

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086703.D
 Acq On : 19 May 2025 20:42
 Operator : JC\MD
 Sample : Q2065-01 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VACTRUCK-728068

Quant Time: May 20 03:25:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	179280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	350696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	337827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137714	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129796	52.394	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.780%	
35) Dibromofluoromethane	8.165	113	109841	52.592	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.180%	
50) Toluene-d8	10.565	98	456141	52.702	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.400%	
62) 4-Bromofluorobenzene	12.847	95	155147	50.767	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.540%	

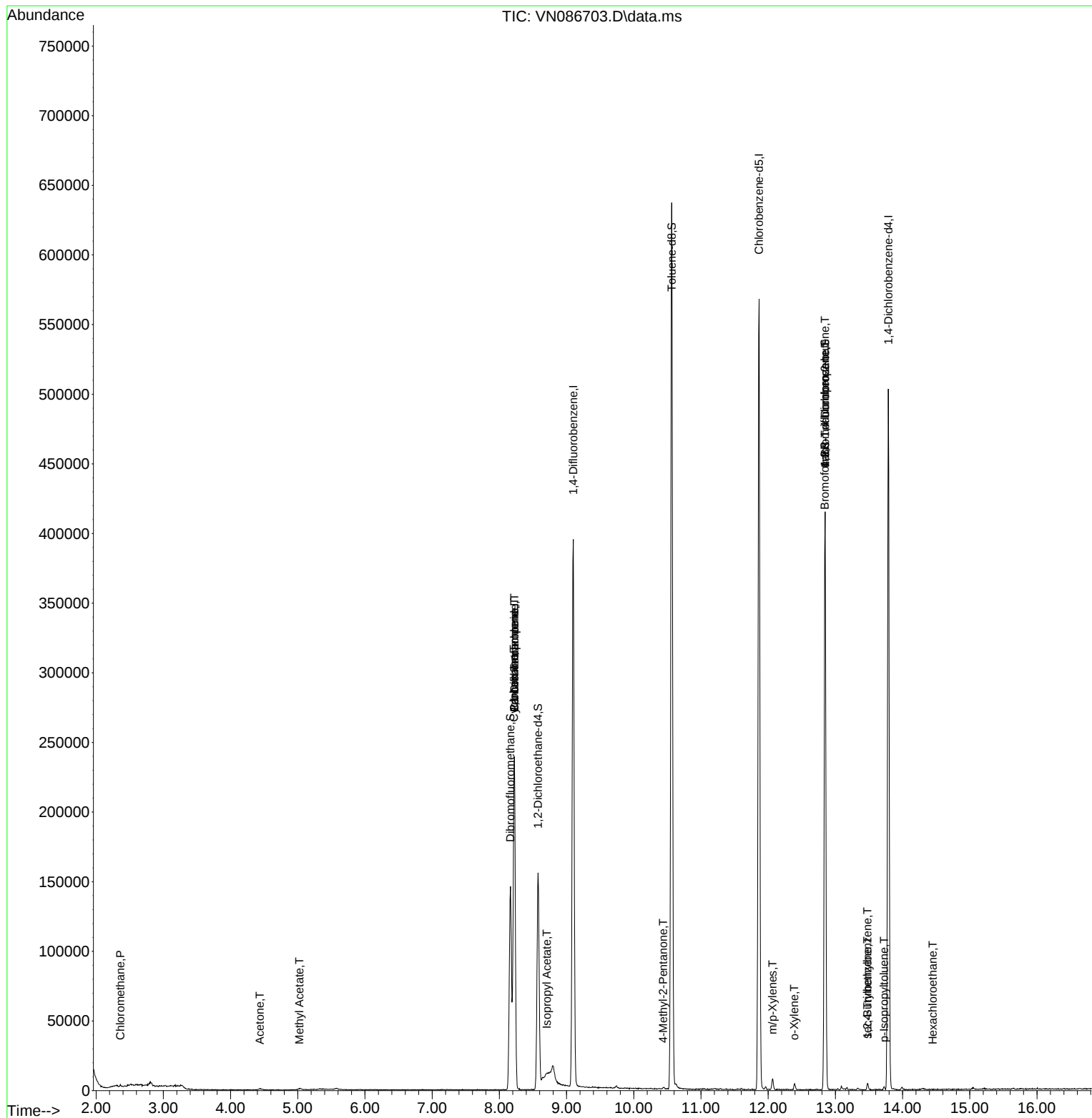
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	708	0.242	ug/l	98
16) Acetone	4.436	43	2193	2.367	ug/l #	74
18) Methyl Acetate	5.024	43	2445	0.943	ug/l #	67
31) Cyclohexane	8.218	56	3841	1.033	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14808	4.807	ug/l #	47
38) Carbon Tetrachloride	8.224	117	18051	5.947	ug/l #	17
43) Isopropyl Acetate	8.706	43	3239	0.519	ug/l #	54
51) 4-Methyl-2-Pentanone	10.435	43	1242	0.395	ug/l #	77
68) m/p-Xylenes	12.065	106	2766	0.576	ug/l	100
69) o-Xylene	12.388	106	1451	0.304	ug/l	90
71) Bromoform	12.841	173	975	0.573	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77123	24.762	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77123	62.492	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.476	105	3383	0.399	ug/l	94
85) sec-Butylbenzene	13.476	105	3383	0.340	ug/l #	56
86) p-Isopropyltoluene	13.723	119	1962	0.240	ug/l	93
90) Hexachloroethane	14.447	117	423	0.312	ug/l #	18

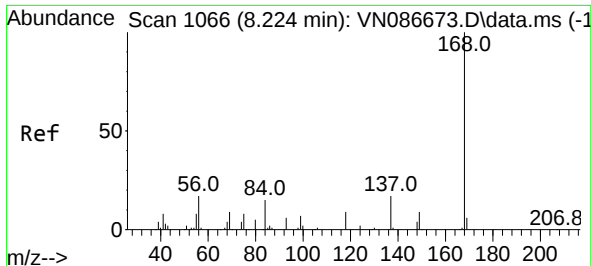
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
Data File : VN086703.D
Acq On : 19 May 2025 20:42
Operator : JC\MD
Sample : Q2065-01 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VACTRUCK-728068

Quant Time: May 20 03:25:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

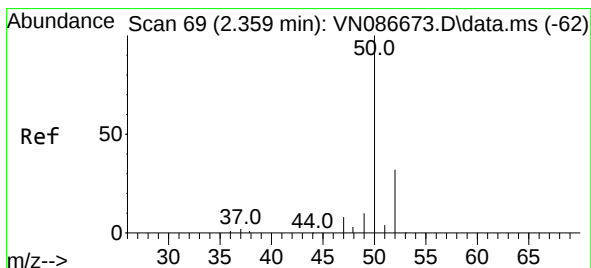
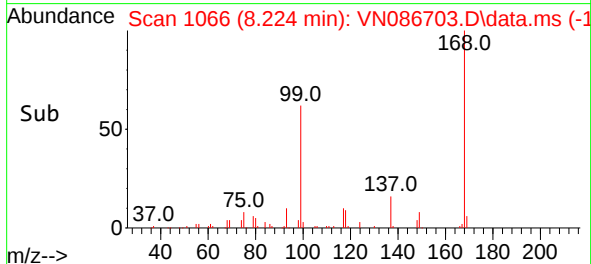
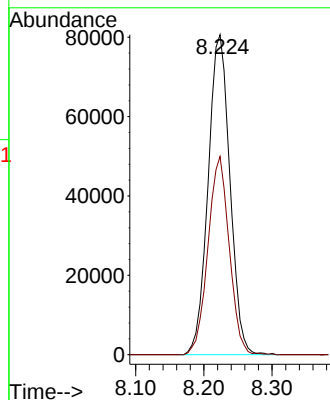
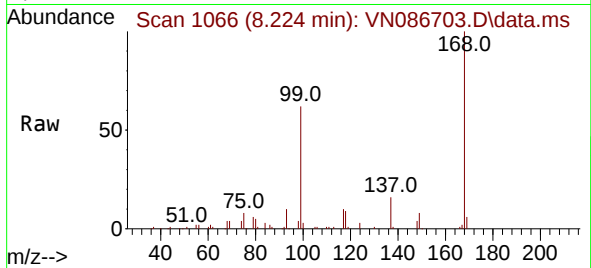




