

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087532.D
 Acq On : 13 Aug 2025 14:07
 Operator : JC\MD
 Sample : Q2816-01DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

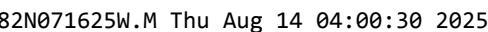
Quant Time: Aug 14 04:00:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

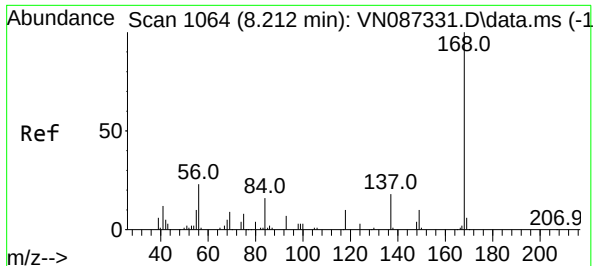
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.212	168	249299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	549507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	507445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	235933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	271979	64.297	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 128.600%#	
35) Dibromofluoromethane	8.153	113	192193	50.704	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.400%	
50) Toluene-d8	10.547	98	702828	51.980	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.960%	
62) 4-Bromofluorobenzene	12.829	95	258230	51.693	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.380%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.536	62	1806	0.546	ug/l #	76
5) Bromomethane	3.006	94	1229	0.717	ug/l #	62
10) Methyl Iodide	4.583	142	98	5.665	ug/l #	61
13) Acrolein	4.159	56	473	0.734	ug/l #	54
16) Acetone	4.424	43	2232	1.125	ug/l	92
20) Methylene Chloride	5.265	84	1223	Below Cal	#	64
25) 2-Butanone	7.471	43	668	0.218	ug/l #	51
27) cis-1,2-Dichloroethene	7.477	96	21638	5.856	ug/l	96
31) Cyclohexane	8.212	56	8137	1.565	ug/l #	49
36) 1,1-Dichloropropene	8.212	75	26671	5.326	ug/l #	50
38) Carbon Tetrachloride	8.212	117	30022	5.442	ug/l #	14
44) Trichloroethene	9.335	130	22821	5.967	ug/l	83
55) 1,1,2-Trichloroethane	11.088	97	1614	0.405	ug/l #	62
56) Ethyl methacrylate	10.912	69	83	0.647	ug/l #	1
60) Dibromochloromethane	11.082	129	110041	24.226	ug/l #	10
64) Tetrachloroethene	11.088	164	105782	32.389	ug/l	95
76) 1,2,3-Trichloropropane	12.829	75	147869	27.949	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	147869	76.474	ug/l #	8

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

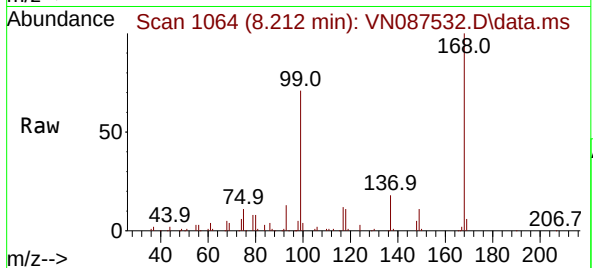
Quant Time: Aug 14 04:00:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



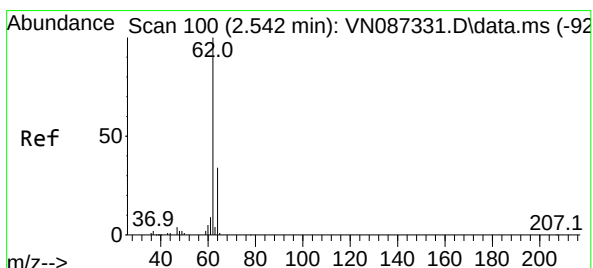
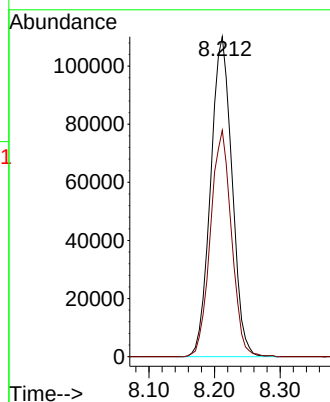
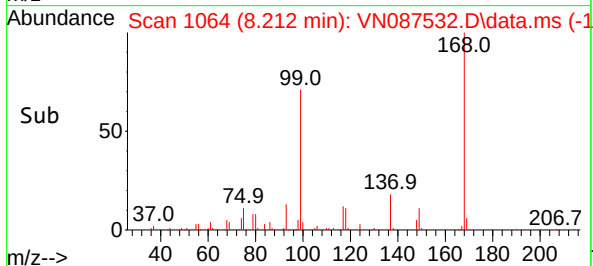


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

Instrument :
MSVOA_N
ClientSampleId :

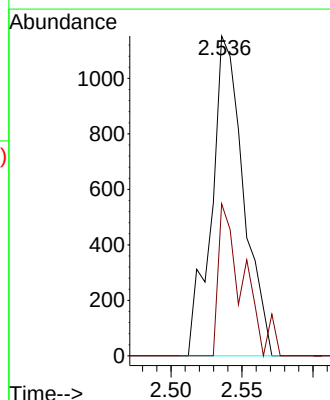
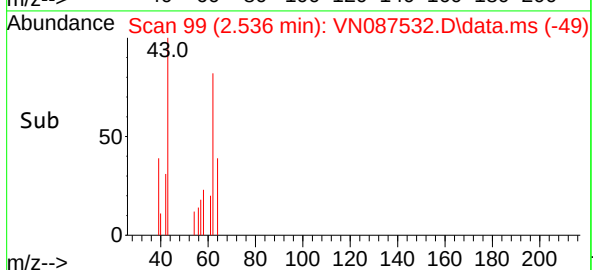
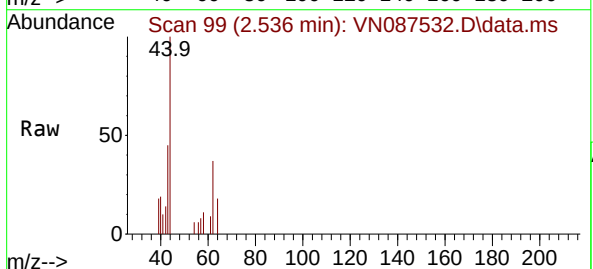


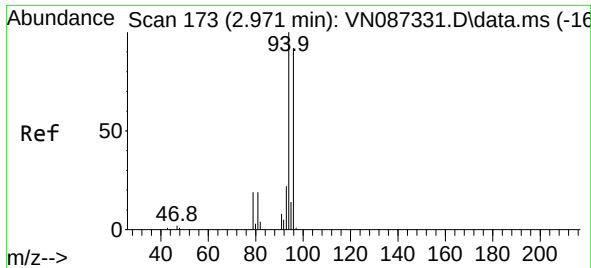
Tgt Ion:168 Resp: 249299
Ion Ratio Lower Upper
168 100
99 70.7 47.9 71.9



#4
Vinyl Chloride
Concen: 0.546 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

