

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087282.D
 Acq On : 07 Jul 2025 10:24
 Operator : JC\MD
 Sample : VN0707MBL01
 Misc : 5.00g/10mL/100ul/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 08 01:28:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

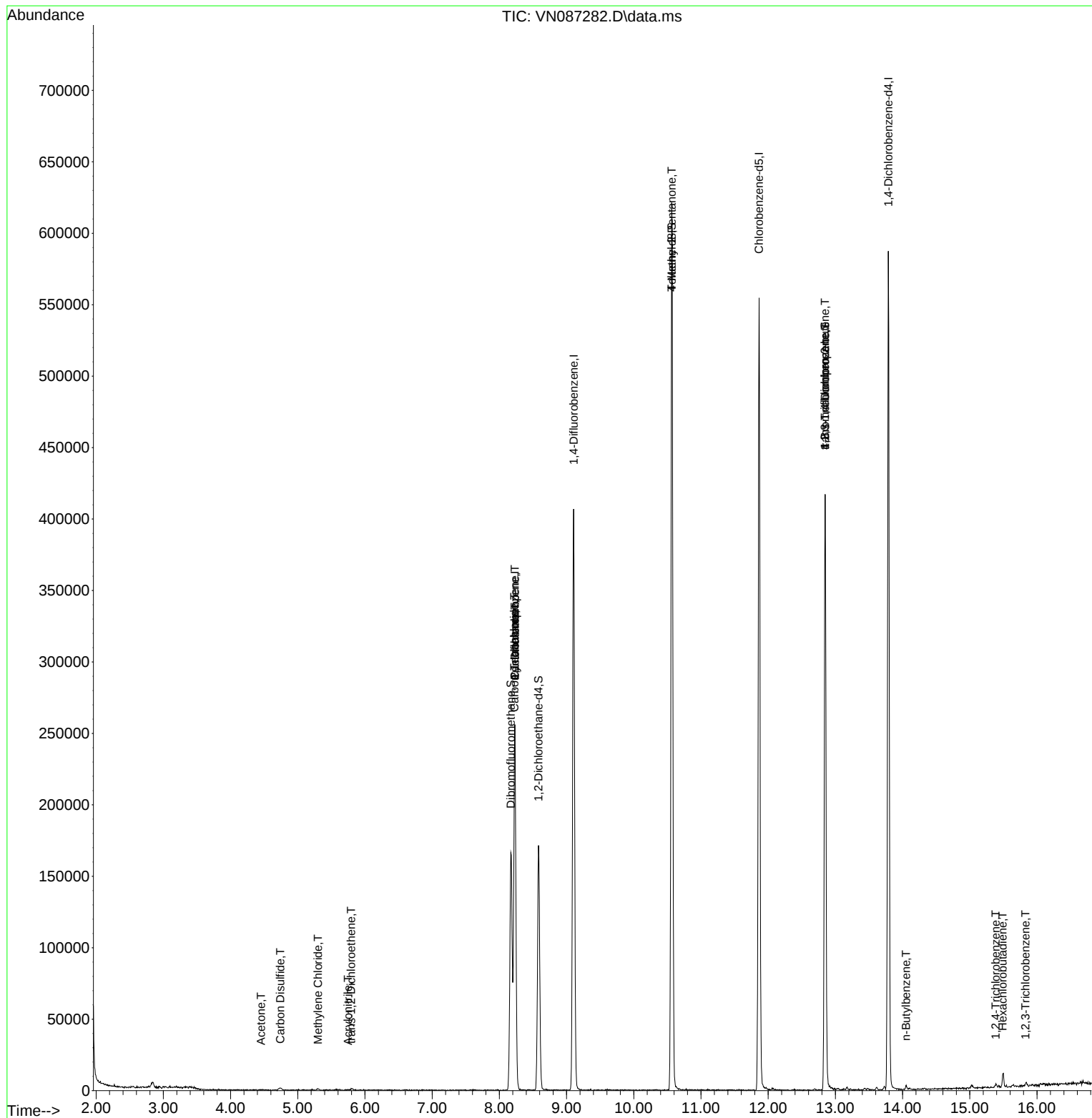
Internal Standards						
1) Pentafluorobenzene	8.230	168	204300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	381218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	346515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	141625	55.234	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.460%	
35) Dibromofluoromethane	8.171	113	125118	51.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.520%	
50) Toluene-d8	10.565	98	453536	47.668	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.340%	
62) 4-Bromofluorobenzene	12.847	95	149081	44.038	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.080%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.747	53	257	0.221	ug/l #	53
16) Acetone	4.453	43	449	0.458	ug/l #	41
17) Carbon Disulfide	4.742	76	2858	0.501	ug/l #	76
20) Methylene Chloride	5.300	84	666	0.307	ug/l #	64
21) trans-1,2-Dichloroethene	5.795	96	520	0.227	ug/l #	64
31) Cyclohexane	8.230	56	4317	1.236	ug/l #	54
36) 1,1-Dichloropropene	8.230	75	13981	4.212	ug/l #	49
38) Carbon Tetrachloride	8.224	117	20165	5.361	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	1760	0.520	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	73440	22.251	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73440	52.264	ug/l #	14
89) n-Butylbenzene	14.053	91	2003	0.228	ug/l	86
93) 1,2,4-Trichlorobenzene	15.388	180	940	0.292	ug/l	83
94) Hexachlorobutadiene	15.488	225	1838	1.800	ug/l	91
96) 1,2,3-Trichlorobenzene	15.829	180	951	0.304	ug/l	94

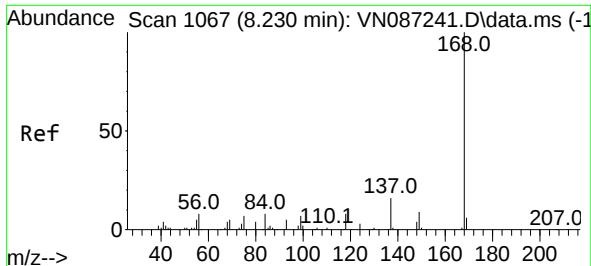
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
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VSTDCCC050

Quant Time: Jul 08 01:28:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

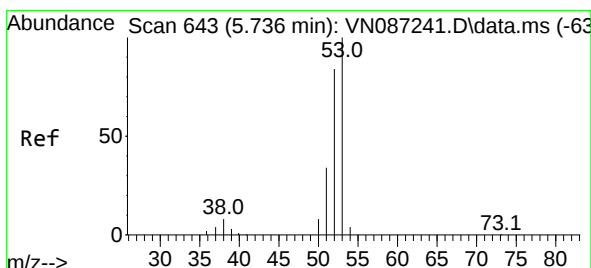
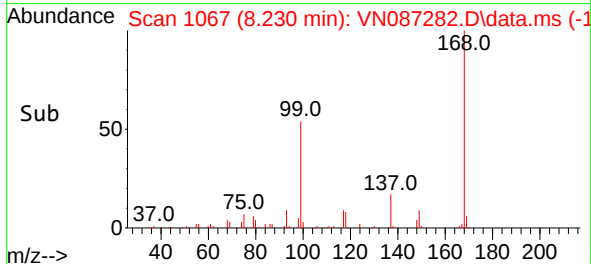
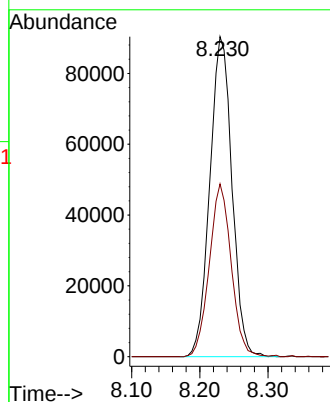
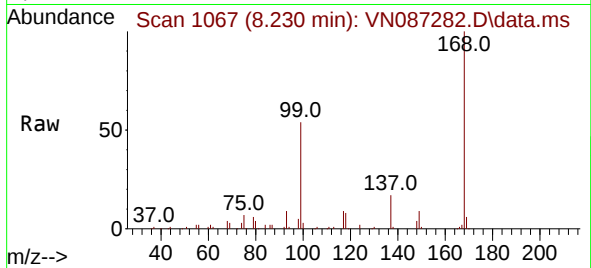