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

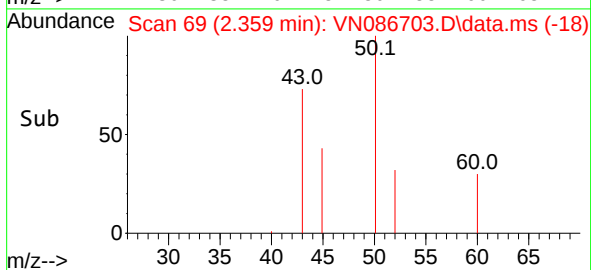
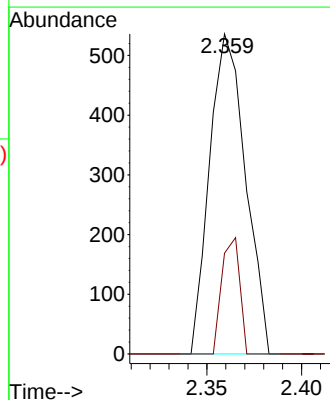
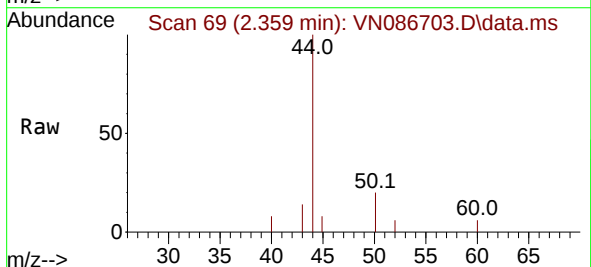
Instrument :
MSVOA_N
ClientSampleId :
VACTRUCK-728068

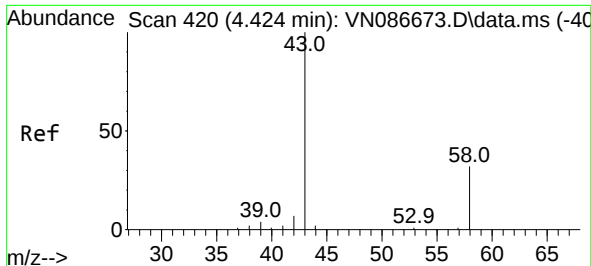
Tgt Ion:168 Resp: 179280
Ion Ratio Lower Upper
168 100
99 61.9 47.0 70.4



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

Tgt Ion: 50 Resp: 708
Ion Ratio Lower Upper
50 100
52 31.5 25.9 38.9





#16

Acetone

Concen: 2.367 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN086703.D

Acq: 19 May 2025 20:42

Instrument :

MSVOA_N

ClientSampleId :

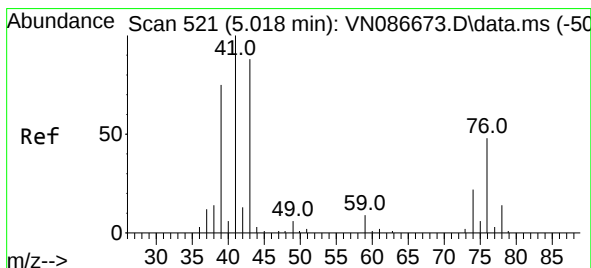
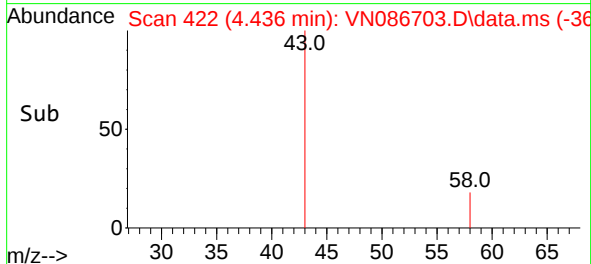
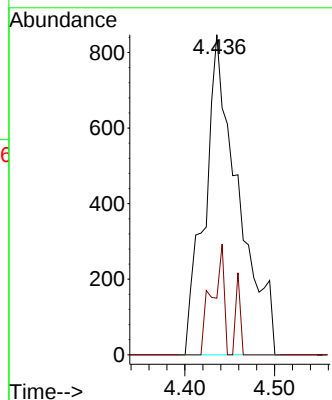
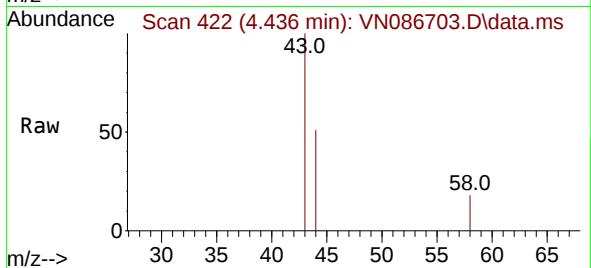
VACTRUCK-728068

Tgt Ion: 43 Resp: 2193

Ion Ratio Lower Upper

43 100

58 17.7 25.8 38.6#



#18

Methyl Acetate

Concen: 0.943 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086703.D

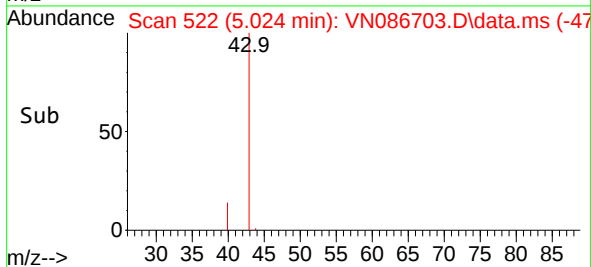
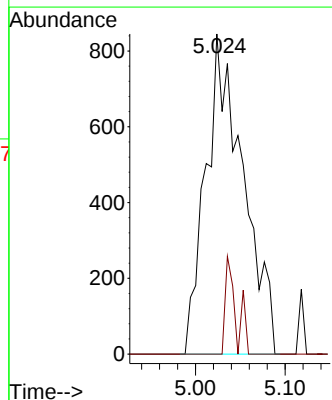
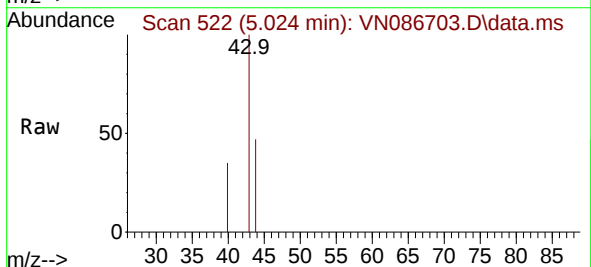
Acq: 19 May 2025 20:42