Tgt Ion: 62 Resp: 1806
Ion Ratio Lower Upper
62 100
64 47.5 27.0 40.6#

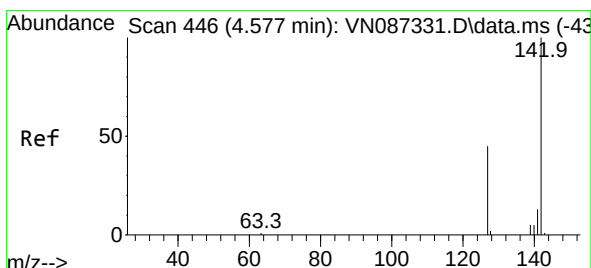
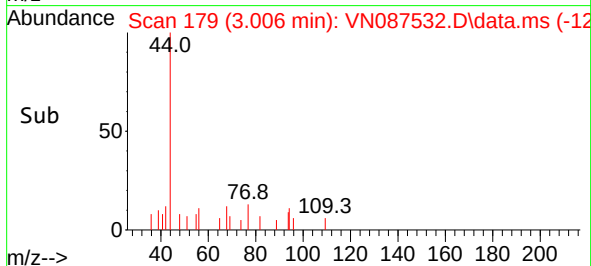
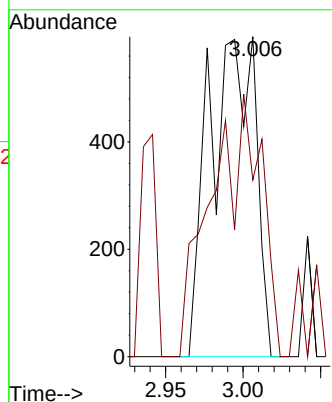
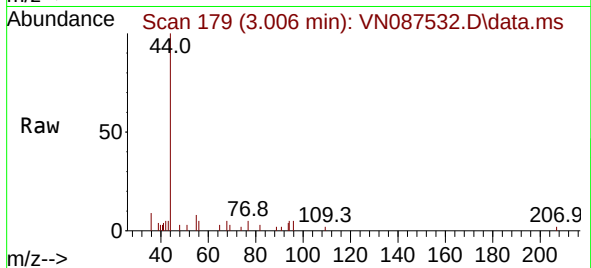




#5
Bromomethane
Concen: 0.717 ug/l
RT: 3.006 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

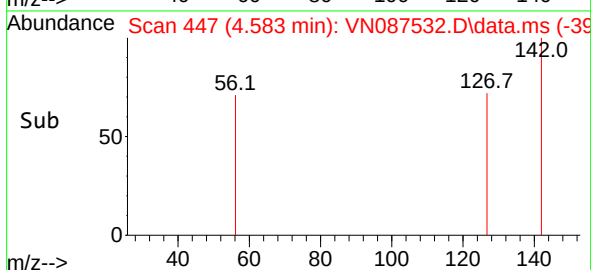
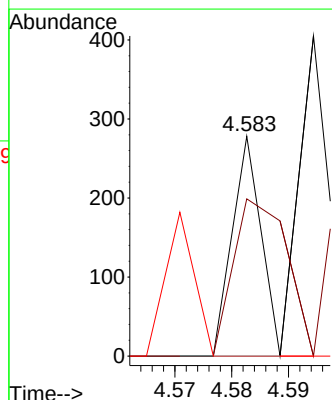
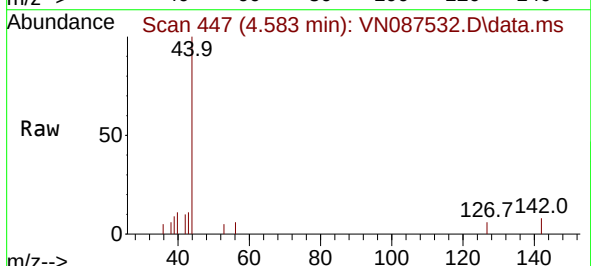
Instrument :
MSVOA_N
ClientSampleId :

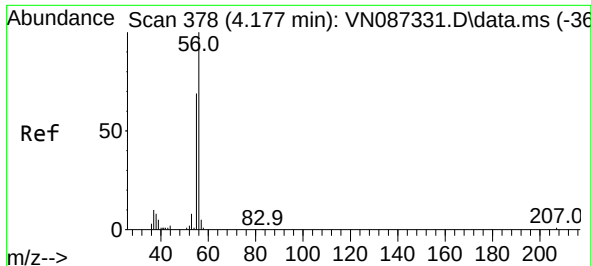
Tgt Ion: 94 Resp: 1229
Ion Ratio Lower Upper
94 100
96 55.2 73.4 110.2#



#10
Methyl Iodide
Concen: 5.665 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.006 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

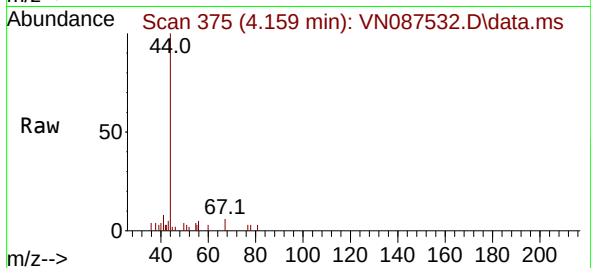
Tgt Ion: 142 Resp: 98
Ion Ratio Lower Upper
142 100
127 71.6 35.7 53.5#
141 0.0 10.4 15.6#



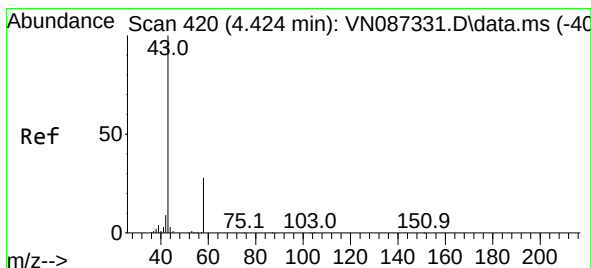
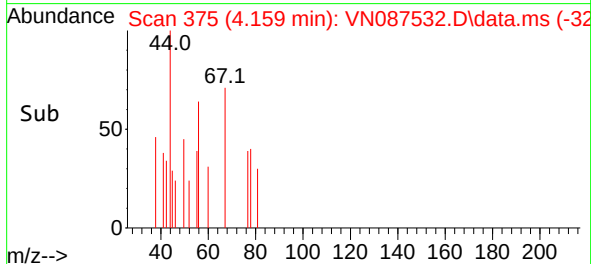
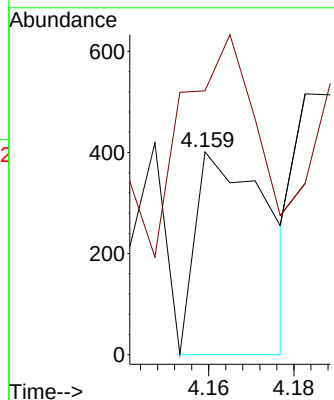


#13
Acrolein
Concen: 0.734 ug/l
RT: 4.159 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

Instrument :
MSVOA_N
ClientSampleId :

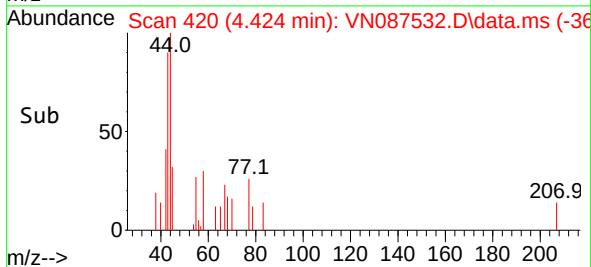
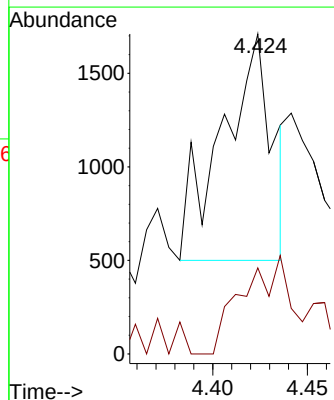
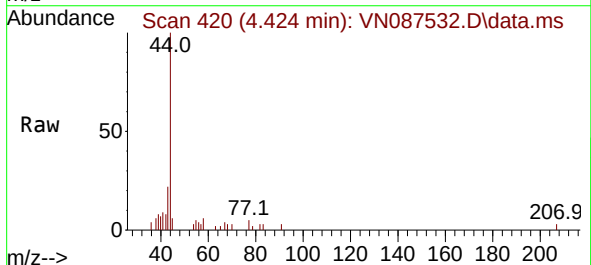


