

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092525\
 Data File : VN087950.D
 Acq On : 25 Sep 2025 12:59
 Operator : JC\MD
 Sample : VN0925WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 26 07:29:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

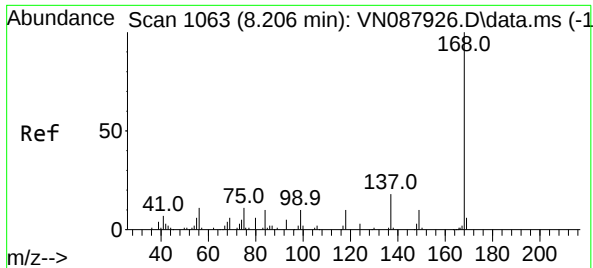
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	168763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	367239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	361992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	171513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	165738	58.355	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 116.720%		
35) Dibromofluoromethane	8.153	113	142300	53.369	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.740%		
50) Toluene-d8	10.547	98	470183	50.145	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.280%		
62) 4-Bromofluorobenzene	12.829	95	153124	45.687	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 91.380%		
Target Compounds						
					Qvalue	
5) Bromomethane	3.012	94	1235	0.976	ug/l #	49
13) Acrolein	4.171	56	168	0.320	ug/l #	1
15) Acrylonitrile	5.706	53	276	0.215	ug/l #	32
16) Acetone	4.418	43	1207	1.033	ug/l #	45
17) Carbon Disulfide	4.706	76	2278	0.411	ug/l #	35
20) Methylene Chloride	5.265	84	1140	0.482	ug/l #	80
21) trans-1,2-Dichloroethene	5.788	96	495	0.228	ug/l #	16
31) Cyclohexane	8.206	56	4311	1.354	ug/l #	20
36) 1,1-Dichloropropene	8.206	75	15324	4.780	ug/l #	49
38) Carbon Tetrachloride	8.212	117	18717	5.087	ug/l #	20
76) 1,2,3-Trichloropropane	12.829	75	85462	25.278	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	85462	70.193	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.376	180	1065	0.339	ug/l #	47
94) Hexachlorobutadiene	15.476	225	674	0.583	ug/l #	53

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

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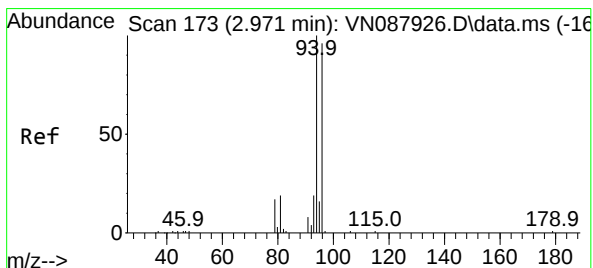
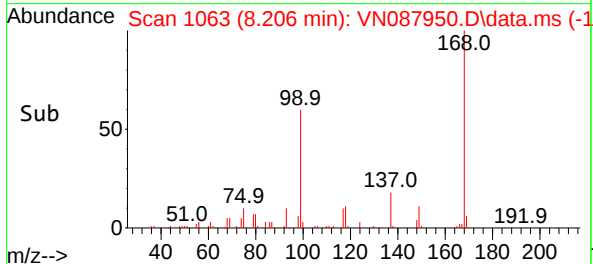
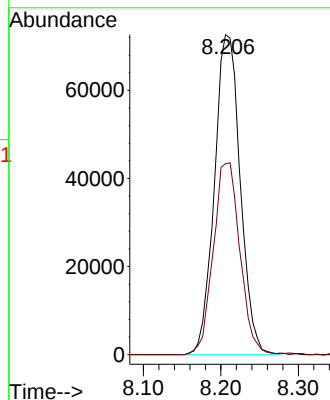
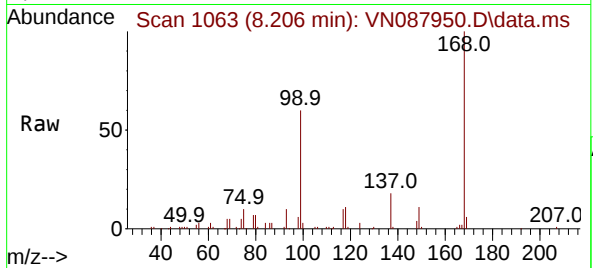




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

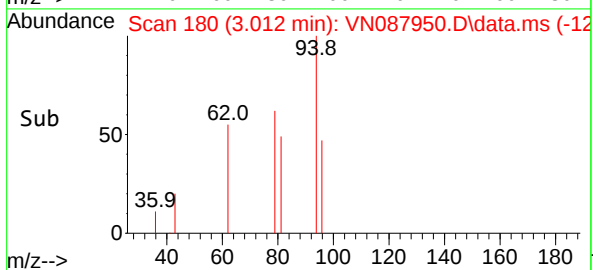
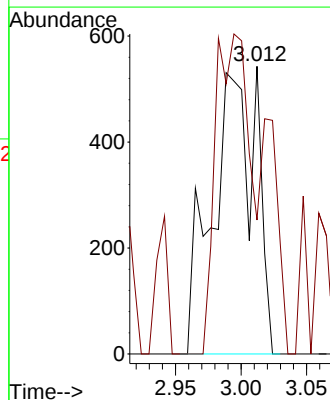
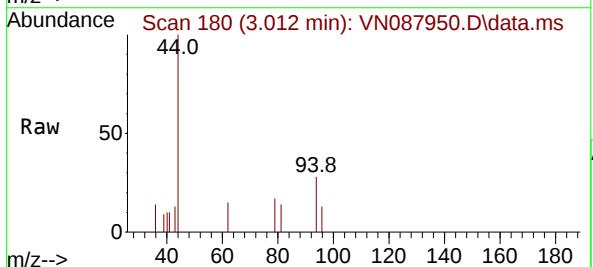
Instrument :
MSVOA_N
ClientSampleId :

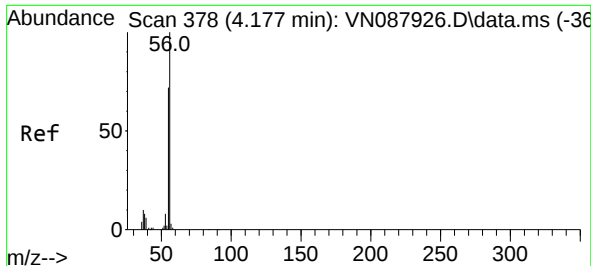
Tgt Ion:168 Resp: 168763
Ion Ratio Lower Upper
168 100
99 59.7 52.2 78.2