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

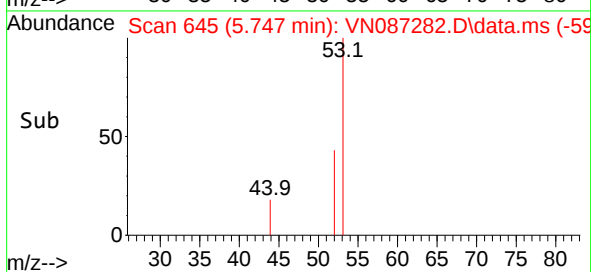
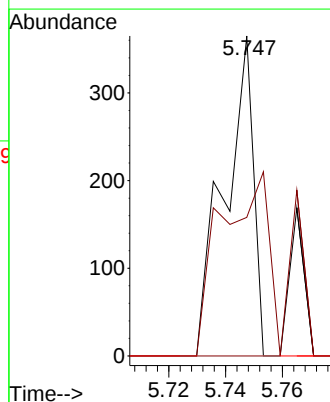
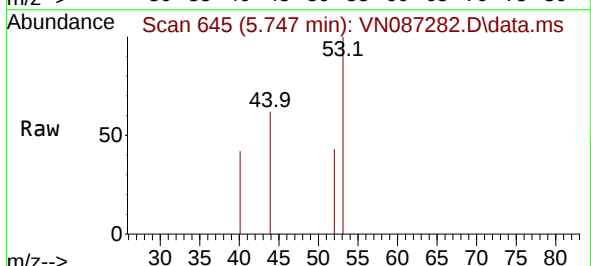
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

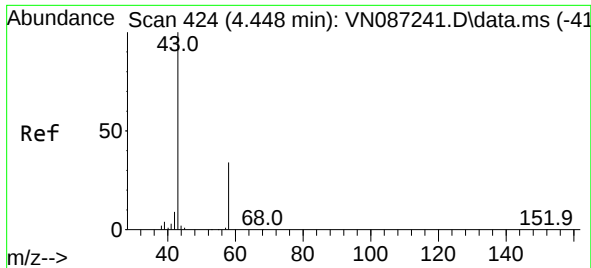
Tgt Ion:168 Resp: 204300
Ion Ratio Lower Upper
168 100
99 54.0 42.6 64.0



#15
Acrylonitrile
Concen: 0.221 ug/l
RT: 5.747 min Scan# 645
Delta R.T. 0.012 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

Tgt Ion: 53 Resp: 257
Ion Ratio Lower Upper
53 100
52 120.2 66.5 99.7#
51 0.0 29.1 43.7#





#16

Acetone

Concen: 0.458 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN087282.D

Acq: 07 Jul 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

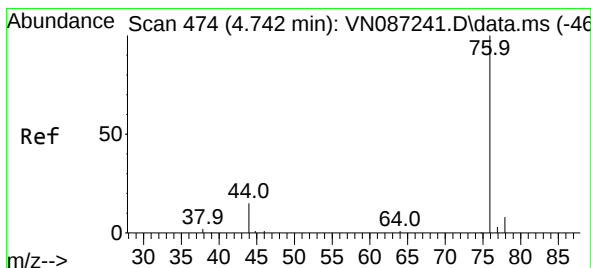
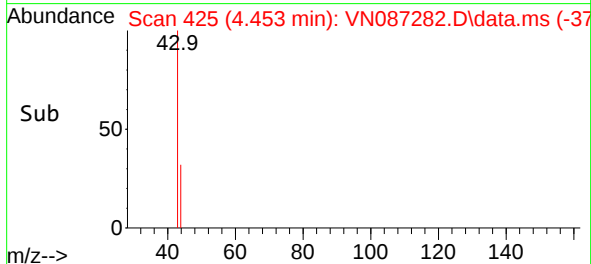
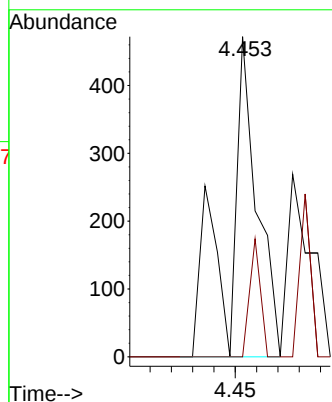
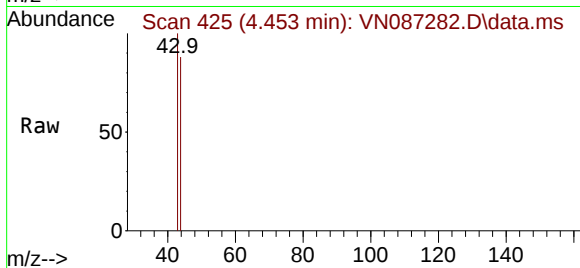
VSTDCCC050

Tgt Ion: 43 Resp: 449

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



#17

Carbon Disulfide

Concen: 0.501 ug/l

RT: 4.742 min Scan# 474

Delta R.T. -0.000 min

Lab File: VN087282.D

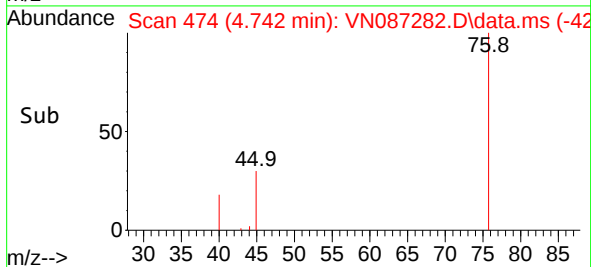
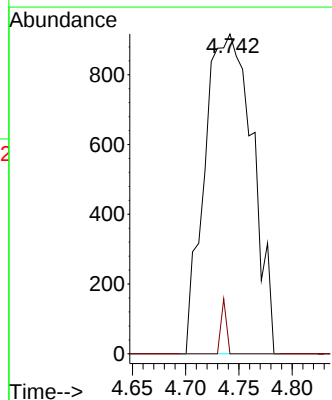
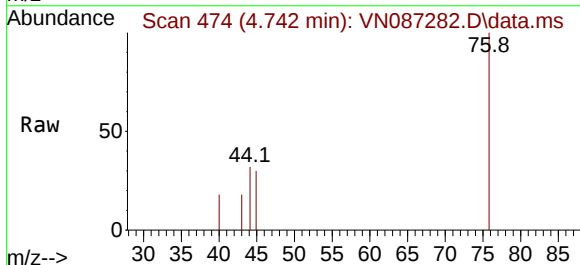
Acq: 07 Jul 2025 10:24

