

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087849.D
 Acq On : 16 Sep 2025 15:04
 Operator : JC\MD
 Sample : VN0916WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 01:20:42 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)

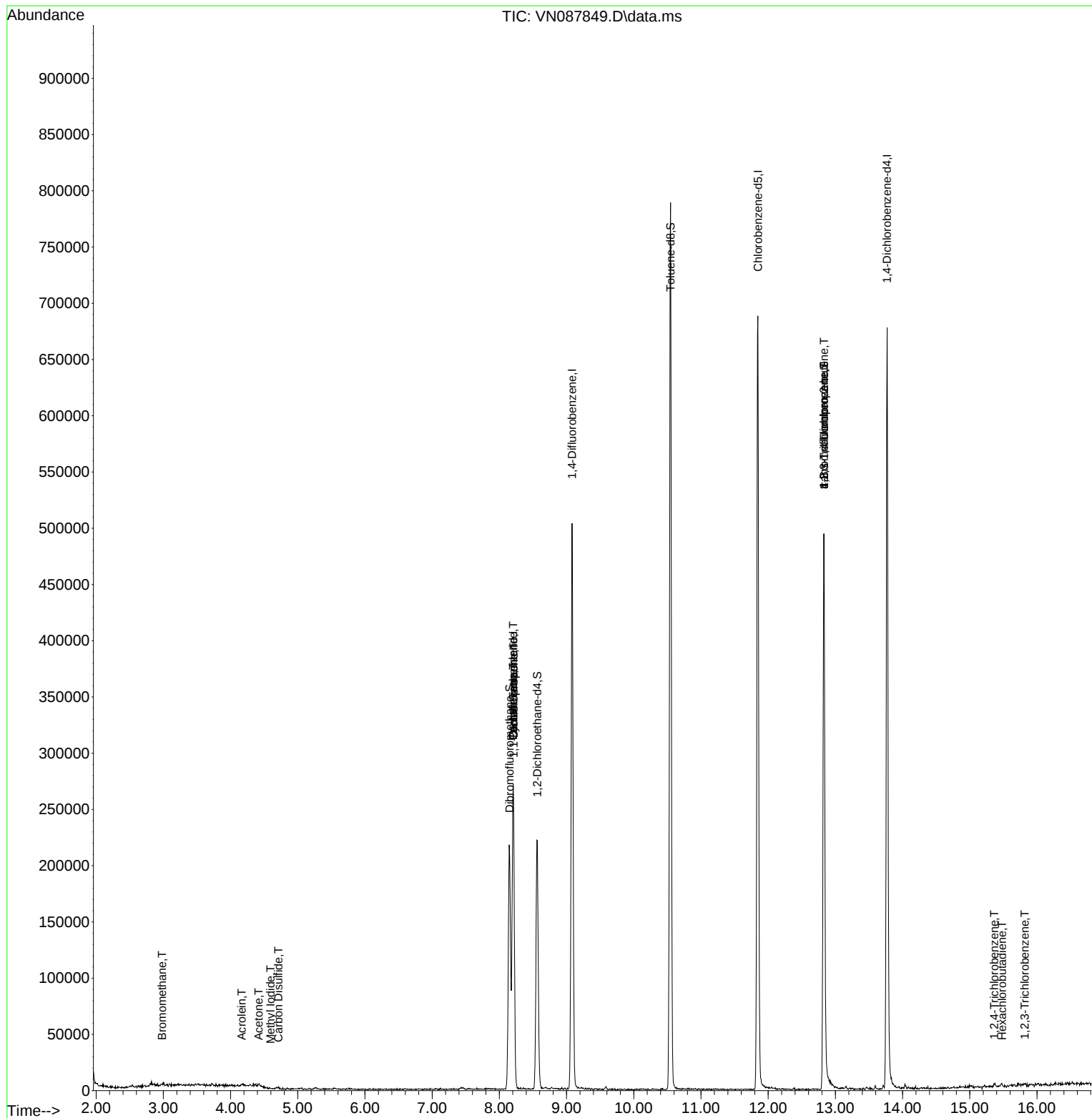
Internal Standards						
1) Pentafluorobenzene	8.206	168	184438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	413572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	397360	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	180365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	185379	49.056	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.120%
35) Dibromofluoromethane	8.153	113	151424	50.712	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.420%
50) Toluene-d8	10.547	98	526852	47.141	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.280%
62) 4-Bromofluorobenzene	12.829	95	181702	45.717	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	997	0.619	ug/l #	43
10) Methyl Iodide	4.594	142	291	6.940	ug/l #	38
13) Acrolein	4.165	56	361	0.448	ug/l	98
16) Acetone	4.418	43	618	0.300	ug/l #	40
17) Carbon Disulfide	4.712	76	2584	0.353	ug/l #	74
20) Methylene Chloride	5.259	84	376	Below Cal	#	62
31) Cyclohexane	8.206	56	5276	1.110	ug/l #	8
36) 1,1-Dichloropropene	8.212	75	18483	4.035	ug/l #	43
38) Carbon Tetrachloride	8.206	117	20873	4.615	ug/l #	16
76) 1,2,3-Trichloropropane	12.829	75	100991	23.877	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	100991	63.211	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.364	180	973	0.252	ug/l	78
94) Hexachlorobutadiene	15.482	225	378	0.275	ug/l	84
96) 1,2,3-Trichlorobenzene	15.817	180	1121	0.297	ug/l #	57

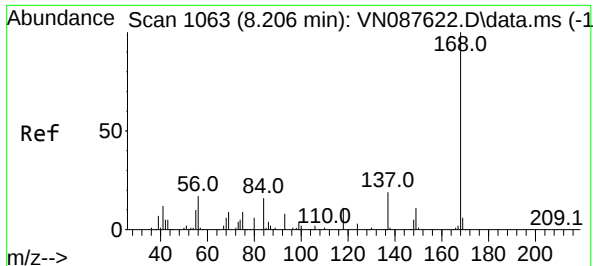
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
Data File : VN087849.D
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Sample : VN0916WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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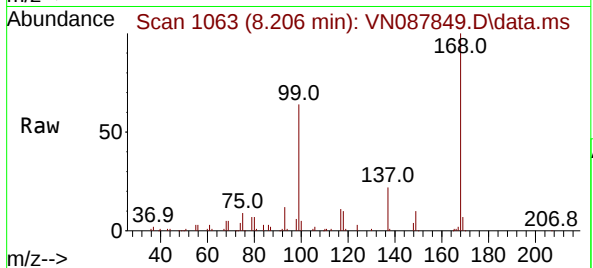
Quant Time: Sep 17 01:20:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



