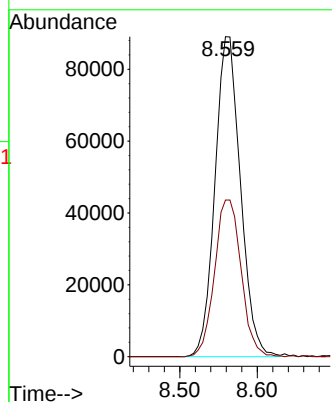
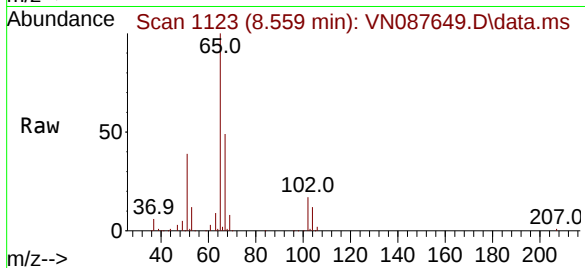
ClientSampleId :

Tgt Ion: 65 Resp: 203967

Ion Ratio Lower Upper

65 100

67 51.0 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: VN087649.D

Acq: 25 Aug 2025 10:33

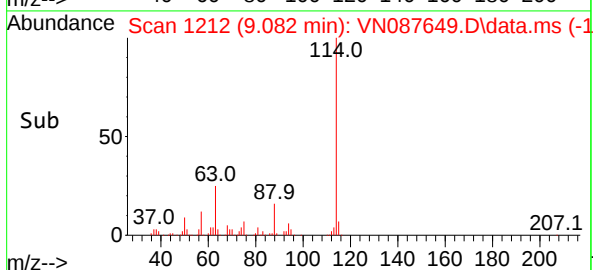
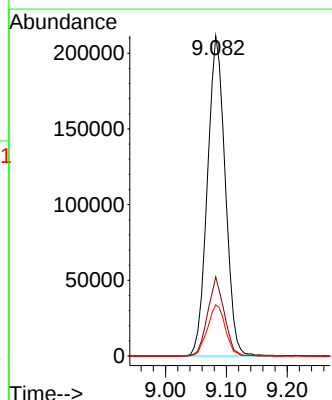
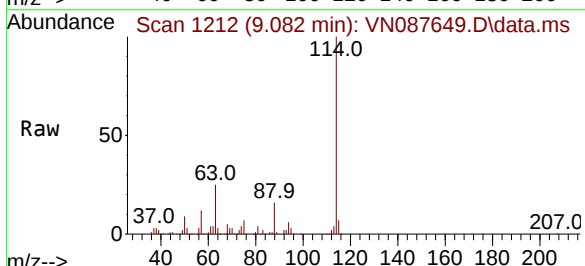
Tgt Ion: 114 Resp: 429125

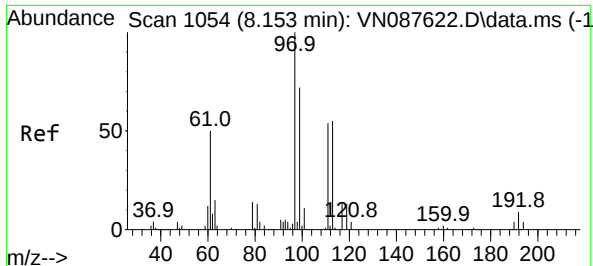
Ion Ratio Lower Upper

114 100

63 24.7 0.0 45.2

88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.986 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087649.D

Acq: 25 Aug 2025 10:33

Instrument :

MSVOA_N

ClientSampleId :