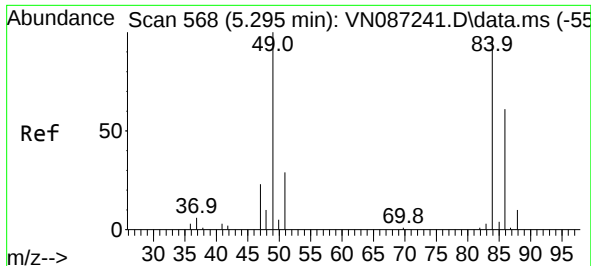
Tgt Ion: 76 Resp: 2858

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#

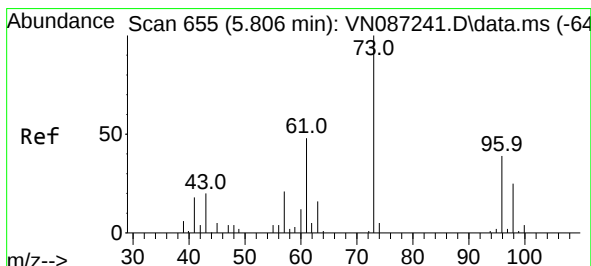
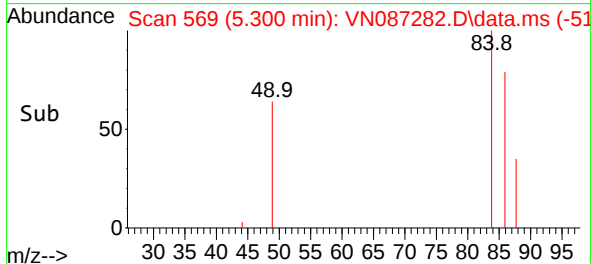
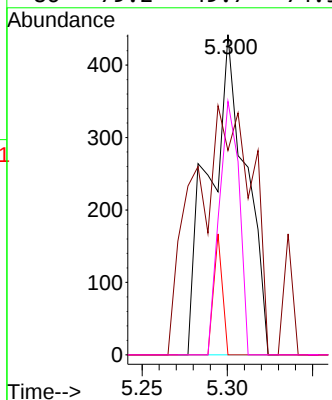
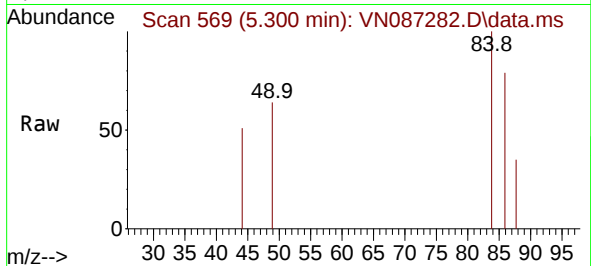




#20
Methylene Chloride
Concen: 0.307 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

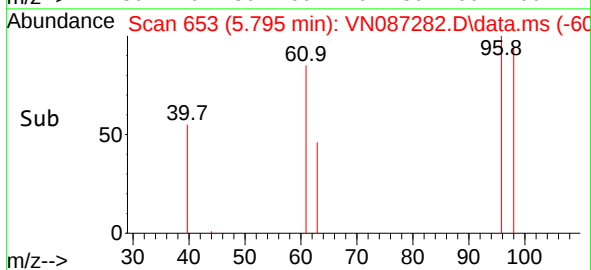
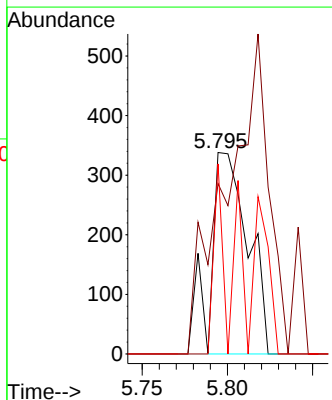
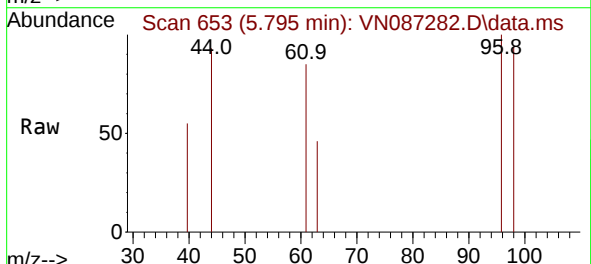
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

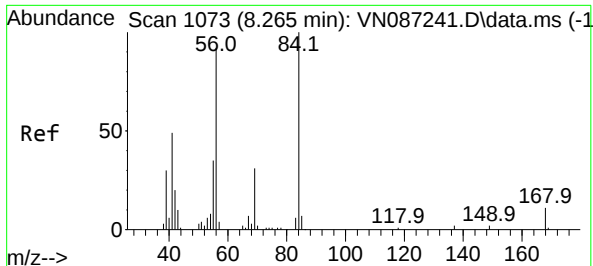
Tgt Ion: 84	Resp: 666
Ion Ratio	Lower Upper
84 100	
49 63.8	82.1 123.1#
51 0.0	23.5 35.3#
86 79.2	49.7 74.5#



#21
trans-1,2-Dichloroethene
Concen: 0.227 ug/l
RT: 5.795 min Scan# 653
Delta R.T. -0.012 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

Tgt Ion: 96	Resp: 520
Ion Ratio	Lower Upper
96 100	
61 84.6	98.2 147.2#
98 94.4	50.0 75.0#

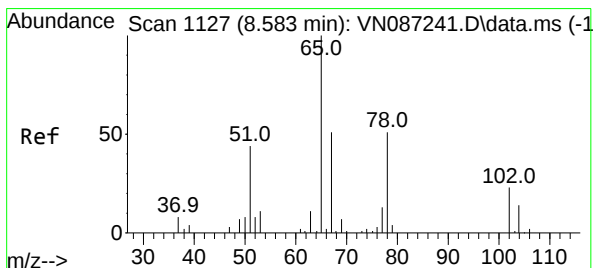
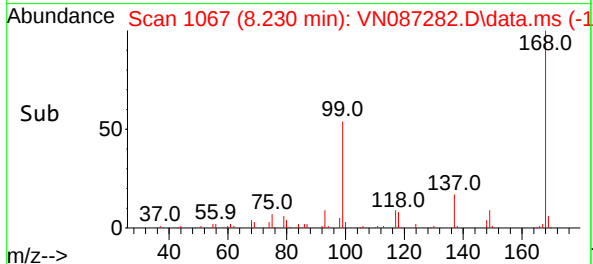
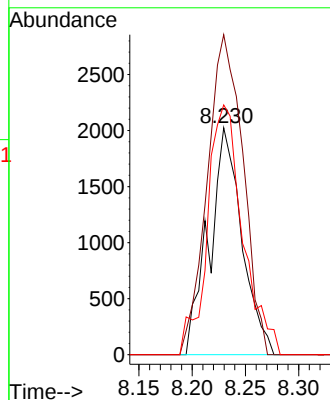
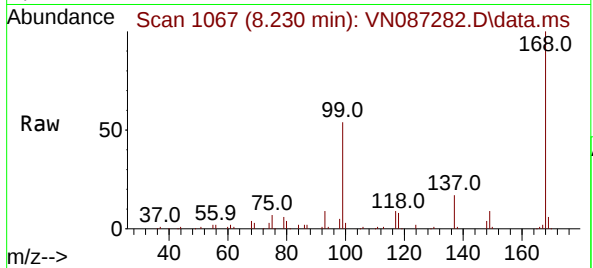