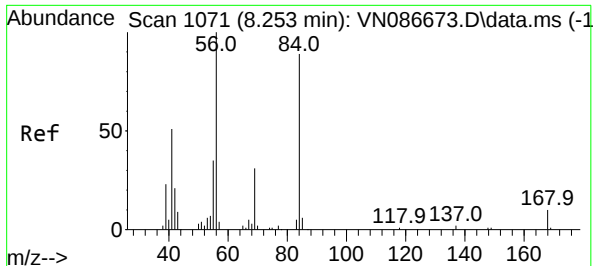
Tgt Ion: 43 Resp: 2445

Ion Ratio Lower Upper

43 100

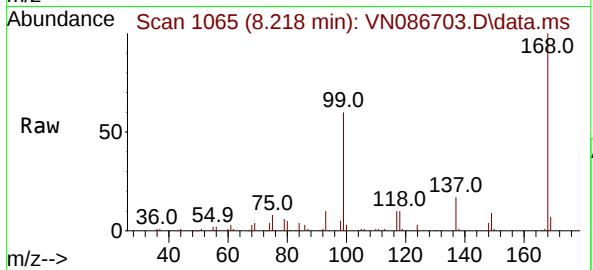
74 8.8 20.5 30.7#



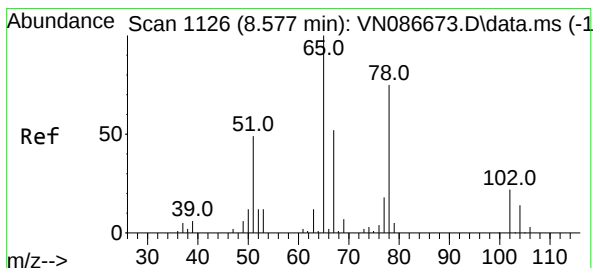
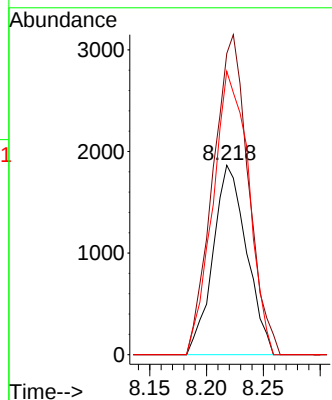
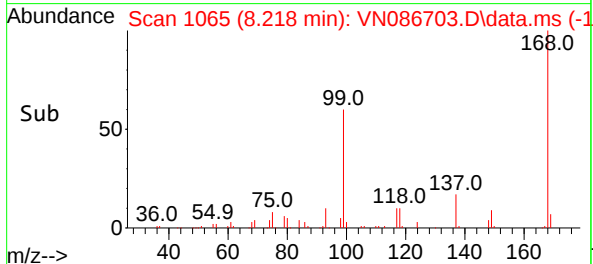


#31
Cyclohexane
Concen: 1.033 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

Instrument :
MSVOA_N
ClientSampleId :
VACTRUCK-728068

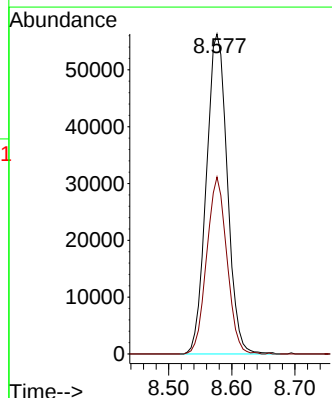
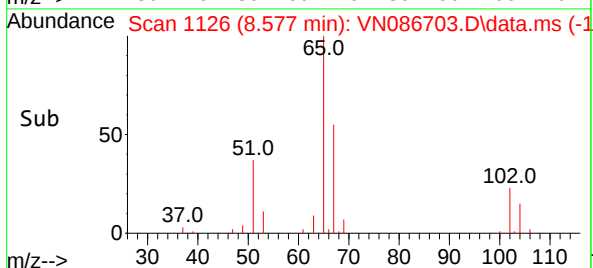
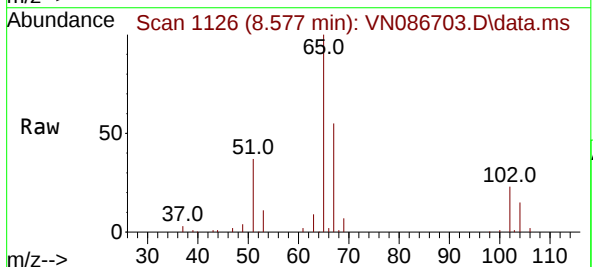


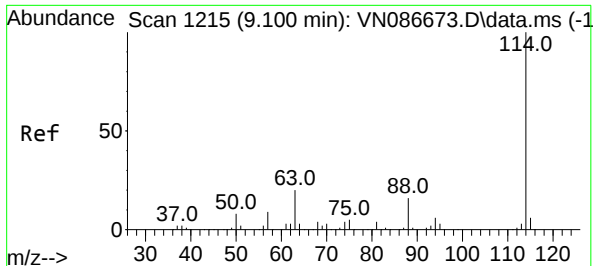
Tgt Ion: 56 Resp: 3841
Ion Ratio Lower Upper
56 100
69 158.9 25.0 37.6#
84 149.5 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 52.394 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

Tgt Ion: 65 Resp: 129796
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.4

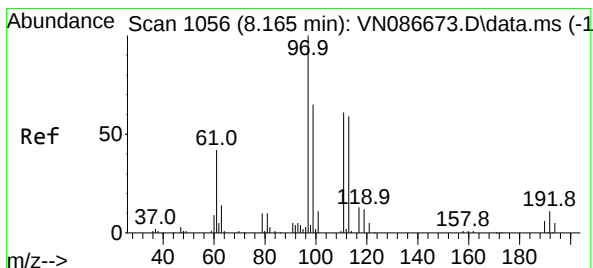
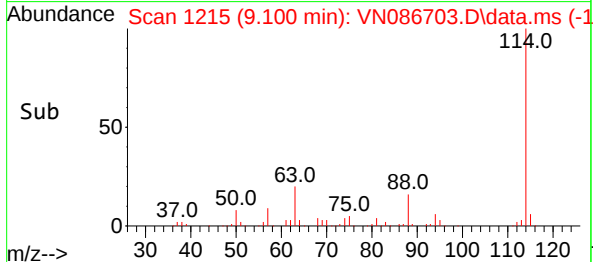
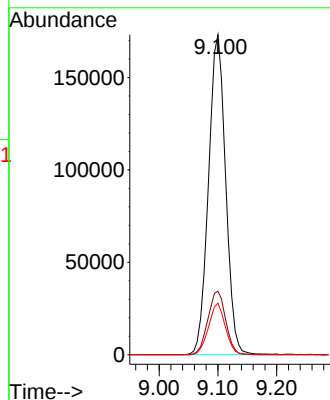
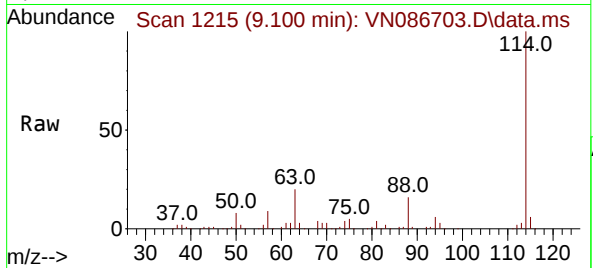




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

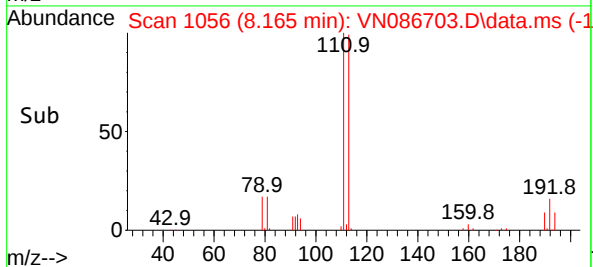
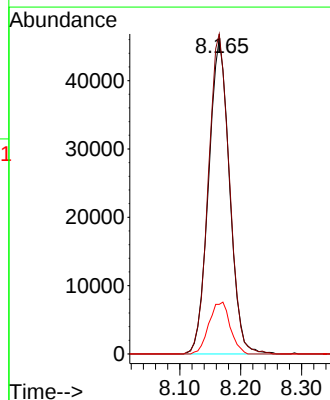
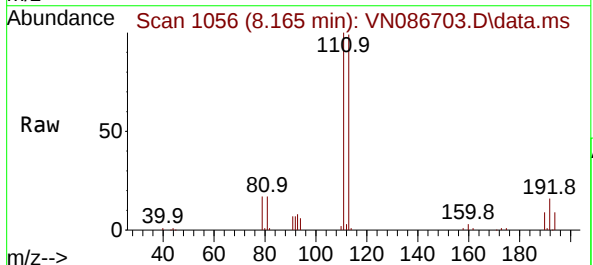
Instrument :
MSVOA_N
ClientSampleId :
VACTRUCK-728068