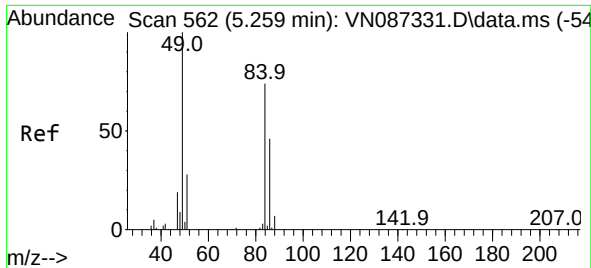
Tgt Ion: 56 Resp: 473
Ion Ratio Lower Upper
56 100
55 108.2 56.2 84.4#



#16
Acetone
Concen: 1.125 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

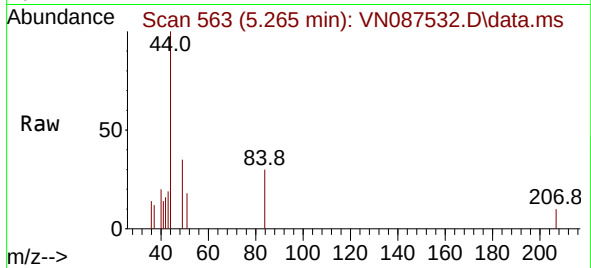
Tgt Ion: 43 Resp: 2232
Ion Ratio Lower Upper
43 100
58 23.9 22.3 33.5



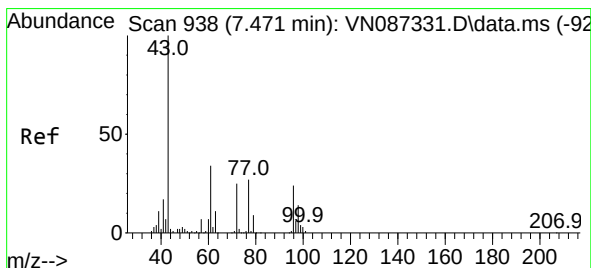
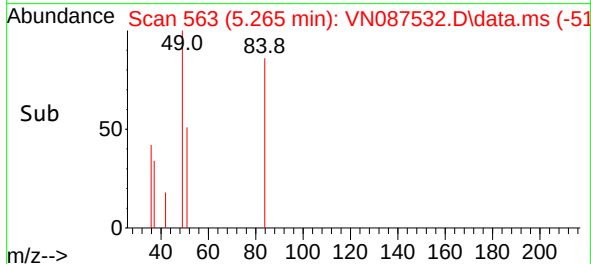
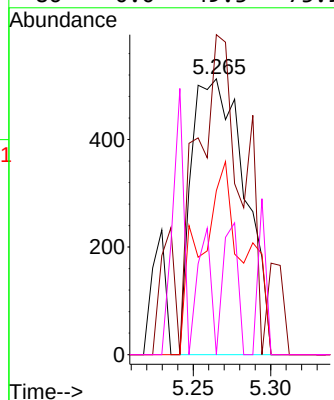


#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

Instrument :
MSVOA_N
ClientSampleId :

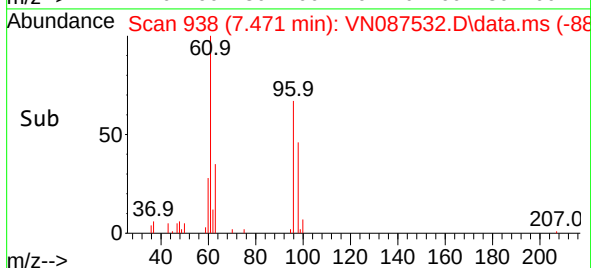
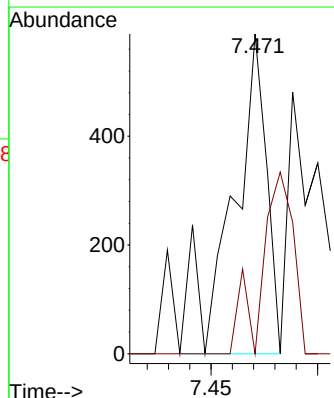
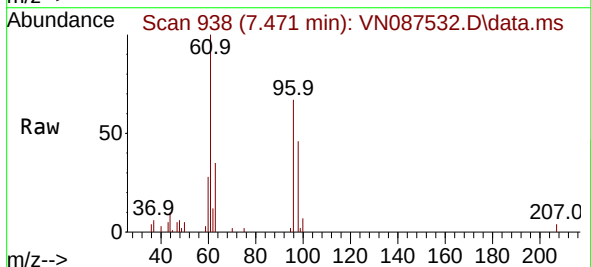


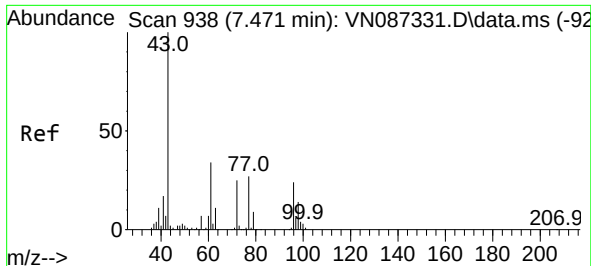
Tgt Ion: 84 Resp: 1223
Ion Ratio Lower Upper
84 100
49 116.0 107.5 161.3
51 59.5 30.2 45.2#
86 0.0 49.3 73.9#



#25
2-Butanone
Concen: 0.218 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

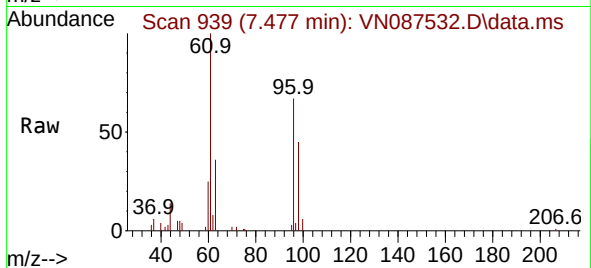
Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



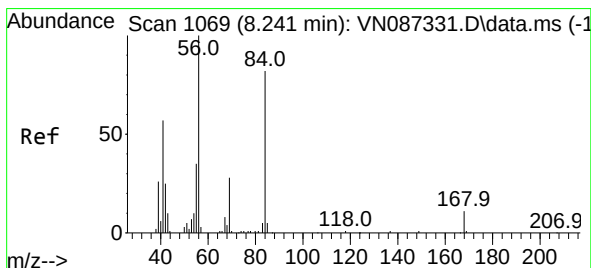
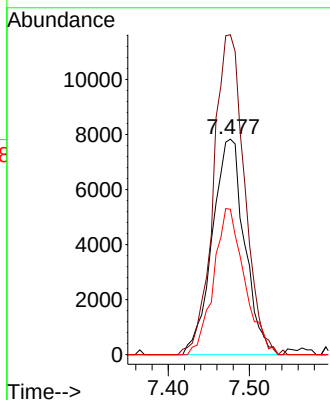
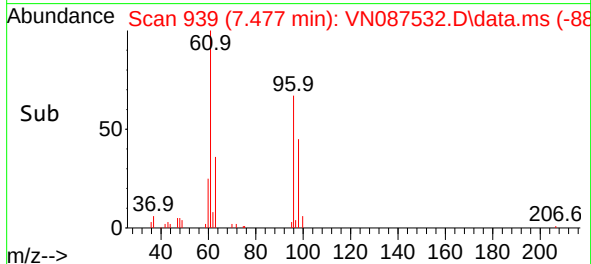