#31
Cyclohexane
Concen: 1.236 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

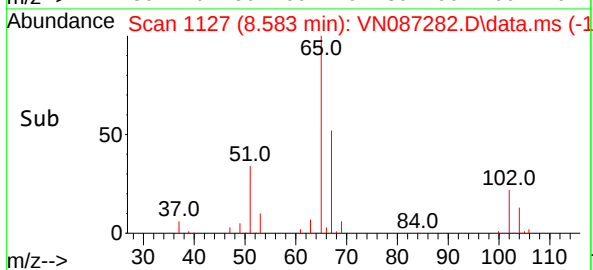
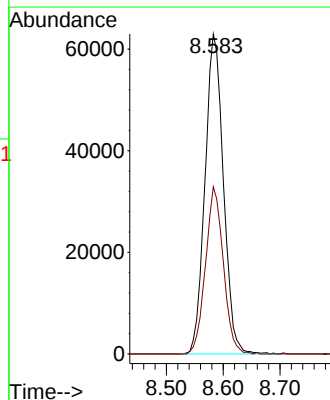
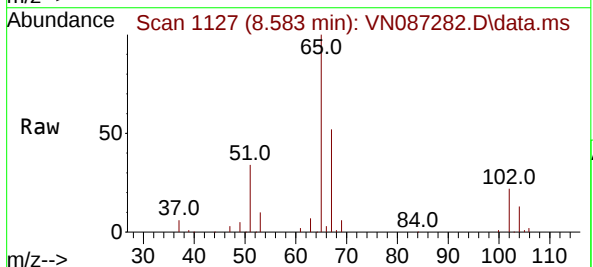
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

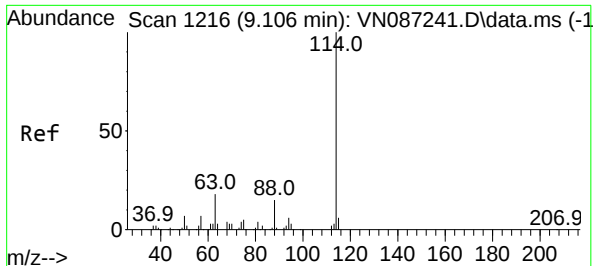
Tgt Ion: 56 Resp: 4317
Ion Ratio Lower Upper
56 100
69 141.0 27.0 40.6#
84 110.1 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 55.234 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

Tgt Ion: 65 Resp: 141625
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087282.D

Acq: 07 Jul 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

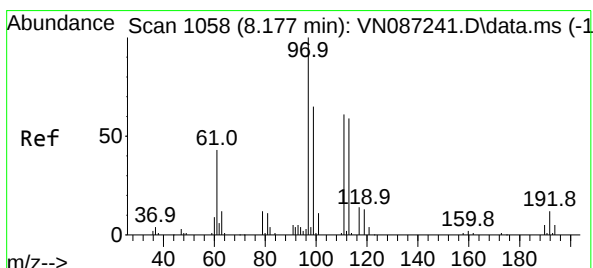
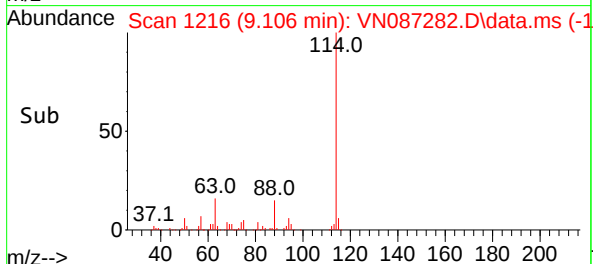
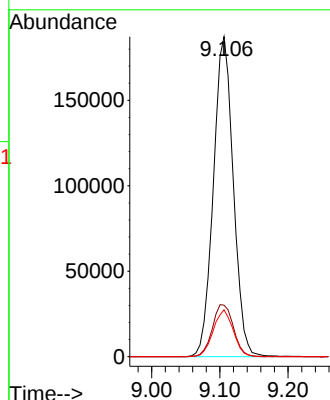
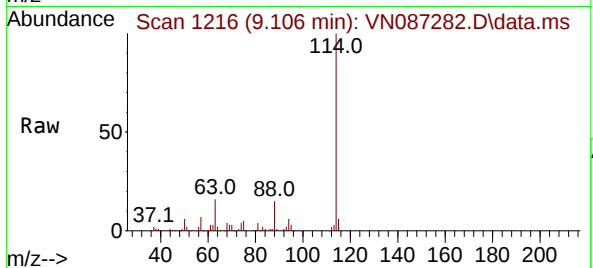
Tgt Ion:114 Resp: 381218

Ion Ratio Lower Upper

114 100

63 16.1 0.0 36.6

88 14.6 0.0 29.6



#35

Dibromofluoromethane

Concen: 51.258 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087282.D

Acq: 07 Jul 2025 10:24

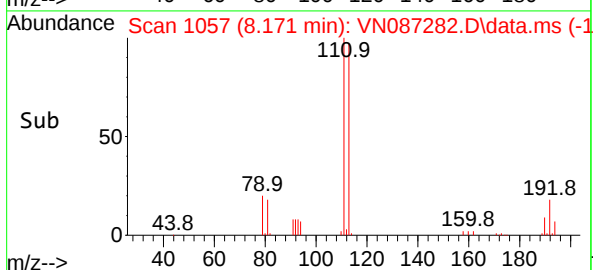
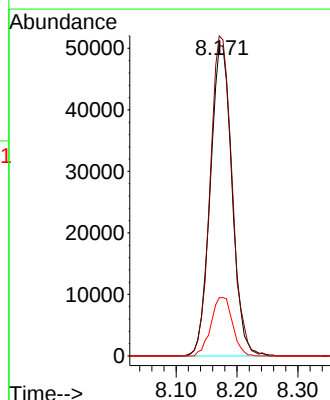
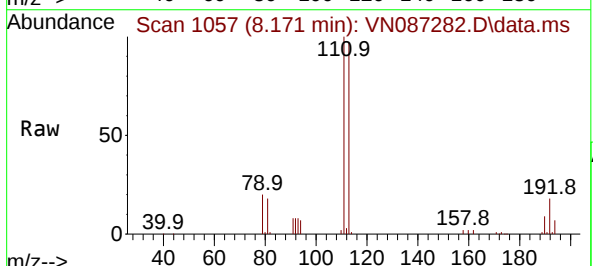
Tgt Ion:113 Resp: 125118

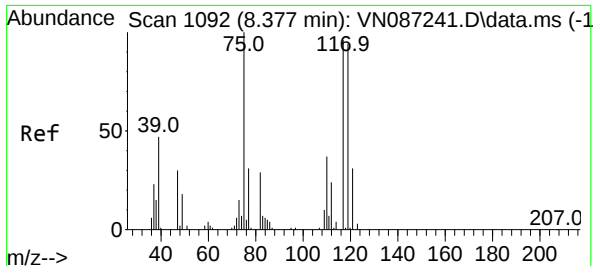
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