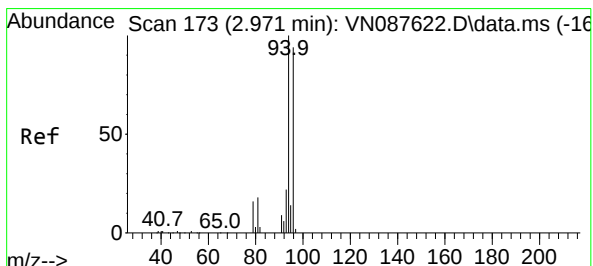
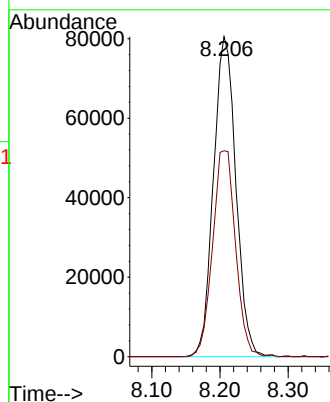
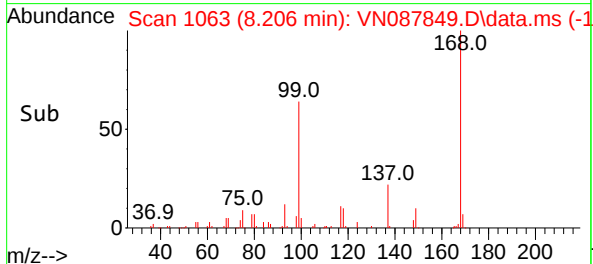


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :

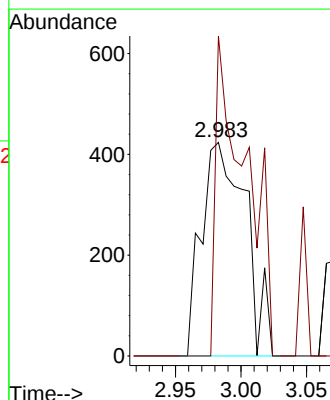
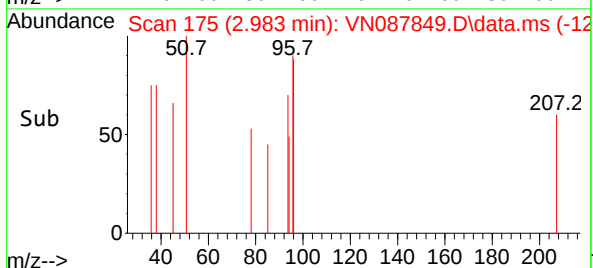
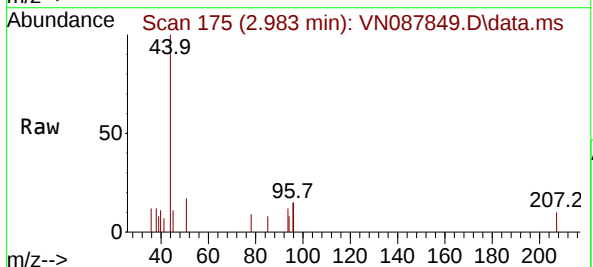


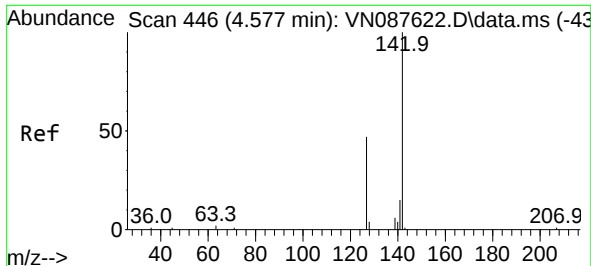
Tgt Ion:168 Resp: 184438
Ion Ratio Lower Upper
168 100
99 64.4 57.2 85.8



#5
Bromomethane
Concen: 0.619 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.012 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

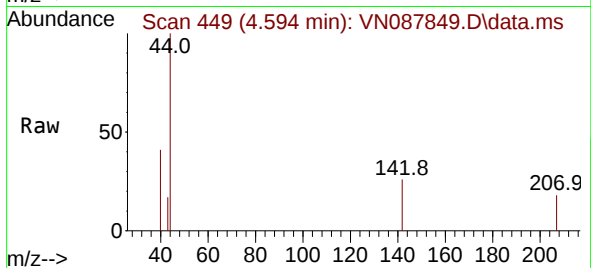
Tgt Ion: 94 Resp: 997
Ion Ratio Lower Upper
94 100
96 149.8 75.4 113.2#



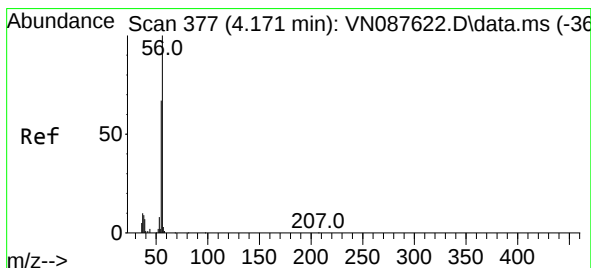
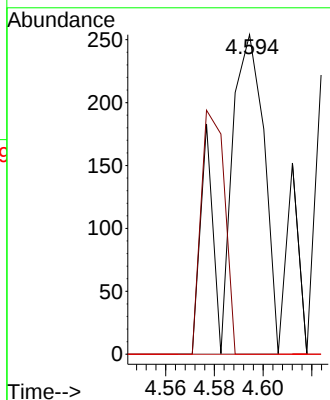
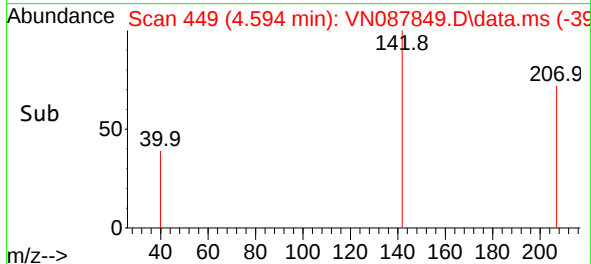


#10
Methyl Iodide
Concen: 6.940 ug/l
RT: 4.594 min Scan# 446
Delta R.T. 0.017 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :

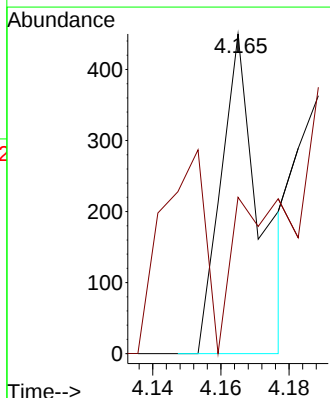
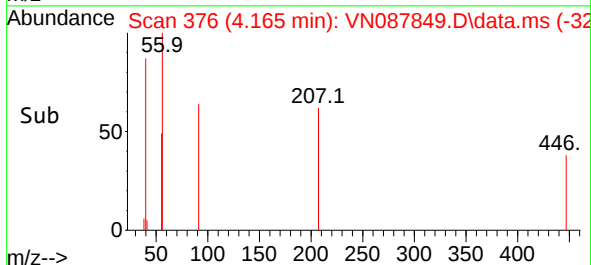
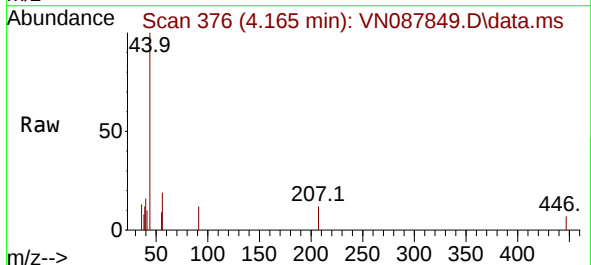