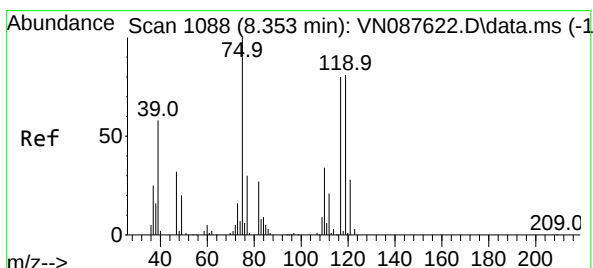
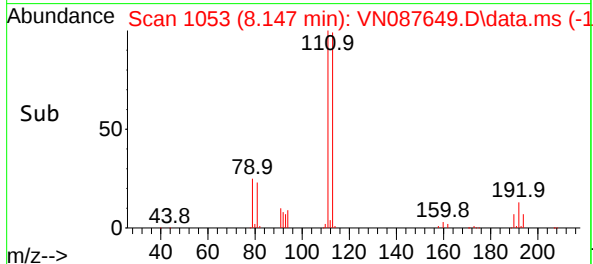
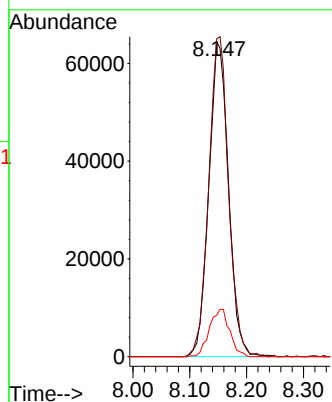
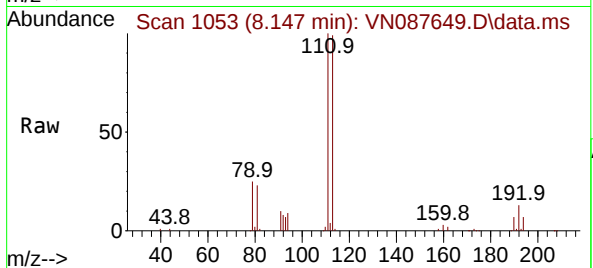
Tgt Ion:113 Resp: 154869

Ion Ratio Lower Upper

113 100

111 102.1 82.8 124.2

192 15.5 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.965 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087649.D

Acq: 25 Aug 2025 10:33

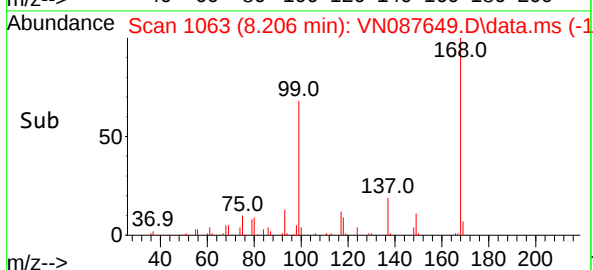
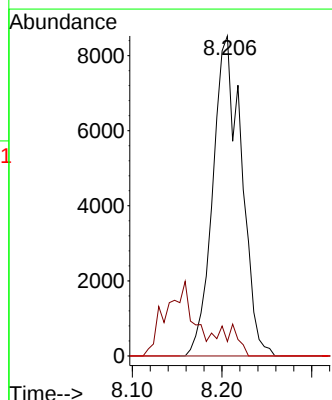
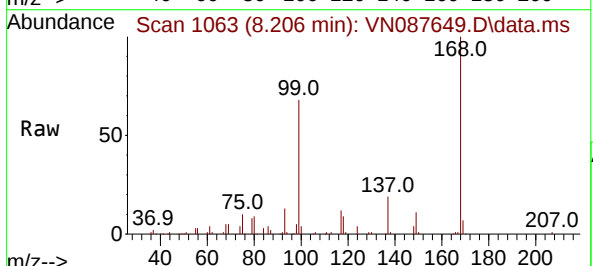
Tgt Ion: 75 Resp: 18847