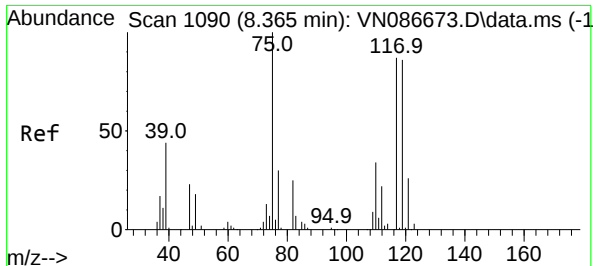
Tgt Ion:114 Resp: 350696
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.2
88 16.1 0.0 31.2



#35
Dibromofluoromethane
Concen: 52.592 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

Tgt Ion:113 Resp: 109841
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 16.7 13.8 20.8

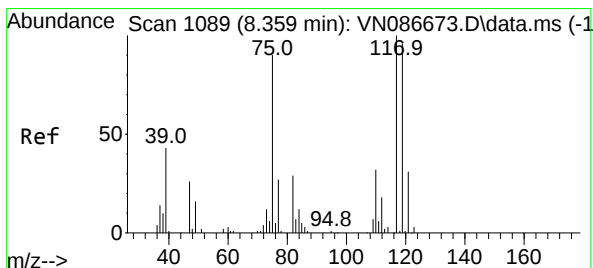
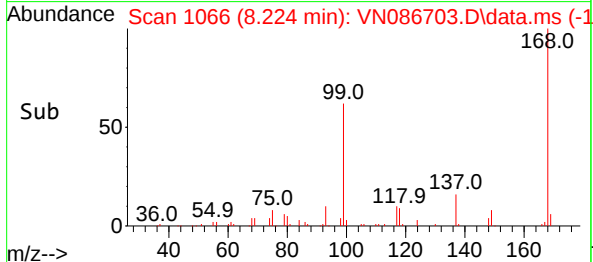
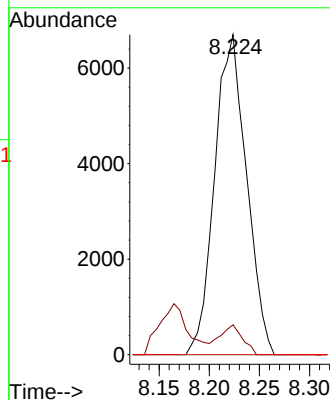
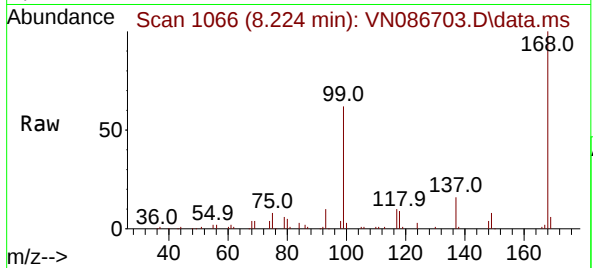




#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

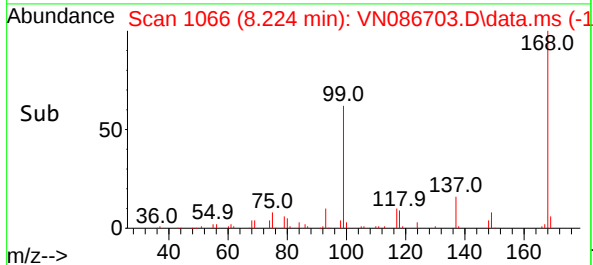
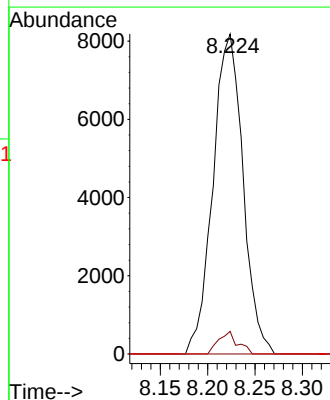
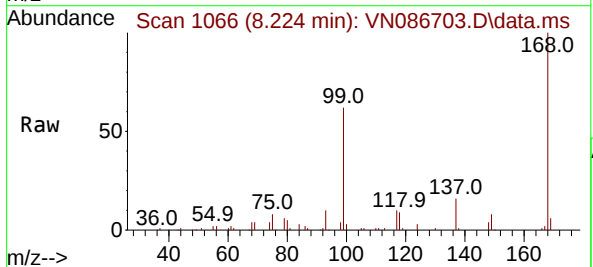
Instrument :
MSVOA_N
ClientSampleId :
VACTRUCK-728068

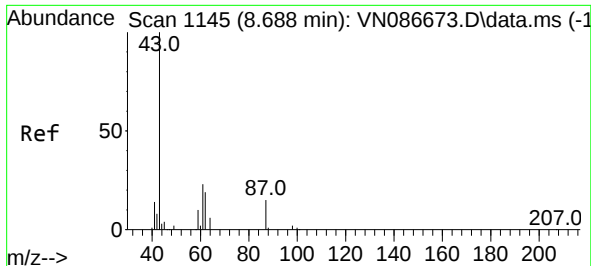
Tgt Ion: 75 Resp: 14808
Ion Ratio Lower Upper
75 100
110 6.6 17.5 52.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.947 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

Tgt Ion: 117 Resp: 18051
Ion Ratio Lower Upper
117 100
119 7.1 77.0 115.6#
121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 0.519 ug/l

RT: 8.706 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN086703.D

Acq: 19 May 2025 20:42

Instrument :

MSVOA_N

ClientSampleId :

VACTRUCK-728068

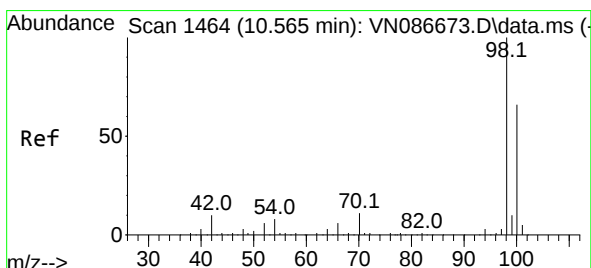
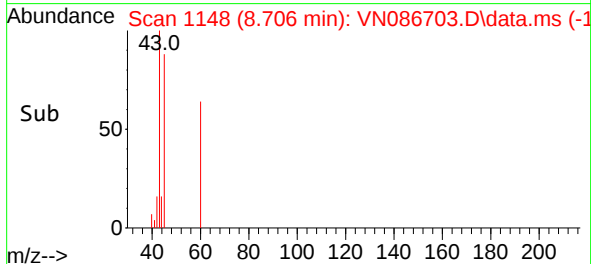
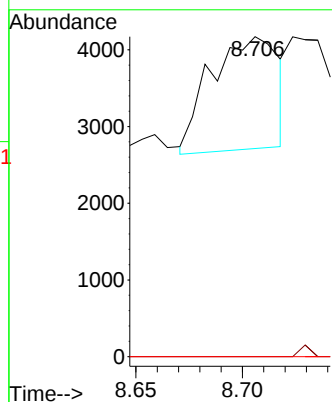
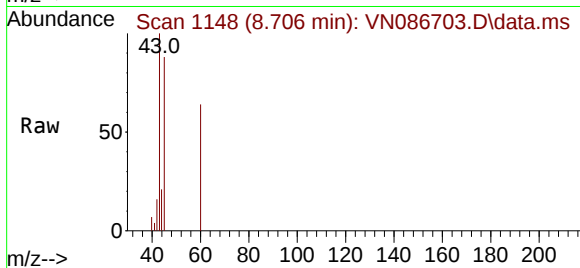
Tgt Ion: 43 Resp: 3239

