

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086427.D
 Acq On : 30 Apr 2025 11:15
 Operator : JC\MD
 Sample : VN0430WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBL01

Quant Time: May 01 01:32:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	168139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	316611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114129	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118438	48.577	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.160%
35) Dibromofluoromethane	8.165	113	86056	58.564	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	117.120%
50) Toluene-d8	10.565	98	410088	52.218	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.440%
62) 4-Bromofluorobenzene	12.847	95	139992	48.872	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.740%

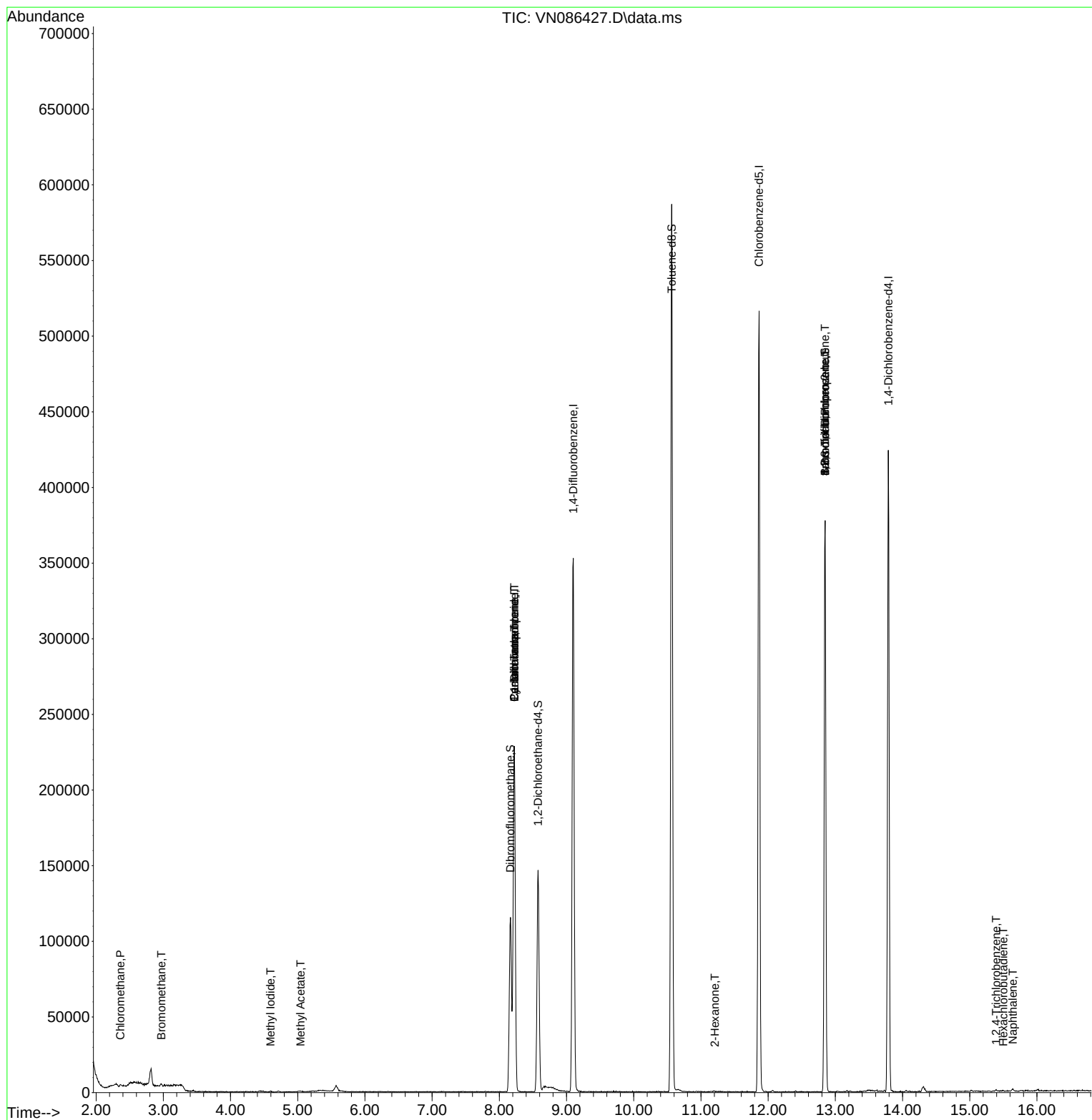
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	1015	0.350	ug/l	99
5) Bromomethane	2.971	94	615	0.495	ug/l	85
10) Methyl Iodide	4.595	142	566	0.278	ug/l #	42
13) Acrolein	4.189	56	54	Below Cal	#	13
16) Acetone	4.430	43	713	Below Cal	#	43
18) Methyl Acetate	5.042	43	1112	0.380	ug/l #	51
31) Cyclohexane	8.224	56	3969	1.004	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14257	4.858	ug/l #	49
38) Carbon Tetrachloride	8.224	117	17397	6.224	ug/l #	16
43) Isopropyl Acetate	8.671	43	2529	Below Cal	#	55
59) 2-Hexanone	11.206	43	547	0.233	ug/l #	41
71) Bromoform	12.847	173	742	0.450	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	72325	26.854	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72325	64.493	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.394	180	434	0.240	ug/l #	71
94) Hexachlorobutadiene	15.500	225	296	0.434	ug/l #	29
95) Naphthalene	15.641	128	1901	0.297	ug/l #	81

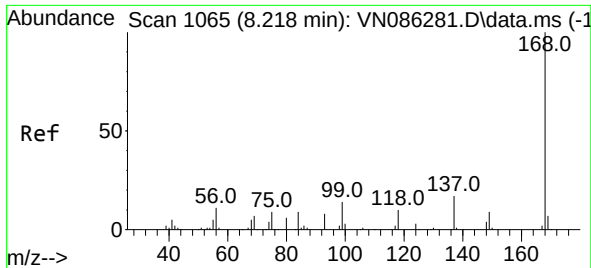
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 01 01:32:56 2025
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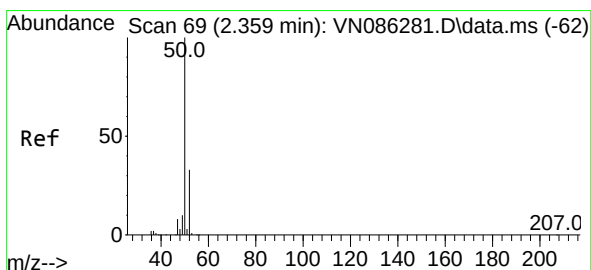
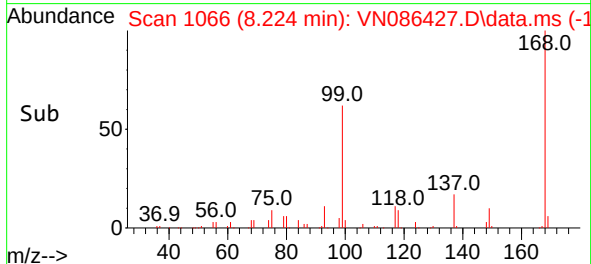
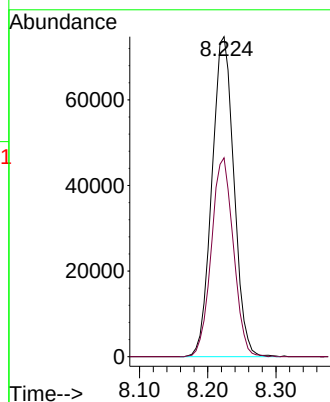
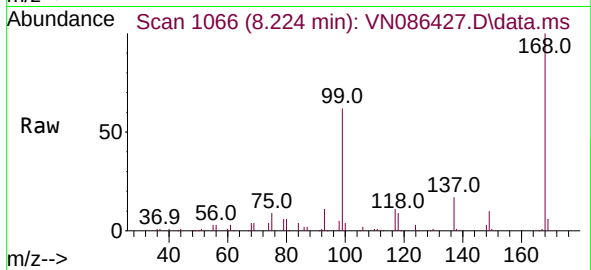