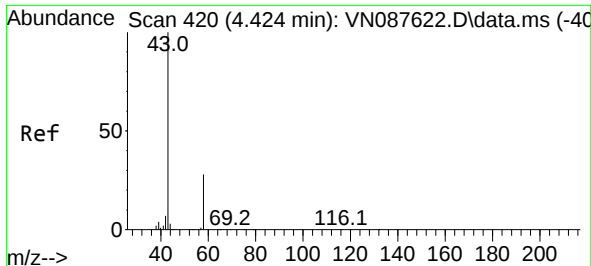
Tgt Ion:142 Resp: 291
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.448 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Tgt Ion: 56 Resp: 361
Ion Ratio Lower Upper
56 100
55 69.8 57.3 85.9

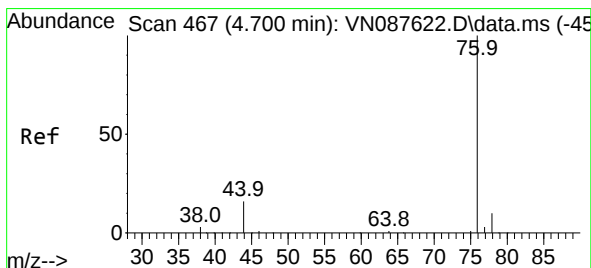
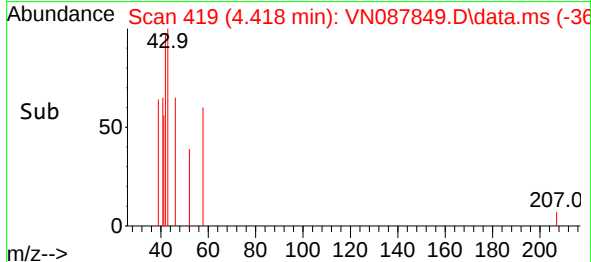
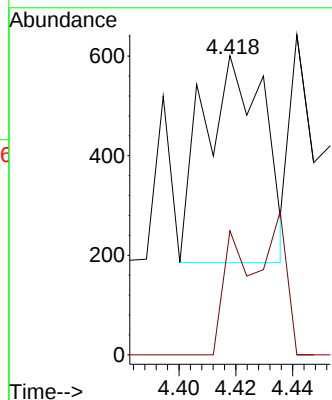
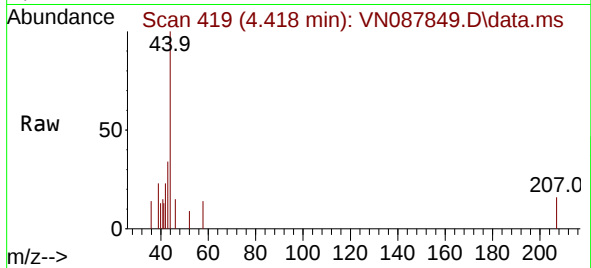




#16
Acetone
Concen: 0.300 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

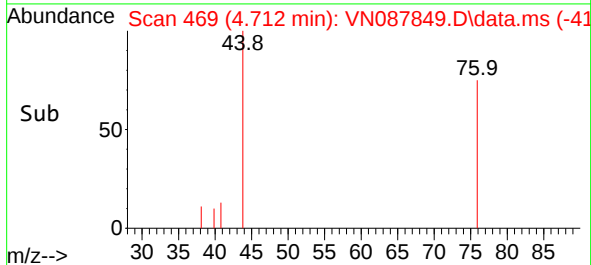
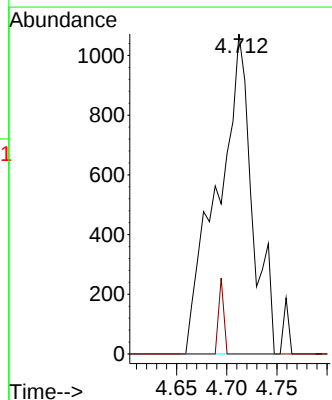
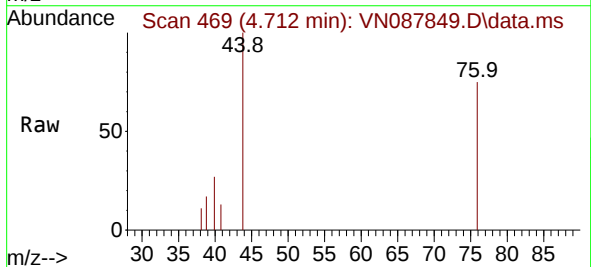
Instrument :
MSVOA_N
ClientSampleId :

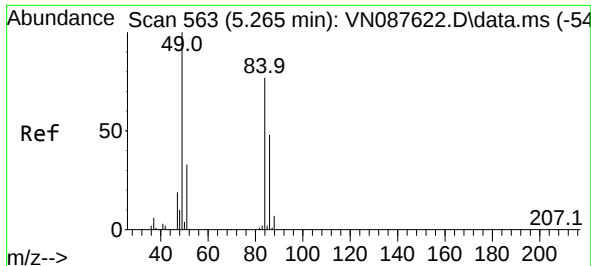
Tgt Ion: 43 Resp: 618
Ion Ratio Lower Upper
43 100
58 59.9 22.6 33.8#



#17
Carbon Disulfide
Concen: 0.353 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

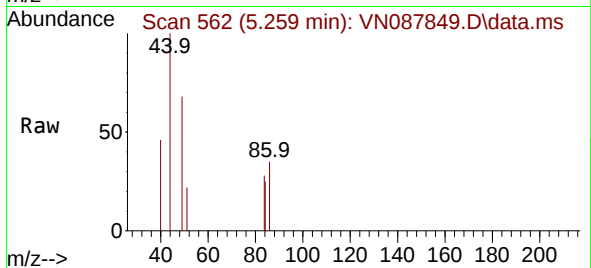
Tgt Ion: 76 Resp: 2584
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