192 18.7 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.212 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087282.D

Acq: 07 Jul 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

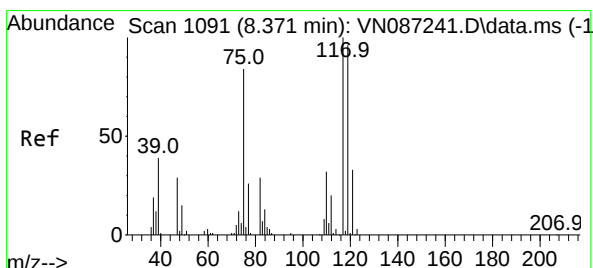
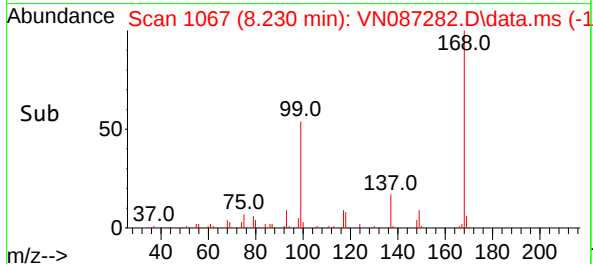
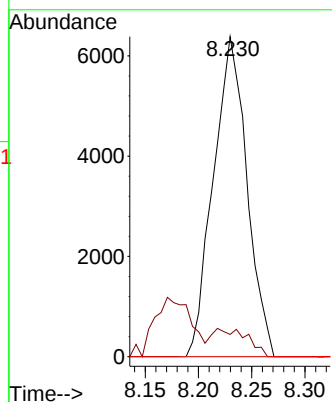
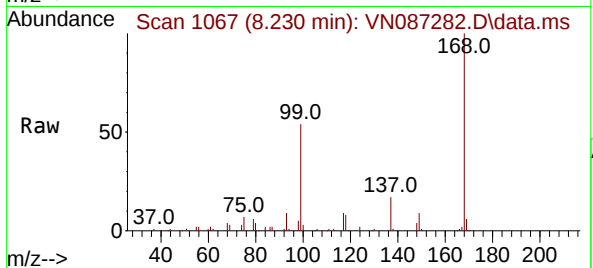
Tgt Ion: 75 Resp: 13981

Ion Ratio Lower Upper

75 100

110 9.3 18.7 56.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.361 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN087282.D

Acq: 07 Jul 2025 10:24

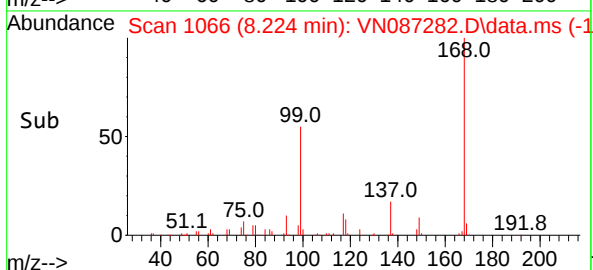
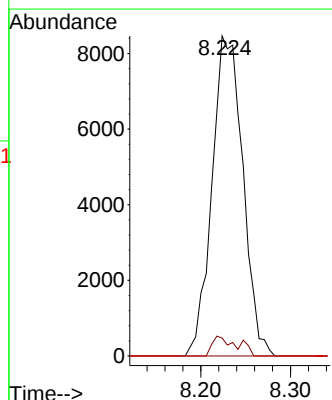
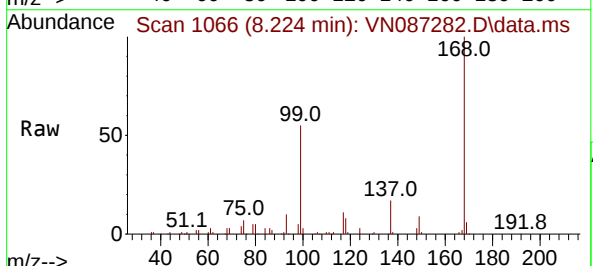
Tgt Ion: 117 Resp: 20165

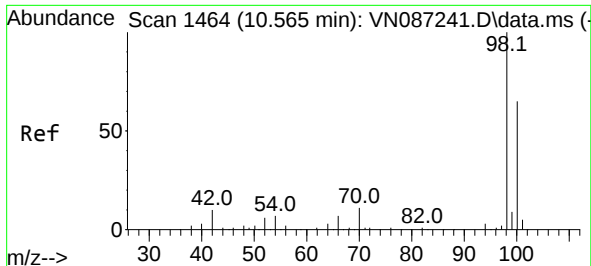
Ion Ratio Lower Upper

117 100

119 5.6 77.2 115.8#

121 0.0 26.6 39.8#

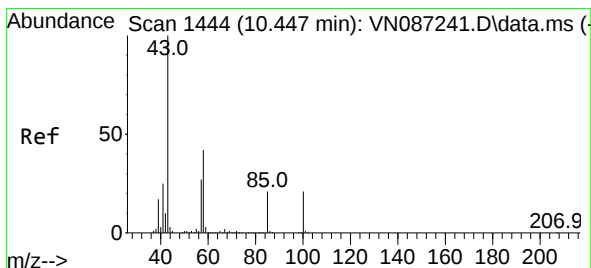
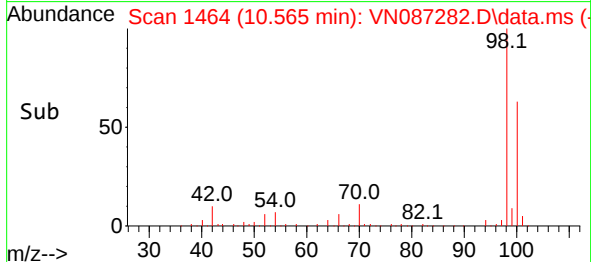
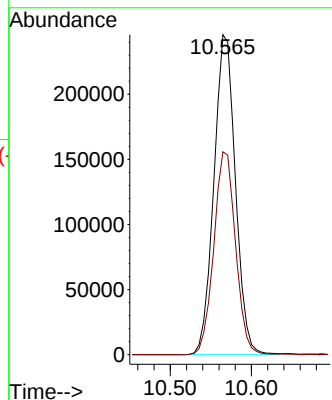
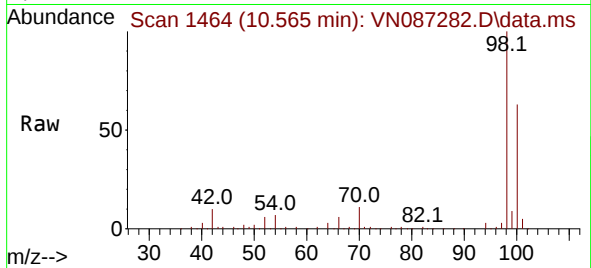




#50
Toluene-d8
Concen: 47.668 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