#5
Bromomethane
Concen: 0.976 ug/l
RT: 3.012 min Scan# 180
Delta R.T. 0.041 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

Tgt Ion: 94 Resp: 1235
Ion Ratio Lower Upper
94 100
96 46.6 76.8 115.2#





#13

Acrolein

Concen: 0.320 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN087950.D

Acq: 25 Sep 2025 12:59

Instrument :

MSVOA_N

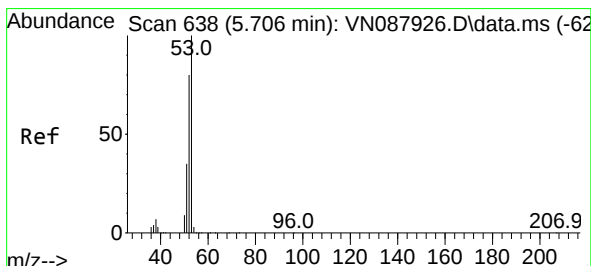
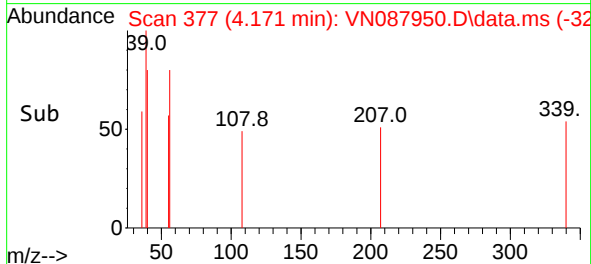
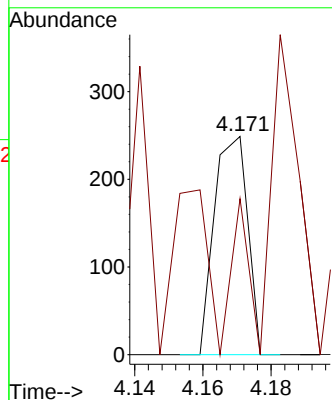
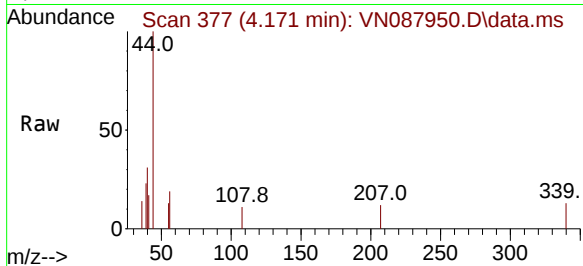
ClientSampleId :

Tgt Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 196.4 59.3 88.9#



#15

Acrylonitrile

Concen: 0.215 ug/l

RT: 5.706 min Scan# 638

Delta R.T. -0.000 min

Lab File: VN087950.D

Acq: 25 Sep 2025 12:59

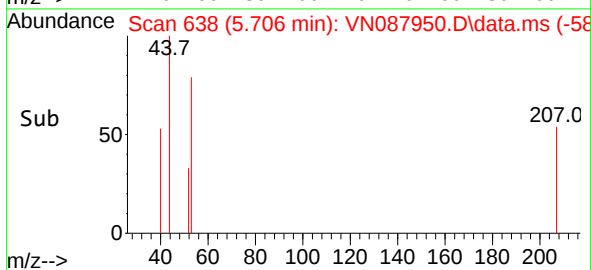
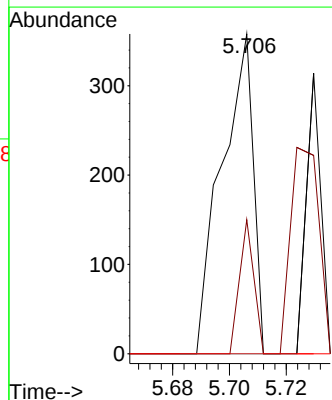
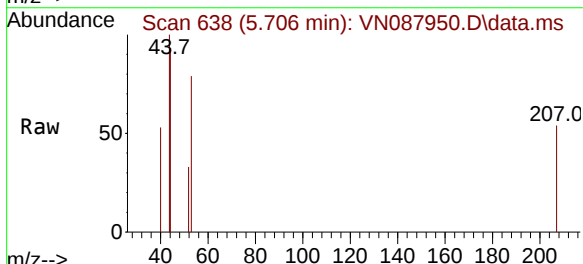
Tgt Ion: 53 Resp: 276

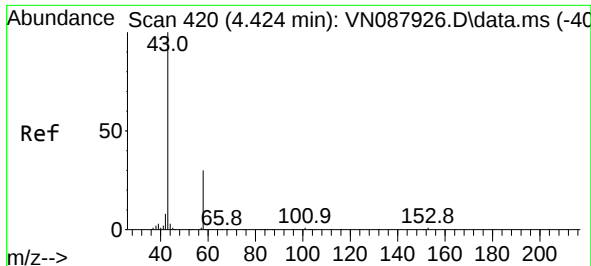
Ion Ratio Lower Upper

53 100

52 19.2 66.6 99.8#

51 0.0 29.0 43.4#

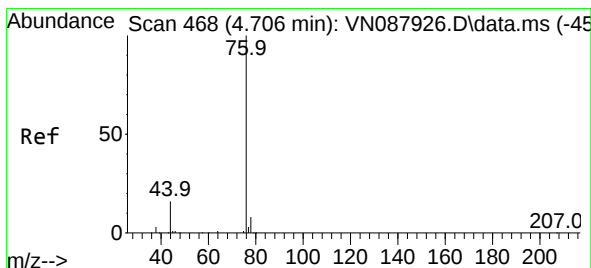
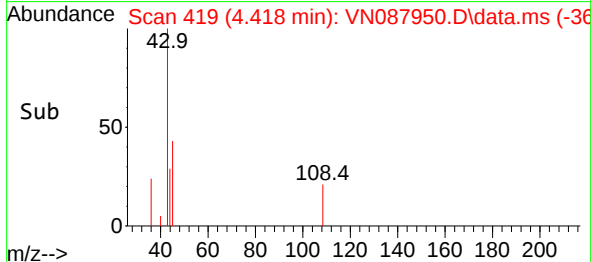
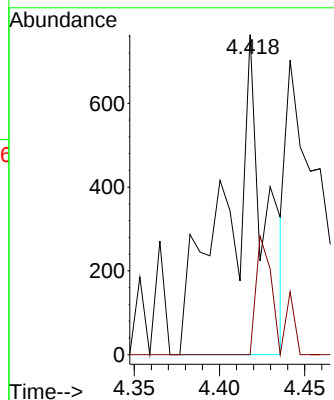
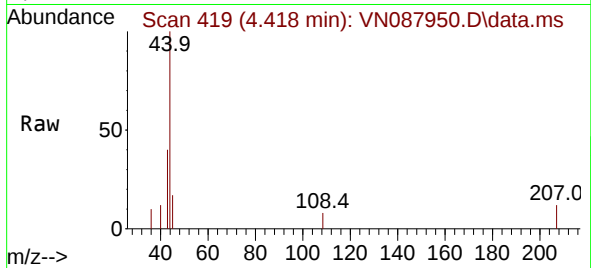