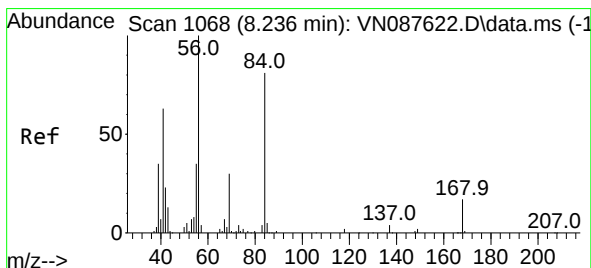
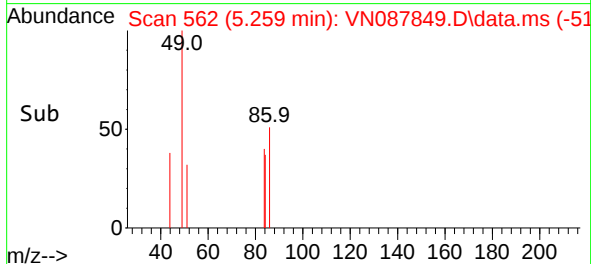
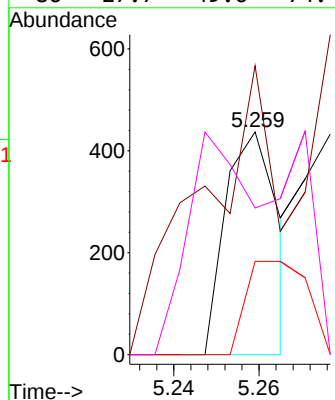


#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :

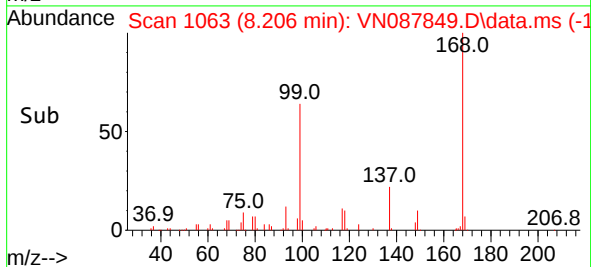
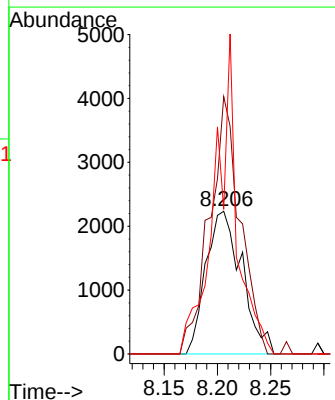
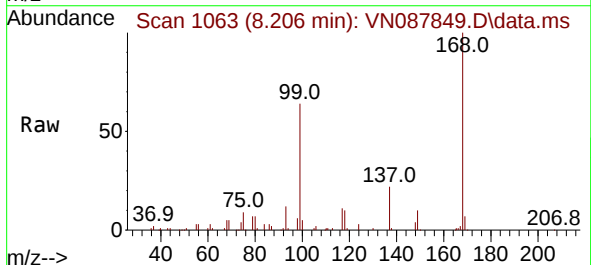


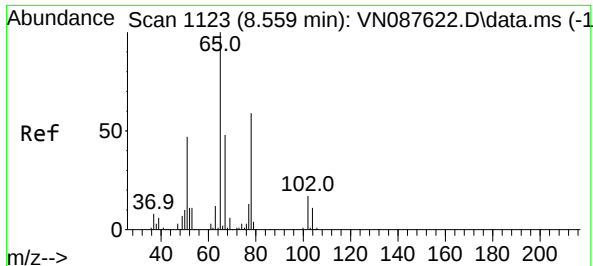
Tgt Ion:	84	Resp:	376
Ion	Ratio	Lower	Upper
84	100		
49	74.4	103.4	155.2#
51	41.9	33.8	50.8
86	27.7	49.6	74.4#



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Tgt Ion:	56	Resp:	5276
Ion	Ratio	Lower	Upper
56	100		
69	180.3	23.7	35.5#
84	101.4	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 49.056 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087849.D

Acq: 16 Sep 2025 15:04

Instrument :

MSVOA_N

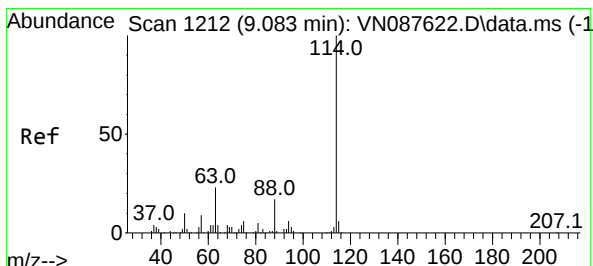
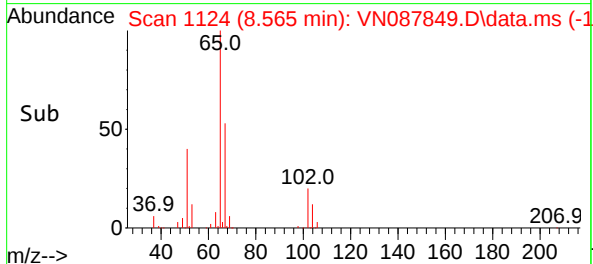
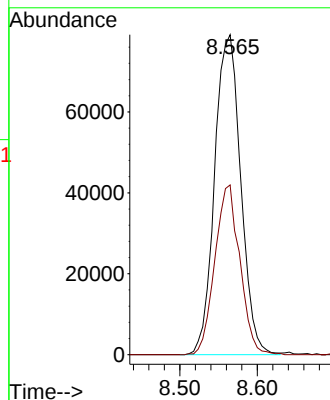
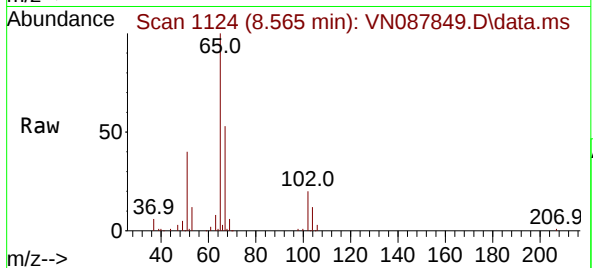
ClientSampleId :

Tgt Ion: 65 Resp: 185379

Ion Ratio Lower Upper

65 100

67 50.7 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: VN087849.D

Acq: 16 Sep 2025 15:04

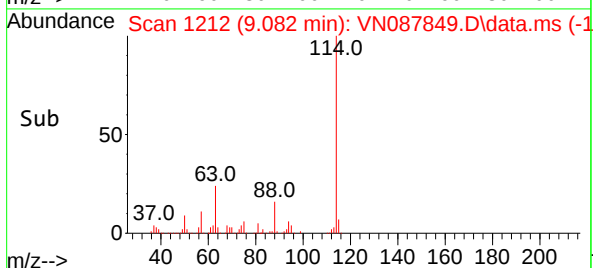
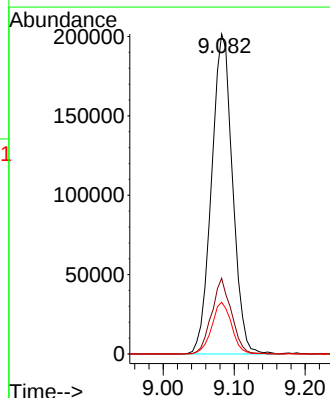
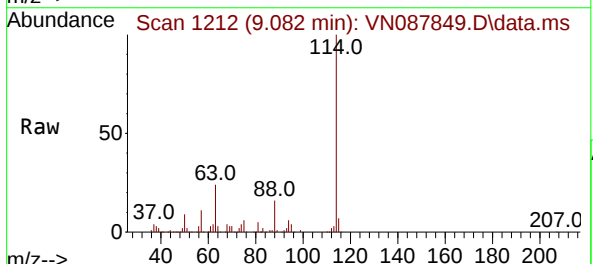
Tgt Ion: 114 Resp: 413572

