

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087033.D
 Acq On : 16 Jun 2025 15:54
 Operator : JC\MD
 Sample : Q2299-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT174I1-20250610

Quant Time: Jun 17 07:24:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

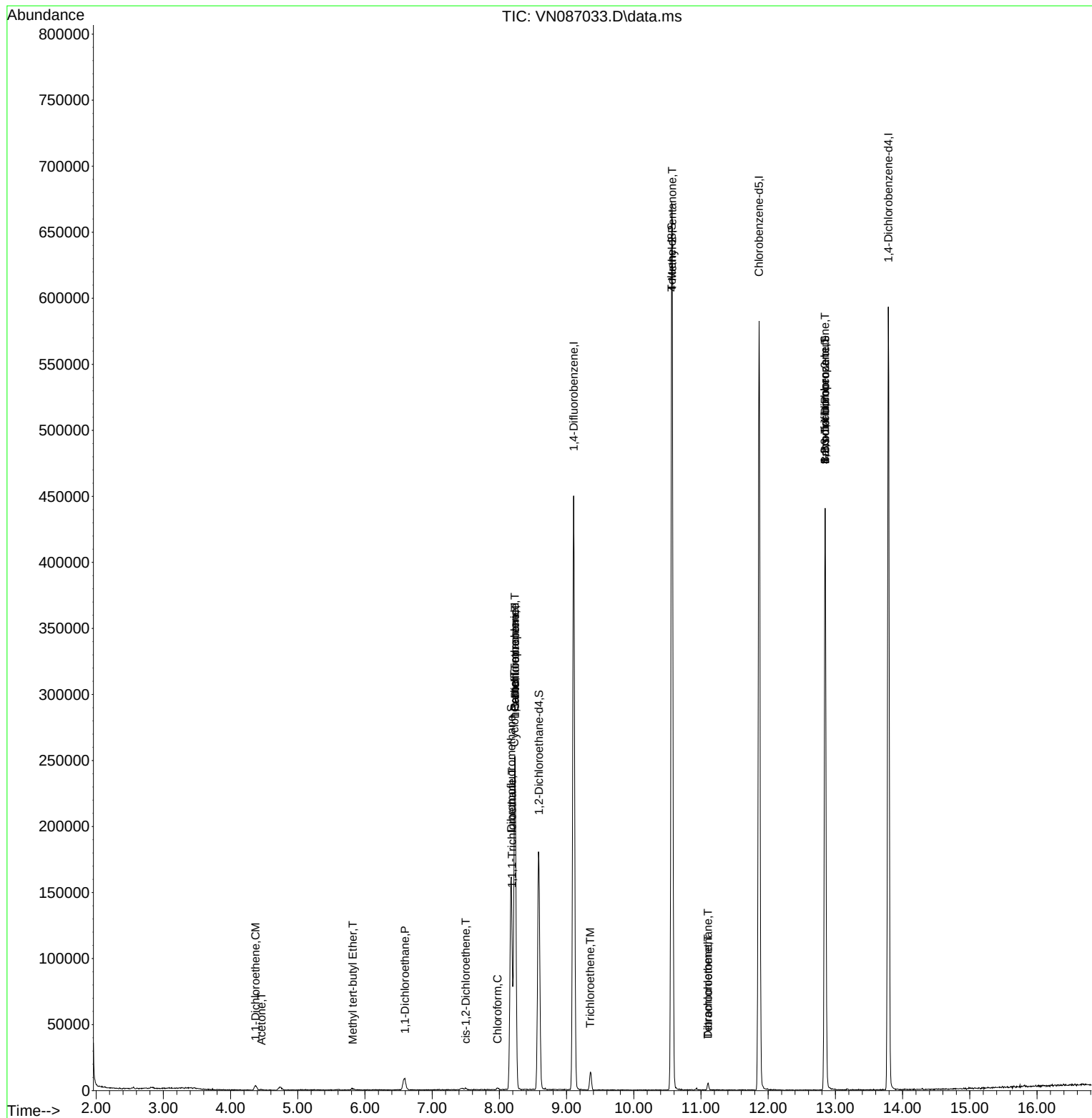
Internal Standards						
1) Pentafluorobenzene	8.230	168	203501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	412992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	175583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	149110	54.726	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 109.460%		
35) Dibromofluoromethane	8.177	113	126731	51.780	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 103.560%		
50) Toluene-d8	10.565	98	506443	52.270	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 104.540%		
62) 4-Bromofluorobenzene	12.847	95	176642	49.071	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 98.140%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.371	96	2483	1.096	ug/l	88
16) Acetone	4.459	43	822	0.569	ug/l #	40
19) Methyl tert-butyl Ether	5.818	73	2198	0.268	ug/l #	54
24) 1,1-Dichloroethane	6.594	63	14741	3.235	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	767	0.254	ug/l	56
30) Chloroform	7.971	83	1632	0.359	ug/l	89
31) Cyclohexane	8.224	56	3785	0.857	ug/l #	1
32) 1,1,1-Trichloroethane	8.188	97	1643	0.424	ug/l #	37
36) 1,1-Dichloropropene	8.236	75	15508	4.252	ug/l #	48
38) Carbon Tetrachloride	8.230	117	20181	5.636	ug/l #	17
44) Trichloroethene	9.353	130	5588	1.976	ug/l	93
51) 4-Methyl-2-Pentanone	10.571	43	1730	0.386	ug/l #	1
60) Dibromochloromethane	11.106	129	1078	0.369	ug/l #	11
64) Tetrachloroethene	11.106	164	1386	0.590	ug/l	93
71) Bromoform	12.847	173	1085	0.556	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	81535	19.536	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81535	44.970	ug/l #	16

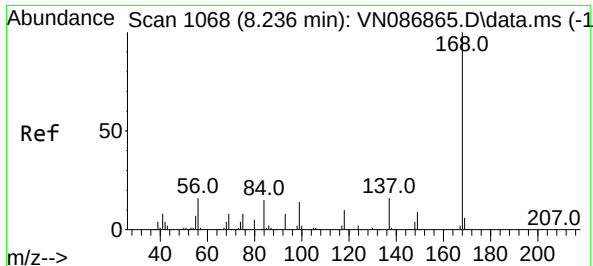
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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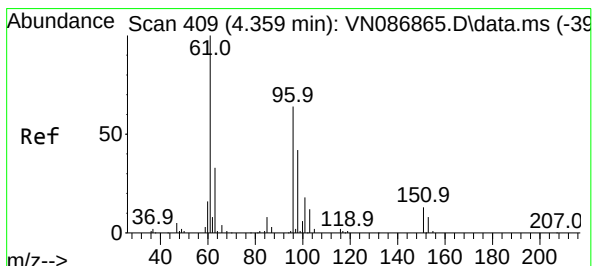
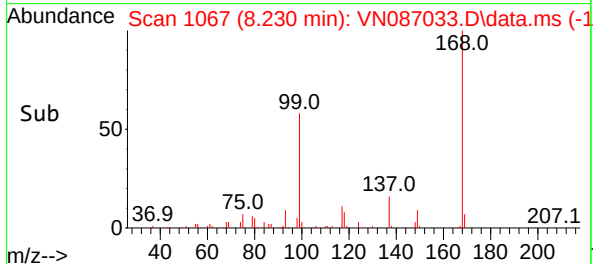
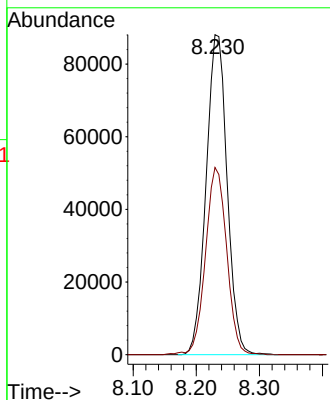
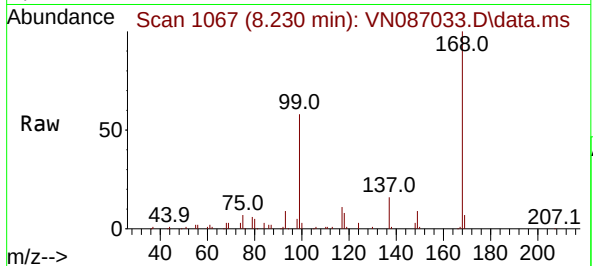