#16
Acetone
Concen: 1.033 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

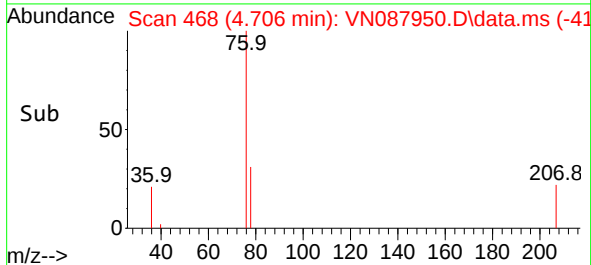
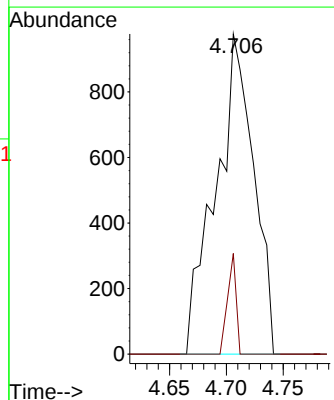
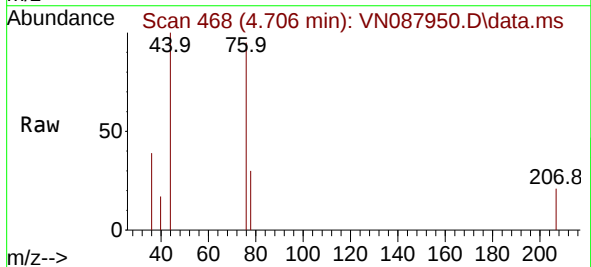
Instrument :
MSVOA_N
ClientSampleId :

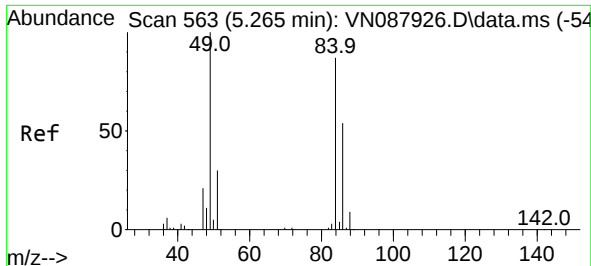
Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#



#17
Carbon Disulfide
Concen: 0.411 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

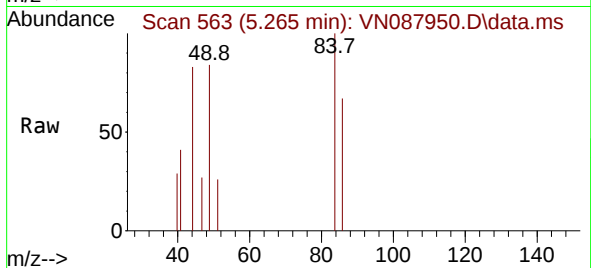
Tgt Ion: 76 Resp: 2278
Ion Ratio Lower Upper
76 100
78 31.4 6.7 10.1#



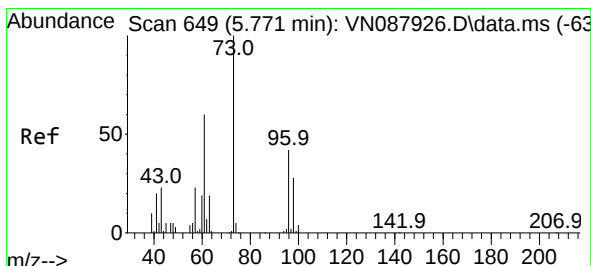
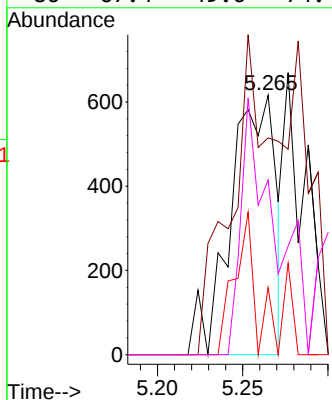
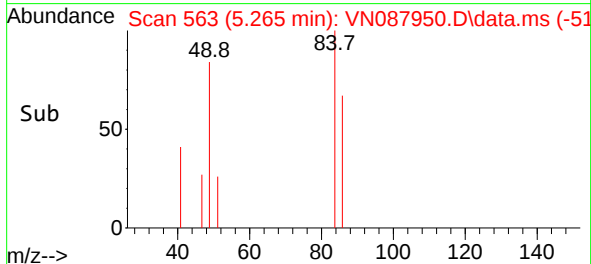


#20
Methylene Chloride
Concen: 0.482 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

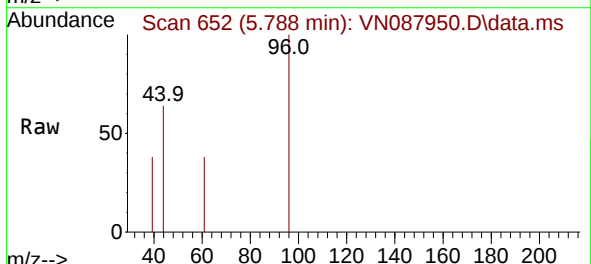
Instrument :
MSVOA_N
ClientSampleId :