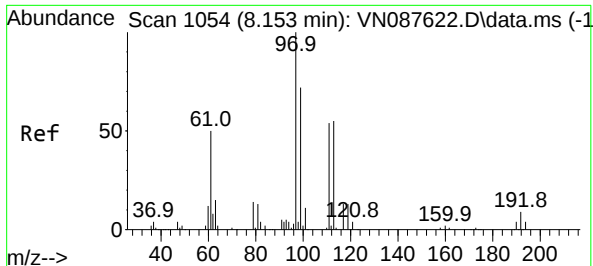
Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 16.1 0.0 33.4

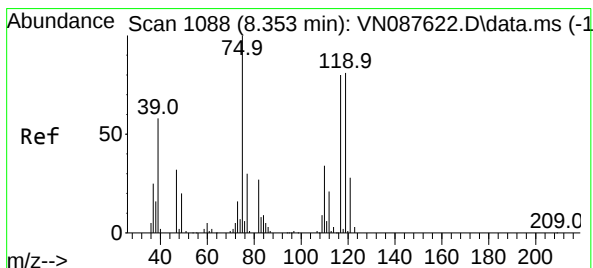
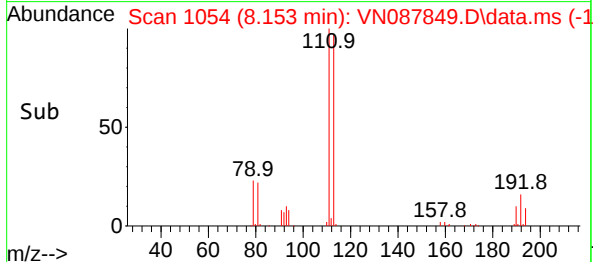
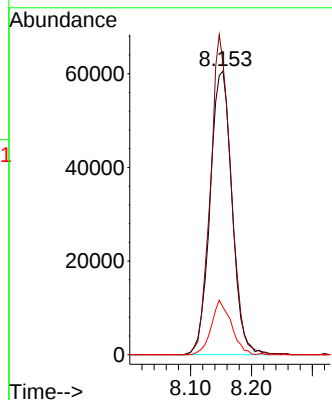
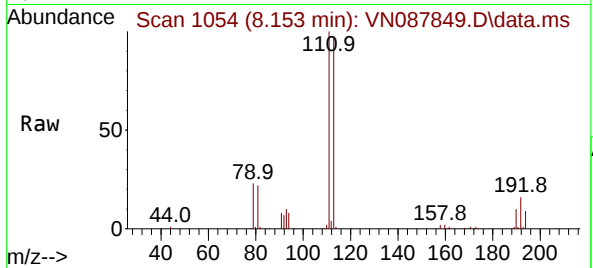




#35
Dibromofluoromethane
Concen: 50.712 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

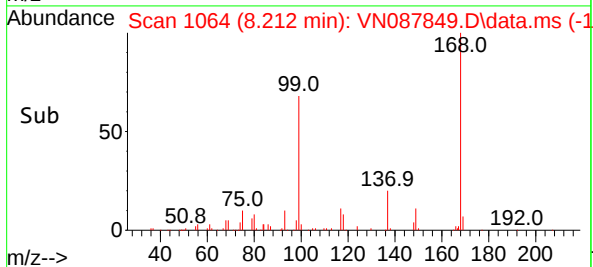
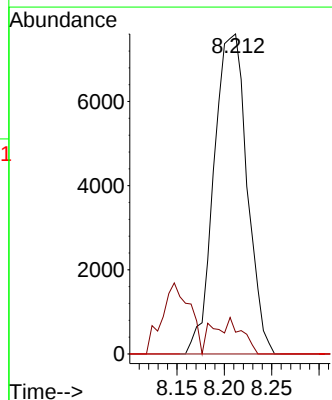
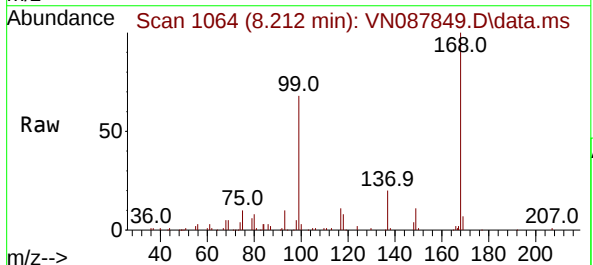
Instrument :
MSVOA_N
ClientSampleId :

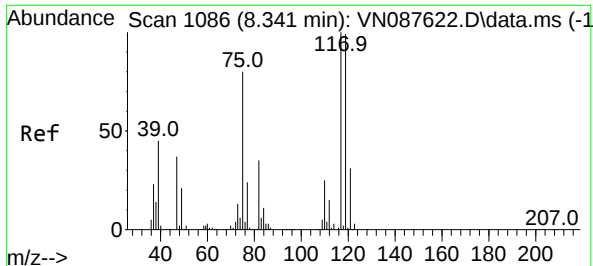
Tgt Ion:113 Resp: 151424
Ion Ratio Lower Upper
113 100
111 105.6 82.8 124.2
192 17.5 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.035 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.141 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

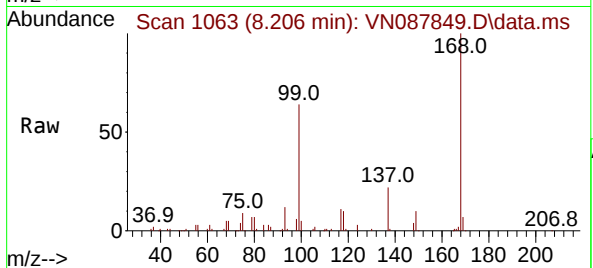
Tgt Ion: 75 Resp: 18483
Ion Ratio Lower Upper
75 100
110 0.0 15.9 47.6#
77 0.0 24.4 36.6#