#27
 cis-1,2-Dichloroethene
 Concen: 5.856 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN087532.D
 Acq: 13 Aug 2025 14:07

Instrument :
 MSVOA_N
 ClientSampleId :

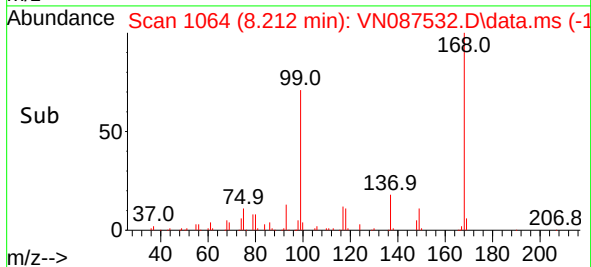
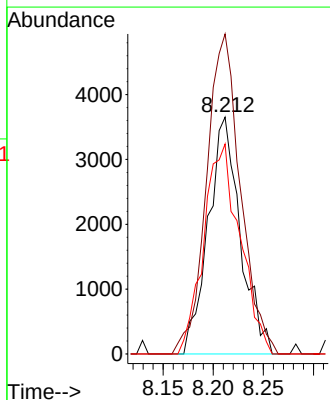
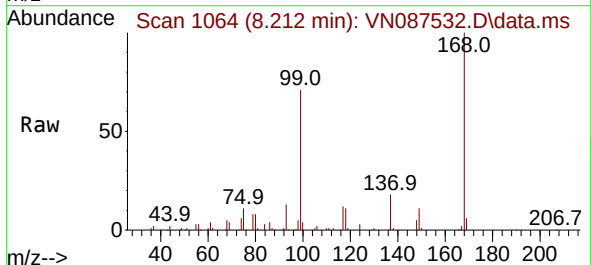


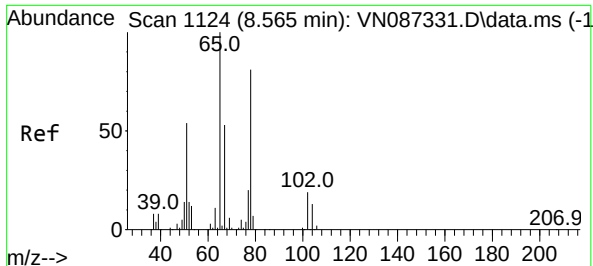
Tgt Ion:	96	Resp:	21638
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	297.8
98	64.8	0.0	132.4



#31
 Cyclohexane
 Concen: 1.565 ug/l
 RT: 8.212 min Scan# 1064
 Delta R.T. -0.029 min
 Lab File: VN087532.D
 Acq: 13 Aug 2025 14:07

Tgt Ion:	56	Resp:	8137
Ion	Ratio	Lower	Upper
56	100		
69	128.8	22.7	34.1#
84	84.5	65.8	98.6





#33

1,2-Dichloroethane-d4

Concen: 64.297 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. -0.000 min

Lab File: VN087532.D

Acq: 13 Aug 2025 14:07

Instrument :

MSVOA_N

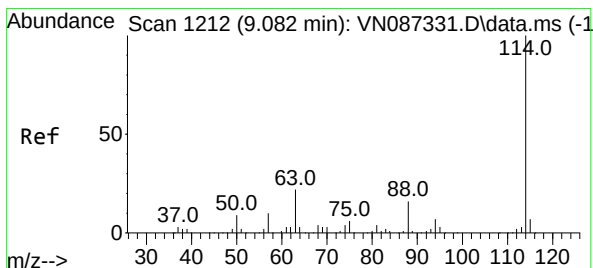
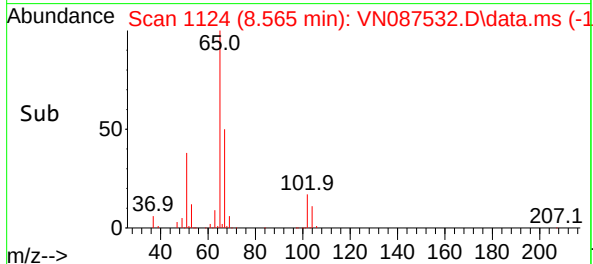
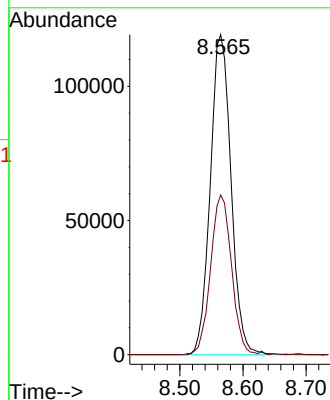
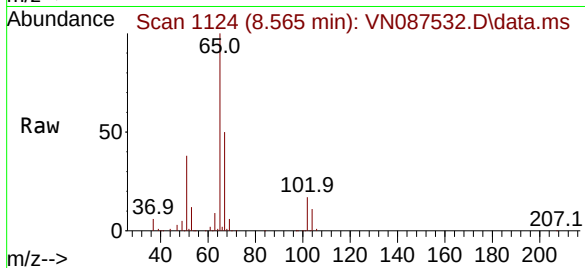
ClientSampleId :

Tgt Ion: 65 Resp: 271979

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VN087532.D

Acq: 13 Aug 2025 14:07

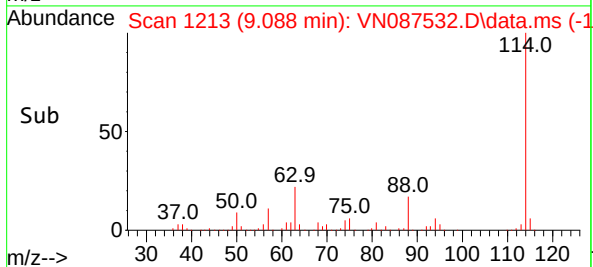
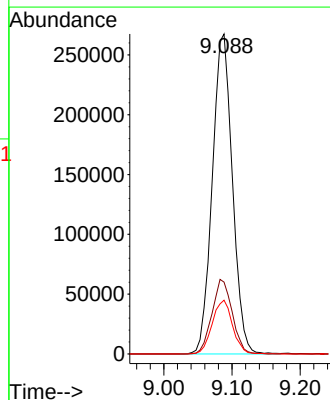
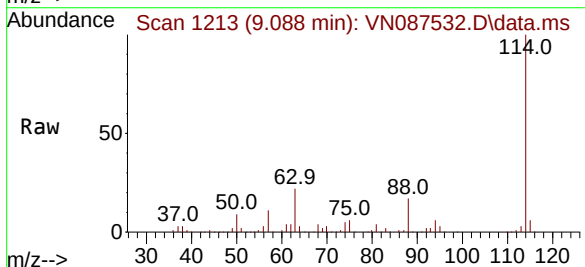
Tgt Ion: 114 Resp: 549507

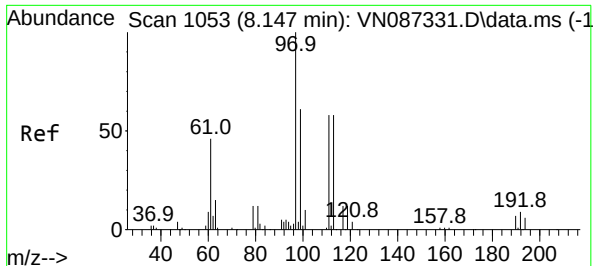
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 16.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.704 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087532.D