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

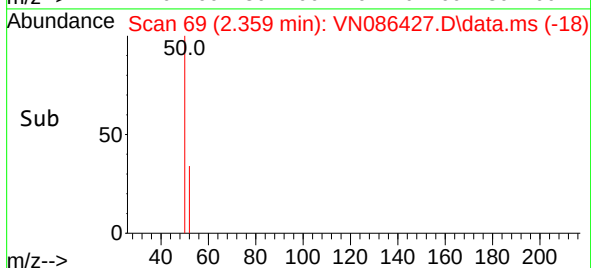
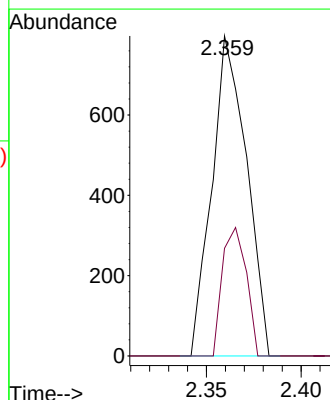
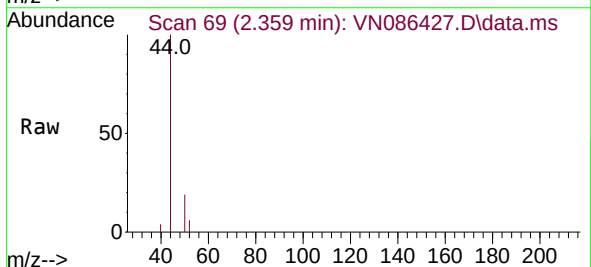
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBL01

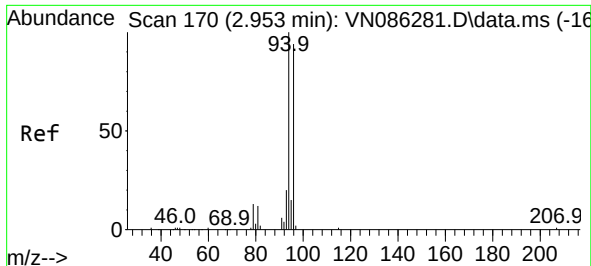
Tgt Ion:168 Resp: 168139
Ion Ratio Lower Upper
168 100
99 62.2 52.5 78.7



#3
Chloromethane
Concen: 0.350 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

Tgt Ion: 50 Resp: 1015
Ion Ratio Lower Upper
50 100
52 33.6 26.5 39.7

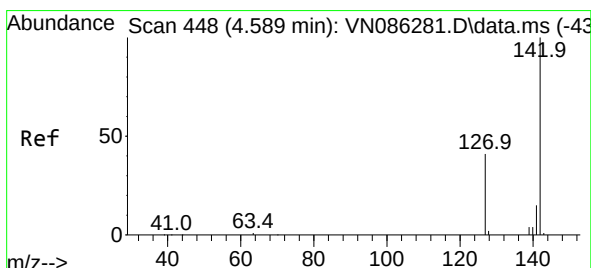
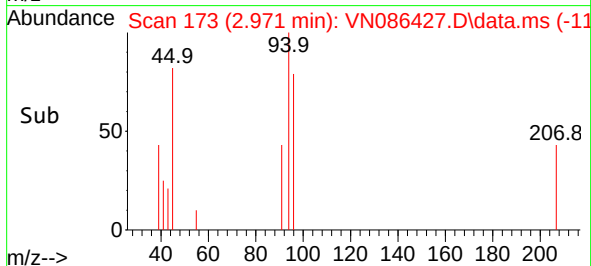
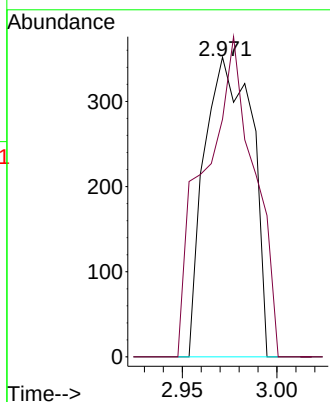
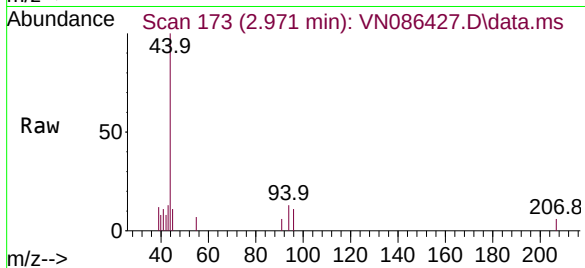




#5
Bromomethane
Concen: 0.495 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

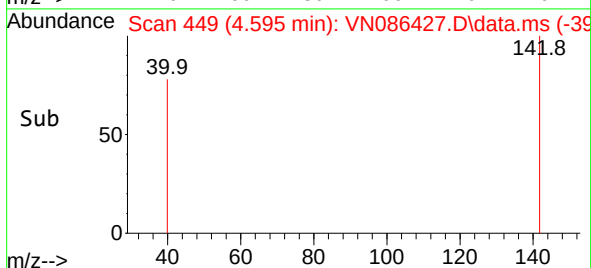
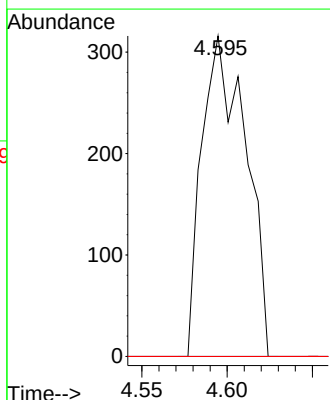
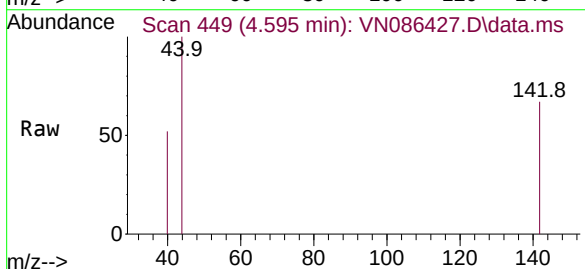
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBL01

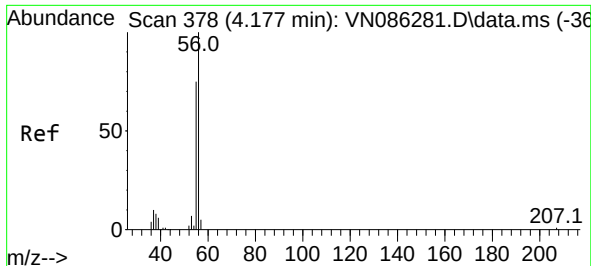
Tgt Ion: 94 Resp: 615
Ion Ratio Lower Upper
94 100
96 79.3 75.2 112.8



#10
Methyl Iodide
Concen: 0.278 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