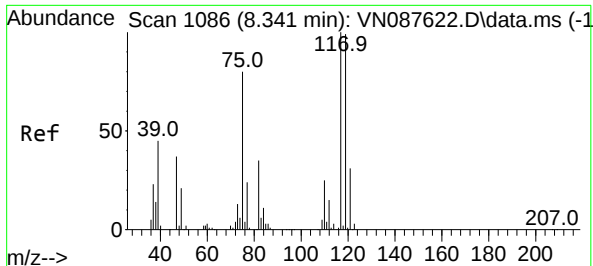
Ion Ratio Lower Upper

75 100

110 0.0 15.9 47.6#

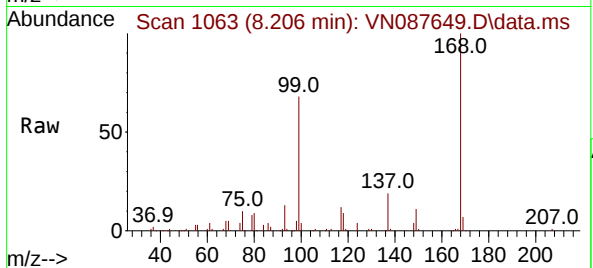
77 0.0 24.4 36.6#



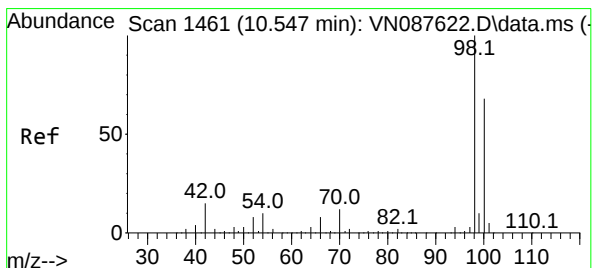
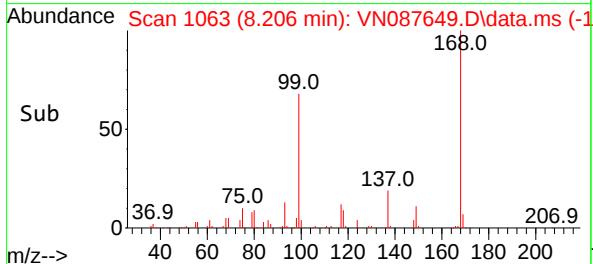
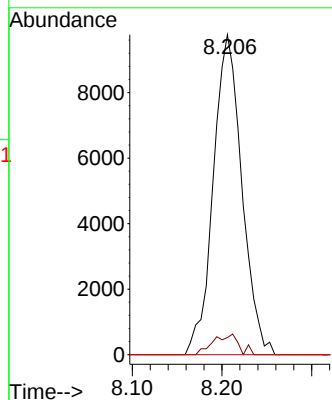


#38
Carbon Tetrachloride
Concen: 4.607 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

Instrument :
MSVOA_N
ClientSampleId :

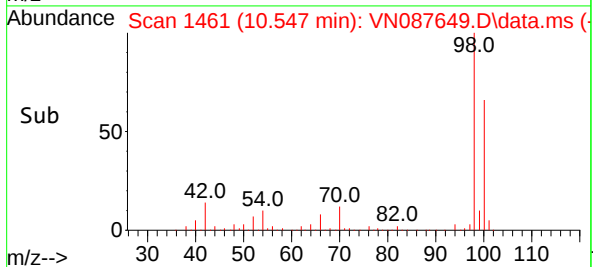
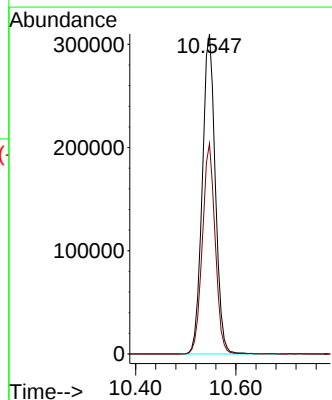
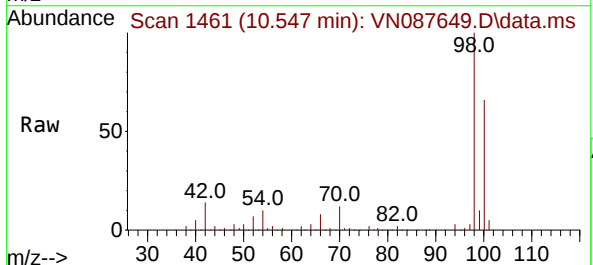