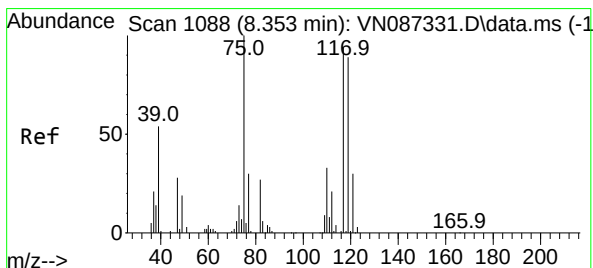
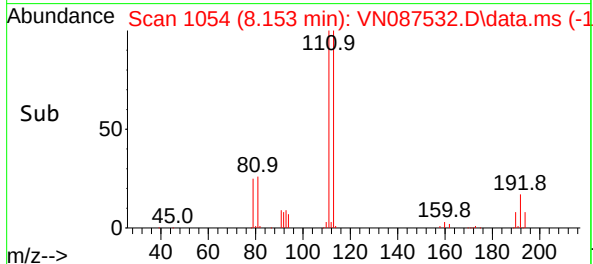
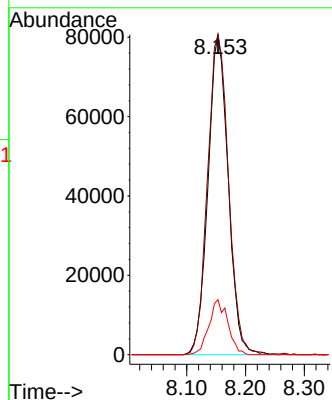
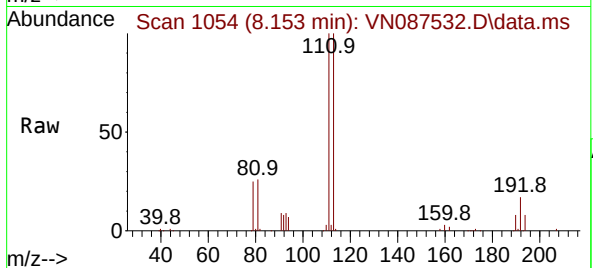
Acq: 13 Aug 2025 14:07

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:113	Resp:	192193
Ion	Ratio	Lower Upper
113	100	
111	103.8	82.5 123.7
192	16.1	13.7 20.5



#36

1,1-Dichloropropene

Concen: 5.326 ug/l

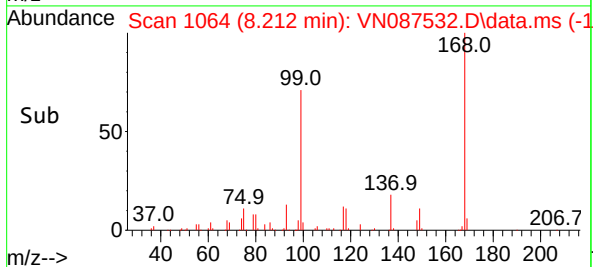
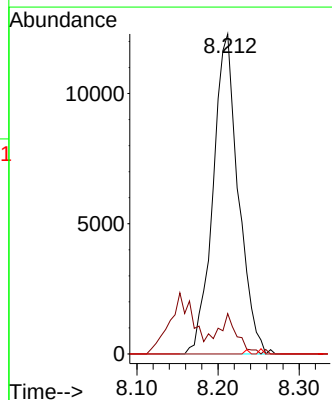
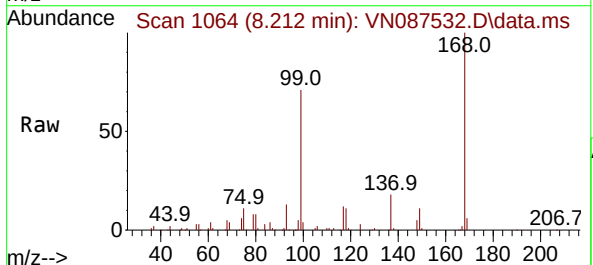
RT: 8.212 min Scan# 1064

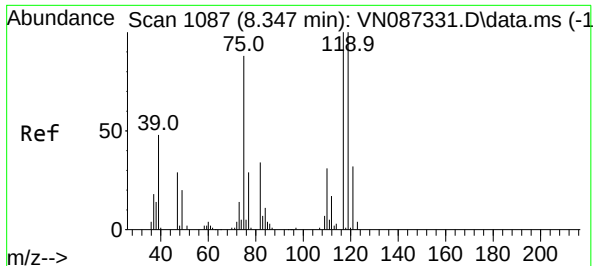
Delta R.T. -0.141 min

Lab File: VN087532.D

Acq: 13 Aug 2025 14:07

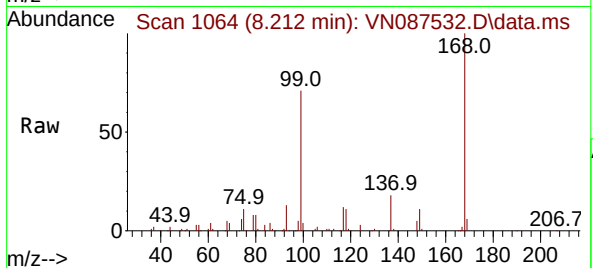
Tgt Ion: 75	Resp:	26671
Ion	Ratio	Lower Upper
75	100	
110	8.3	16.7 50.1#
77	0.0	25.2 37.8#



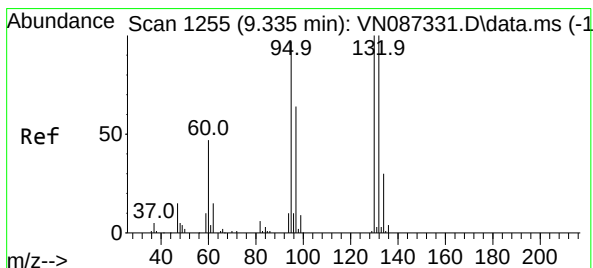
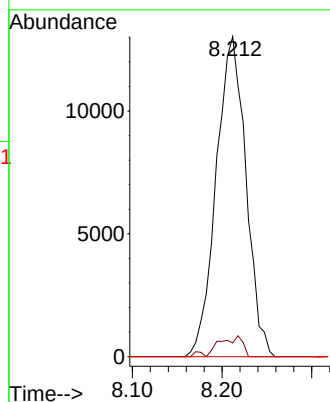
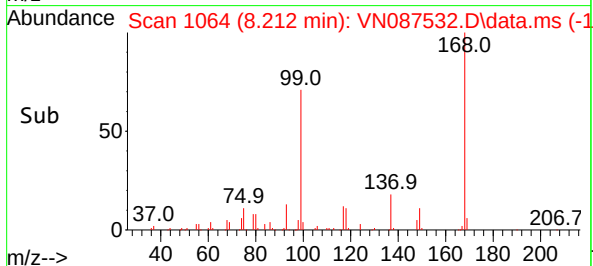


#38
Carbon Tetrachloride
Concen: 5.442 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

Instrument :
MSVOA_N
ClientSampleId :