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.2#

87 0.0 11.1 16.7#



#50

Toluene-d8

Concen: 52.702 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086703.D

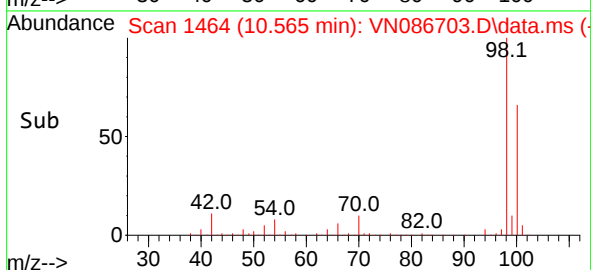
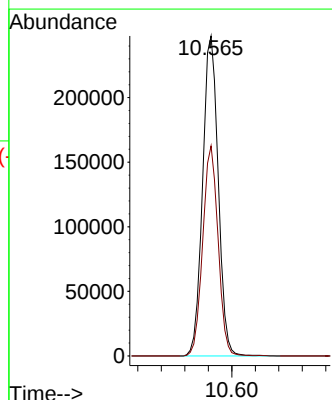
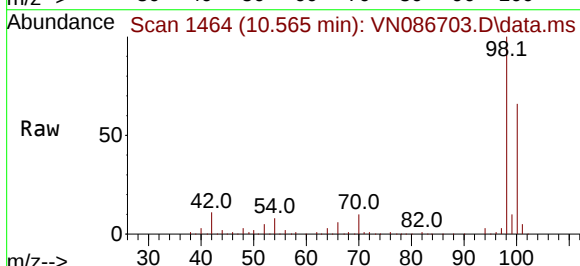
Acq: 19 May 2025 20:42

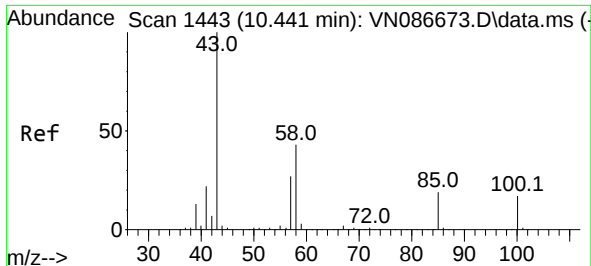
Tgt Ion: 98 Resp: 456141

Ion Ratio Lower Upper

98 100

100 64.5 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.395 ug/l

RT: 10.435 min Scan# 1442

Delta R.T. -0.006 min

Lab File: VN086703.D

Acq: 19 May 2025 20:42

Instrument :

MSVOA_N

ClientSampleId :

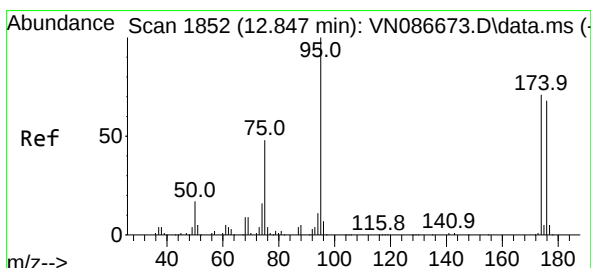
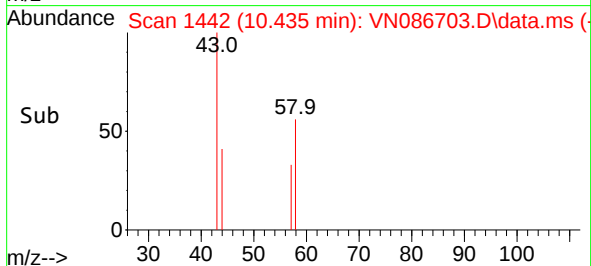
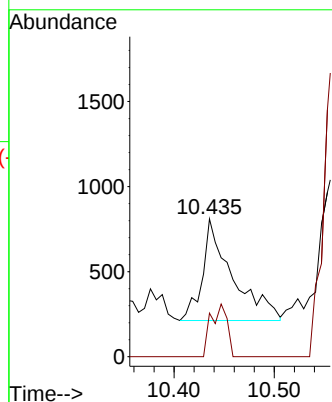
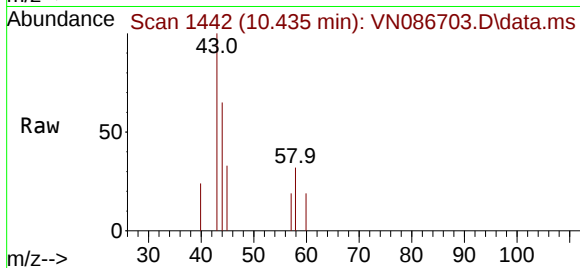
VACTRUCK-728068

Tgt Ion: 43 Resp: 1242

Ion Ratio Lower Upper

43 100

58 28.0 33.9 50.9#



#62

4-Bromofluorobenzene

Concen: 50.767 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086703.D

Acq: 19 May 2025 20:42

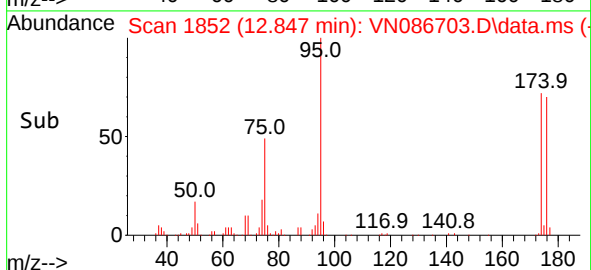
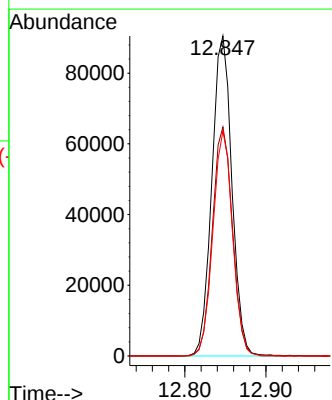
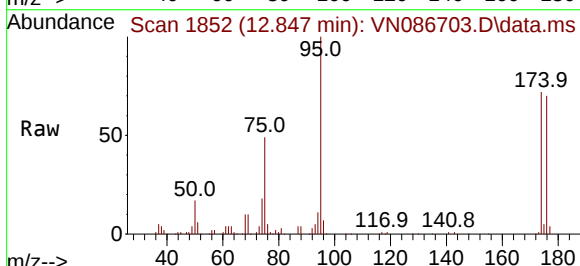
Tgt Ion: 95 Resp: 155147

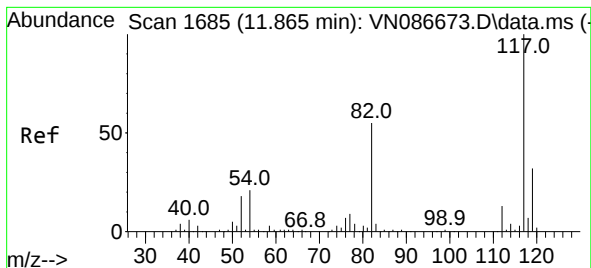
Ion Ratio Lower Upper

95 100

174 71.9 0.0 145.4

176 68.9 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086703.D

Acq: 19 May 2025 20:42

Instrument :

MSVOA_N

ClientSampleId :

