

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087214.D
 Acq On : 27 Jun 2025 12:29
 Operator : JC\MD
 Sample : Q2418-01 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VAC-TRUCK-4074

Quant Time: Jun 27 23:42:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

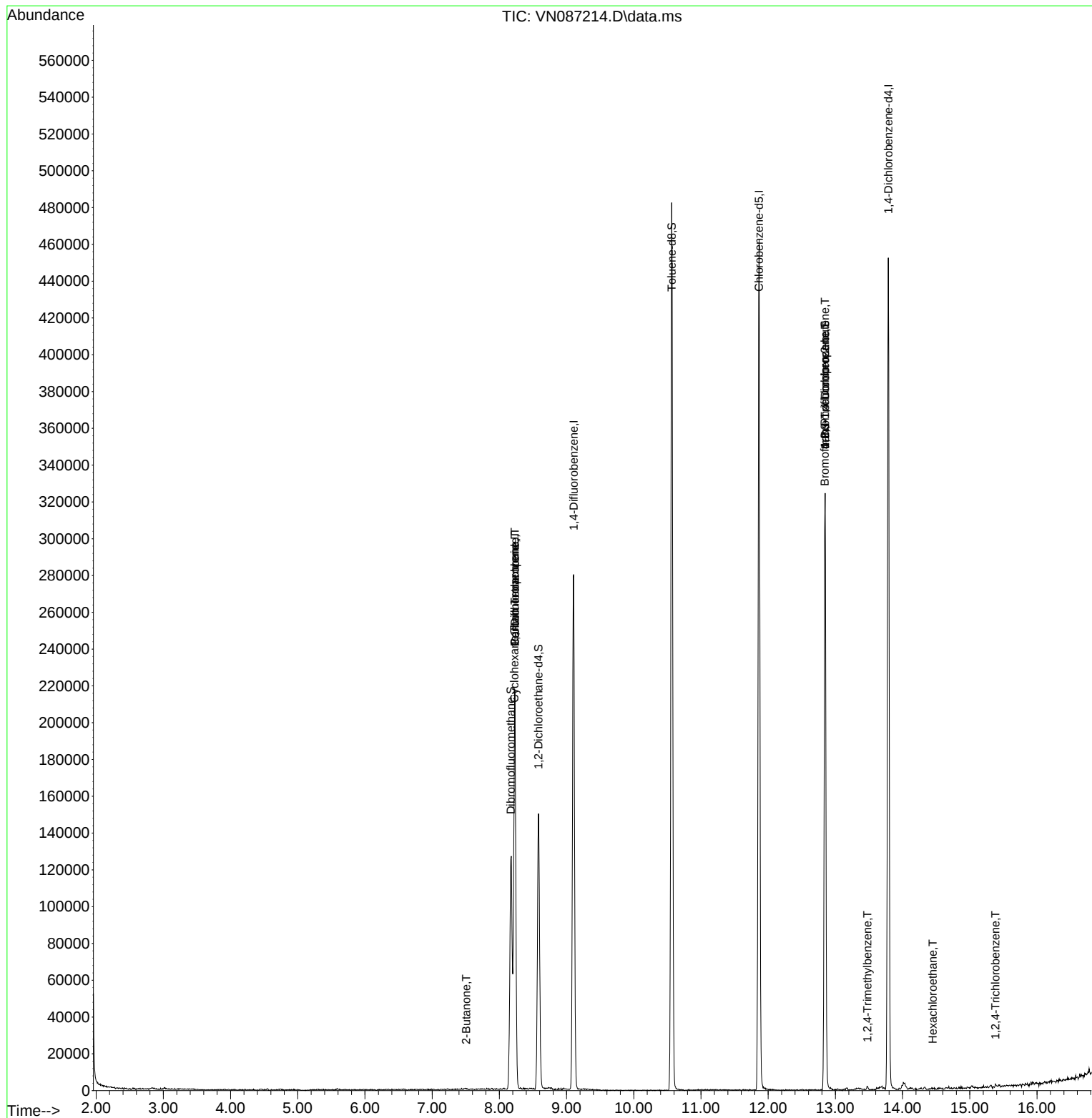
Internal Standards						
1) Pentafluorobenzene	8.230	168	160109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	252544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	120855	52.452	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.900%		
35) Dibromofluoromethane	8.171	113	96593	59.161	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 118.320%		
50) Toluene-d8	10.565	98	342358	50.699	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.400%		
62) 4-Bromofluorobenzene	12.847	95	130536	55.709	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 111.420%		
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	1183	Below Cal		100
17) Carbon Disulfide	4.736	76	678	Below Cal	#	76
20) Methylene Chloride	5.289	84	128	Below Cal	#	51
25) 2-Butanone	7.506	43	1268	0.726	ug/l #	87
31) Cyclohexane	8.224	56	3410	0.956	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	13163	5.504	ug/l #	48
37) Ethyl Acetate	7.506	43	1268	Below Cal	#	68
38) Carbon Tetrachloride	8.230	117	16169	6.942	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	1357	Below Cal	#	1
71) Bromoform	12.841	173	479	0.321	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	63634	22.117	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63634	49.638	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.476	105	1900	0.260	ug/l	92
90) Hexachloroethane	14.447	117	488	0.337	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.382	180	479	0.214	ug/l #	82