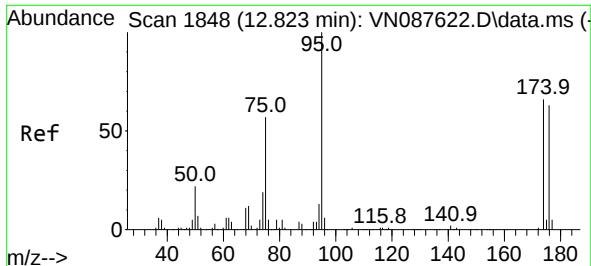
Tgt Ion:117 Resp: 21619
Ion Ratio Lower Upper
117 100
119 5.4 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 48.194 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

Tgt Ion: 98 Resp: 558872
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2

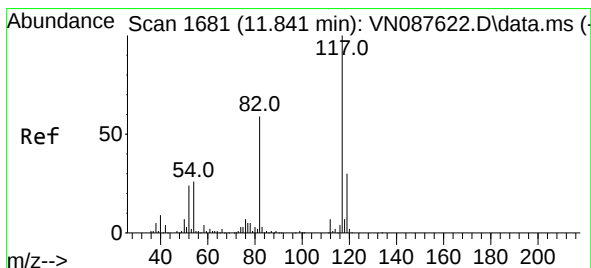
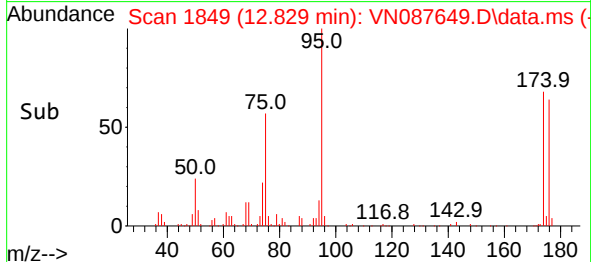
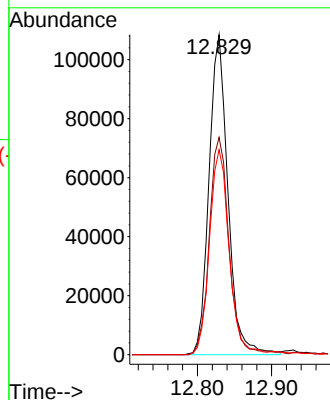
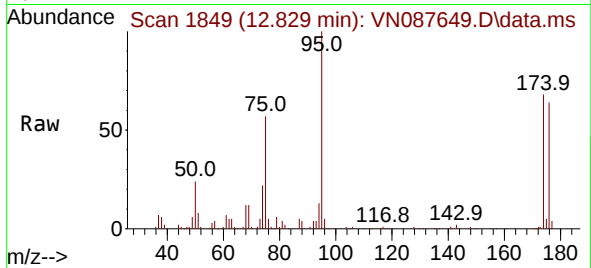




#62
4-Bromofluorobenzene
Concen: 46.527 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

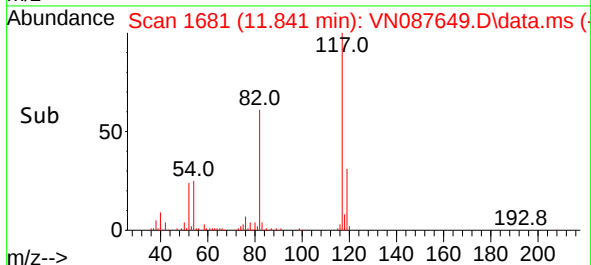
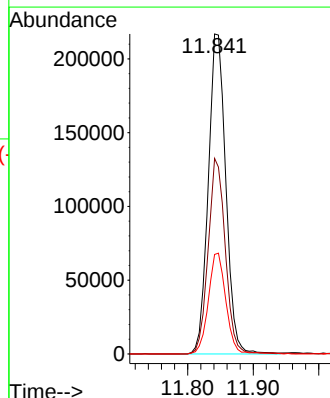
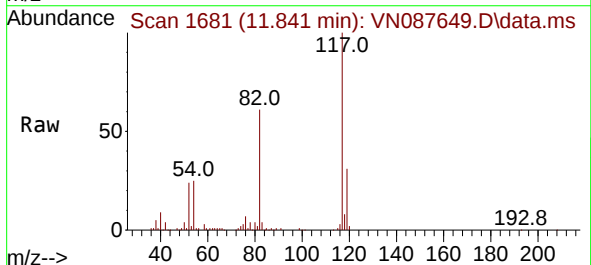
Instrument :
MSVOA_N
ClientSampleId :