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

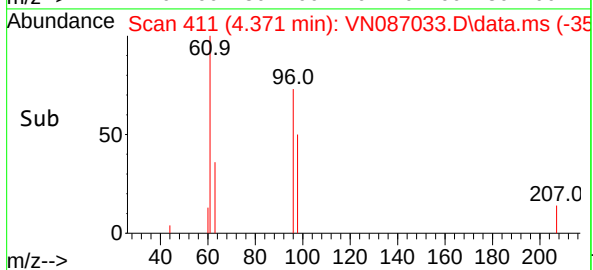
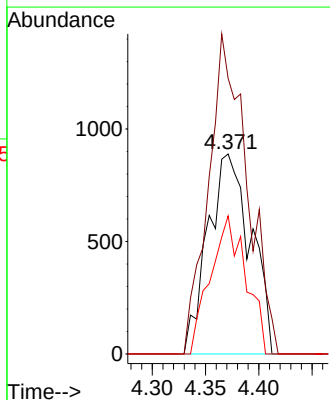
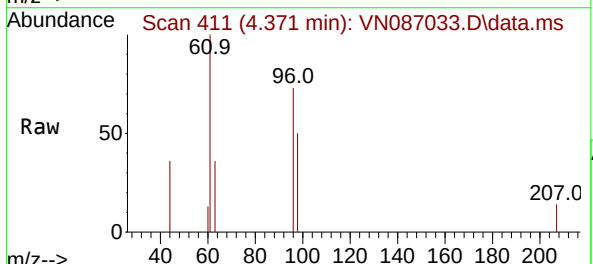
Instrument :
MSVOA_N
ClientSampleId :
TT17411-20250610

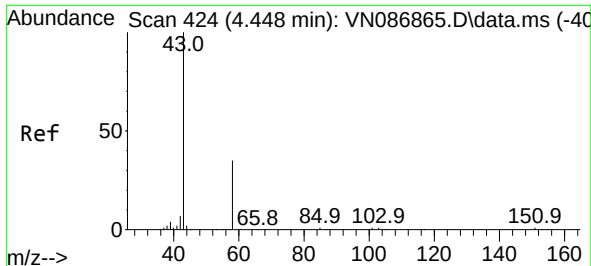
Tgt Ion:168 Resp: 203501
Ion Ratio Lower Upper
168 100
99 58.5 49.1 73.7



#12
1,1-Dichloroethene
Concen: 1.096 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

Tgt Ion: 96 Resp: 2483
Ion Ratio Lower Upper
96 100
61 137.9 125.8 188.6
98 69.1 52.5 78.7

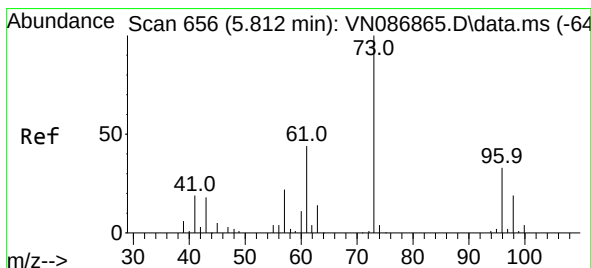
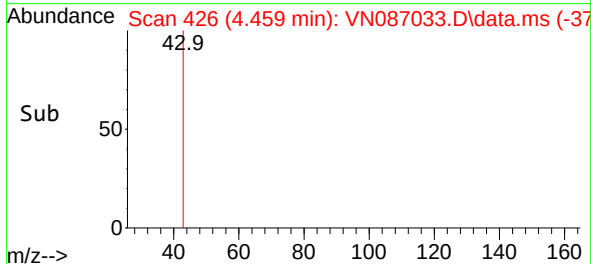
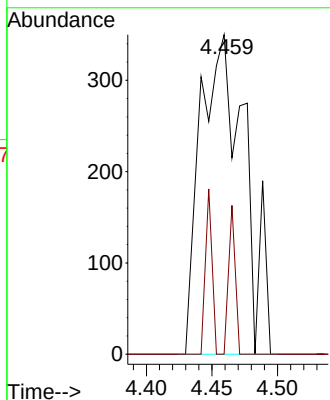
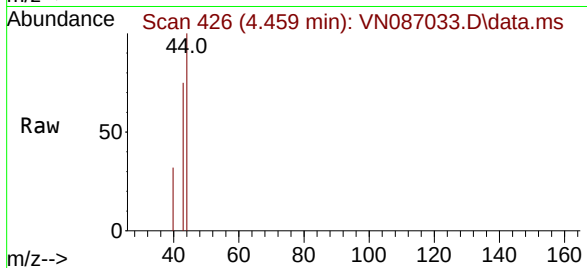




#16
Acetone
Concen: 0.569 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

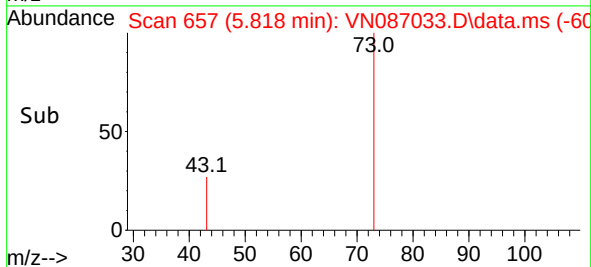
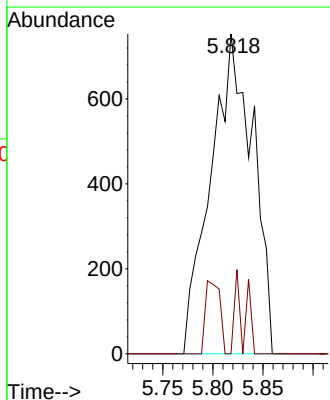
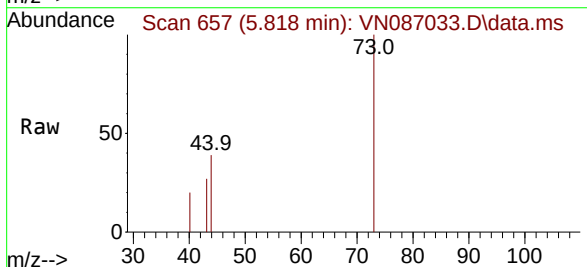
Instrument :
MSVOA_N
ClientSampleId :
TT17411-20250610

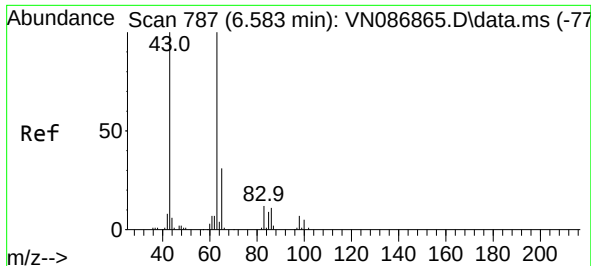
Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#19
Methyl tert-butyl Ether
Concen: 0.268 ug/l
RT: 5.818 min Scan# 657
Delta R.T. 0.006 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