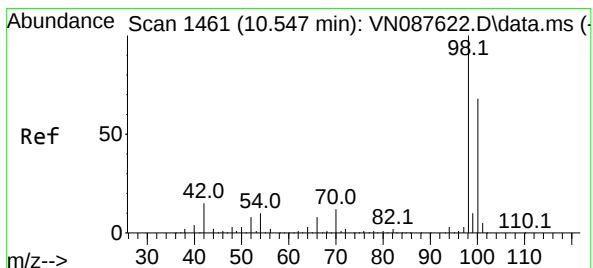
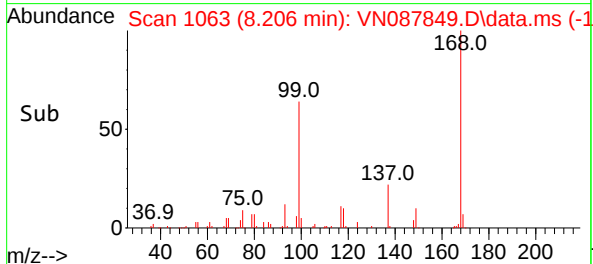
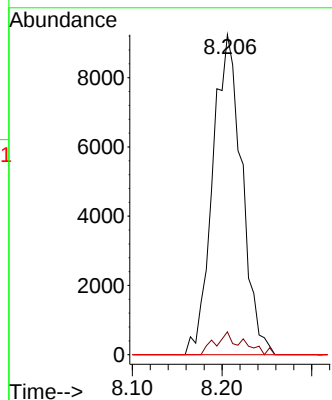


#38
Carbon Tetrachloride
Concen: 4.615 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Instrument :
MSVOA_N
ClientSampleId :

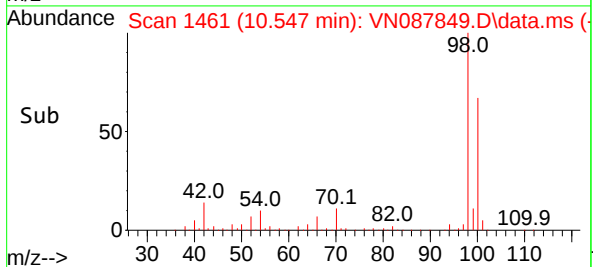
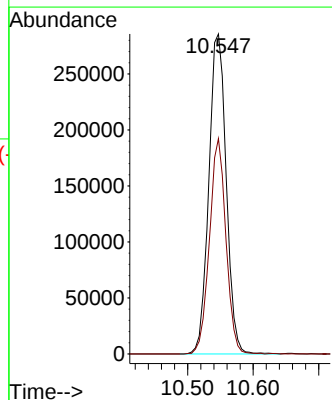
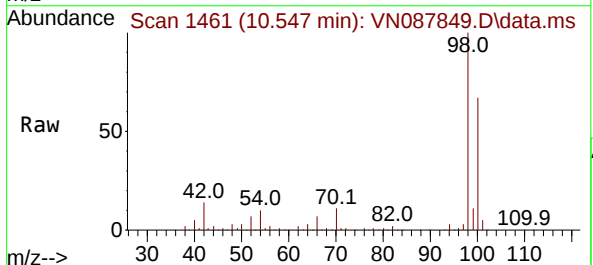


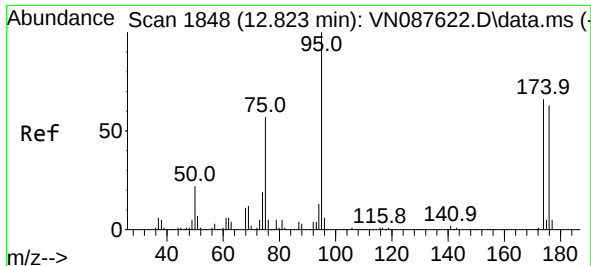
Tgt Ion:117 Resp: 20873
Ion Ratio Lower Upper
117 100
119 7.1 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 47.141 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Tgt Ion: 98 Resp: 526852
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2

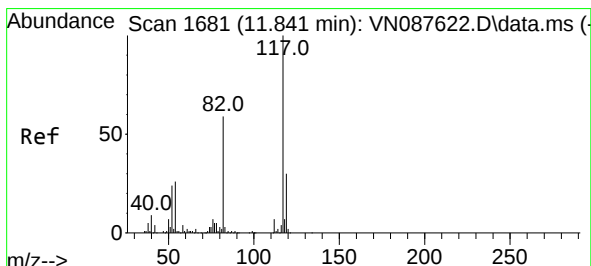
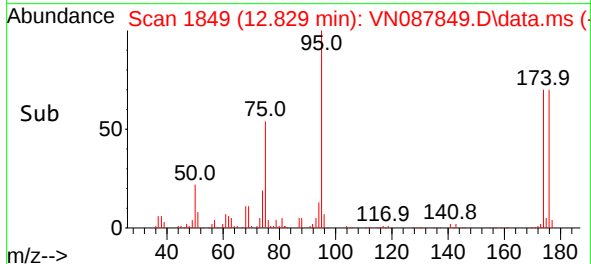
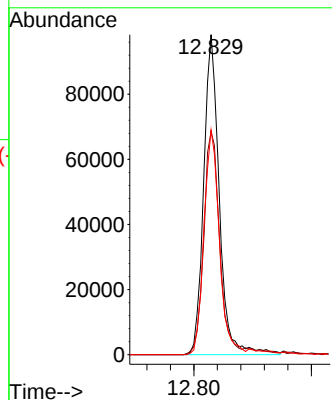
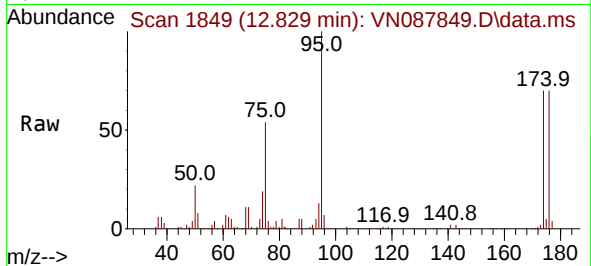




#62
4-Bromofluorobenzene
Concen: 45.717 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

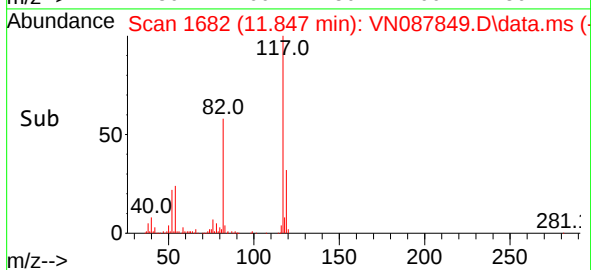
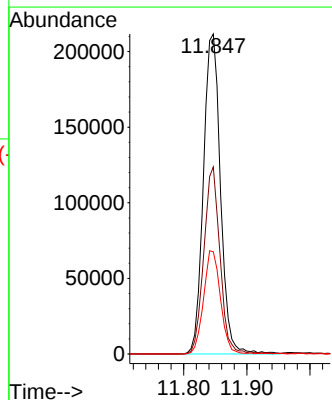
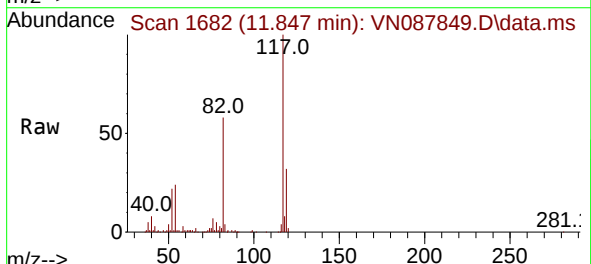
Instrument :
MSVOA_N
ClientSampleId :