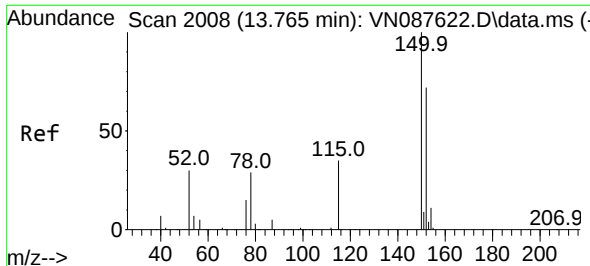
Tgt Ion: 95 Resp: 191876
Ion Ratio Lower Upper
95 100
174 71.2 0.0 138.4
176 66.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

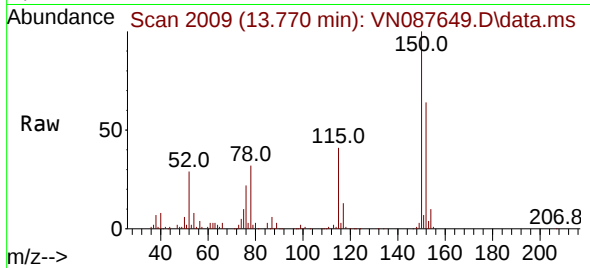
Tgt Ion: 117 Resp: 403882
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.1 24.3 36.5



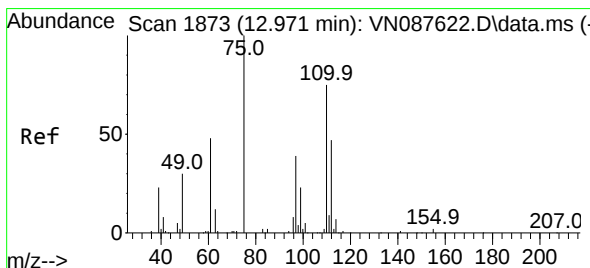
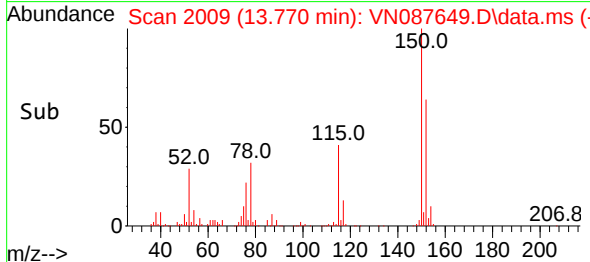
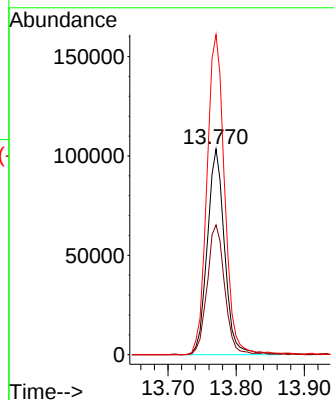


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087649.D
 Acq: 25 Aug 2025 10:33

Instrument :
 MSVOA_N
 ClientSampleId :