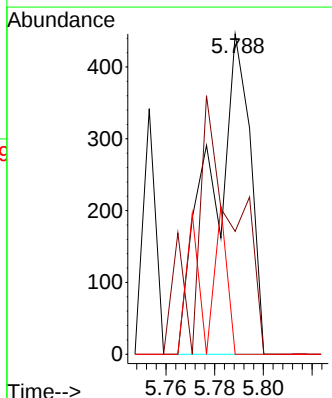
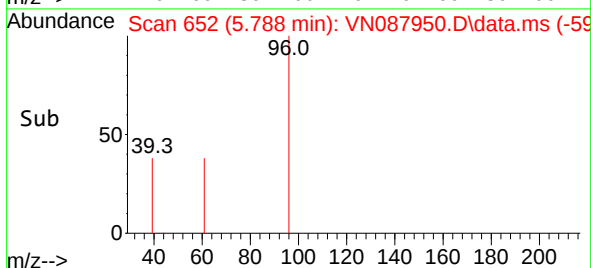
Tgt Ion:	84	Resp:	1140
Ion	Ratio	Lower	Upper
84	100		
49	83.6	92.1	138.1#
51	25.8	27.7	41.5#
86	67.4	49.6	74.4

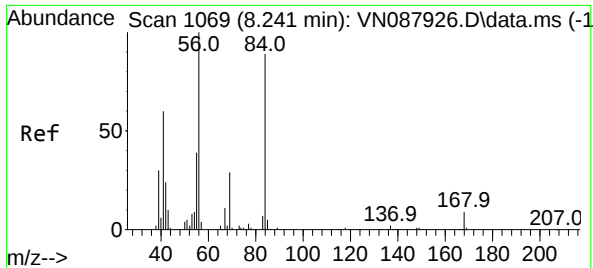


#21
trans-1,2-Dichloroethene
Concen: 0.228 ug/l
RT: 5.788 min Scan# 652
Delta R.T. 0.018 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59



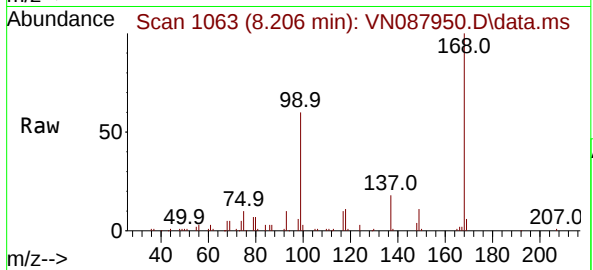
Tgt Ion:	96	Resp:	495
Ion	Ratio	Lower	Upper
96	100		
61	38.3	114.4	171.6#
98	0.0	53.6	80.4#



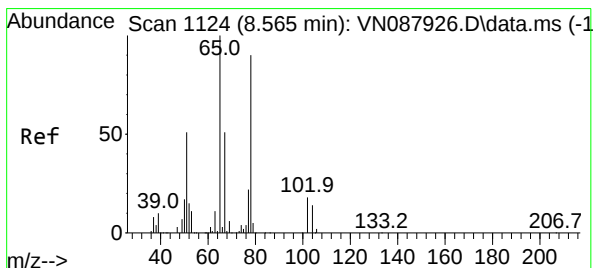
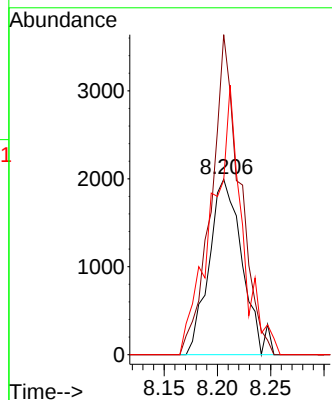
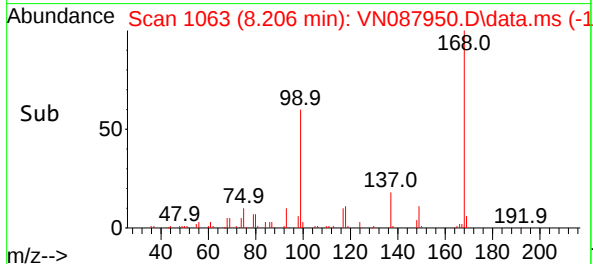


#31
Cyclohexane
Concen: 1.354 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :

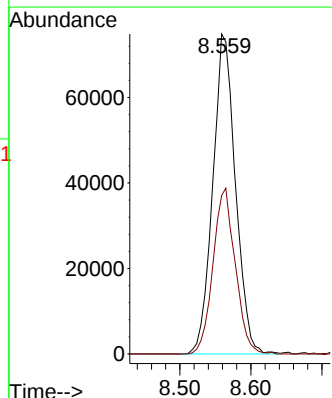
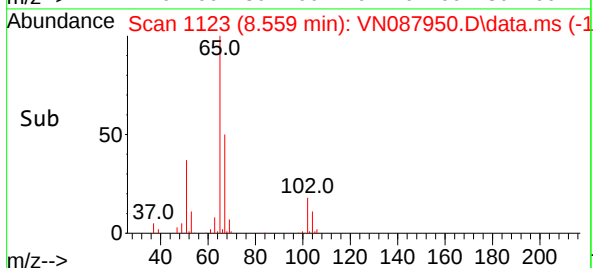
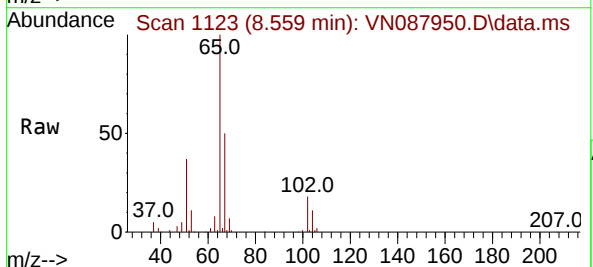


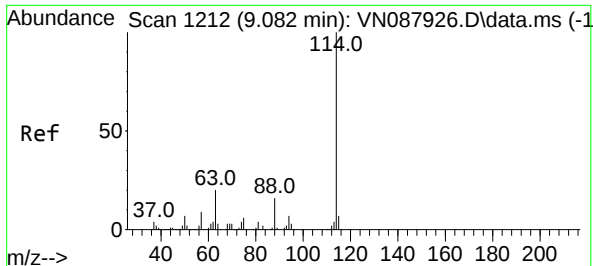
Tgt Ion: 56 Resp: 4311
Ion Ratio Lower Upper
56 100
69 182.4 23.4 35.0#
84 99.5 70.8 106.2



#33
1,2-Dichloroethane-d4
Concen: 58.355 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

Tgt Ion: 65 Resp: 165738
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087950.D

Acq: 25 Sep 2025 12:59

Instrument :

MSVOA_N

ClientSampleId :