Tgt Ion: 142 Resp: 566
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

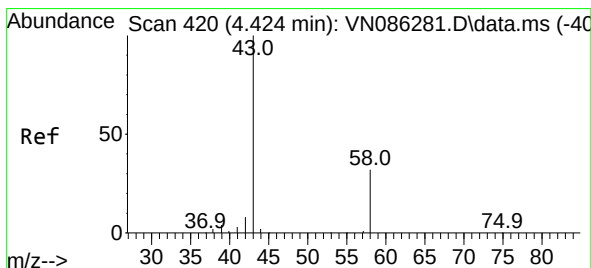
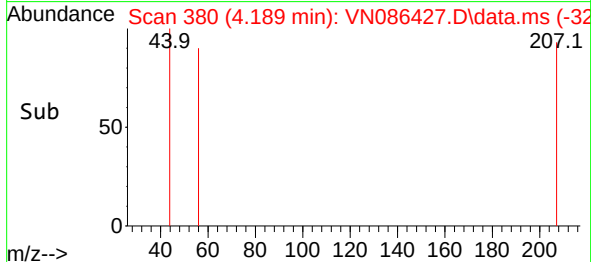
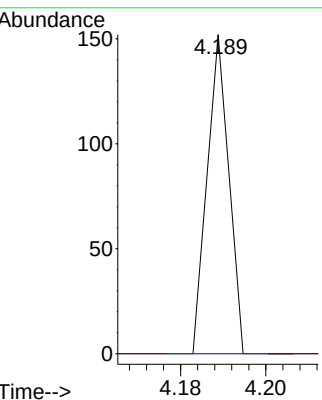
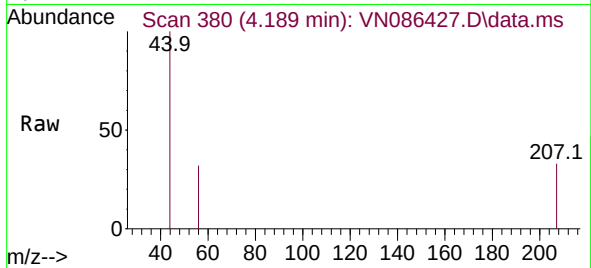




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

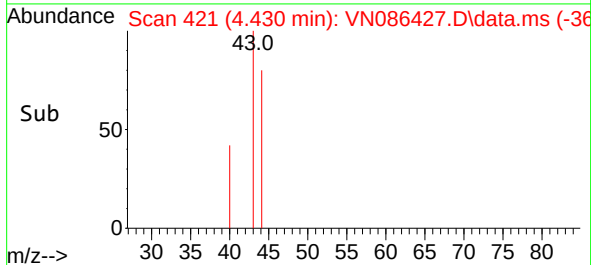
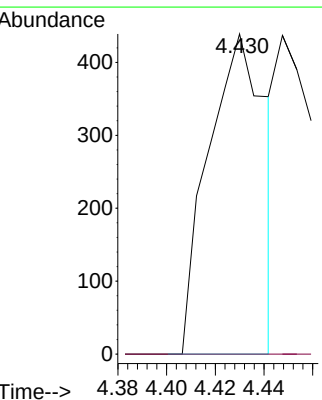
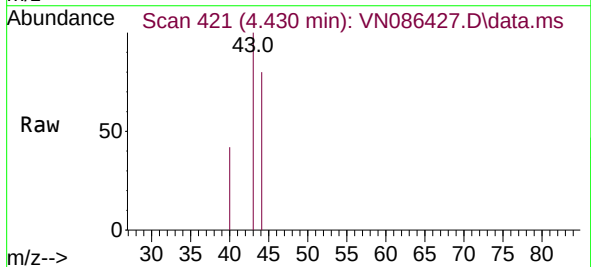
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBL01

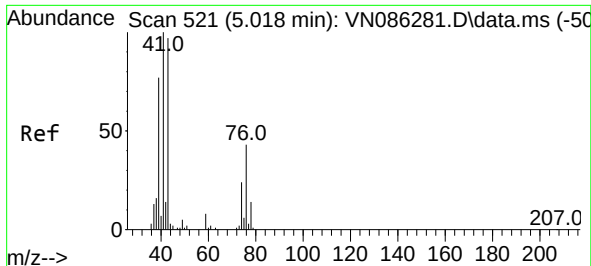
Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#



#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

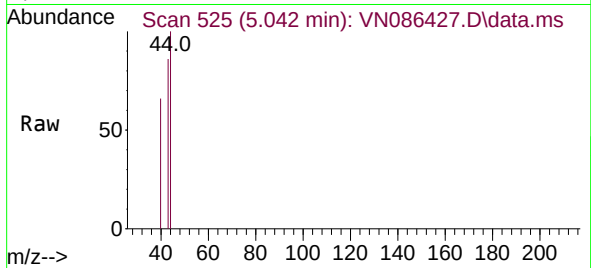
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



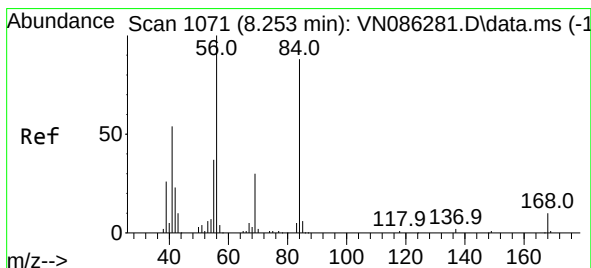
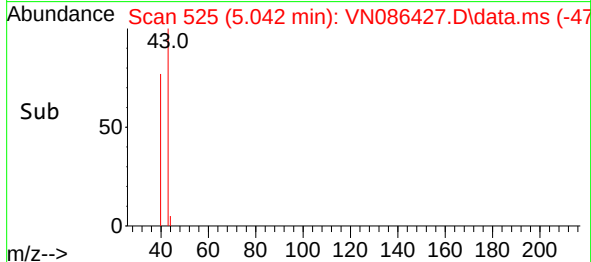
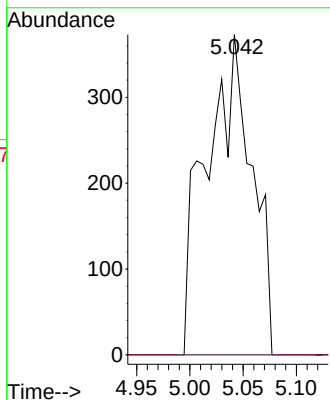


#18
Methyl Acetate
Concen: 0.380 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBL01

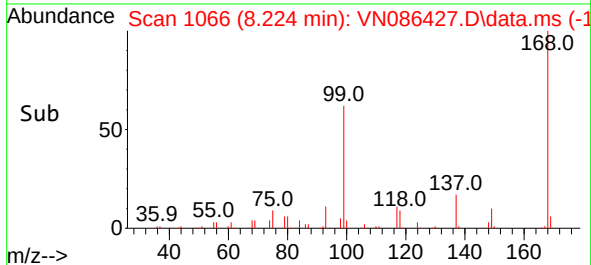
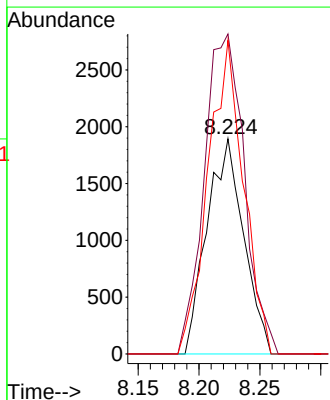
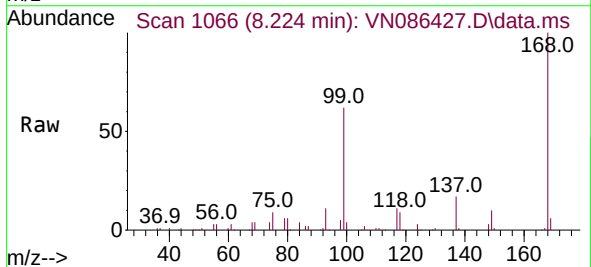