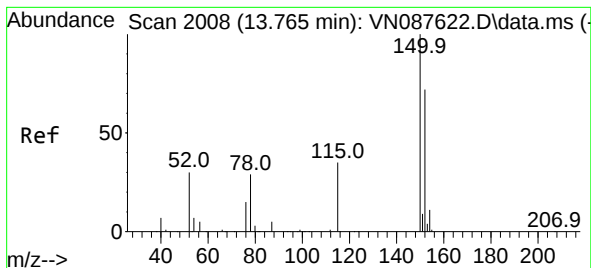
Tgt Ion: 95 Resp: 181702
Ion Ratio Lower Upper
95 100
174 70.5 0.0 138.4
176 69.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

Tgt Ion: 117 Resp: 397360
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 32.0 24.3 36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2008

Delta R.T. 0.006 min

Lab File: VN087849.D

Acq: 16 Sep 2025 15:04

Instrument :

MSVOA_N

ClientSampleId :

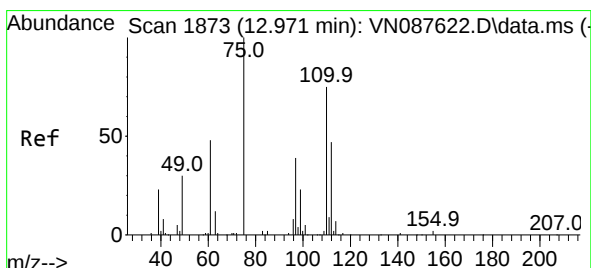
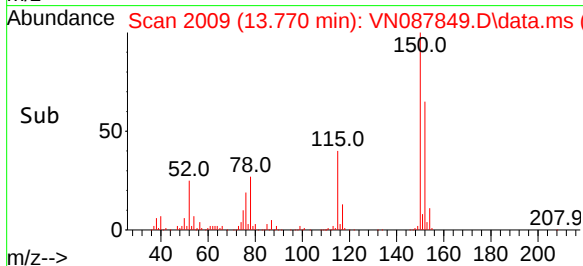
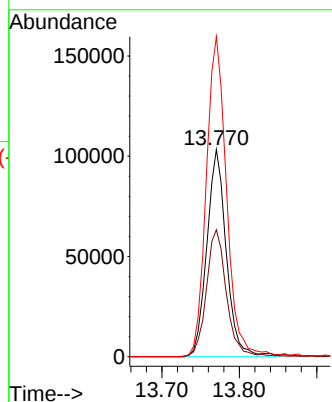
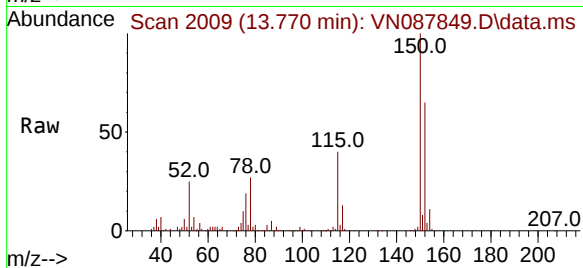
Tgt Ion:152 Resp: 180365

Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 160.4 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 23.877 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087849.D

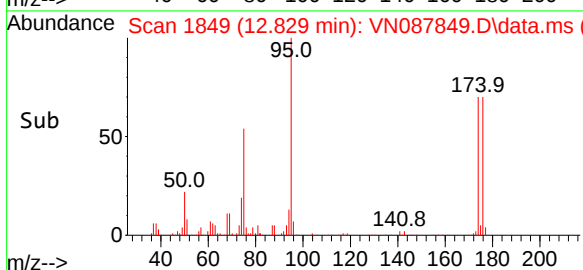
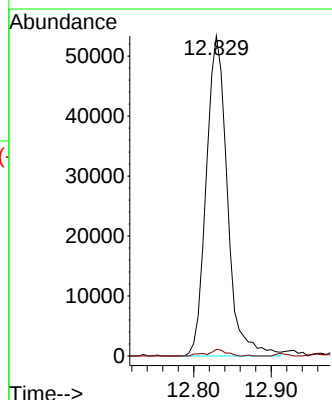
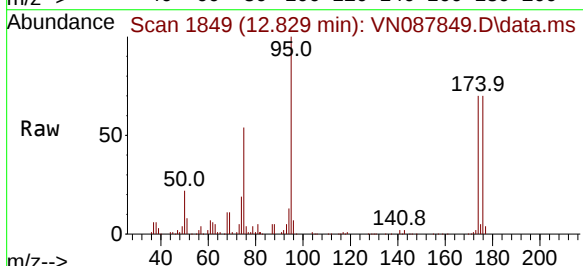
Acq: 16 Sep 2025 15:04

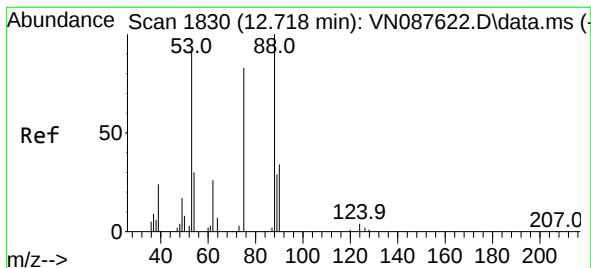
Tgt Ion: 75 Resp: 100991

Ion Ratio Lower Upper

75 100

77 1.8 89.1 267.4#

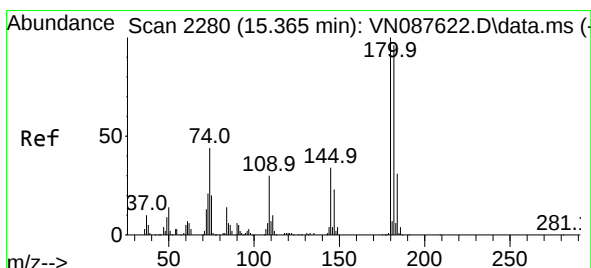
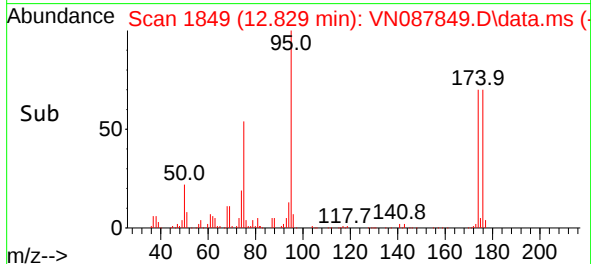
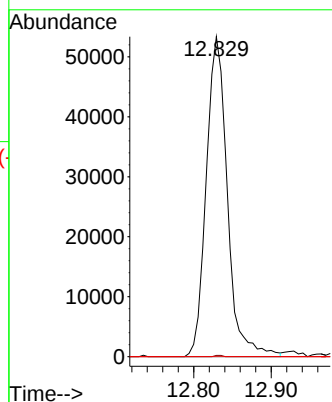
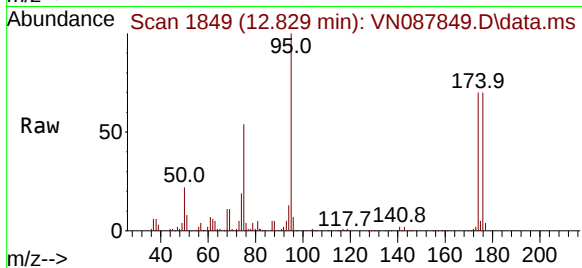