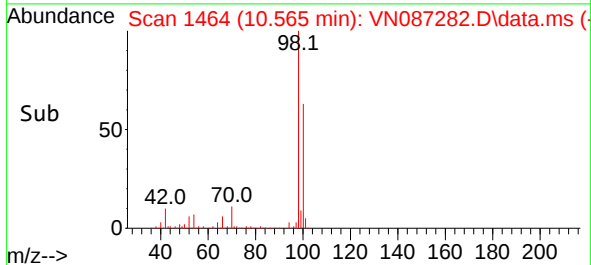
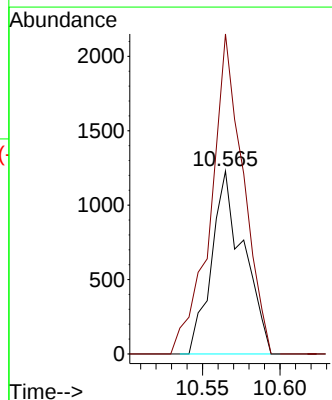
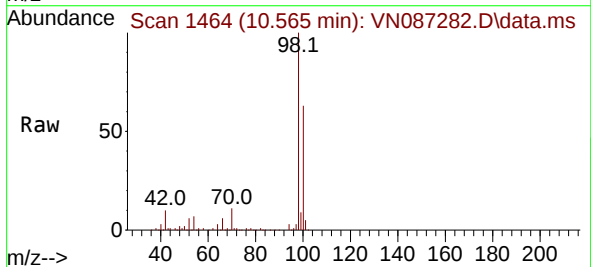
Instrument :
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VSTDCCC050

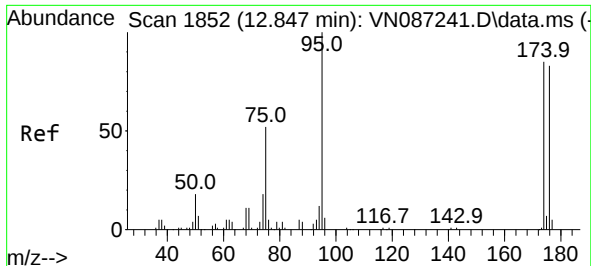
Tgt Ion: 98 Resp: 453536
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.520 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

Tgt Ion: 43 Resp: 1760
Ion Ratio Lower Upper
43 100
58 178.2 34.2 51.2#

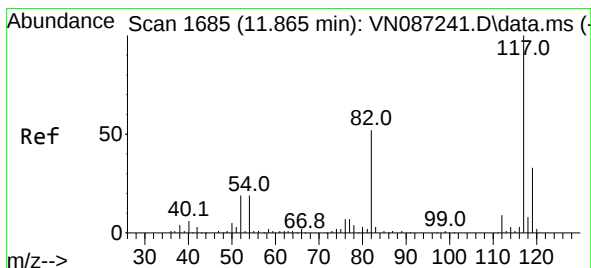
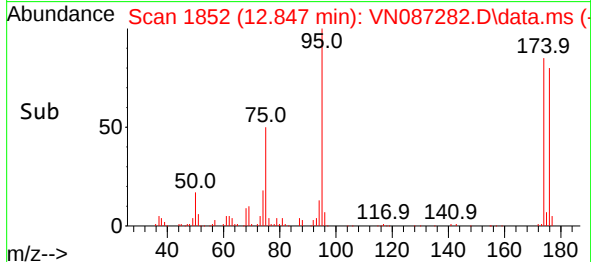
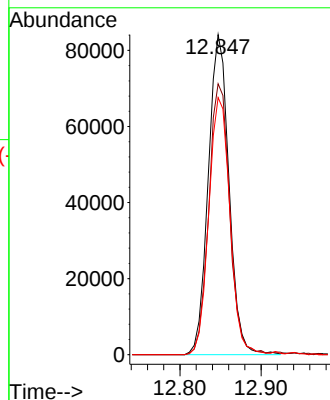
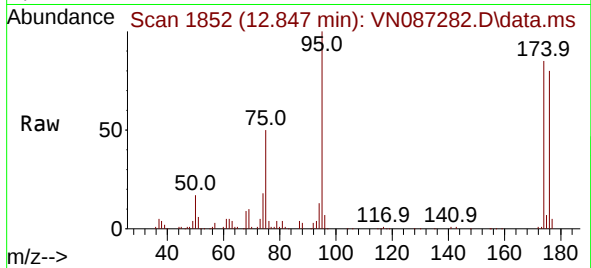




#62
4-Bromofluorobenzene
Concen: 44.038 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

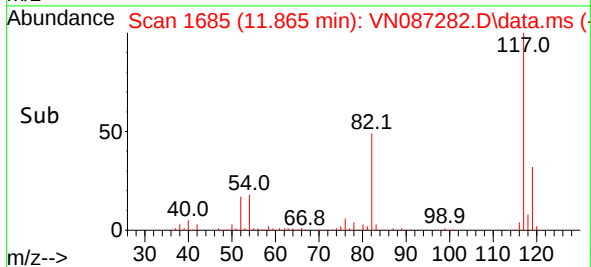
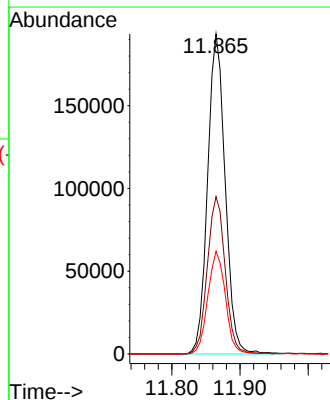
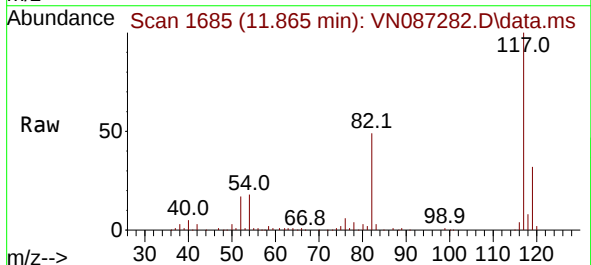
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

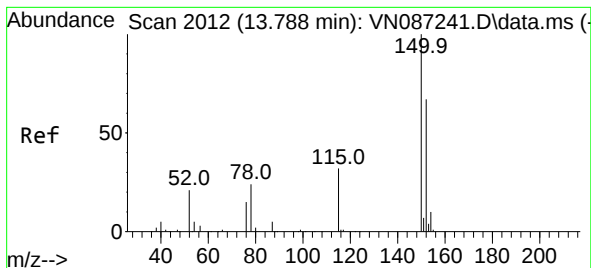
Tgt Ion: 95 Resp: 149081
Ion Ratio Lower Upper
95 100
174 85.6 0.0 169.6
176 82.0 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

Tgt Ion: 117 Resp: 346515
Ion Ratio Lower Upper
117 100
82 49.2 41.9 62.9
119 32.1 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN087282.D