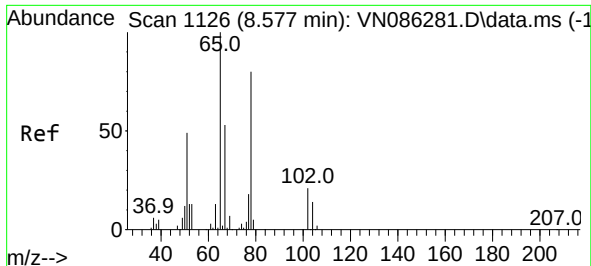
Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#31
Cyclohexane
Concen: 1.004 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

Tgt Ion: 56 Resp: 3969
Ion Ratio Lower Upper
56 100
69 148.7 24.2 36.2#
84 145.6 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 48.577 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086427.D

Acq: 30 Apr 2025 11:15

Instrument :

MSVOA_N

ClientSampleId :

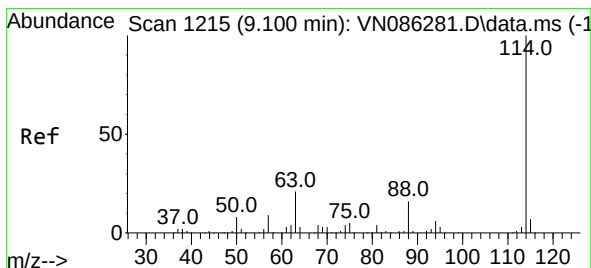
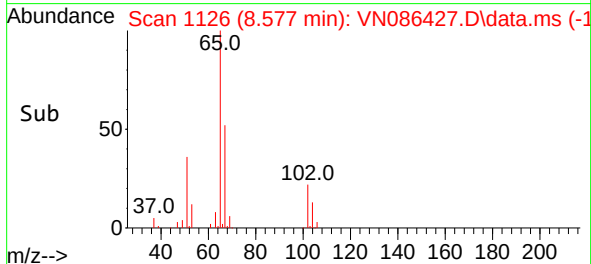
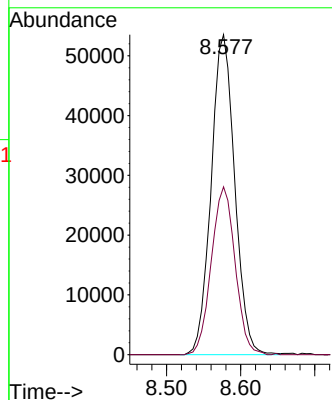
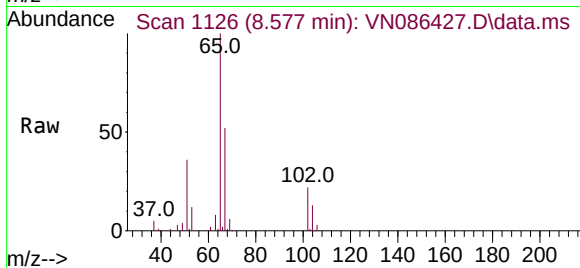
VN0430WBL01

Tgt Ion: 65 Resp: 118438

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086427.D

Acq: 30 Apr 2025 11:15

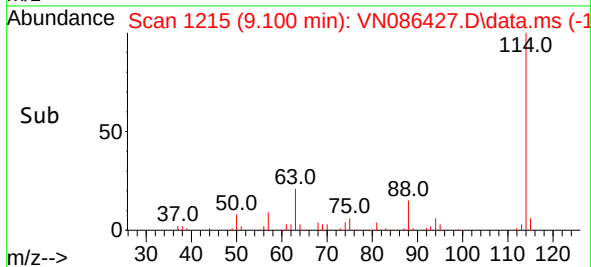
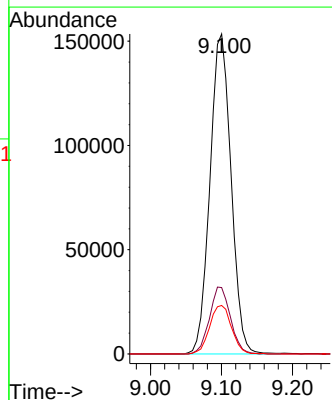
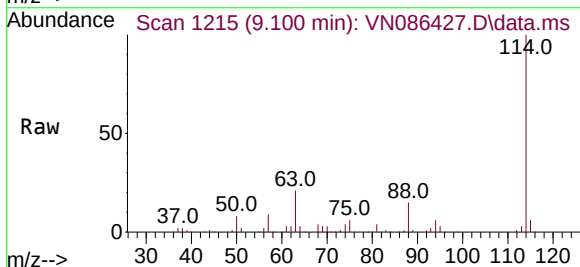
Tgt Ion: 114 Resp: 316611

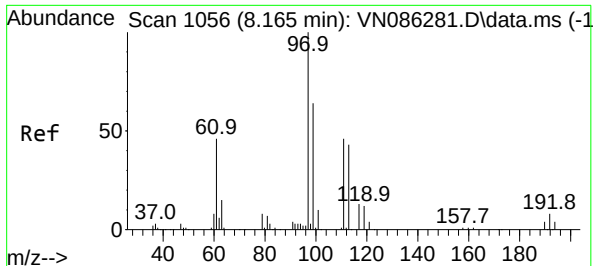
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 15.2 0.0 31.8

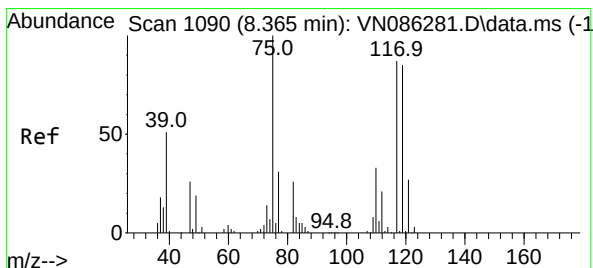
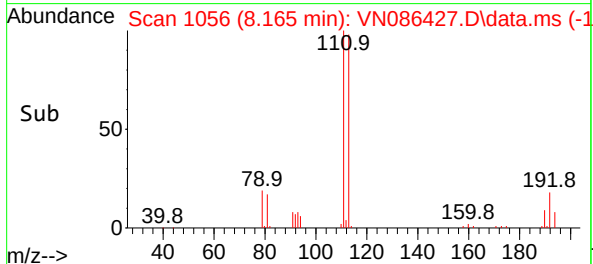
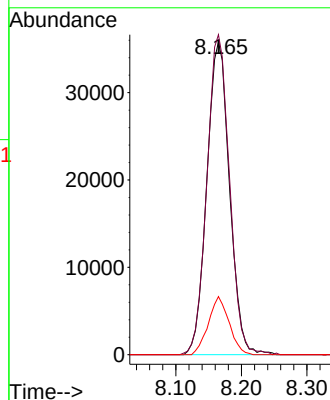
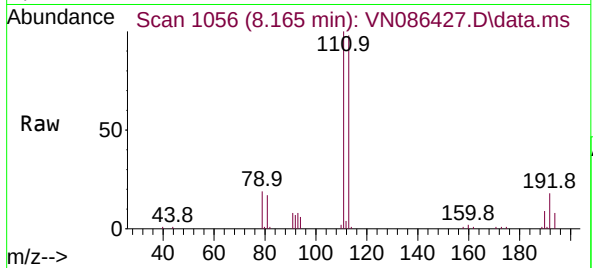




#35
Dibromofluoromethane
Concen: 58.564 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