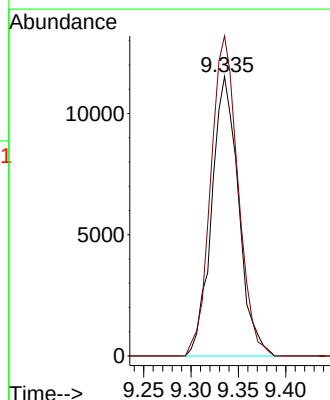
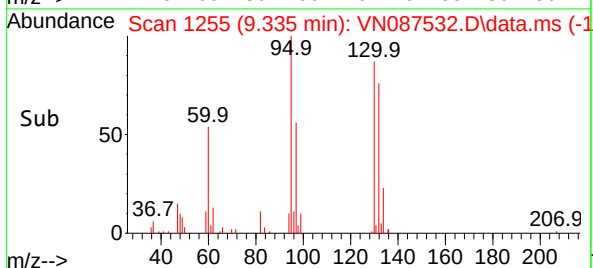
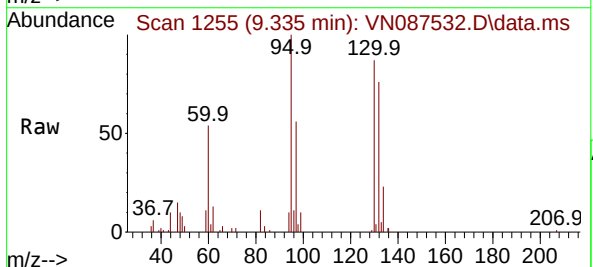


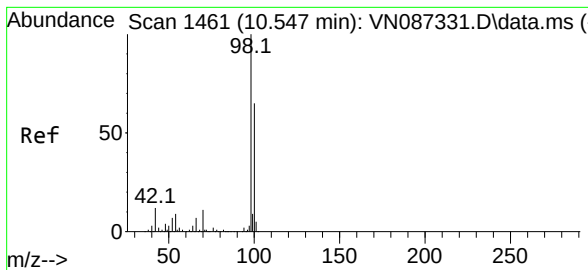
Tgt Ion:117 Resp: 30022
Ion Ratio Lower Upper
117 100
119 4.3 80.2 120.2#
121 0.0 25.4 38.2#



#44
Trichloroethene
Concen: 5.967 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

Tgt Ion:130 Resp: 22821
Ion Ratio Lower Upper
130 100
95 114.5 0.0 195.2

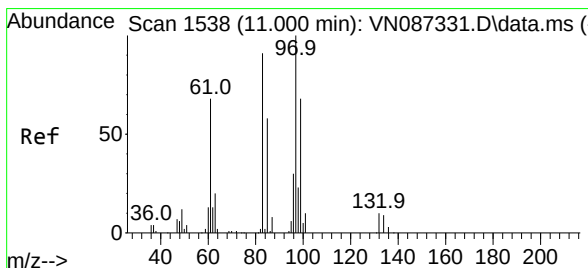
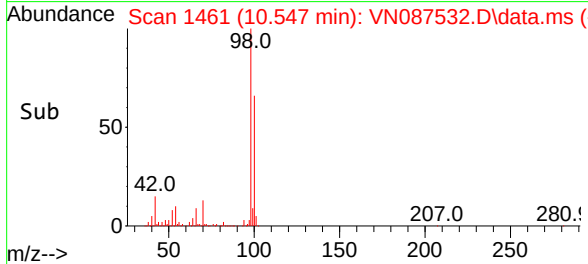
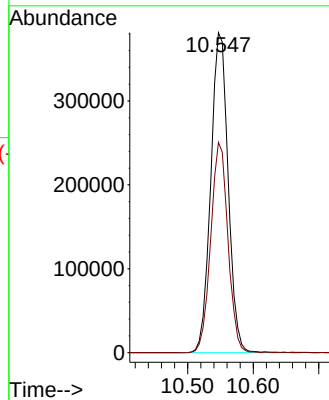
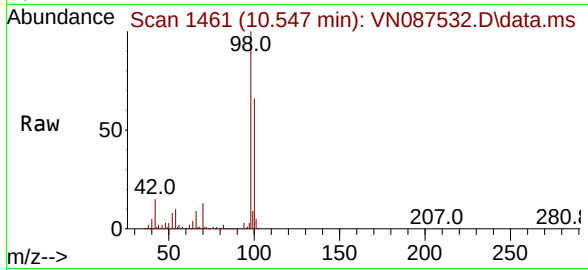




#50
Toluene-d8
Concen: 51.980 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

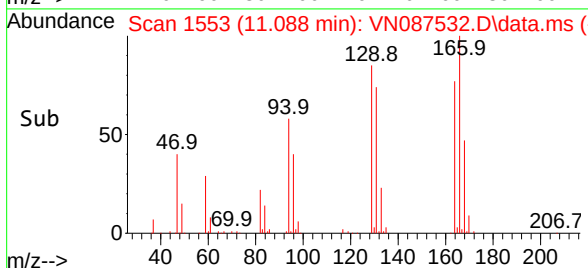
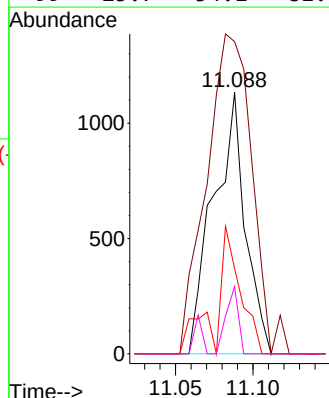
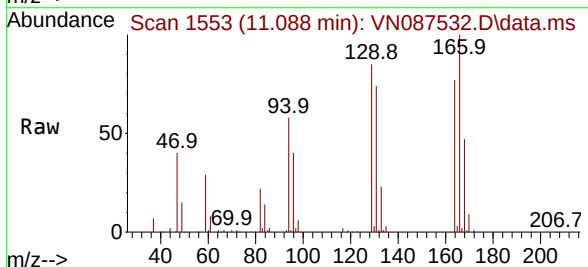
Instrument :
MSVOA_N
ClientSampleId :

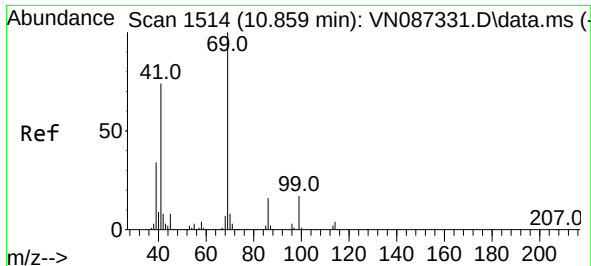
Tgt Ion: 98 Resp: 702828
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#55
1,1,2-Trichloroethane
Concen: 0.405 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. 0.088 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

Tgt Ion: 97 Resp: 1614
Ion Ratio Lower Upper
97 100
83 119.4 72.6 109.0#
85 32.6 46.7 70.1#
99 25.7 54.1 81.1#

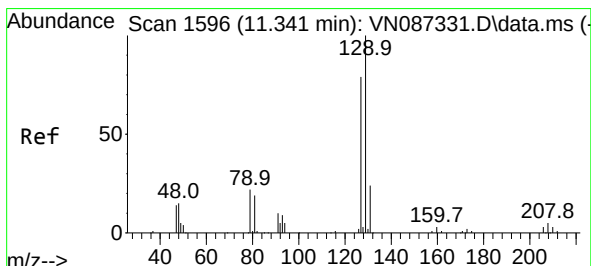
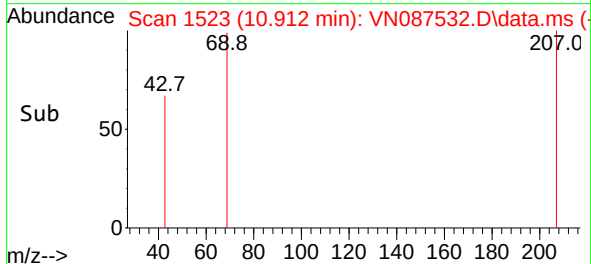
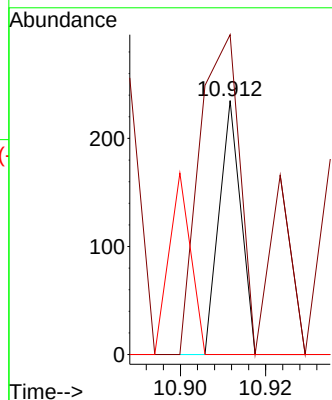
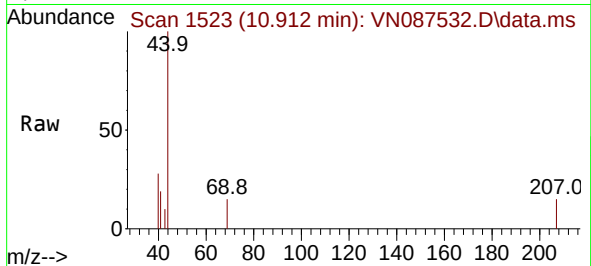