VACTRUCK-728068

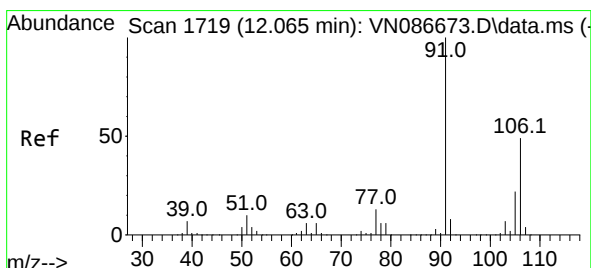
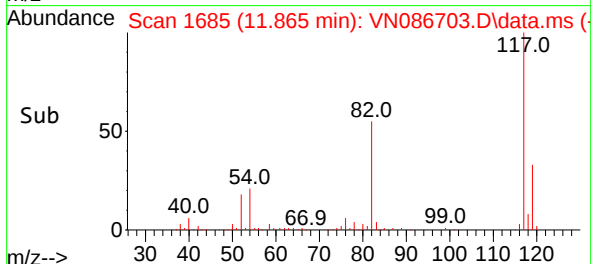
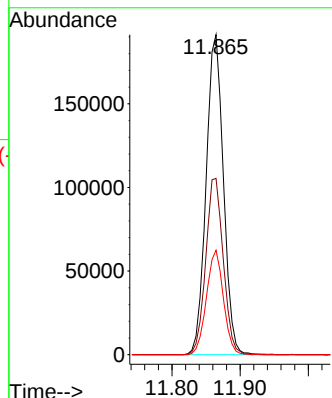
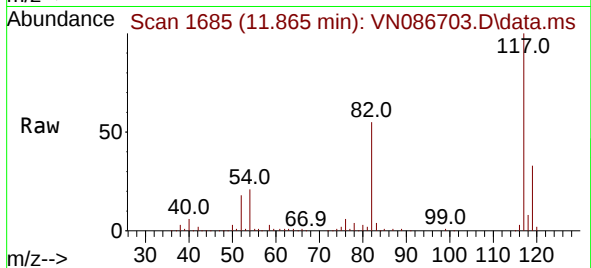
Tgt Ion:117 Resp: 337827

Ion Ratio Lower Upper

117 100

82 55.1 44.2 66.2

119 32.7 25.4 38.2



#68

m/p-Xylenes

Concen: 0.576 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.000 min

Lab File: VN086703.D

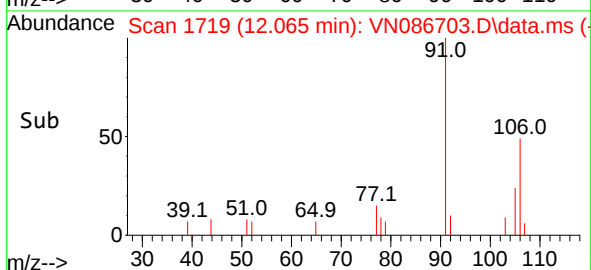
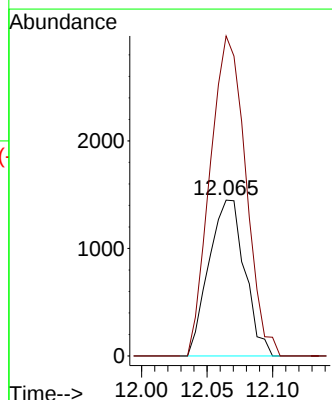
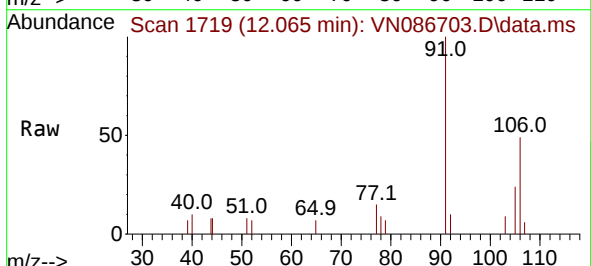
Acq: 19 May 2025 20:42

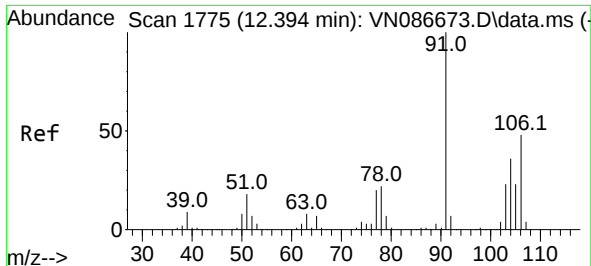
Tgt Ion:106 Resp: 2766

Ion Ratio Lower Upper

106 100

91 203.4 162.4 243.6

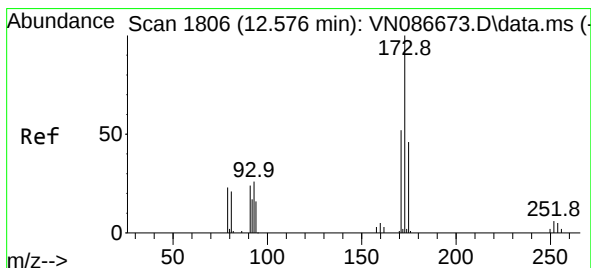
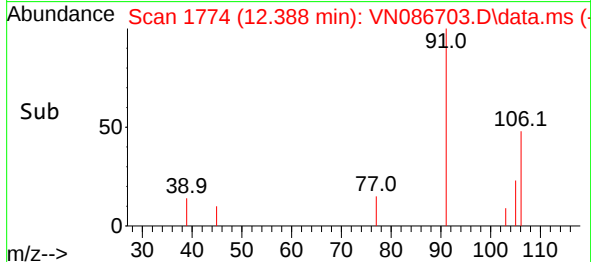
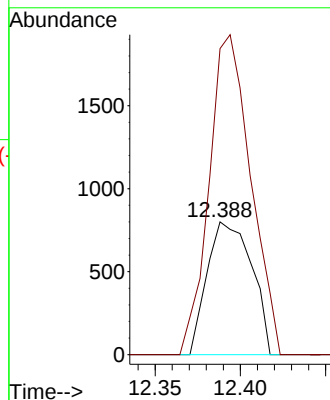
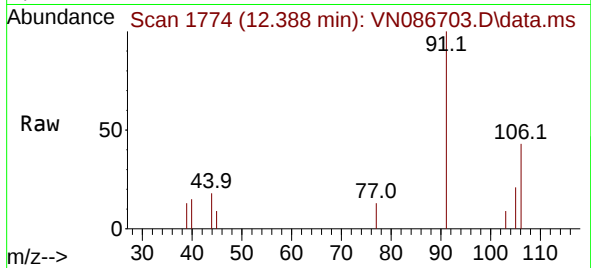




#69
o-Xylene
Concen: 0.304 ug/l
RT: 12.388 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

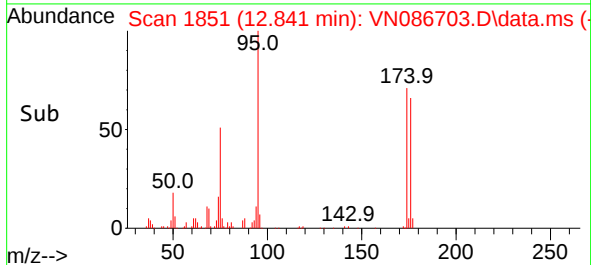
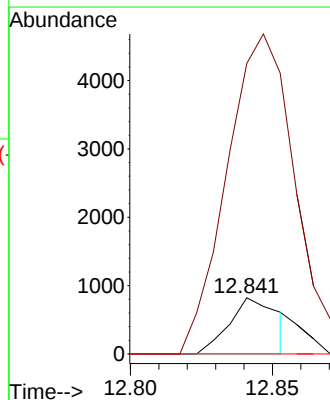
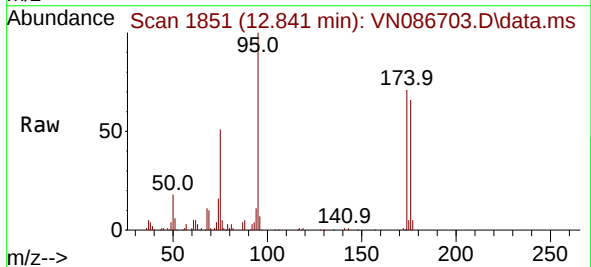
Instrument :
MSVOA_N
ClientSampleId :
VACTRUCK-728068