Tgt Ion: 73 Resp: 2198
Ion Ratio Lower Upper
73 100
57 0.0 17.4 26.2#

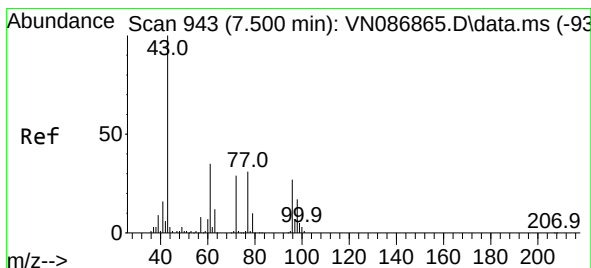
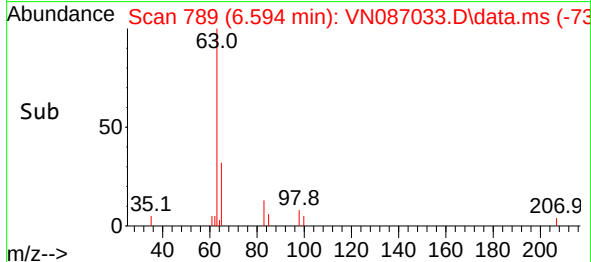
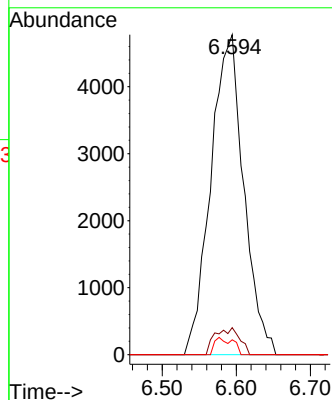
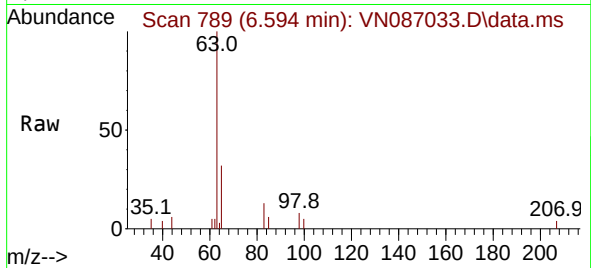




#24
 1,1-Dichloroethane
 Concen: 3.235 ug/l
 RT: 6.594 min Scan# 71
 Delta R.T. 0.012 min
 Lab File: VN087033.D
 Acq: 16 Jun 2025 15:54

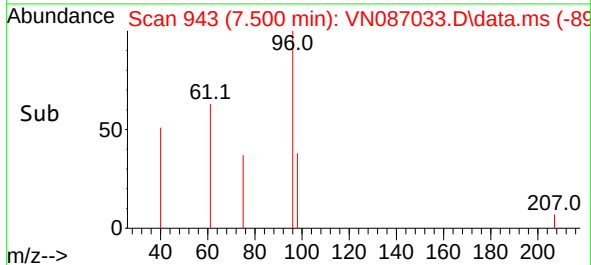
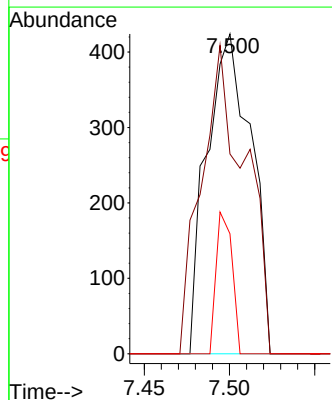
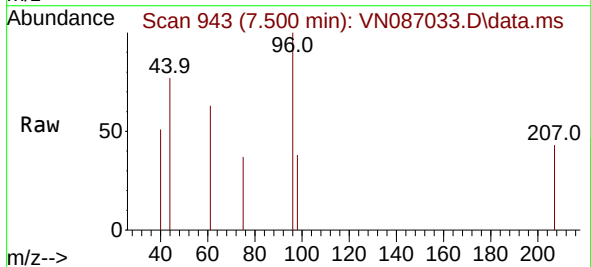
Instrument :
 MSVOA_N
 ClientSampleId :
 TT17411-20250610

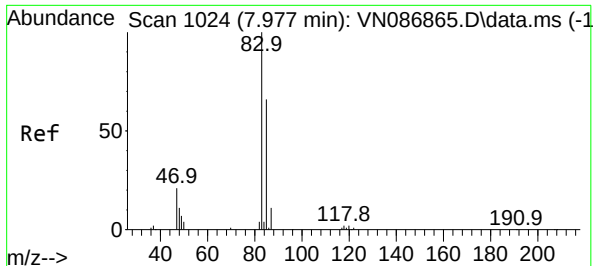
Tgt Ion: 63 Resp: 14741
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.6 10.8
 100 4.6 2.6 7.8



#27
 cis-1,2-Dichloroethene
 Concen: 0.254 ug/l
 RT: 7.500 min Scan# 943
 Delta R.T. -0.000 min
 Lab File: VN087033.D
 Acq: 16 Jun 2025 15:54

Tgt Ion: 96 Resp: 767
 Ion Ratio Lower Upper
 96 100
 61 95.4 0.0 278.0
 98 15.9 0.0 128.2





#30

Chloroform

Concen: 0.359 ug/l

RT: 7.971 min Scan# 1066

Delta R.T. -0.006 min

Lab File: VN087033.D

Acq: 16 Jun 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

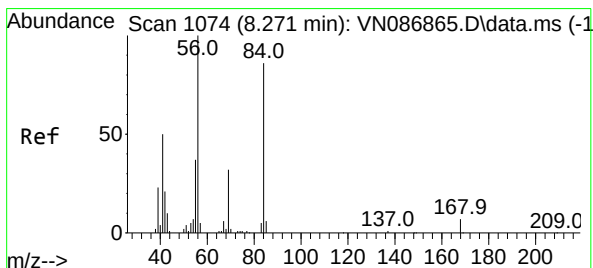
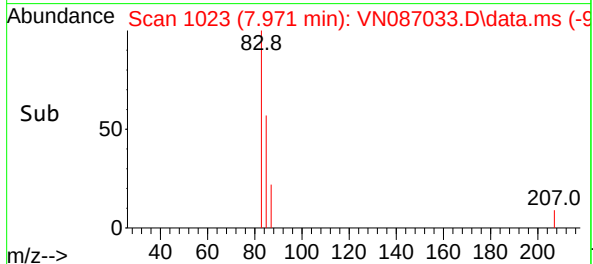
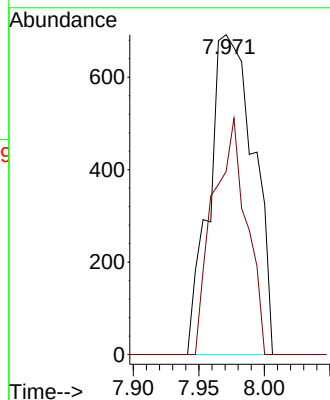
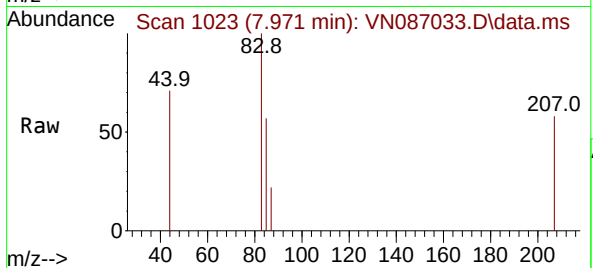
TT17411-20250610