#56
Ethyl methacrylate
Concen: 0.647 ug/l
RT: 10.912 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

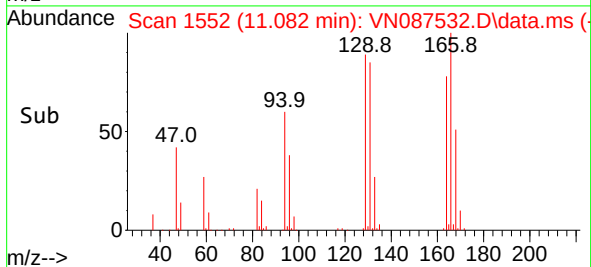
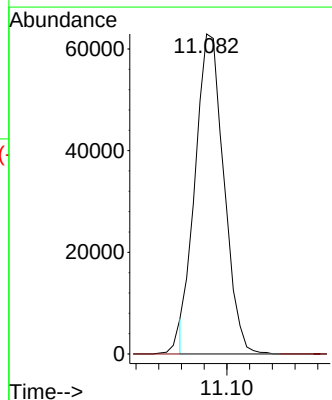
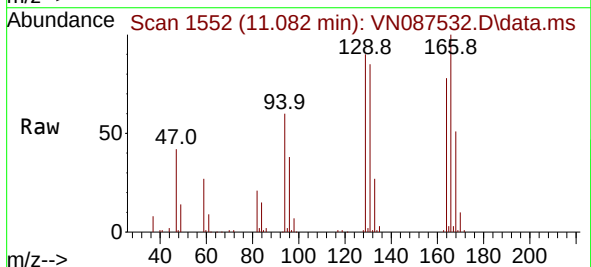
Instrument :
MSVOA_N
ClientSampleId :

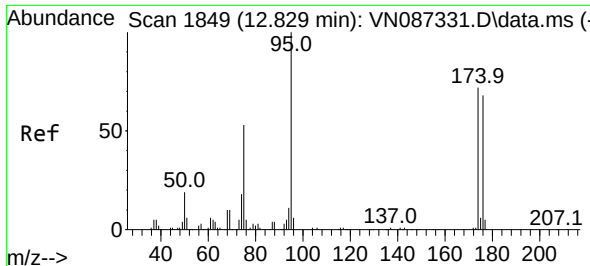
Tgt Ion: 69 Resp: 83
Ion Ratio Lower Upper
69 100
41 302.4 55.1 82.7#
39 71.1 27.9 41.9#



#60
Dibromochloromethane
Concen: 24.226 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.259 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

Tgt Ion: 129 Resp: 110041
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.5#

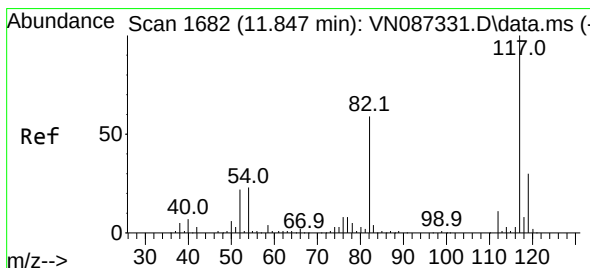
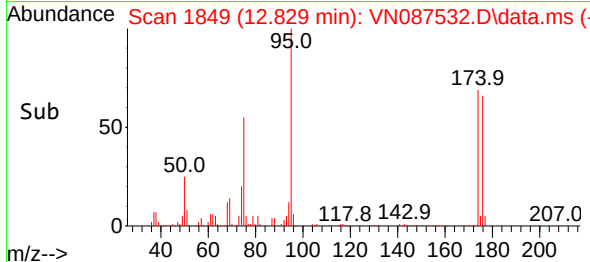
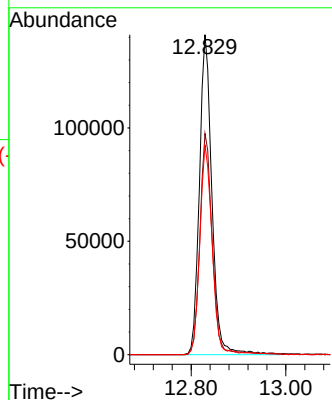
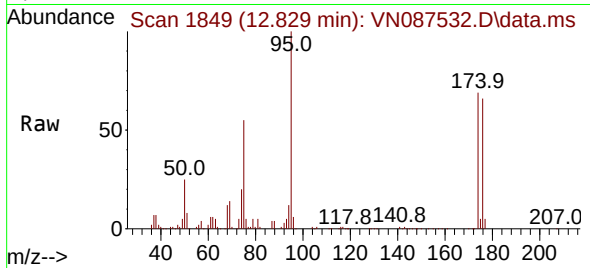




#62
4-Bromofluorobenzene
Concen: 51.693 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

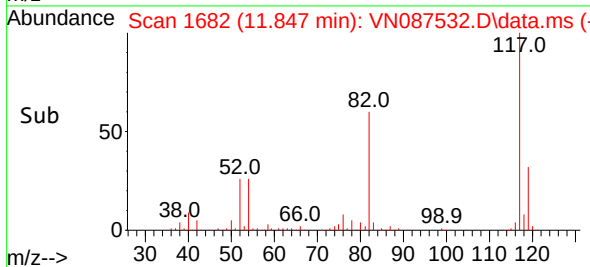
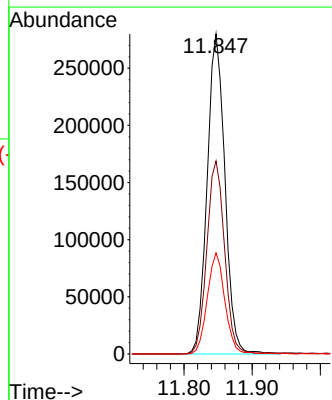
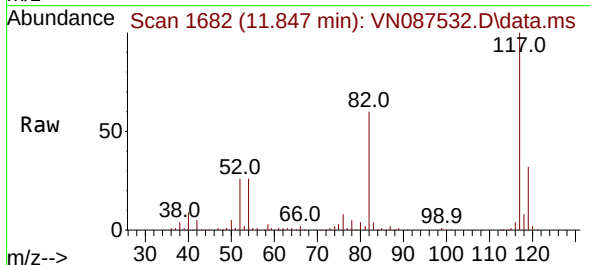
Instrument :
MSVOA_N
ClientSampleId :