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.211 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN087849.D
 Acq: 16 Sep 2025 15:04

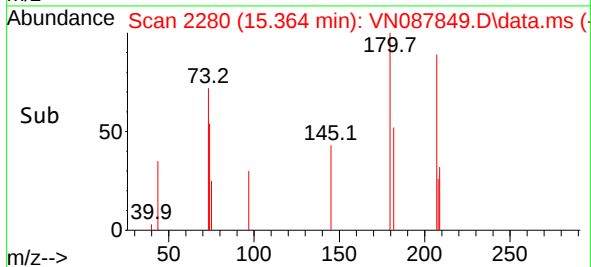
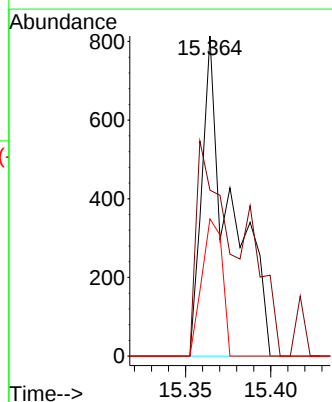
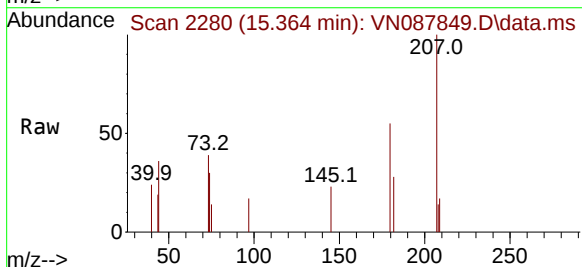
Instrument :
 MSVOA_N
 ClientSampleId :

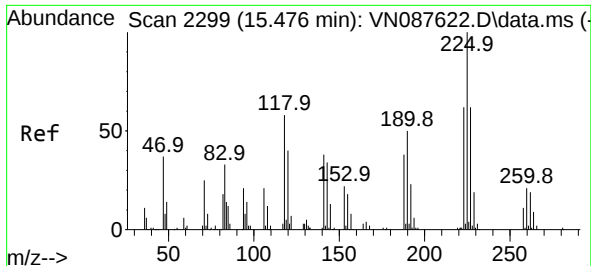
Tgt Ion: 75 Resp: 100991
 Ion Ratio Lower Upper
 75 100
 53 0.2 101.8 152.6#
 89 0.0 35.6 53.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.252 ug/l
 RT: 15.364 min Scan# 2280
 Delta R.T. -0.000 min
 Lab File: VN087849.D
 Acq: 16 Sep 2025 15:04

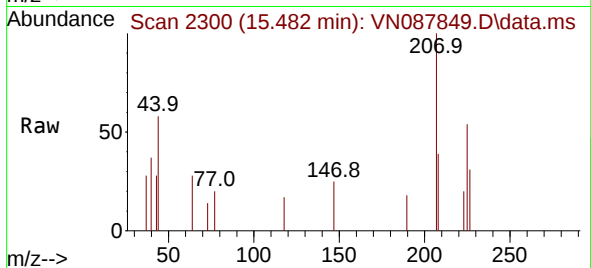
Tgt Ion: 180 Resp: 973
 Ion Ratio Lower Upper
 180 100
 182 68.3 47.6 142.9
 145 29.8 16.5 49.5



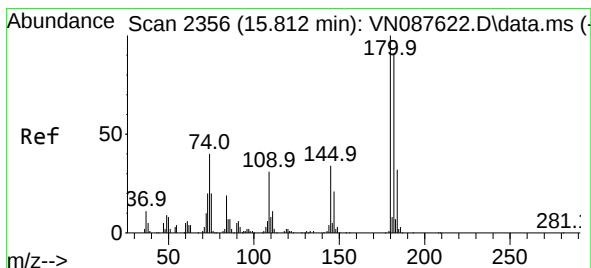
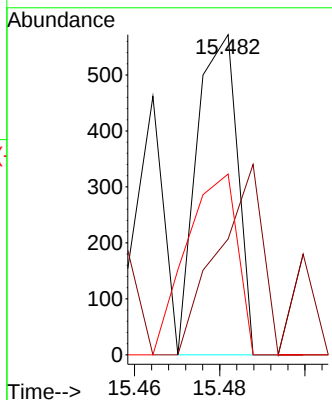
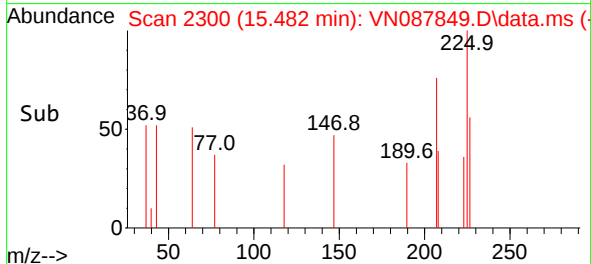


#94
Hexachlorobutadiene
Concen: 0.275 ug/l
RT: 15.482 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04

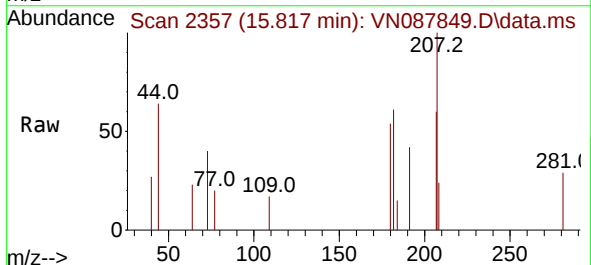
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:225 Resp: 378
Ion Ratio Lower Upper
225 100
223 82.0 32.0 96.2
227 71.2 32.1 96.5



#96
1,2,3-Trichlorobenzene
Concen: 0.297 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN087849.D
Acq: 16 Sep 2025 15:04



Tgt Ion:180 Resp: 1121
Ion Ratio Lower Upper
180 100
182 53.7 46.8 140.3
145 8.3 17.3 52.0#