Acq: 07 Jul 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

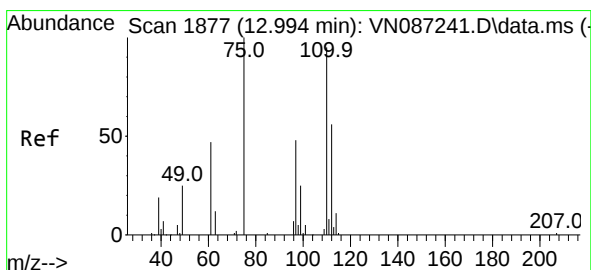
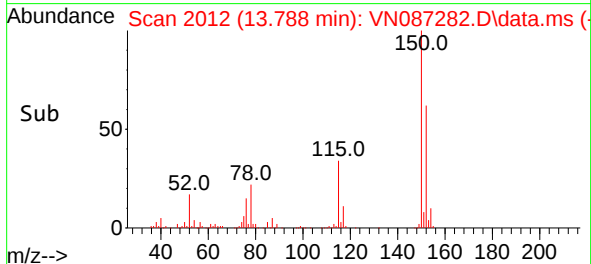
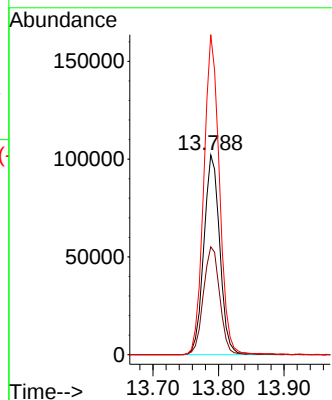
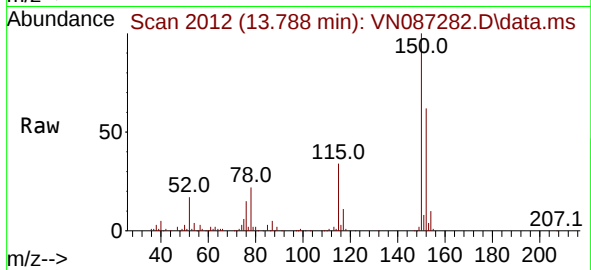
Tgt Ion:152 Resp: 173525

Ion Ratio Lower Upper

152 100

115 55.1 28.3 84.9

150 156.7 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 22.251 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087282.D

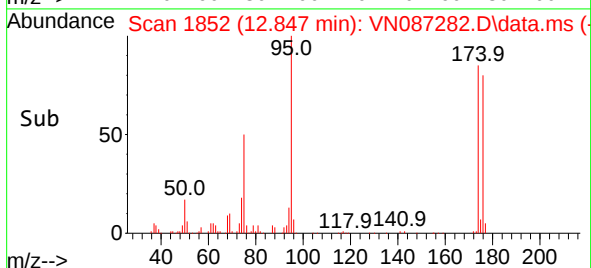
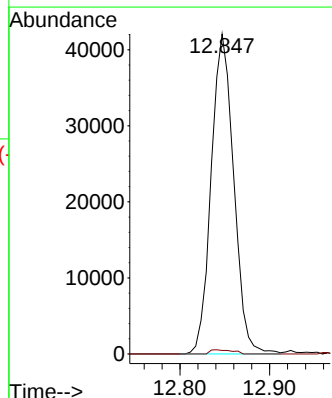
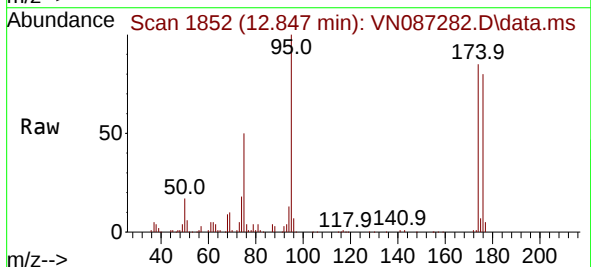
Acq: 07 Jul 2025 10:24

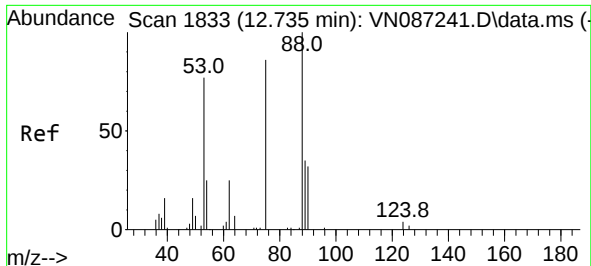
Tgt Ion: 75 Resp: 73440

Ion Ratio Lower Upper

75 100

77 1.3 82.0 245.8#

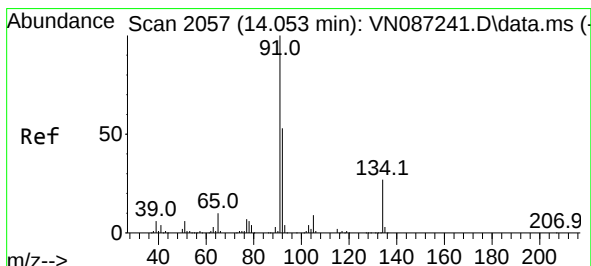
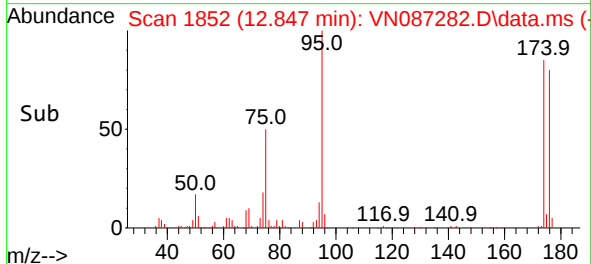
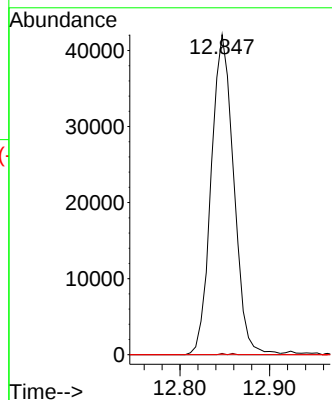
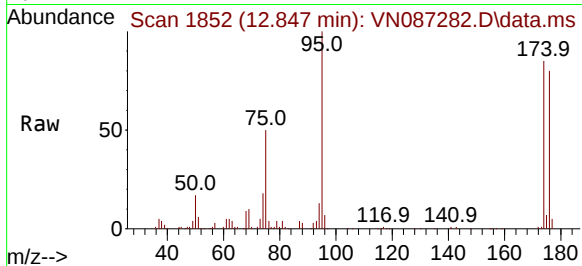




#81
trans-1,4-Dichloro-2-butene
Concen: 52.264 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

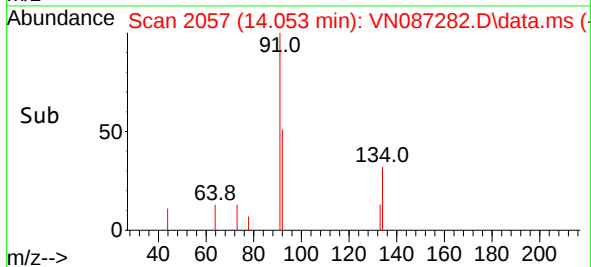
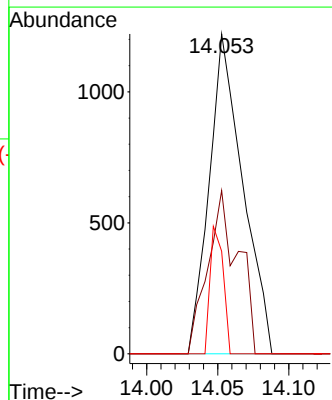
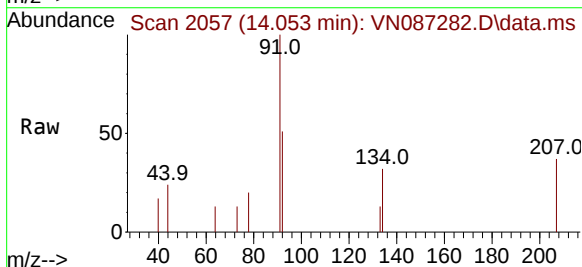
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