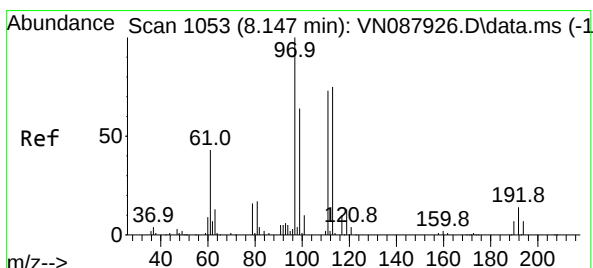
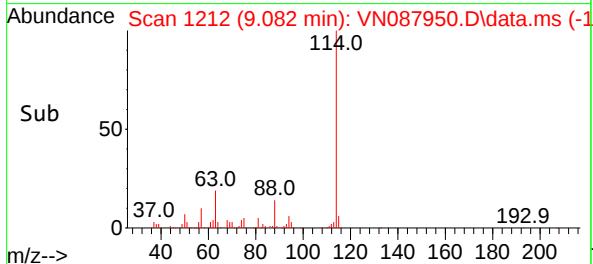
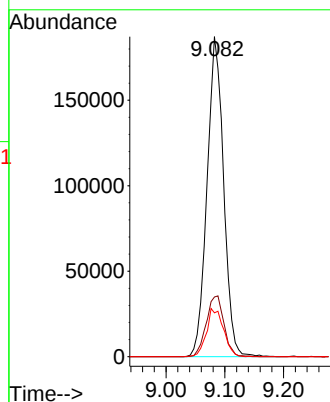
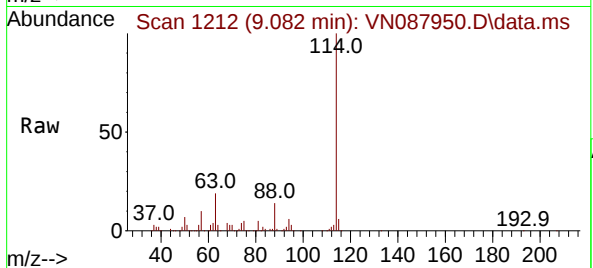
Tgt Ion:114 Resp: 367239

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.369 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087950.D

Acq: 25 Sep 2025 12:59

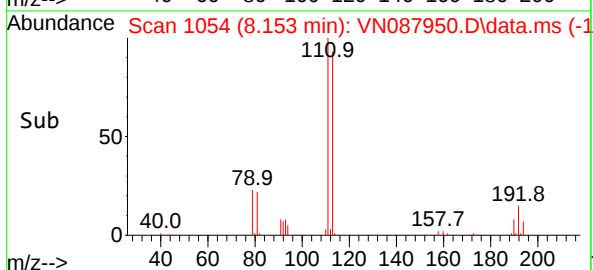
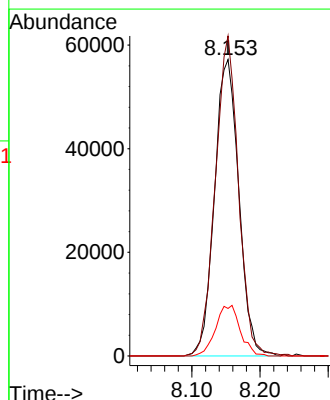
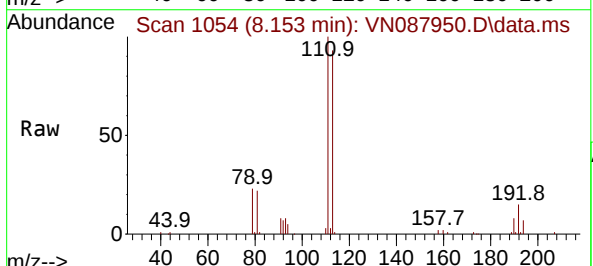
Tgt Ion:113 Resp: 142300

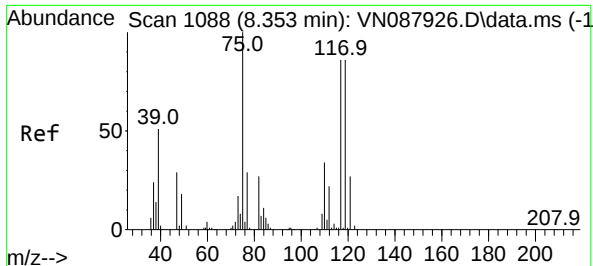
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 17.2 14.2 21.2





#36

1,1-Dichloropropene

Concen: 4.780 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

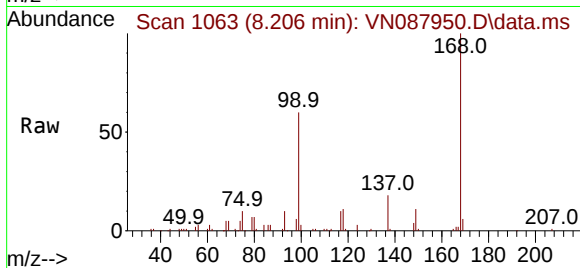
Lab File: VN087950.D

Acq: 25 Sep 2025 12:59

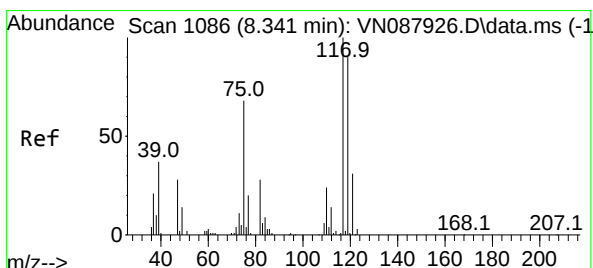
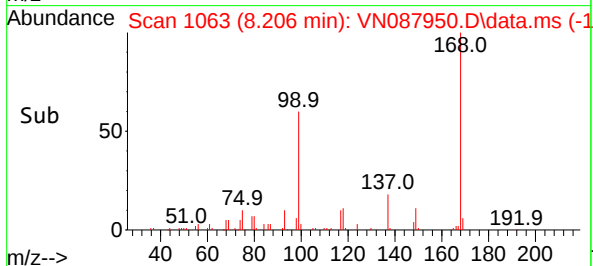
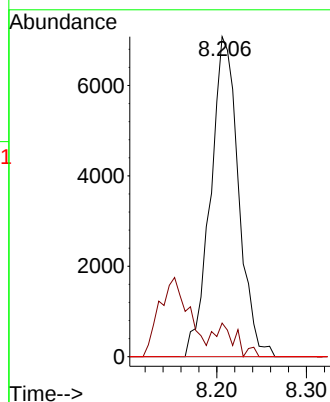
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	15324
Ion Ratio	Lower	Upper	
75	100		
110	8.2	17.1	51.3#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 5.087 ug/l