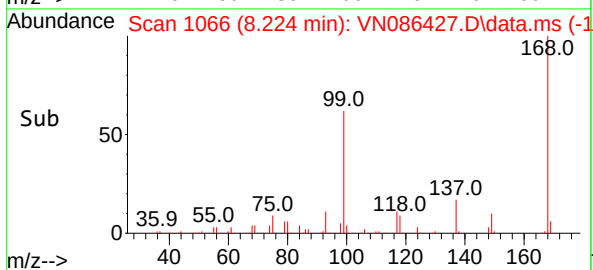
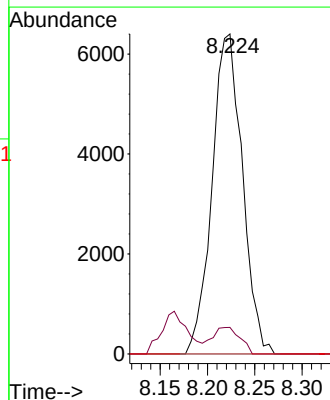
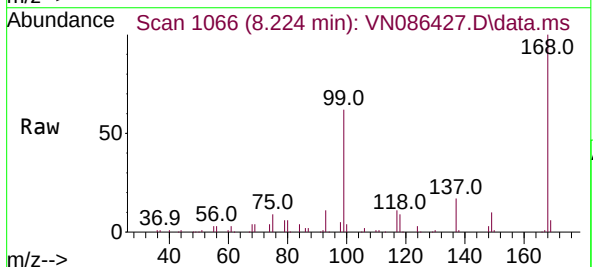
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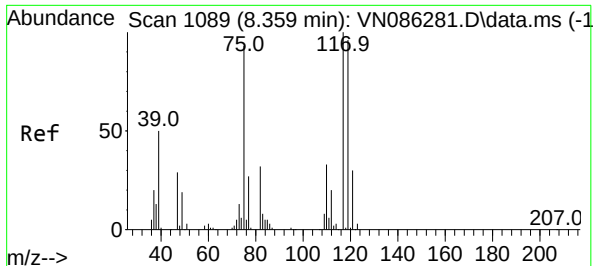
Tgt Ion:113 Resp: 86056
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.0
192 17.0 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.858 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

Tgt Ion: 75 Resp: 14257
Ion Ratio Lower Upper
75 100
110 7.6 16.8 50.4#
77 0.0 24.9 37.3#

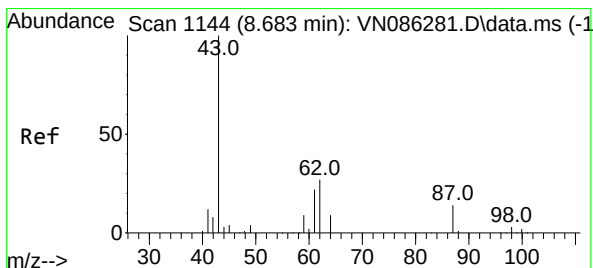
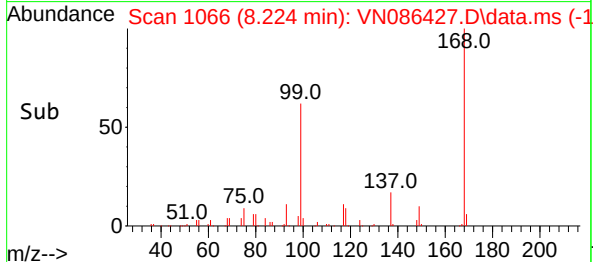
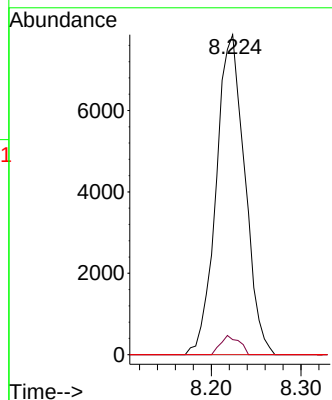
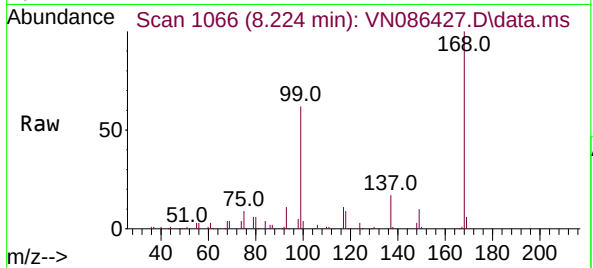




#38
Carbon Tetrachloride
Concen: 6.224 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

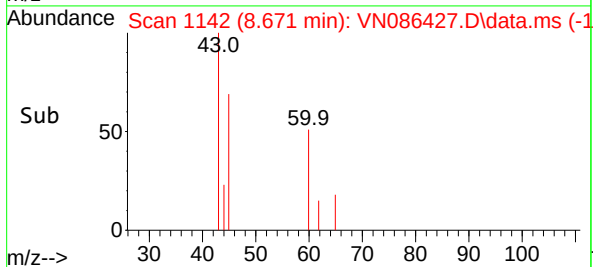
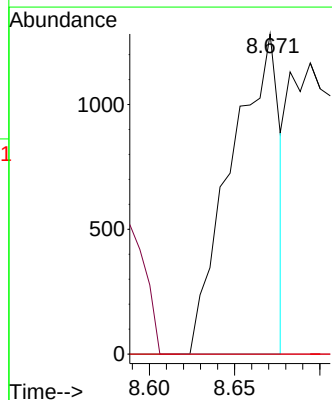
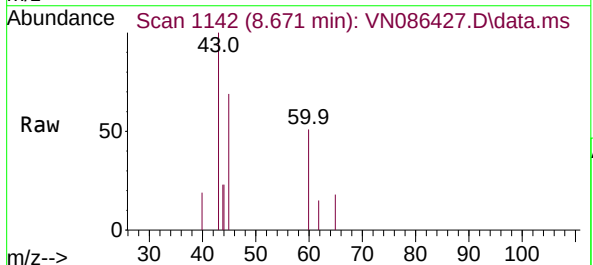
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBL01

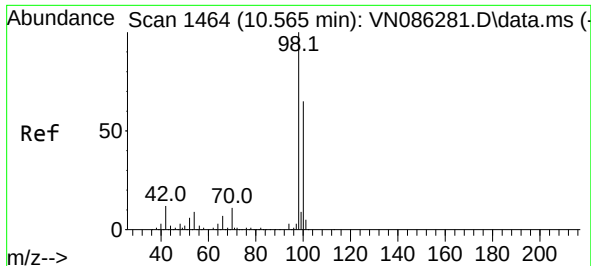
Tgt Ion:117 Resp: 17397
Ion Ratio Lower Upper
117 100
119 4.7 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.671 min Scan# 1142
Delta R.T. -0.012 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