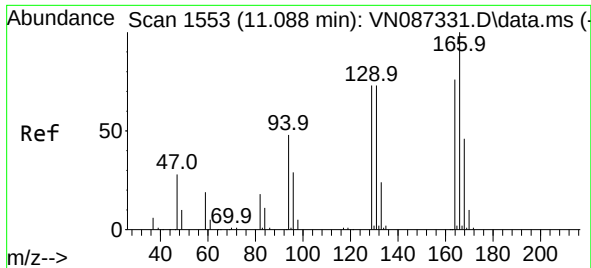
Tgt Ion: 95 Resp: 258230
Ion Ratio Lower Upper
95 100
174 67.3 0.0 149.4
176 65.2 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

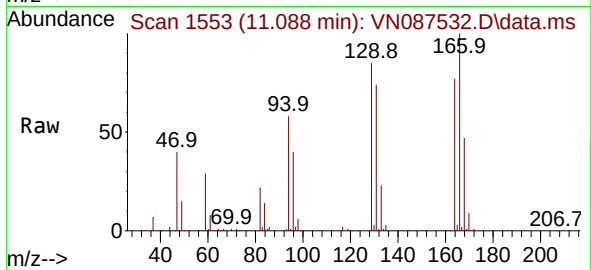
Tgt Ion: 117 Resp: 507445
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 31.6 23.8 35.8



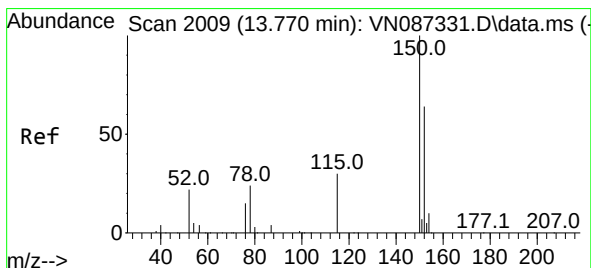
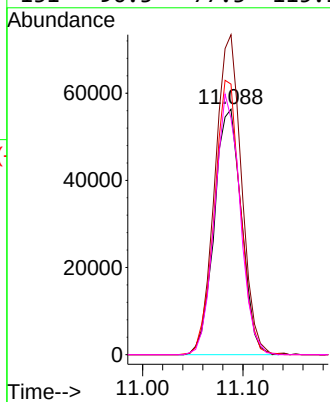
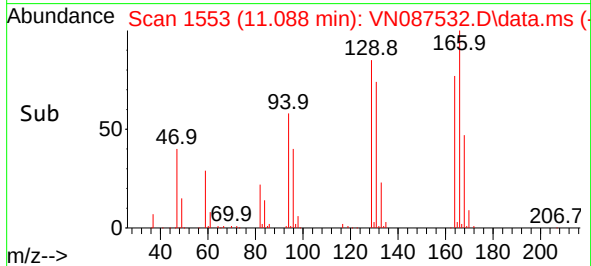


#64
Tetrachloroethene
Concen: 32.389 ug/l
RT: 11.088 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

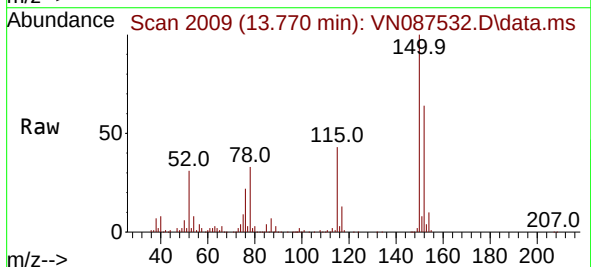
Instrument :
MSVOA_N
ClientSampleId :



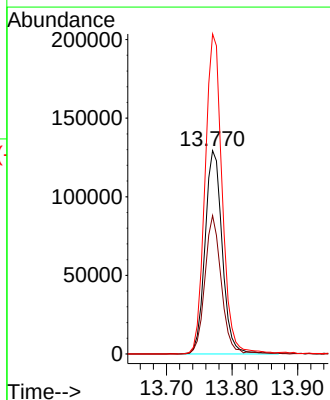
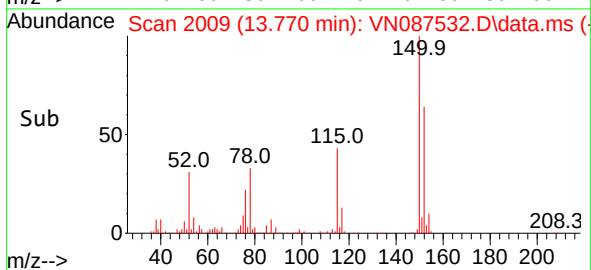
Tgt Ion:164 Resp: 105782
Ion Ratio Lower Upper
164 100
166 130.4 105.5 158.3
129 110.2 77.4 116.2
131 96.3 77.3 115.9

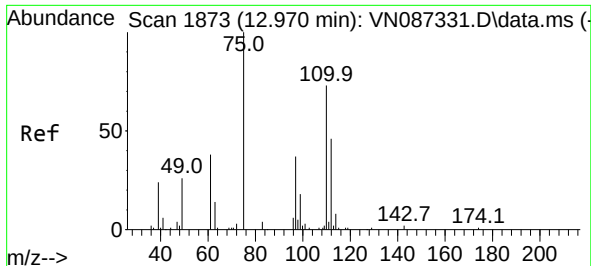


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07



Tgt Ion:152 Resp: 235933
Ion Ratio Lower Upper
152 100
115 65.2 31.1 93.5
150 156.6 0.0 349.0

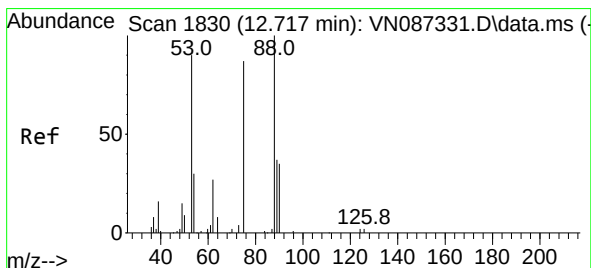
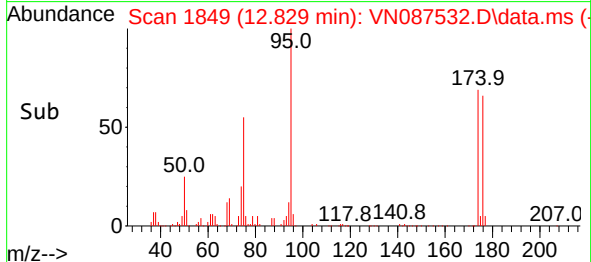
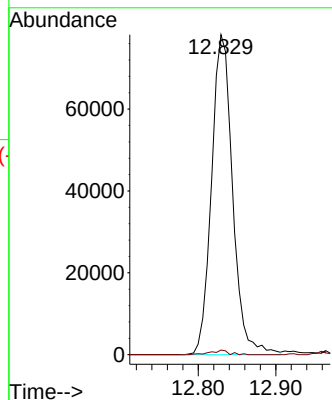
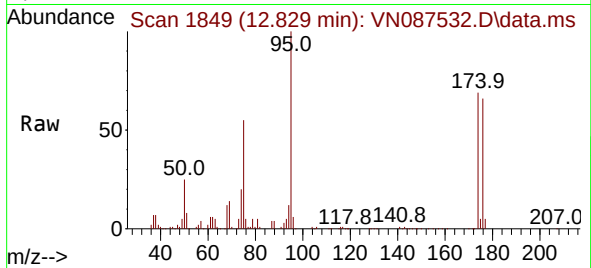




#76
1,2,3-Trichloropropane
Concen: 27.949 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 147869
Ion Ratio Lower Upper
75 100
77 1.2 94.5 283.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.474 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087532.D
Acq: 13 Aug 2025 14:07

Tgt Ion: 75 Resp: 147869
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.0 38.4 57.6#