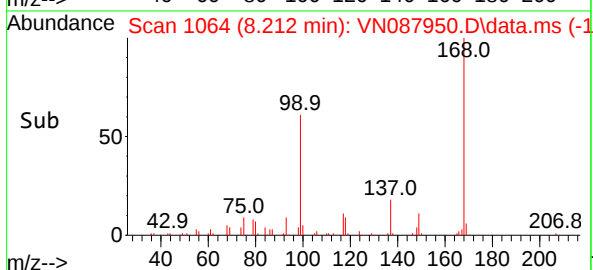
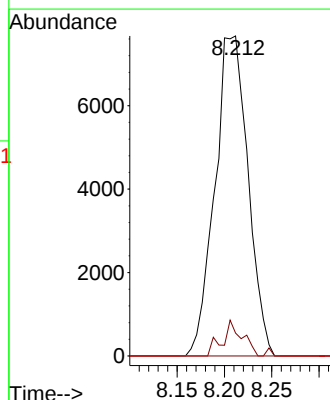
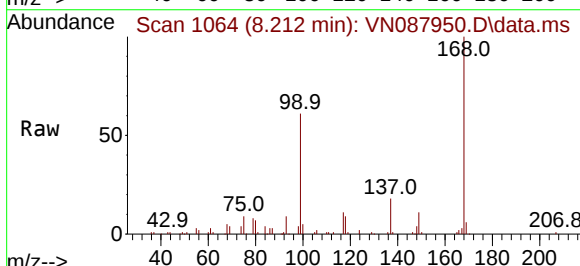
RT: 8.212 min Scan# 1064

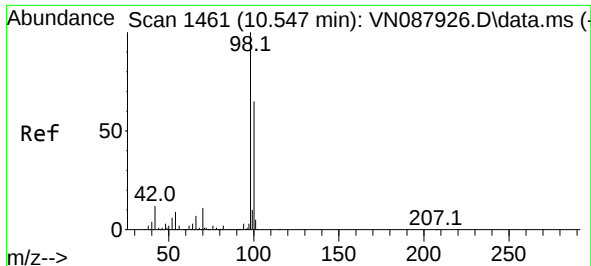
Delta R.T. -0.130 min

Lab File: VN087950.D

Acq: 25 Sep 2025 12:59

Tgt Ion:	117	Resp:	18717
Ion Ratio	Lower	Upper	
117	100		
119	7.2	72.1	108.1#
121	0.0	24.6	36.8#

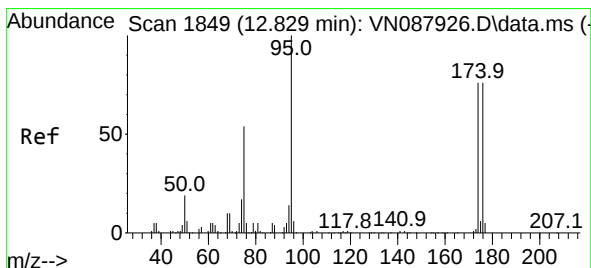
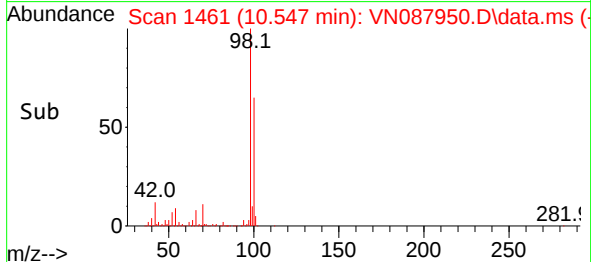
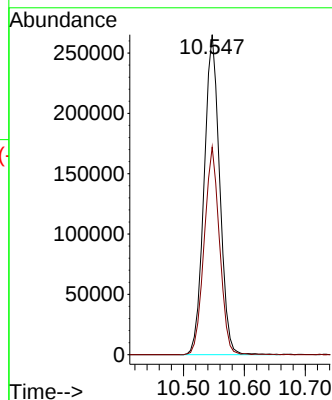
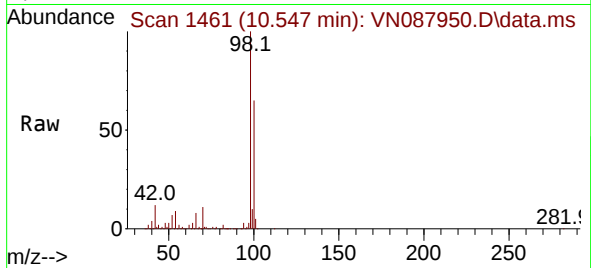




#50
Toluene-d8
Concen: 50.145 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

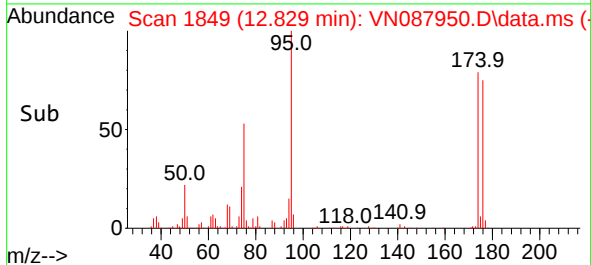
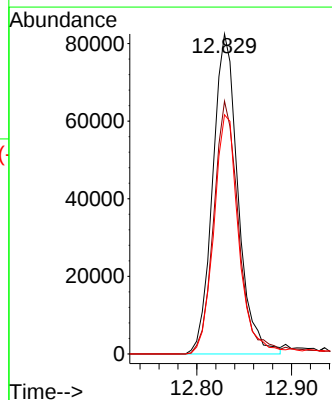
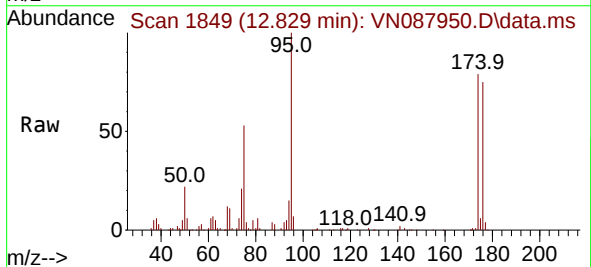
Instrument :
MSVOA_N
ClientSampleId :