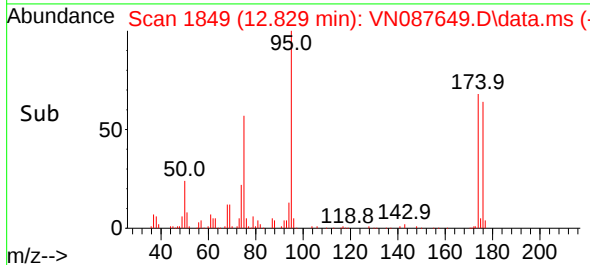
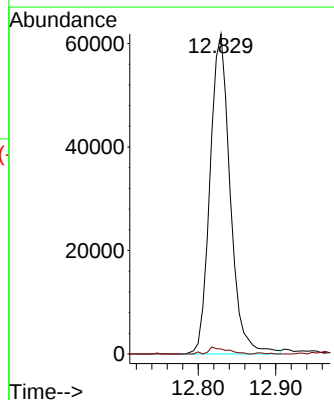
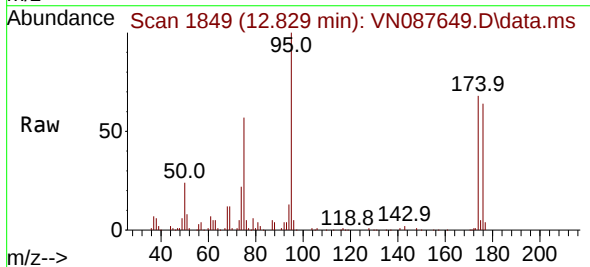


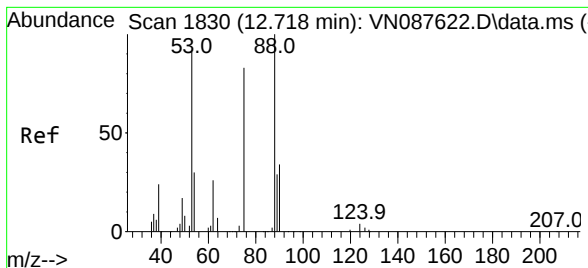
Tgt Ion:152 Resp: 182604
 Ion Ratio Lower Upper
 152 100
 115 64.0 32.3 96.8
 150 159.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 26.067 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087649.D
 Acq: 25 Aug 2025 10:33

Tgt Ion: 75 Resp: 111625
 Ion Ratio Lower Upper
 75 100
 77 2.0 89.1 267.4#

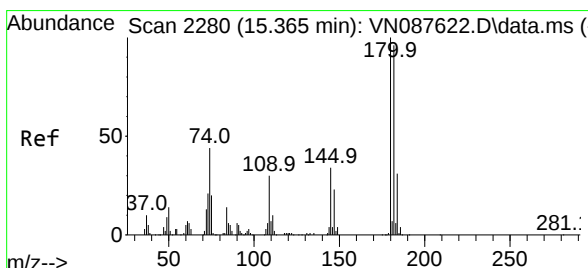
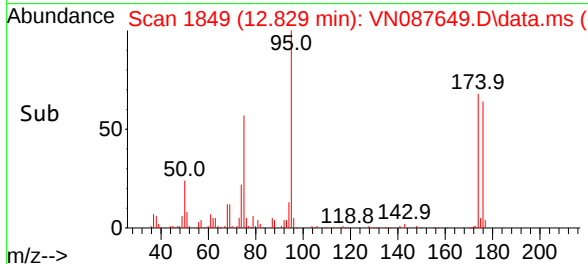
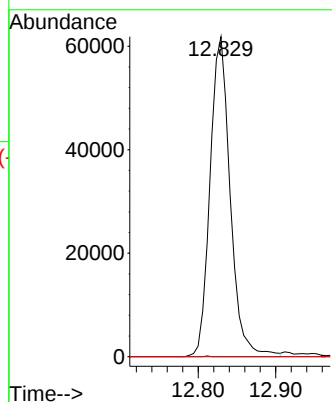
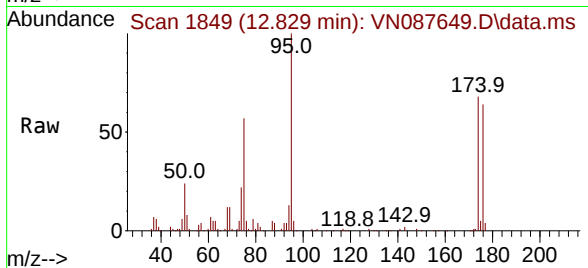




#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.011 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087649.D
 Acq: 25 Aug 2025 10:33