Tgt Ion: 43 Resp: 2529
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

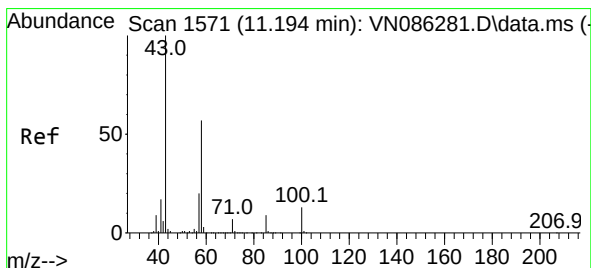
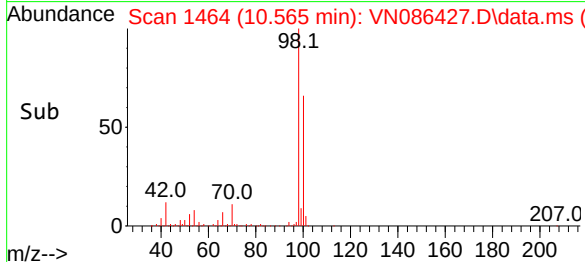
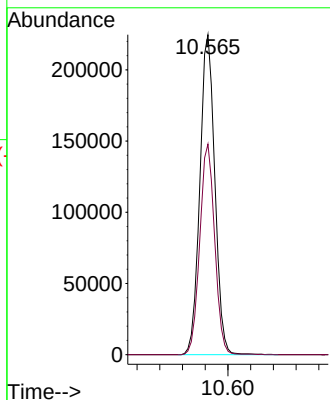
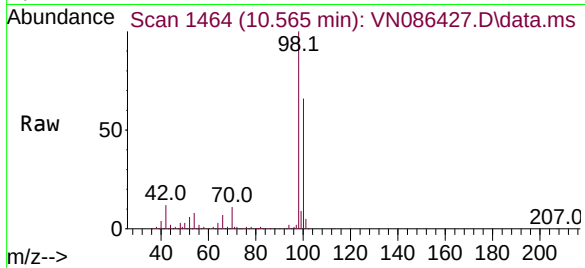




#50
Toluene-d8
Concen: 52.218 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

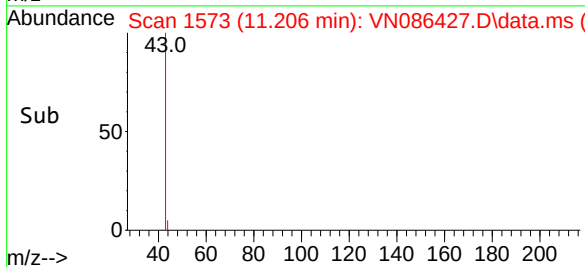
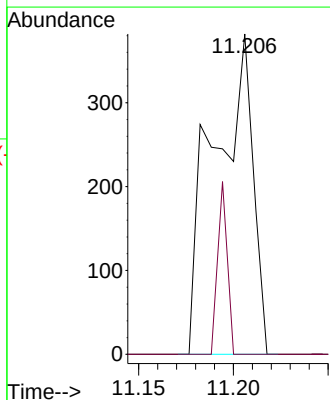
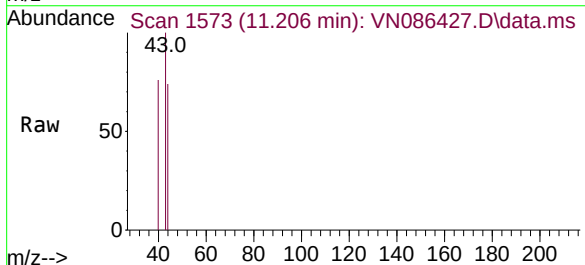
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBL01

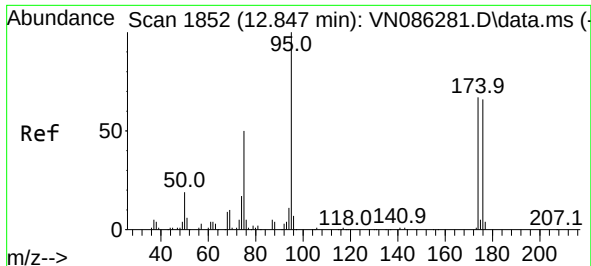
Tgt Ion: 98 Resp: 410088
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#59
2-Hexanone
Concen: 0.233 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
58 13.3 28.3 85.0#

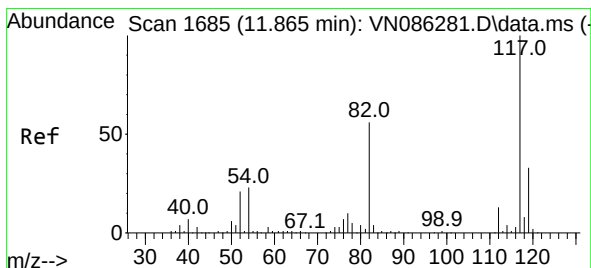
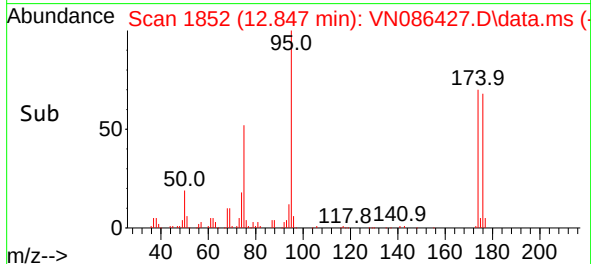
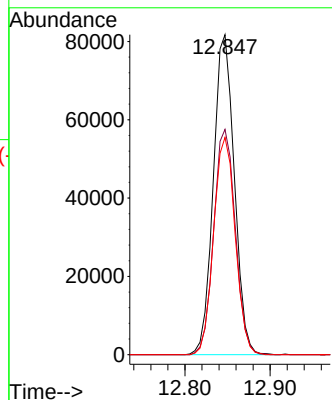
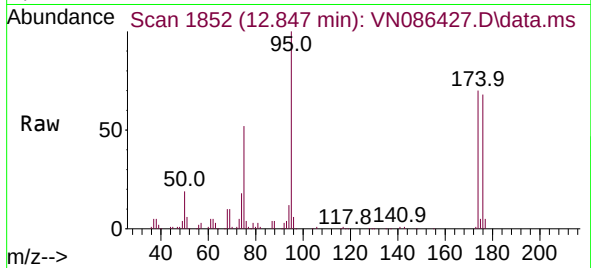




#62
4-Bromofluorobenzene
Concen: 48.872 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

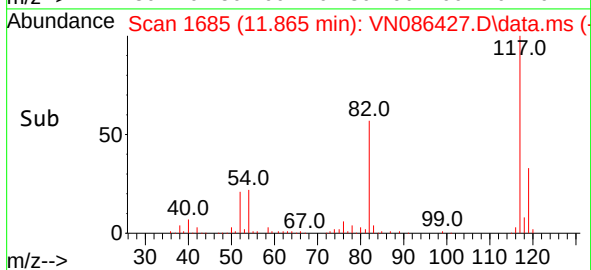
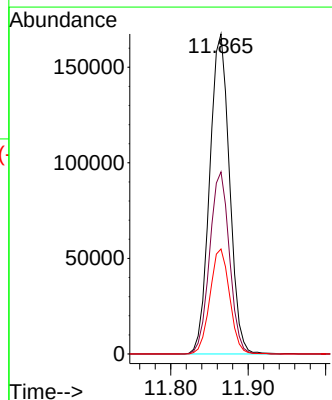
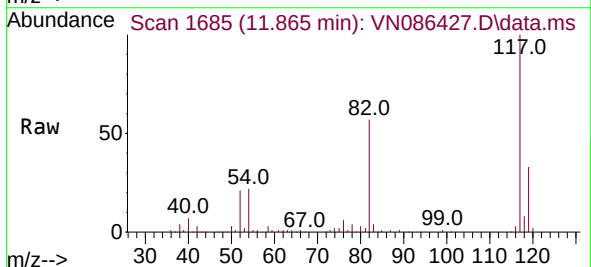
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBL01

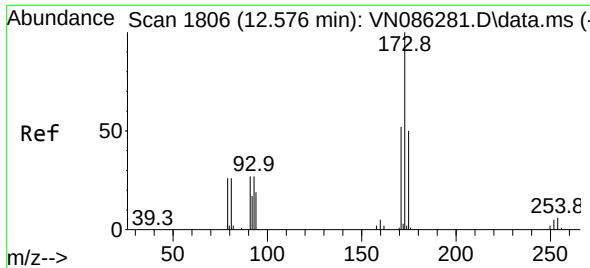
Tgt Ion: 95 Resp: 139992
Ion Ratio Lower Upper
95 100
174 72.2 0.0 133.4
176 69.6 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