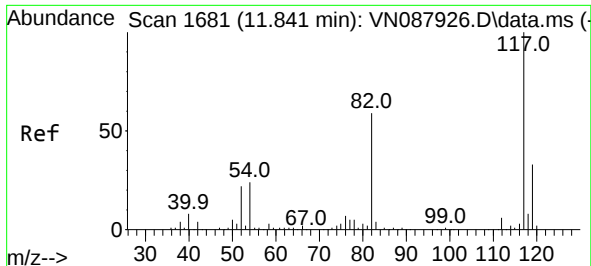
Tgt Ion: 98 Resp: 470183
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.687 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

Tgt Ion: 95 Resp: 153124
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.2
176 74.3 0.0 152.6

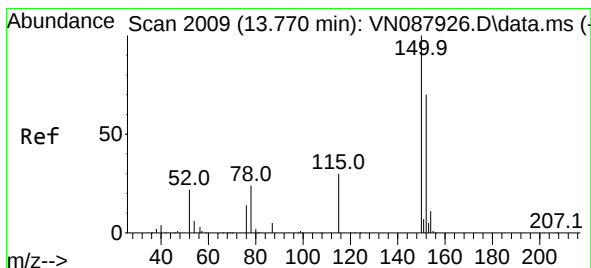
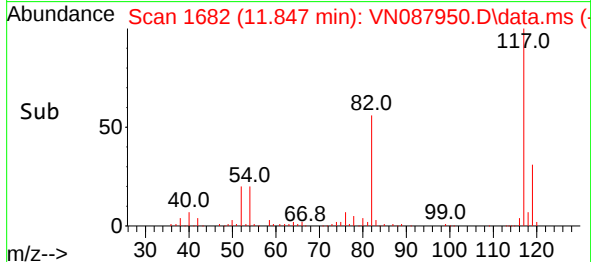
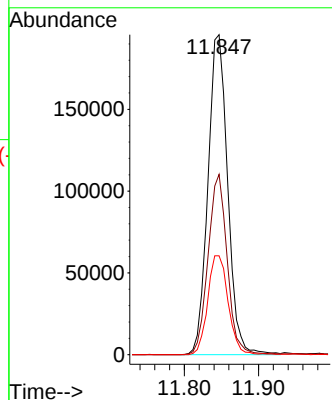
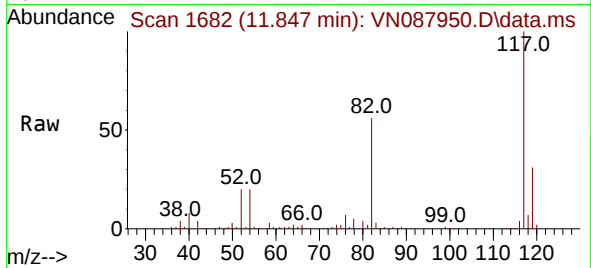




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

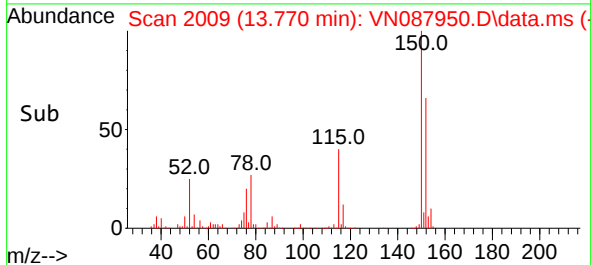
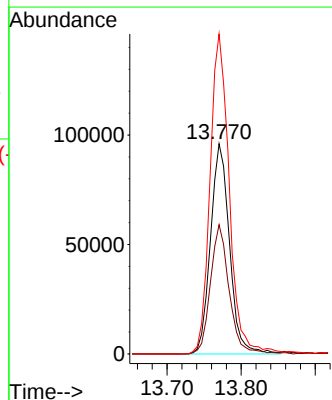
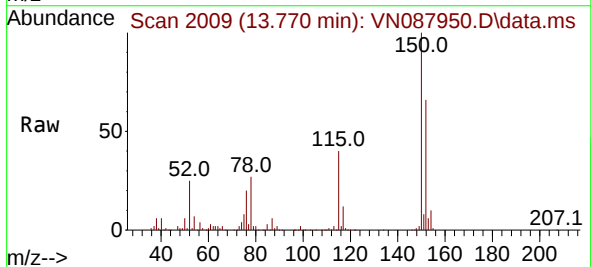
Instrument :
MSVOA_N
ClientSampleId :

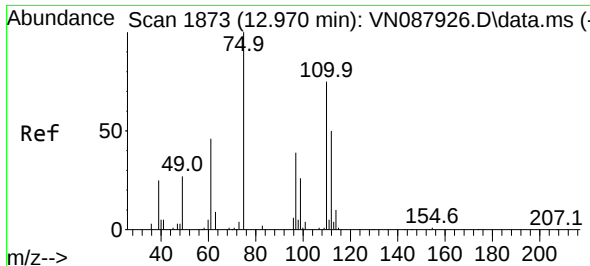
Tgt Ion:117 Resp: 361992
Ion Ratio Lower Upper
117 100
82 56.4 47.0 70.4
119 30.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

Tgt Ion:152 Resp: 171513
Ion Ratio Lower Upper
152 100
115 60.5 29.9 89.7
150 154.5 0.0 335.0

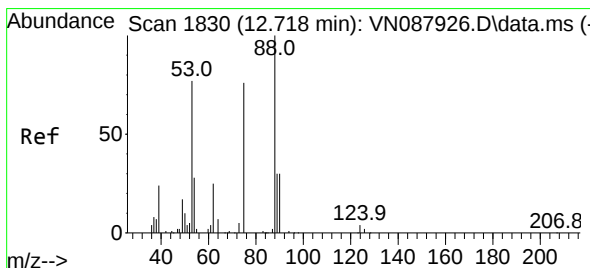
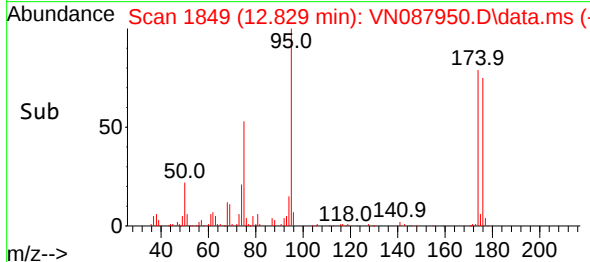
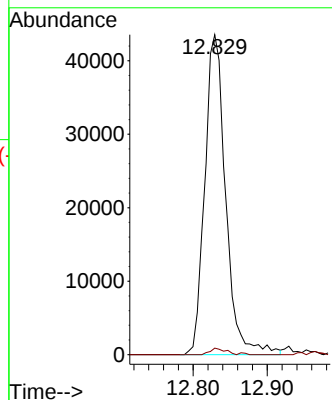
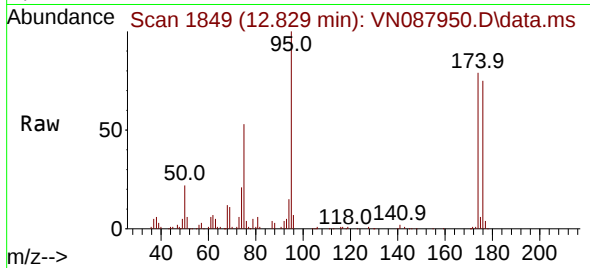