Tgt Ion: 83 Resp: 1632

Ion Ratio Lower Upper

83 100

85 57.2 52.9 79.3



#31

Cyclohexane

Concen: 0.857 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.047 min

Lab File: VN087033.D

Acq: 16 Jun 2025 15:54

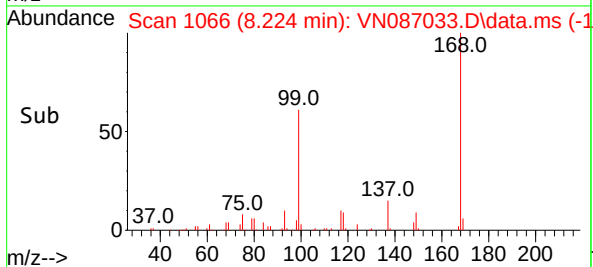
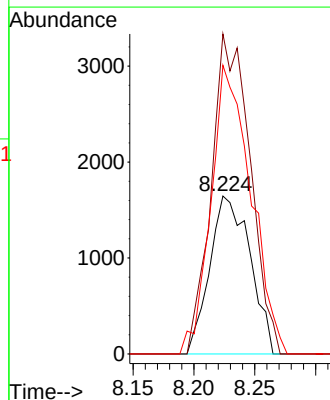
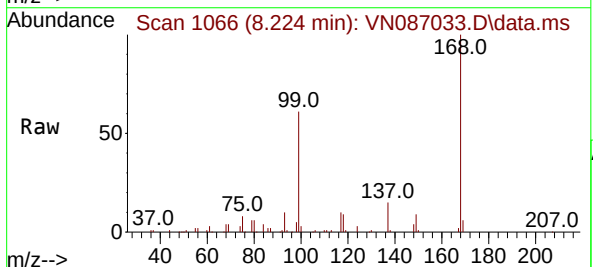
Tgt Ion: 56 Resp: 3785

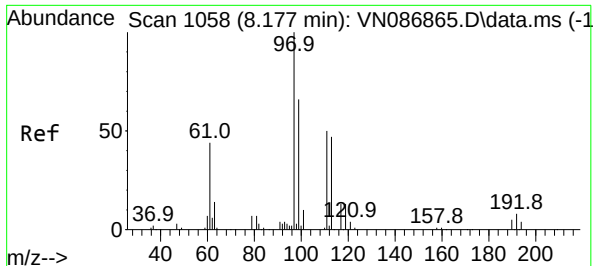
Ion Ratio Lower Upper

56 100

69 202.6 25.4 38.0#

84 182.7 68.8 103.2#





#32

1,1,1-Trichloroethane

Concen: 0.424 ug/l

RT: 8.188 min Scan# 1060

Delta R.T. 0.012 min

Lab File: VN087033.D

Acq: 16 Jun 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

TT17411-20250610

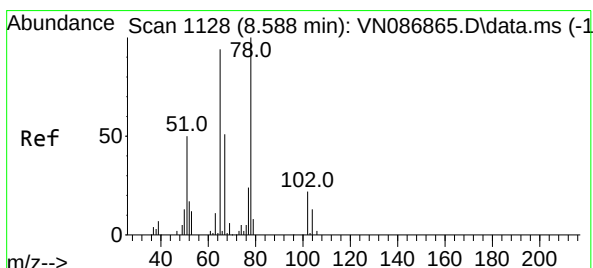
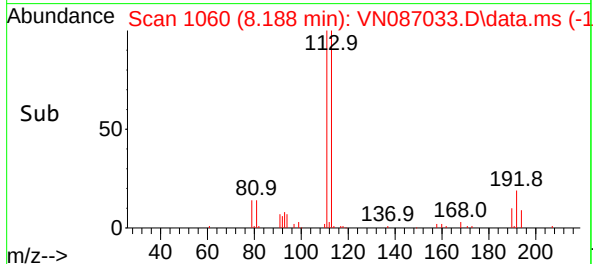
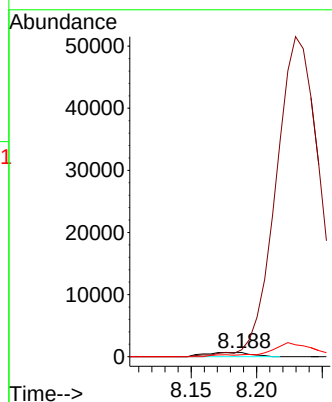
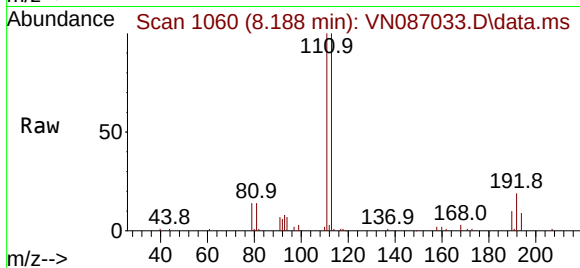
Tgt Ion: 97 Resp: 1643

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

61 22.6 35.9 53.9#



#33

1,2-Dichloroethane-d4

Concen: 54.726 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087033.D

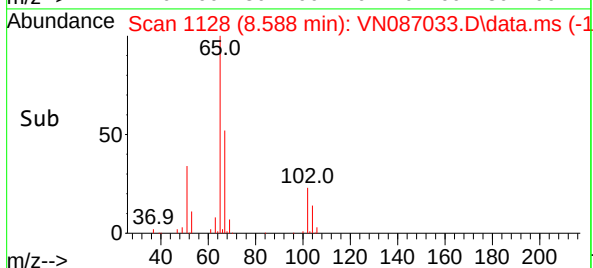
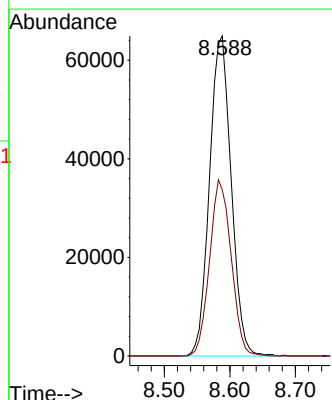
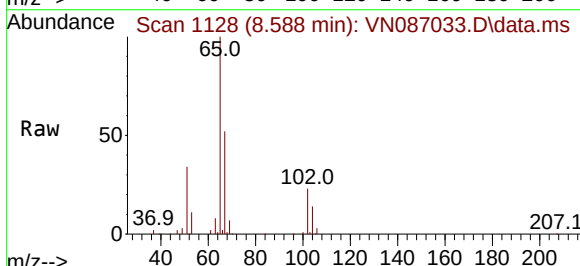
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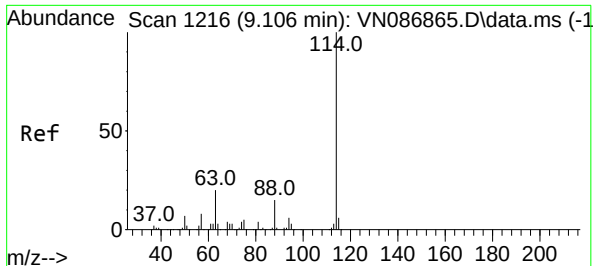
Tgt Ion: 65 Resp: 149110

Ion Ratio Lower Upper

65 100

67 54.7 0.0 105.6

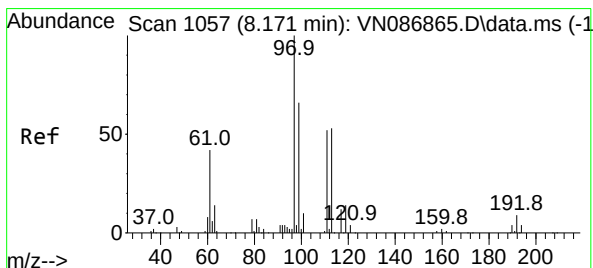
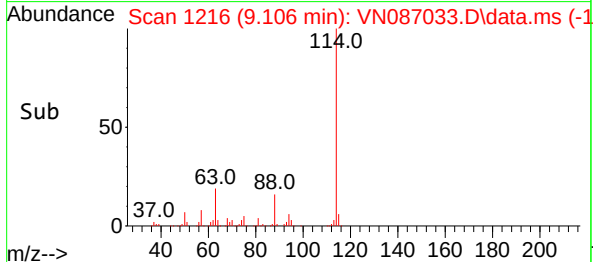
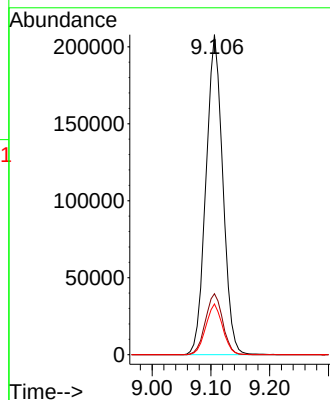
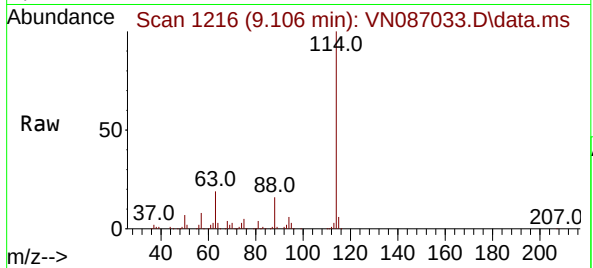