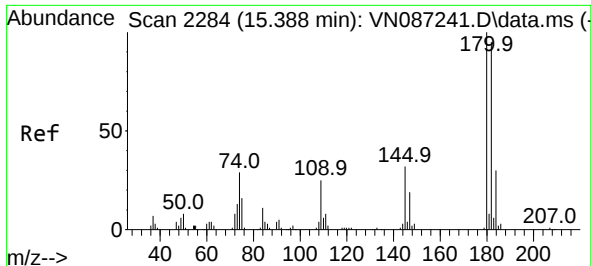
Tgt Ion: 75 Resp: 73440
Ion Ratio Lower Upper
75 100
53 0.2 70.6 105.8#
89 0.0 36.1 54.1#



#89
n-Butylbenzene
Concen: 0.228 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087282.D
Acq: 07 Jul 2025 10:24

Tgt Ion: 91 Resp: 2003
Ion Ratio Lower Upper
91 100
92 46.3 26.7 80.0
134 15.5 13.7 41.1

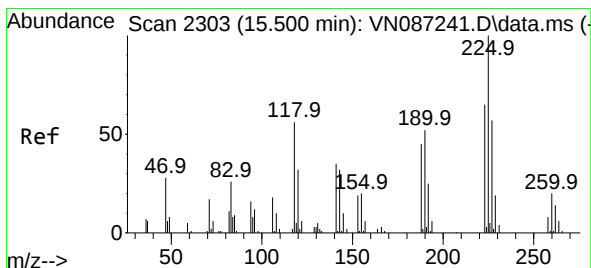
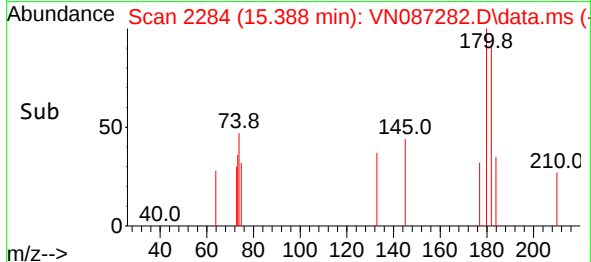
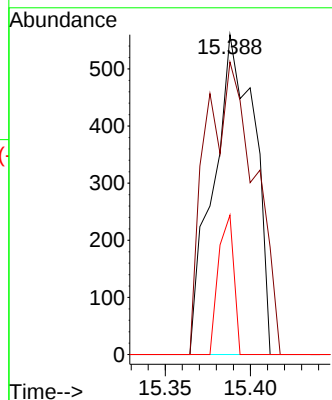
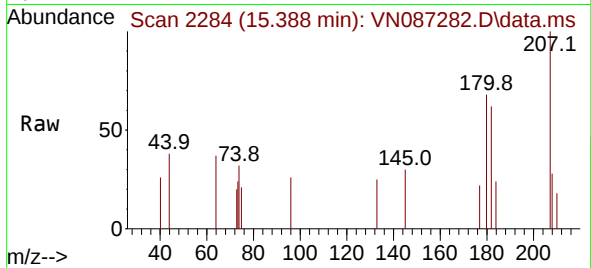




#93
 1,2,4-Trichlorobenzene
 Concen: 0.292 ug/l
 RT: 15.388 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN087282.D
 Acq: 07 Jul 2025 10:24

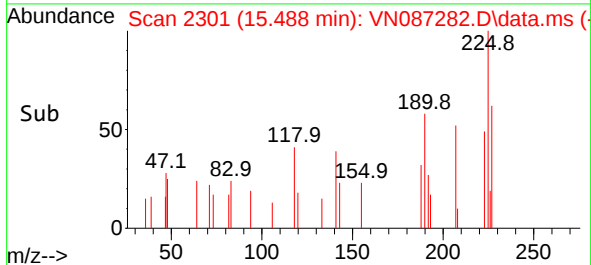
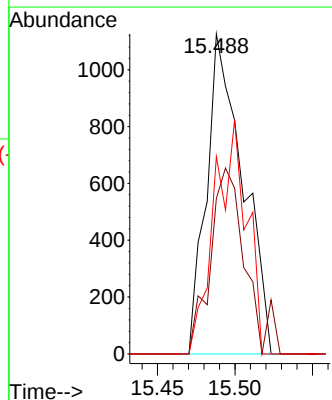
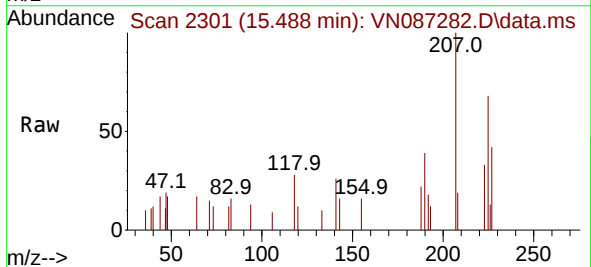
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

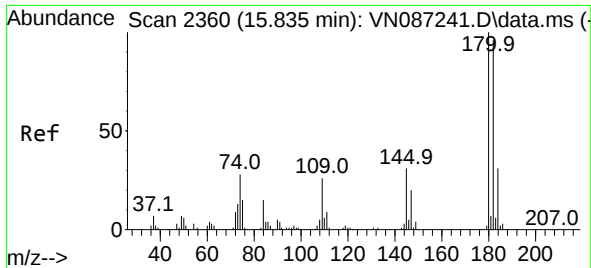
Tgt Ion:180 Resp: 940
 Ion Ratio Lower Upper
 180 100
 182 109.1 48.0 144.0
 145 16.4 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 1.800 ug/l
 RT: 15.488 min Scan# 2301
 Delta R.T. -0.012 min
 Lab File: VN087282.D
 Acq: 07 Jul 2025 10:24

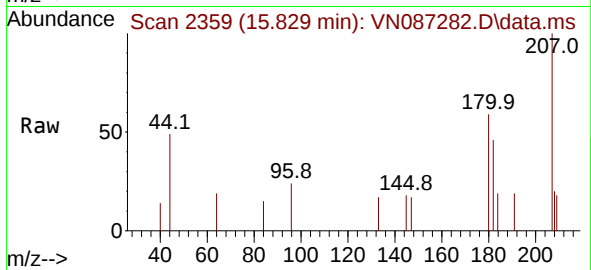
Tgt Ion:225 Resp: 1838
 Ion Ratio Lower Upper
 225 100
 223 55.9 33.5 100.4
 227 64.4 30.9 92.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.304 ug/l
 RT: 15.829 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN087282.D
 Acq: 07 Jul 2025 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion:	180	Resp:	951
Ion	Ratio	Lower	Upper
180	100		
182	102.8	47.7	143.1
145	30.6	15.7	47.1