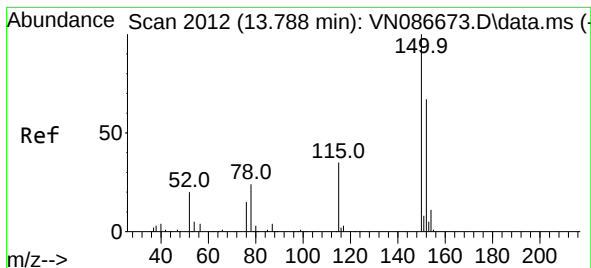
Tgt Ion:106 Resp: 1451
Ion Ratio Lower Upper
106 100
91 226.2 105.1 315.1



#71
Bromoform
Concen: 0.573 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

Tgt Ion:173 Resp: 975
Ion Ratio Lower Upper
173 100
175 655.9 23.4 70.2#
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: VN086703.D

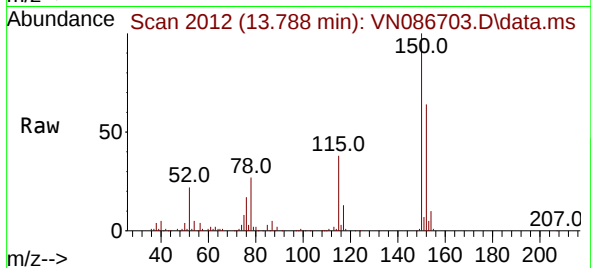
Acq: 19 May 2025 20:42

Instrument :

MSVOA_N

ClientSampleId :

VACTRUCK-728068



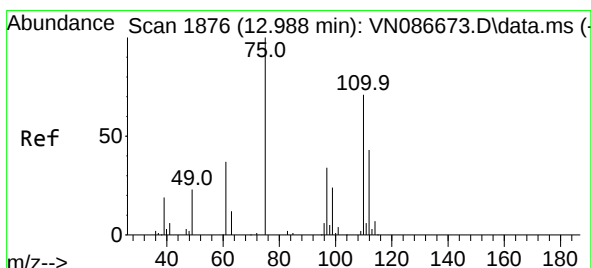
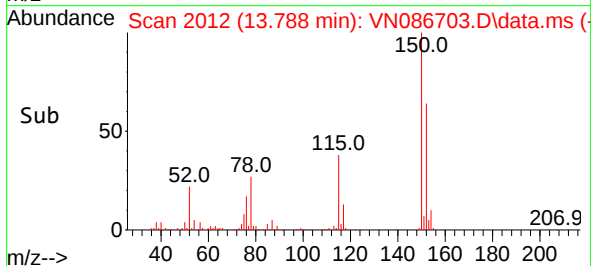
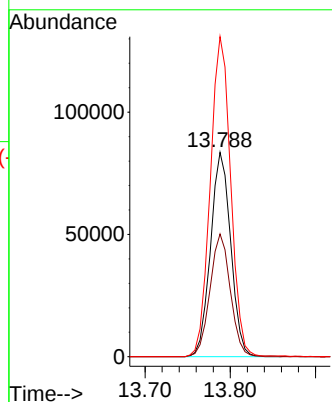
Tgt Ion:152 Resp: 137714

Ion Ratio Lower Upper

152 100

115 60.5 30.0 90.1

150 158.4 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 24.762 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086703.D

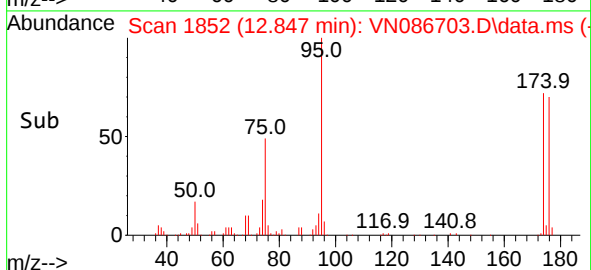
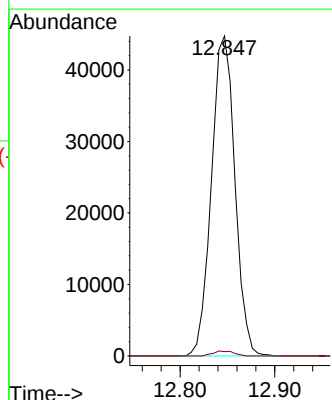
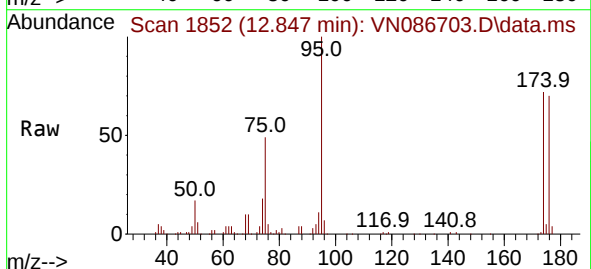
Acq: 19 May 2025 20:42

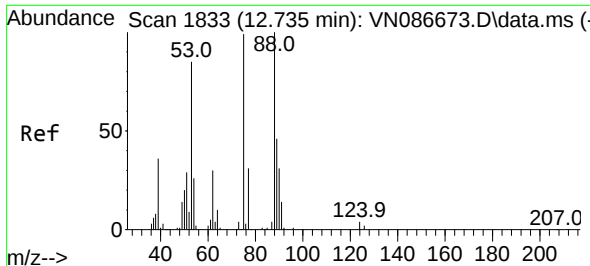
Tgt Ion: 75 Resp: 77123

Ion Ratio Lower Upper

75 100

77 1.4 96.0 288.1#

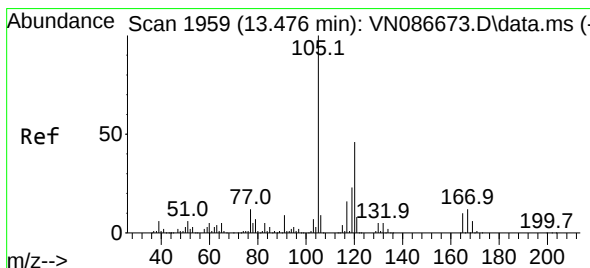
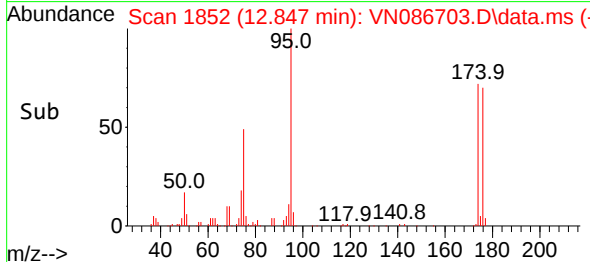
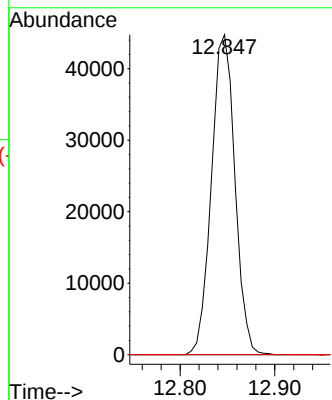
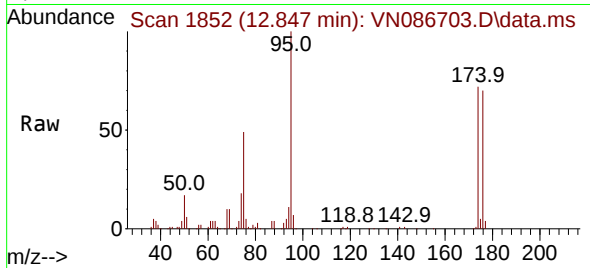




#81
trans-1,4-Dichloro-2-butene
Concen: 62.492 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