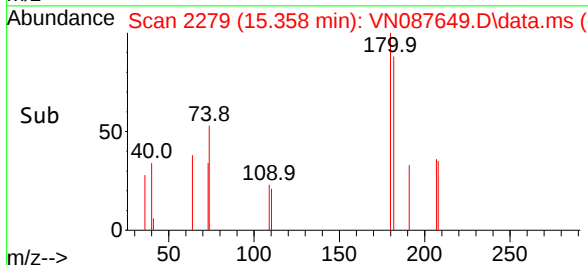
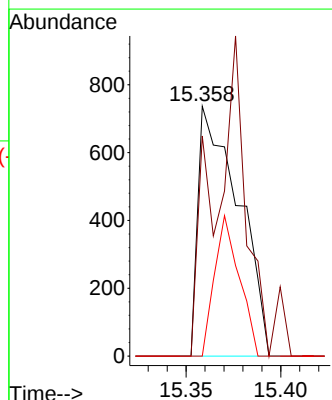
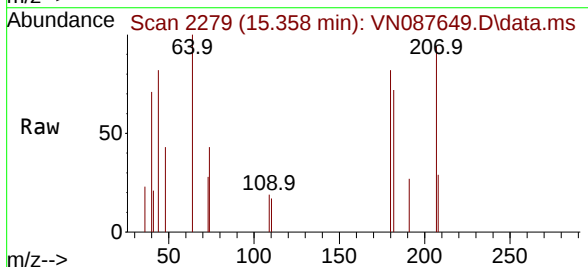
Instrument :
 MSVOA_N
 ClientSampleId :

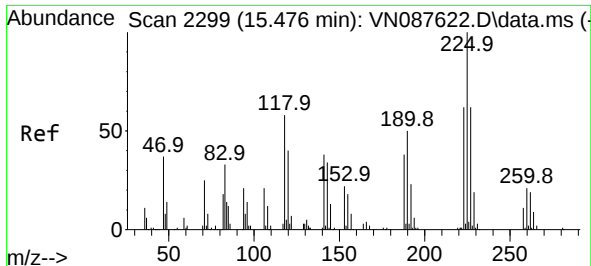
Tgt Ion: 75 Resp: 111625
 Ion Ratio Lower Upper
 75 100
 53 0.1 101.8 152.6#
 89 0.0 35.6 53.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.279 ug/l
 RT: 15.358 min Scan# 2279
 Delta R.T. -0.006 min
 Lab File: VN087649.D
 Acq: 25 Aug 2025 10:33

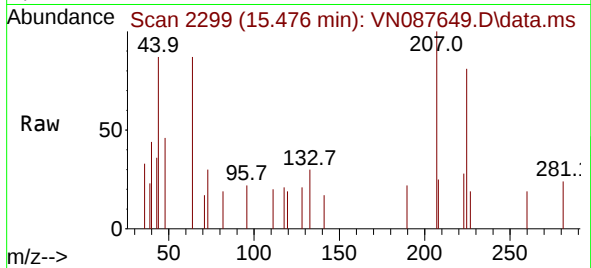
Tgt Ion:180 Resp: 1090
 Ion Ratio Lower Upper
 180 100
 182 105.0 47.6 142.9
 145 34.5 16.5 49.5



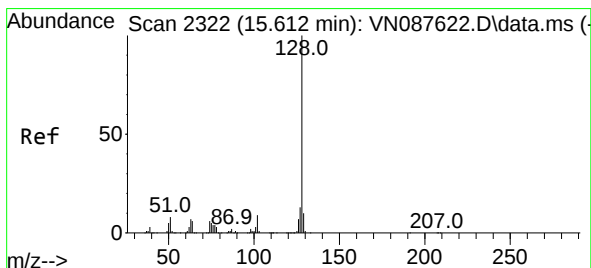
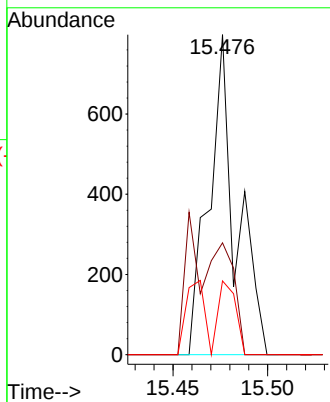
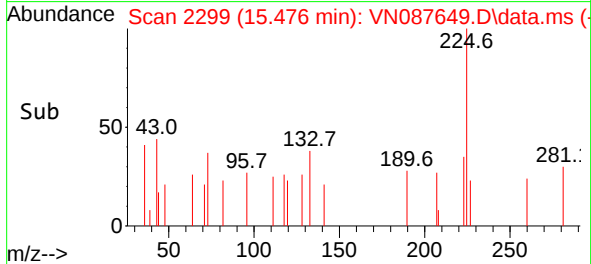