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

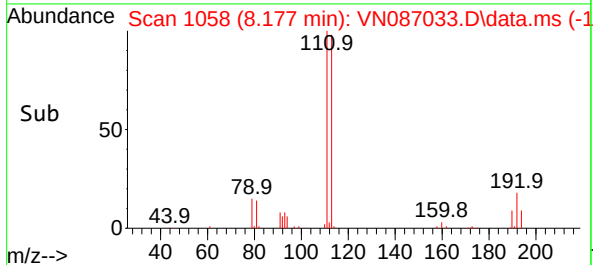
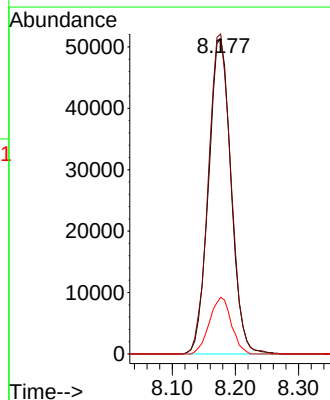
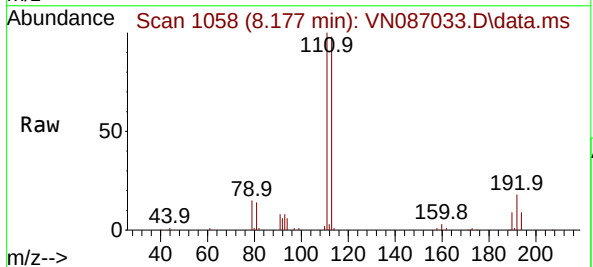
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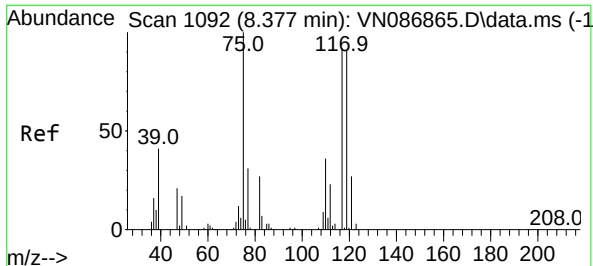
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.8	0.0	30.2



#35
Dibromofluoromethane
Concen: 51.780 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	84.2	126.2
192	17.5	14.2	21.4





#36

1,1-Dichloropropene

Concen: 4.252 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN087033.D

Acq: 16 Jun 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

TT17411-20250610

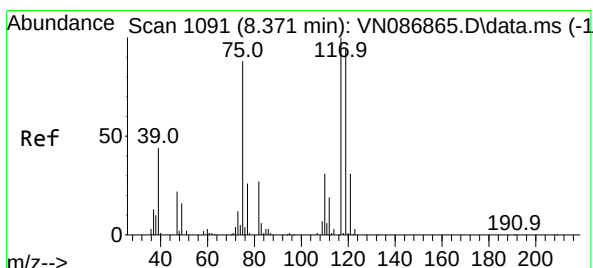
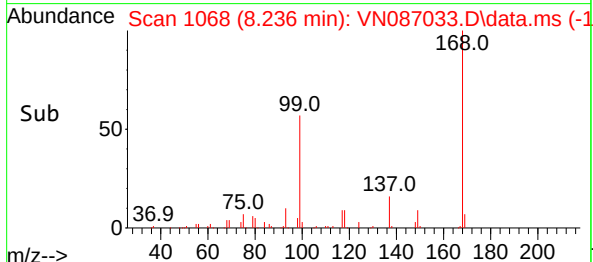
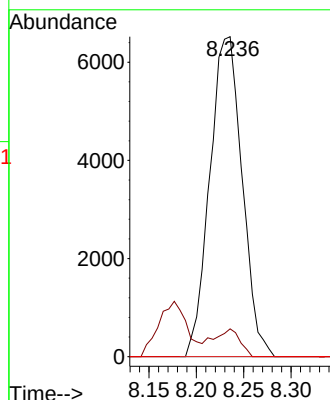
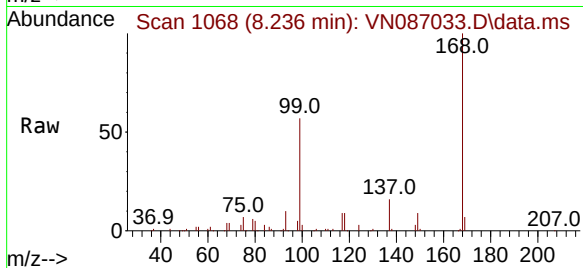
Tgt Ion: 75 Resp: 15508

Ion Ratio Lower Upper

75 100

110 7.1 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.636 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087033.D

Acq: 16 Jun 2025 15:54

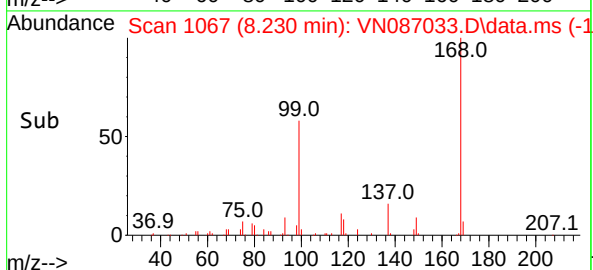
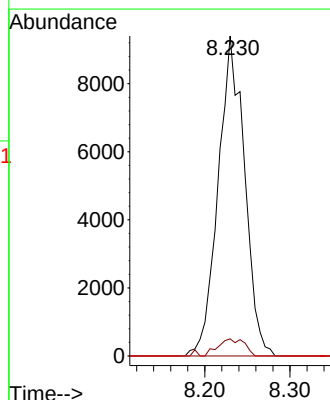
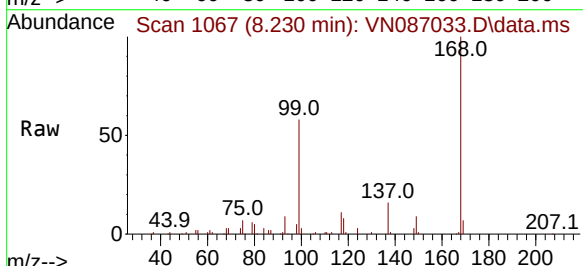
Tgt Ion: 117 Resp: 20181