Tgt Ion: 117 Resp: 297458
Ion Ratio Lower Upper
117 100
82 56.9 44.7 67.1
119 32.8 26.4 39.6

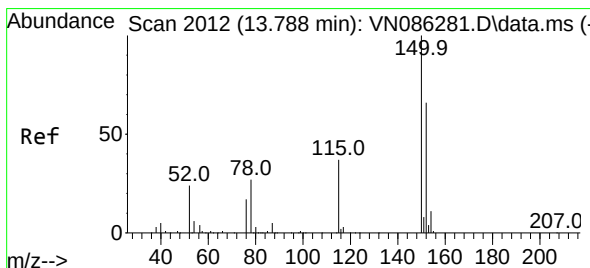
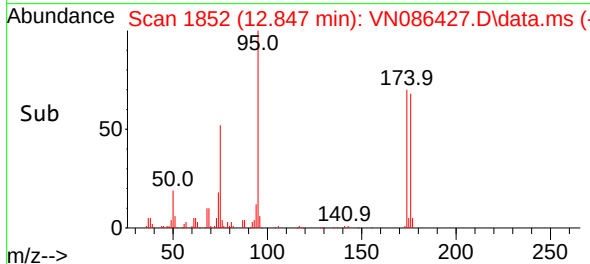
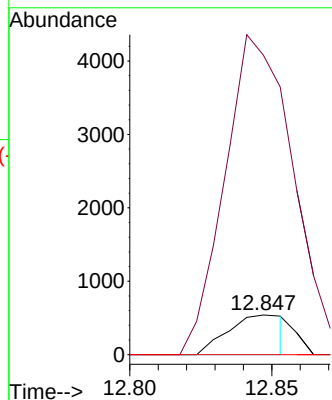
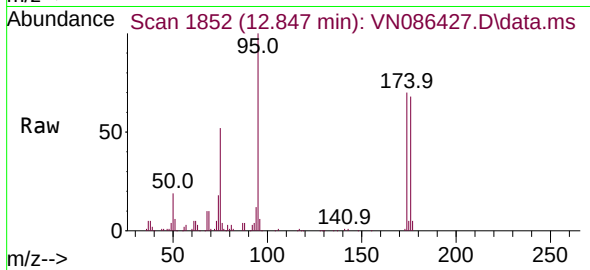




#71
Bromoform
Concen: 0.450 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

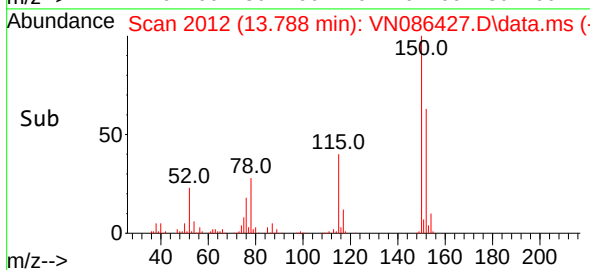
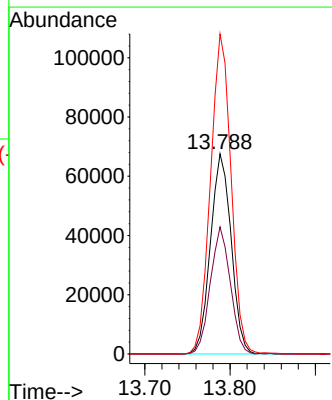
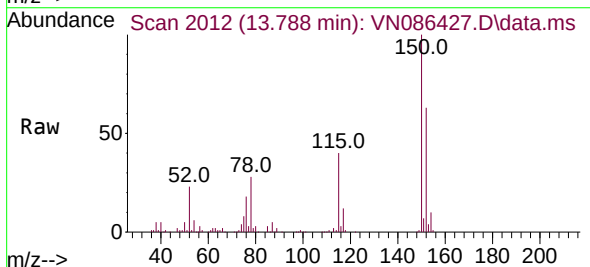
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBL01

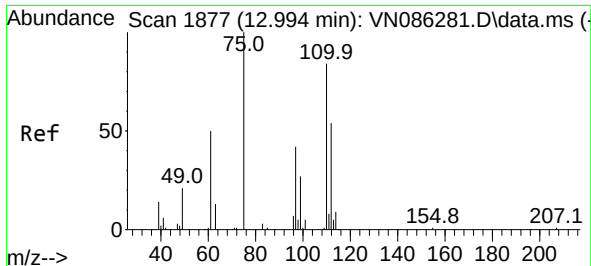
Tgt Ion:173 Resp: 742
Ion Ratio Lower Upper
173 100
175 802.2 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

Tgt Ion:152 Resp: 114129
Ion Ratio Lower Upper
152 100
115 61.2 31.9 95.9
150 158.5 0.0 352.0

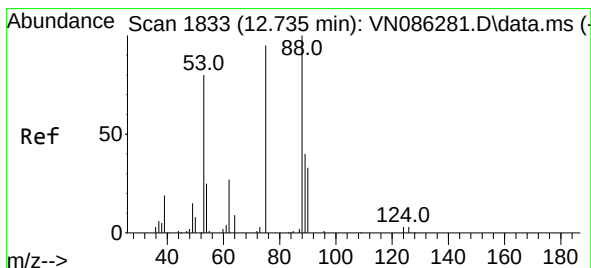
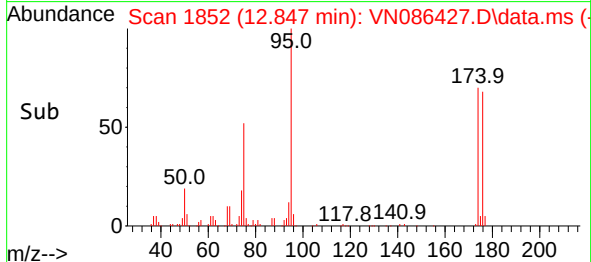
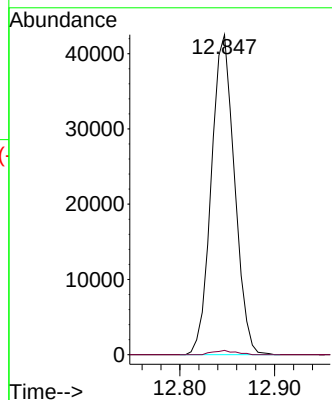
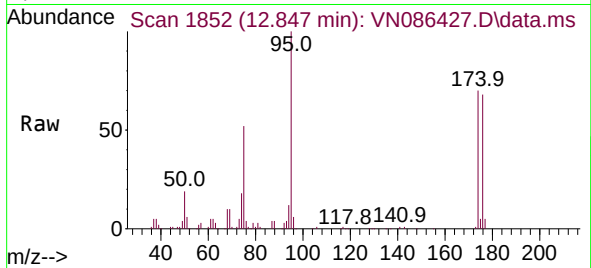




#76
1,2,3-Trichloropropane
Concen: 26.854 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