#76
1,2,3-Trichloropropane
Concen: 25.278 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

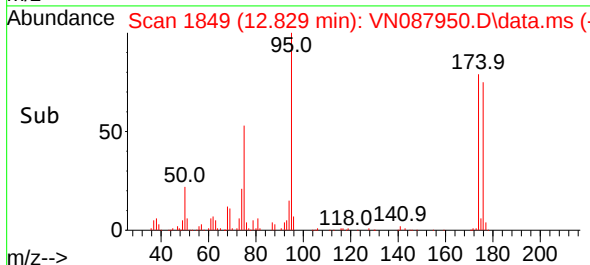
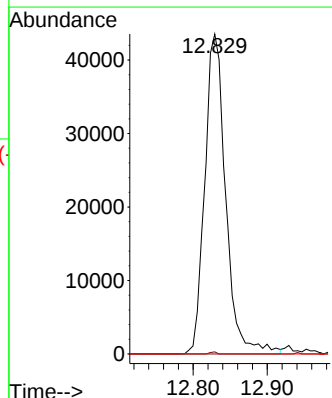
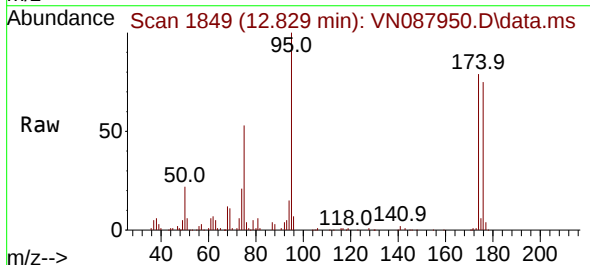
Instrument :
MSVOA_N
ClientSampleId :

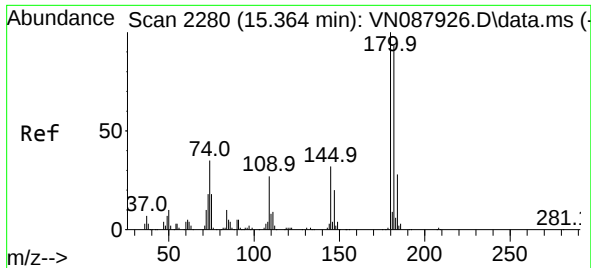
Tgt Ion: 75 Resp: 85462
Ion Ratio Lower Upper
75 100
77 1.5 89.5 268.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.193 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

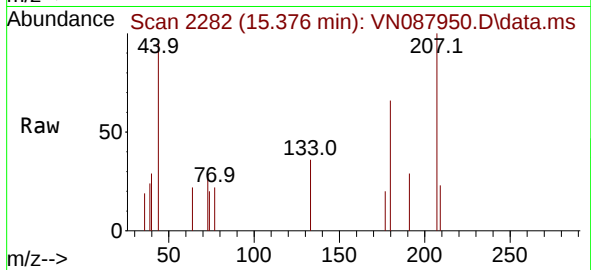
Tgt Ion: 75 Resp: 85462
Ion Ratio Lower Upper
75 100
53 0.2 82.0 123.0#
89 0.0 36.1 54.1#



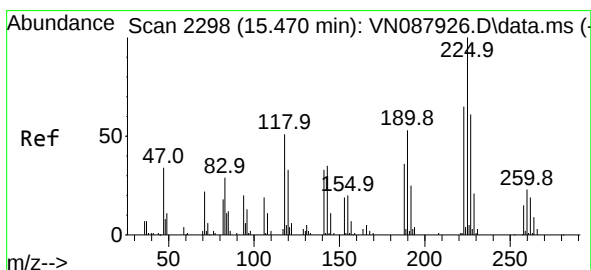
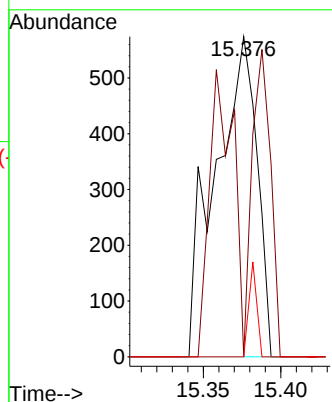
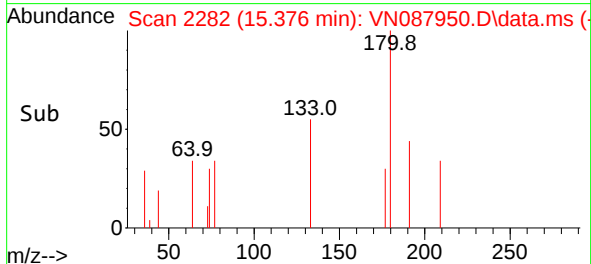


#93
1,2,4-Trichlorobenzene
Concen: 0.339 ug/l
RT: 15.376 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59

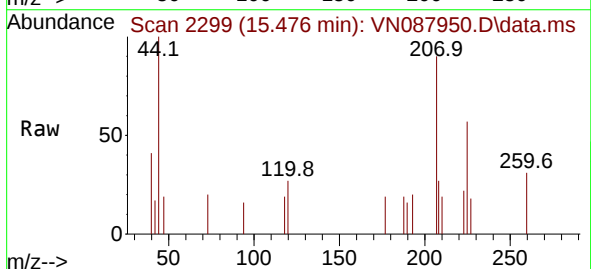
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 1065
Ion Ratio Lower Upper
180 100
182 43.0 48.5 145.5#
145 5.6 15.9 47.6#



#94
Hexachlorobutadiene
Concen: 0.583 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VN087950.D
Acq: 25 Sep 2025 12:59



Tgt Ion:225 Resp: 674
Ion Ratio Lower Upper
225 100
223 23.0 31.8 95.4#
227 31.6 31.9 95.9#