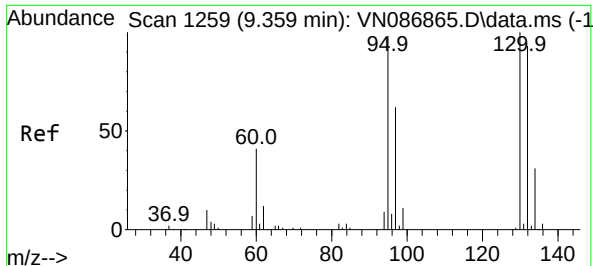
Ion Ratio Lower Upper

117 100

119 5.3 75.0 112.6#

121 0.0 24.9 37.3#

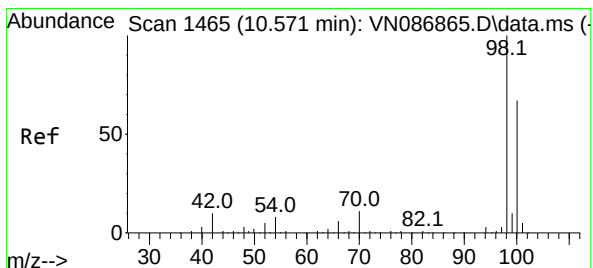
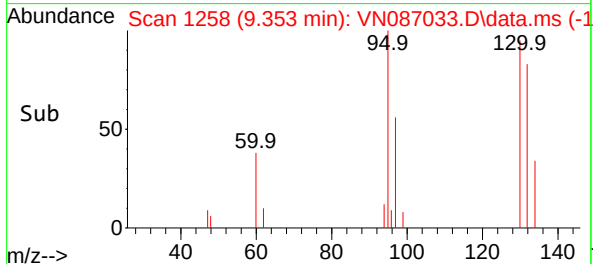
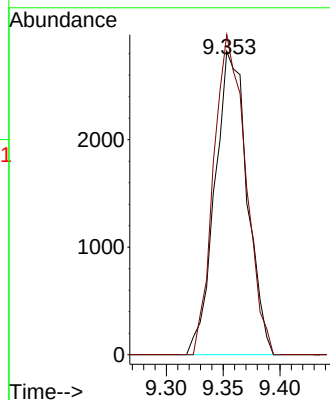
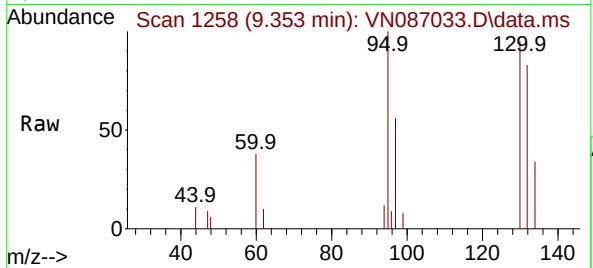




#44
Trichloroethene
Concen: 1.976 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

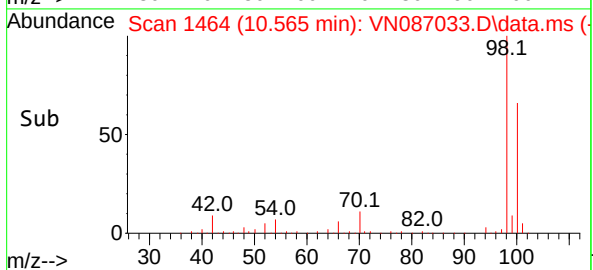
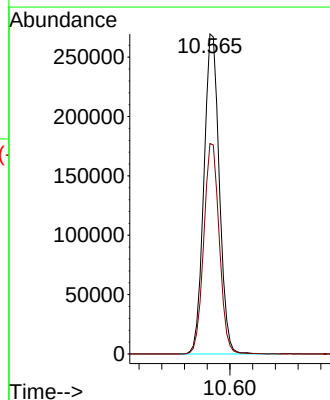
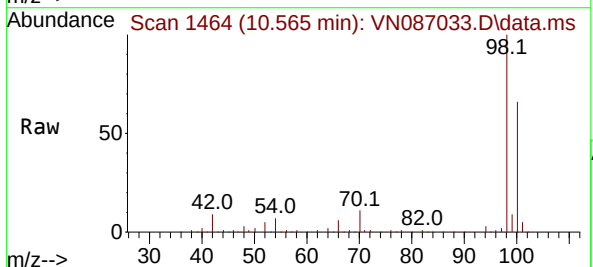
Instrument :
MSVOA_N
ClientSampleId :
TT17411-20250610

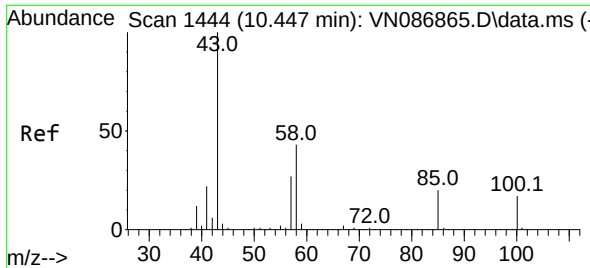
Tgt Ion:130 Resp: 5588
Ion Ratio Lower Upper
130 100
95 105.5 0.0 196.2



#50
Toluene-d8
Concen: 52.270 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

Tgt Ion: 98 Resp: 506443
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0

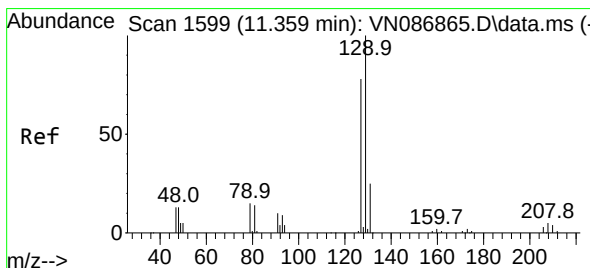
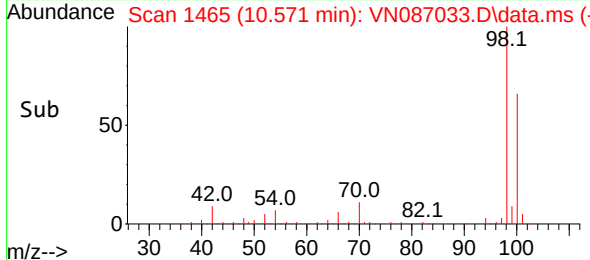
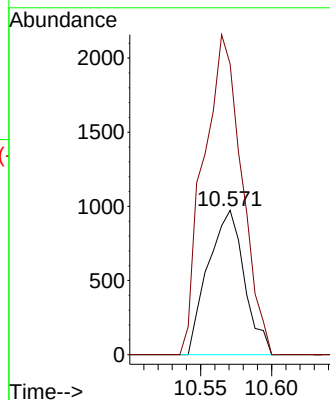
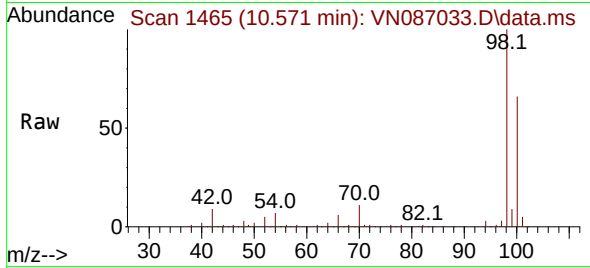




#51
4-Methyl-2-Pentanone
Concen: 0.386 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

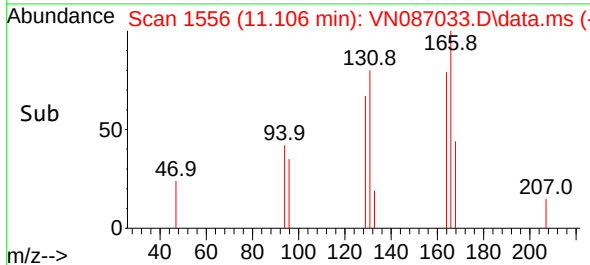
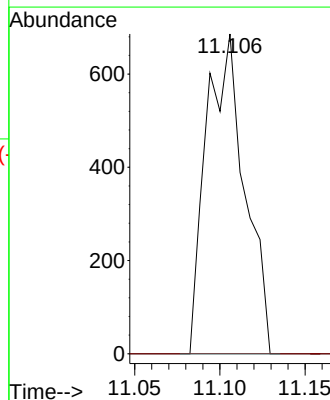
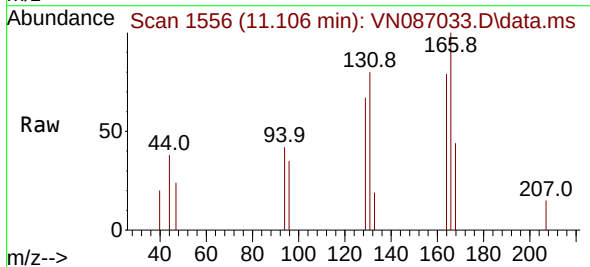
Instrument :
MSVOA_N
ClientSampleId :
TT17411-20250610