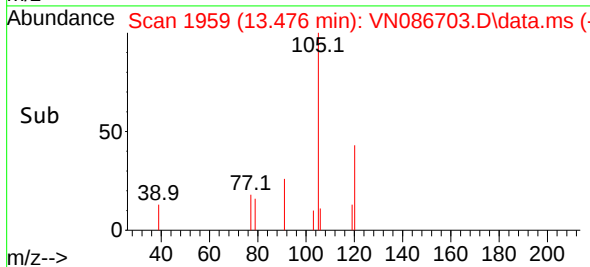
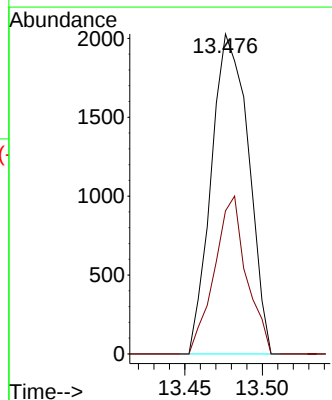
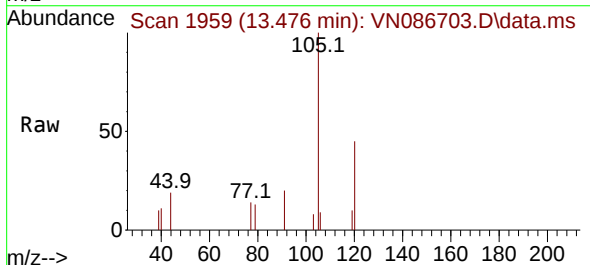
Instrument :
MSVOA_N
ClientSampleId :
VACTRUCK-728068

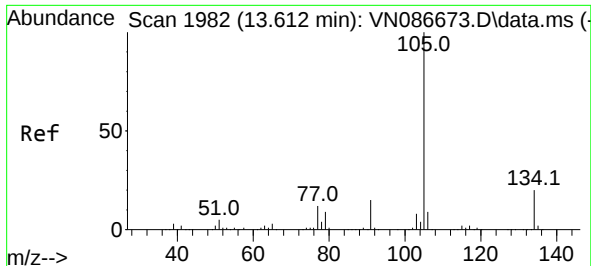
Tgt Ion: 75 Resp: 77123
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.399 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086703.D
Acq: 19 May 2025 20:42

Tgt Ion: 105 Resp: 3383
Ion Ratio Lower Upper
105 100
120 42.6 23.2 69.6

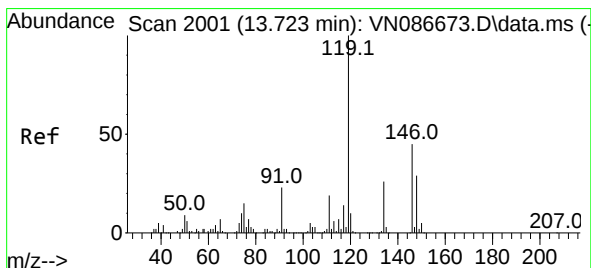
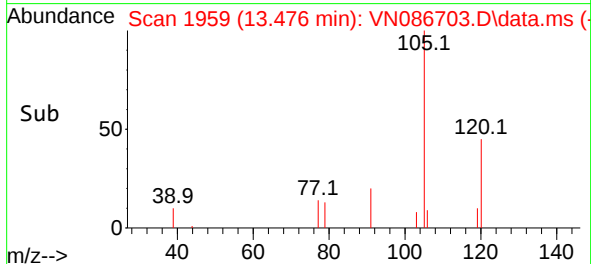
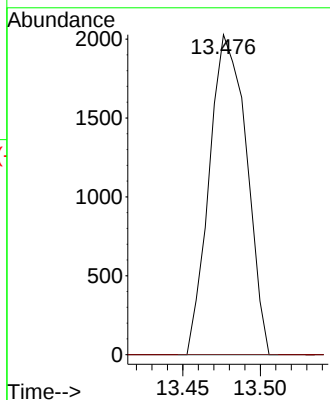
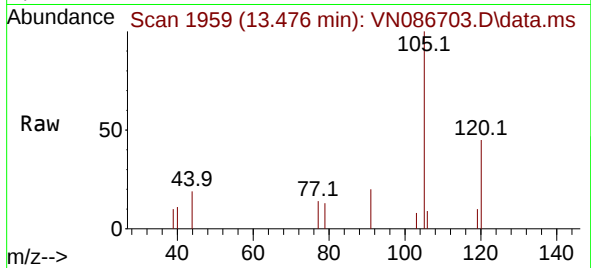




#85
 sec-Butylbenzene
 Concen: 0.340 ug/l
 RT: 13.476 min Scan# 1982
 Delta R.T. -0.135 min
 Lab File: VN086703.D
 Acq: 19 May 2025 20:42

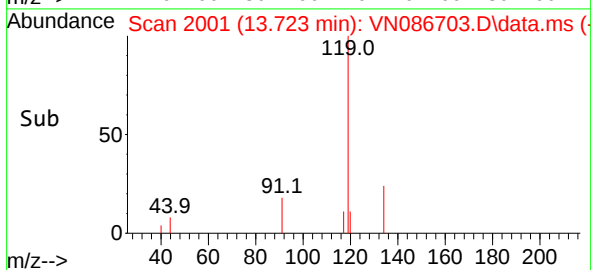
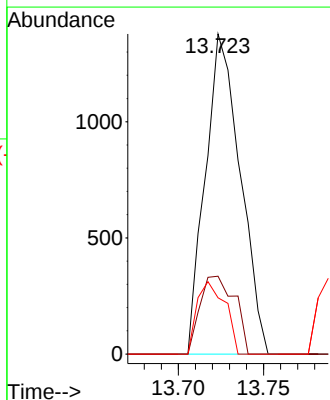
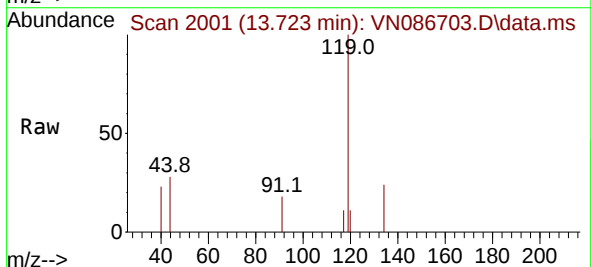
Instrument :
 MSVOA_N
 ClientSampleId :
 VACTRUCK-728068

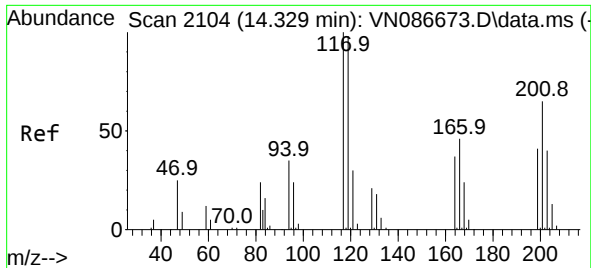
Tgt Ion:105 Resp: 3383
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#86
 p-Isopropyltoluene
 Concen: 0.240 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086703.D
 Acq: 19 May 2025 20:42

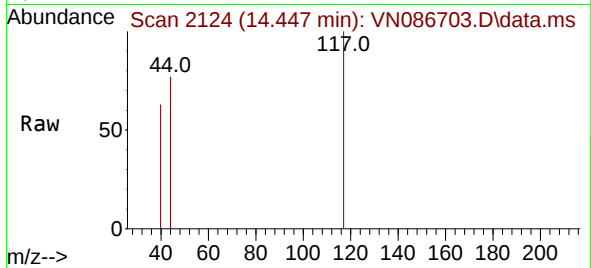
Tgt Ion:119 Resp: 1962
 Ion Ratio Lower Upper
 119 100
 134 24.2 13.1 39.1
 91 18.2 11.5 34.5





#90
 Hexachloroethane
 Concen: 0.312 ug/l
 RT: 14.447 min Scan# 21
 Delta R.T. 0.117 min
 Lab File: VN086703.D
 Acq: 19 May 2025 20:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VACTRUCK-728068



Tgt Ion:117 Resp: 423
 Ion Ratio Lower Upper
 117 100
 201 0.0 32.0 96.0#