#94
Hexachlorobutadiene
Concen: 0.569 ug/l
RT: 15.476 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33

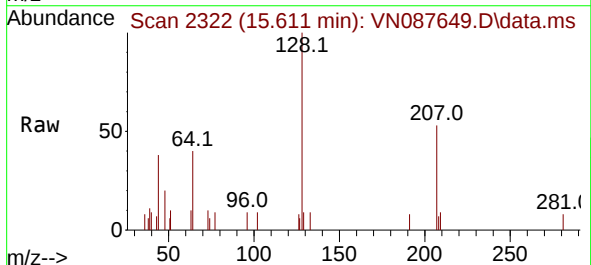
Instrument :
MSVOA_N
ClientSampleId :



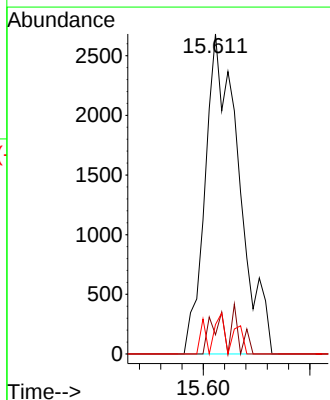
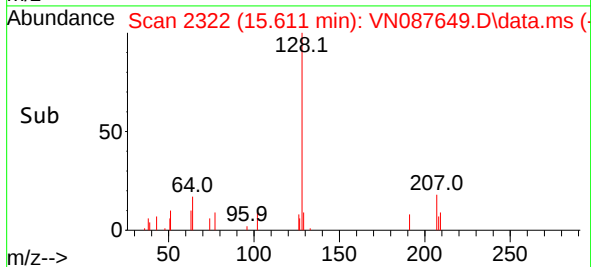
Tgt Ion:225 Resp: 792
Ion Ratio Lower Upper
225 100
223 0.0 32.0 96.2#
227 15.0 32.1 96.5#

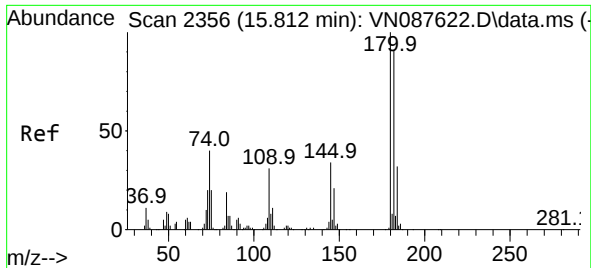


#95
Naphthalene
Concen: 0.427 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN087649.D
Acq: 25 Aug 2025 10:33



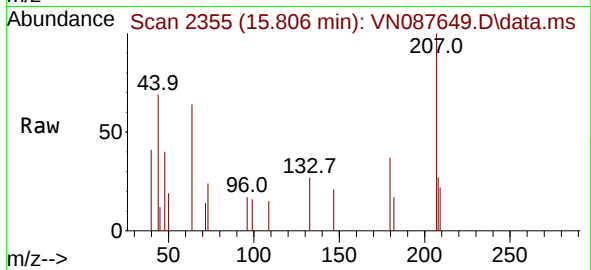
Tgt Ion:128 Resp: 5905
Ion Ratio Lower Upper
128 100
127 4.9 10.6 15.8#
129 5.3 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.246 ug/l
 RT: 15.806 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN087649.D
 Acq: 25 Aug 2025 10:33

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	77.7	46.8	140.3
145	0.0	17.3	52.0