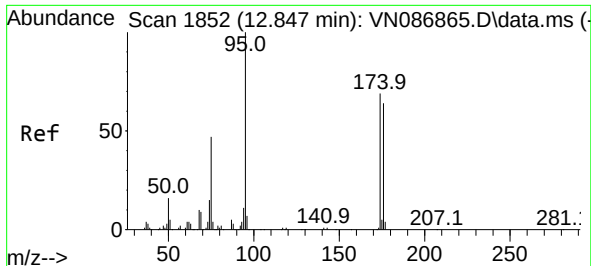
Tgt Ion: 43 Resp: 1730
Ion Ratio Lower Upper
43 100
58 233.0 34.2 51.4#



#60
Dibromochloromethane
Concen: 0.369 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

Tgt Ion: 129 Resp: 1078
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

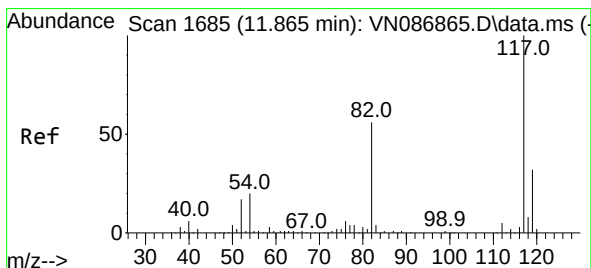
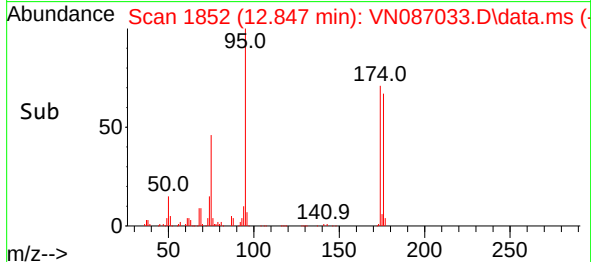
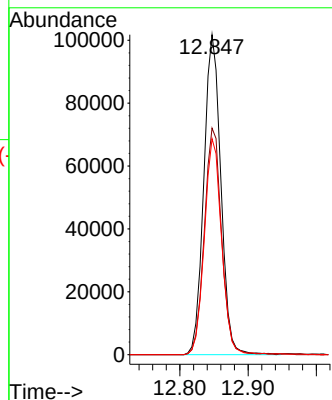
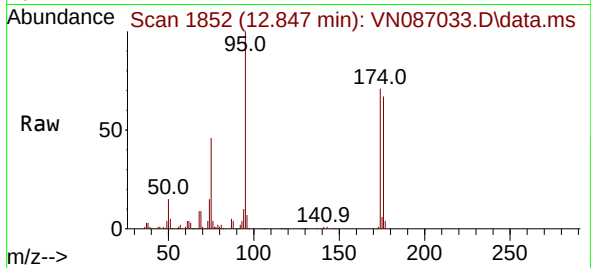




#62
4-Bromofluorobenzene
Concen: 49.071 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

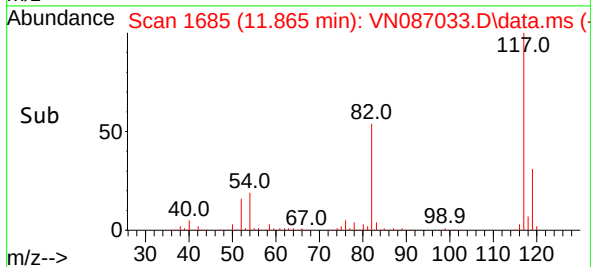
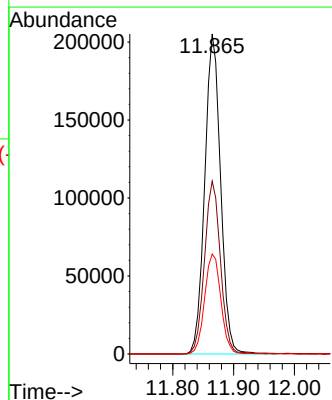
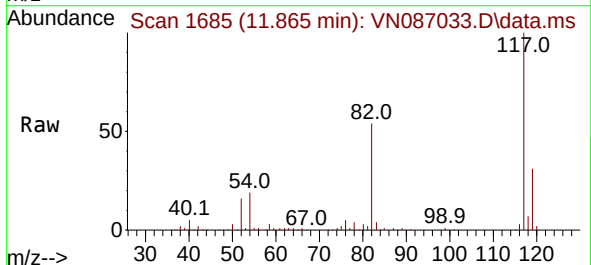
Instrument :
MSVOA_N
ClientSampleId :
TT17411-20250610

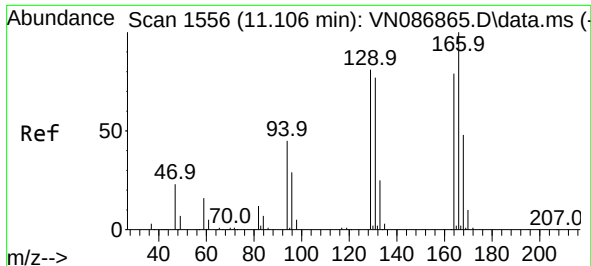
Tgt Ion: 95 Resp: 176642
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.8
176 68.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

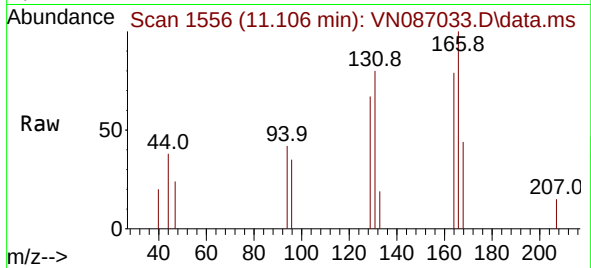
Tgt Ion: 117 Resp: 371450
Ion Ratio Lower Upper
117 100
82 54.0 44.6 67.0
119 31.2 25.5 38.3



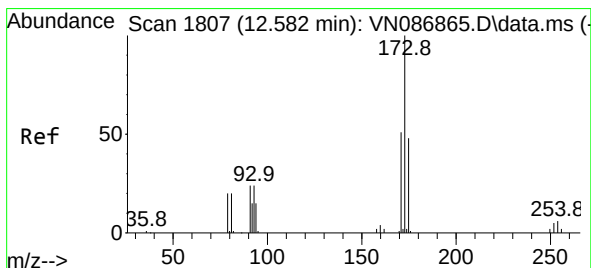
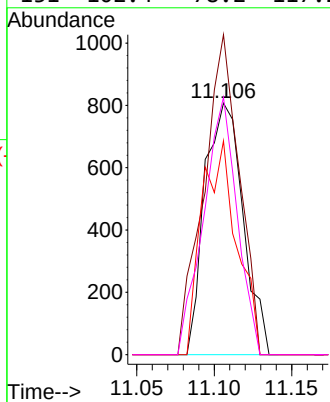
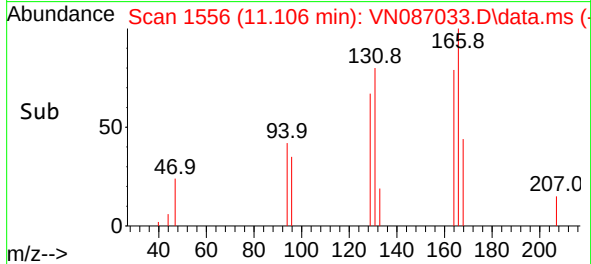


#64
Tetrachloroethene
Concen: 0.590 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
TT17411-20250610