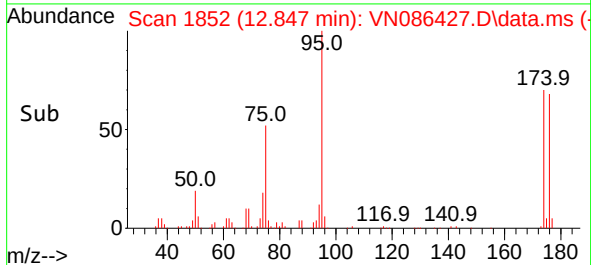
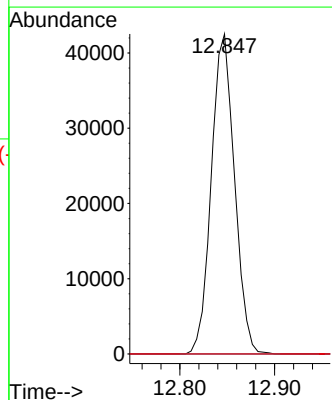
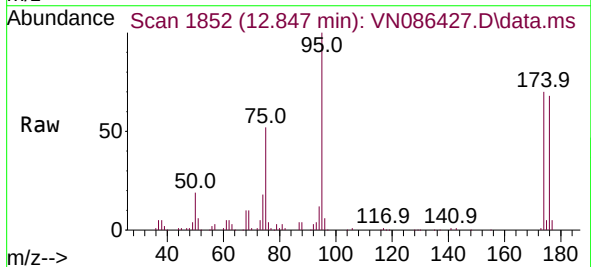
Instrument :
MSVOA_N
ClientSampleId :
VN0430WBL01

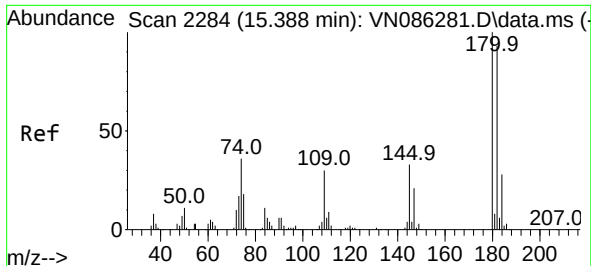
Tgt Ion: 75 Resp: 72325
Ion Ratio Lower Upper
75 100
77 1.3 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.493 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

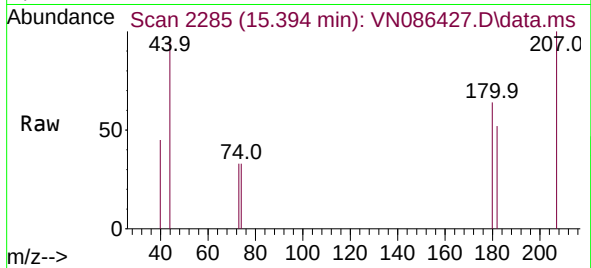
Tgt Ion: 75 Resp: 72325
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



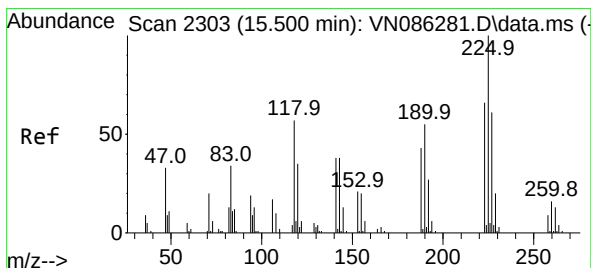
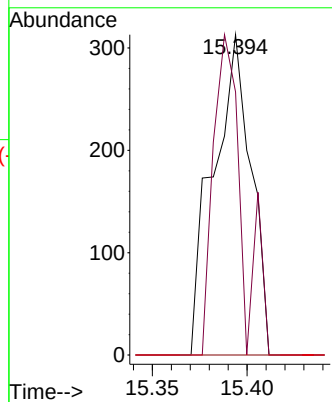
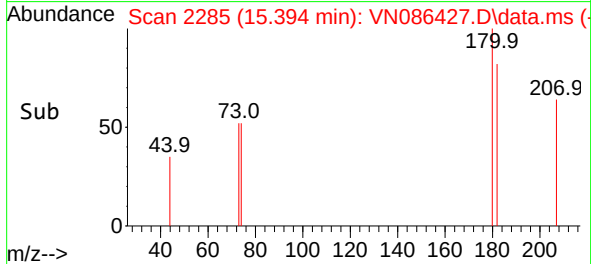


#93
 1,2,4-Trichlorobenzene
 Concen: 0.240 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN086427.D
 Acq: 30 Apr 2025 11:15

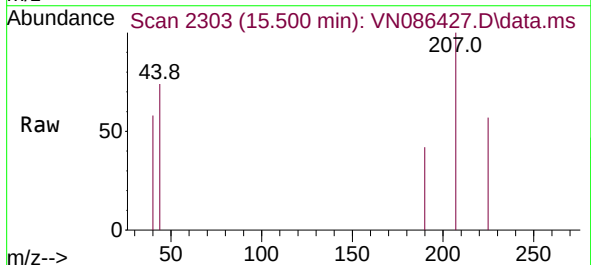
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBL01



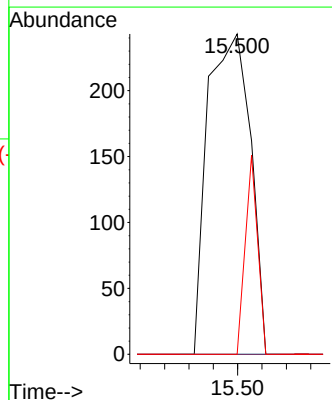
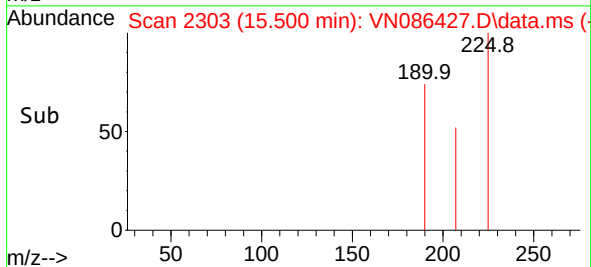
Tgt Ion:180 Resp: 434
 Ion Ratio Lower Upper
 180 100
 182 76.3 47.0 141.0
 145 0.0 16.4 49.1#

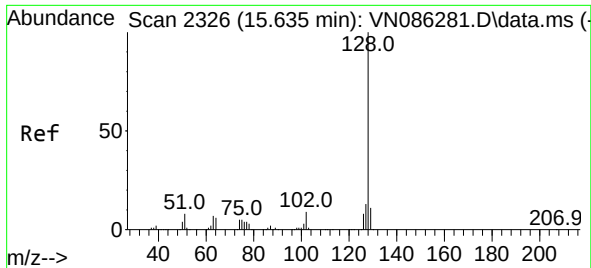


#94
 Hexachlorobutadiene
 Concen: 0.434 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: VN086427.D
 Acq: 30 Apr 2025 11:15



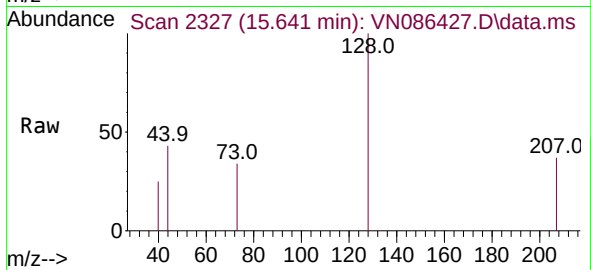
Tgt Ion:225 Resp: 296
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.8 98.3#
 227 17.9 31.4 94.0#





#95
Naphthalene
Concen: 0.297 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086427.D
Acq: 30 Apr 2025 11:15

Instrument :
MSVOA_N
ClientSampleId :
VN0430WBL01



Tgt Ion:	128	Resp:	1901
Ion	Ratio	Lower	Upper
128	100		
127	6.2	10.2	15.4#
129	2.8	8.6	13.0#