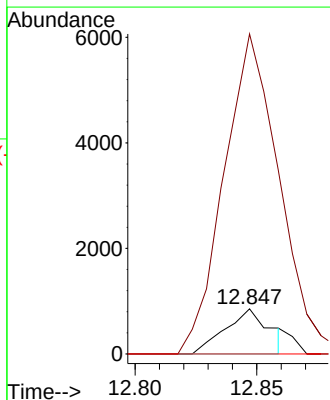
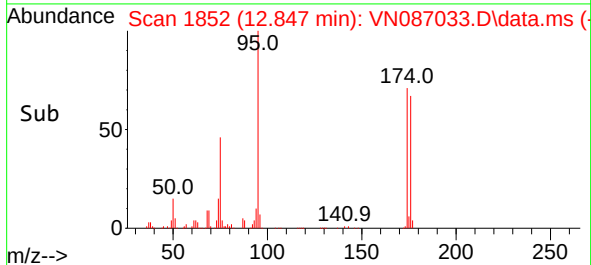
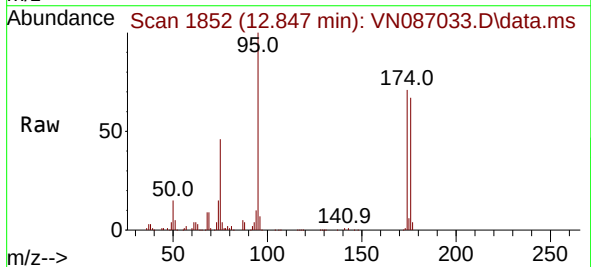


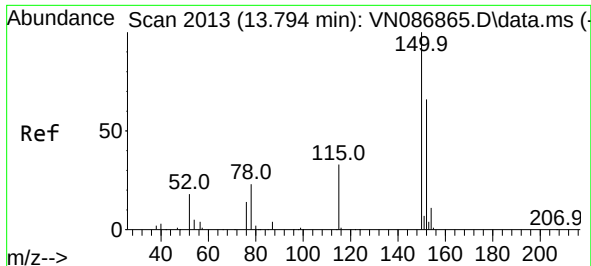
Tgt Ion:164	Resp:	1386
Ion	Ratio	Lower Upper
164	100	
166	127.3	101.8 152.8
129	85.0	83.0 124.4
131	102.4	78.2 117.2



#71
Bromoform
Concen: 0.556 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN087033.D
Acq: 16 Jun 2025 15:54

Tgt Ion:173	Resp:	1085
Ion	Ratio	Lower Upper
173	100	
175	779.9	24.1 72.4#
254	0.0	0.0 0.0

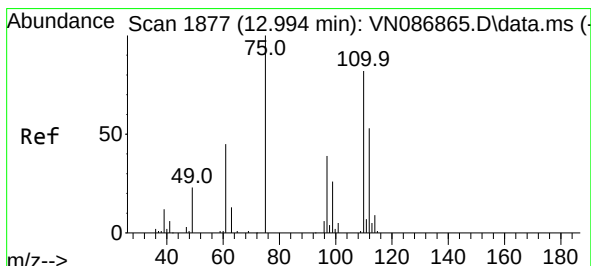
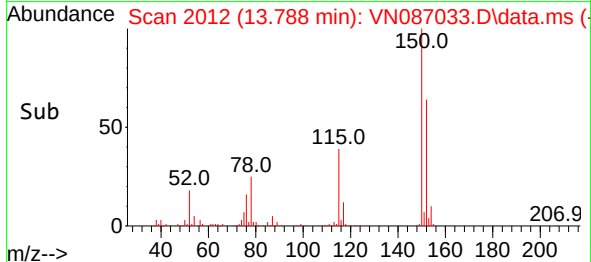
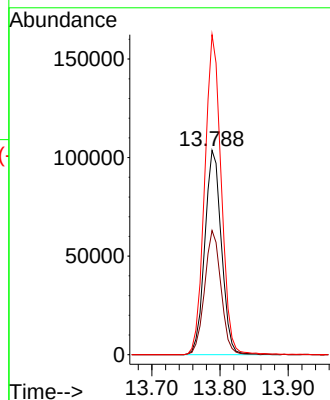
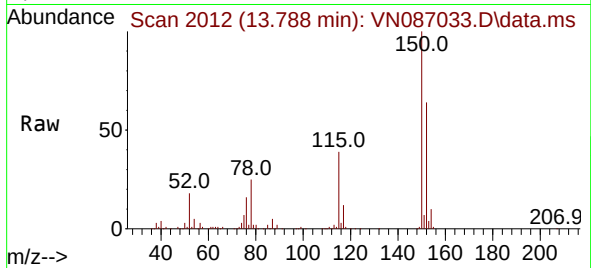




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN087033.D
 Acq: 16 Jun 2025 15:54

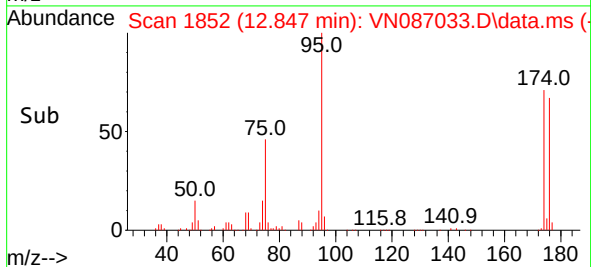
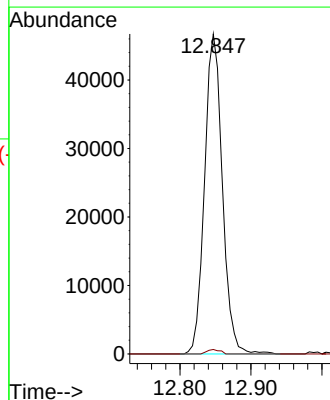
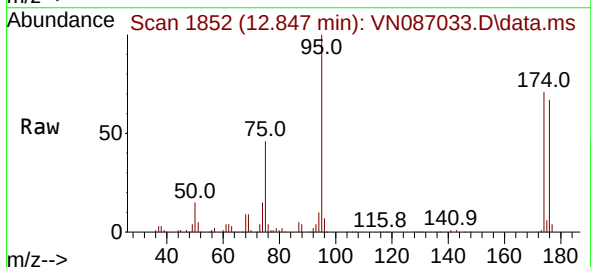
Instrument :
 MSVOA_N
 ClientSampleId :
 TT17411-20250610

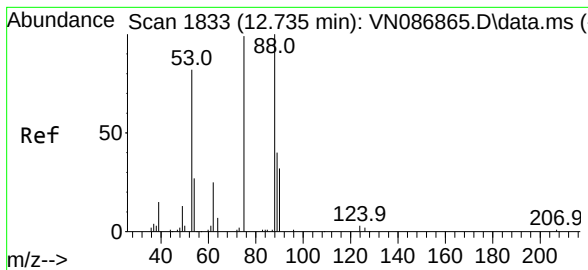
Tgt Ion:152 Resp: 175583
 Ion Ratio Lower Upper
 152 100
 115 59.9 30.1 90.5
 150 156.1 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.536 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087033.D
 Acq: 16 Jun 2025 15:54

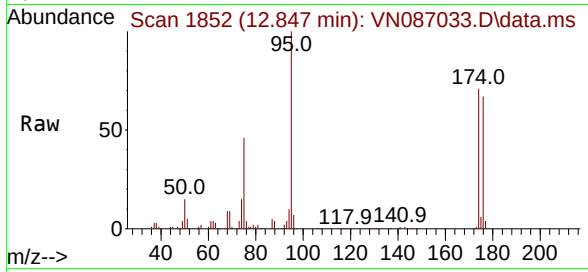
Tgt Ion: 75 Resp: 81535
 Ion Ratio Lower Upper
 75 100
 77 1.0 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.970 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087033.D
 Acq: 16 Jun 2025 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 TT17411-20250610



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.6	99.8#
89	0.0	36.7	55.1#