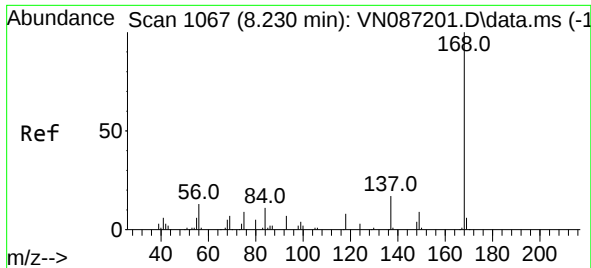
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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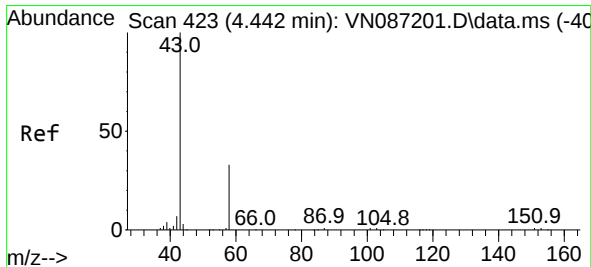
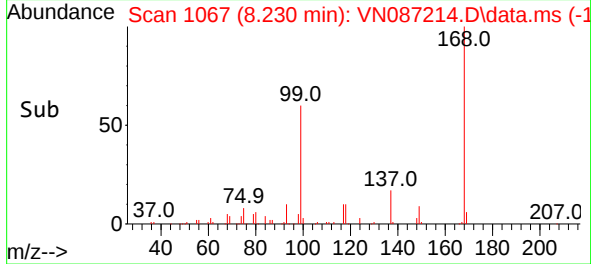
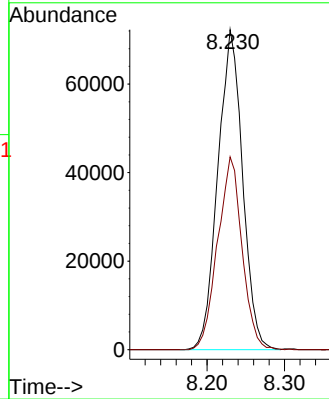
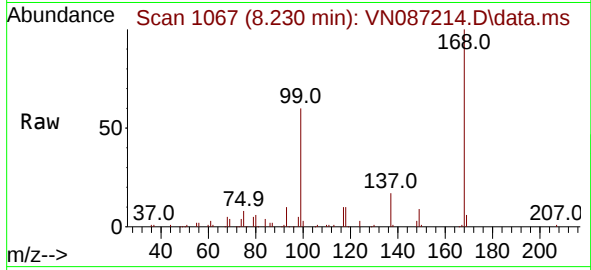




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087214.D
Acq: 27 Jun 2025 12:29

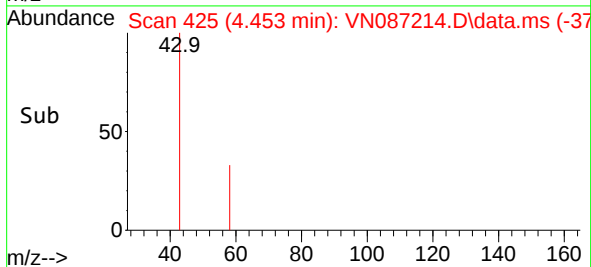
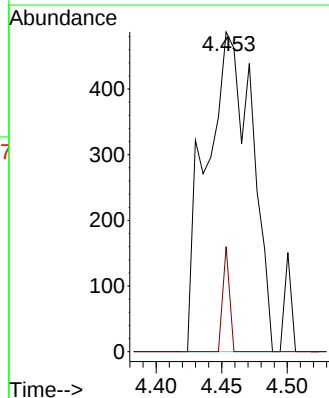
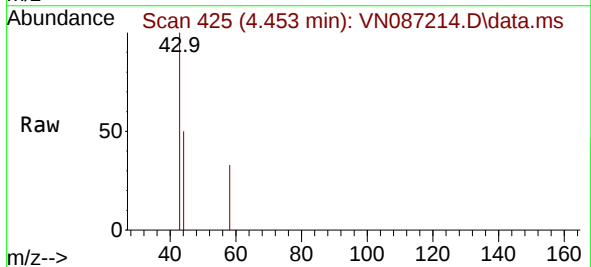
Instrument :
MSVOA_N
ClientSampleId :
VAC-TRUCK-4074

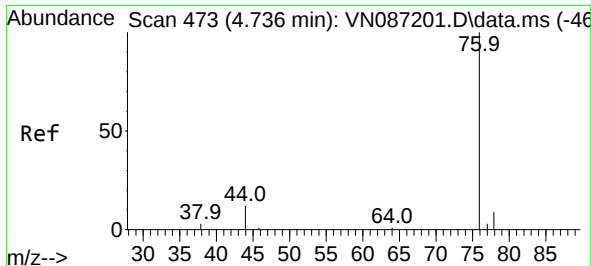
Tgt Ion:168 Resp: 160109
Ion Ratio Lower Upper
168 100
99 60.2 47.9 71.9



#16
Acetone
Concen: Below Cal
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN087214.D
Acq: 27 Jun 2025 12:29

Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
58 32.9 26.5 39.7





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.736 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN087214.D

Acq: 27 Jun 2025 12:29

Instrument :

MSVOA_N

ClientSampleId :

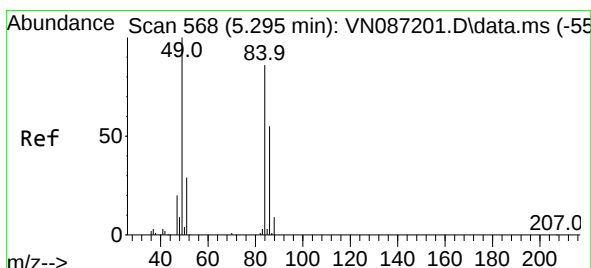
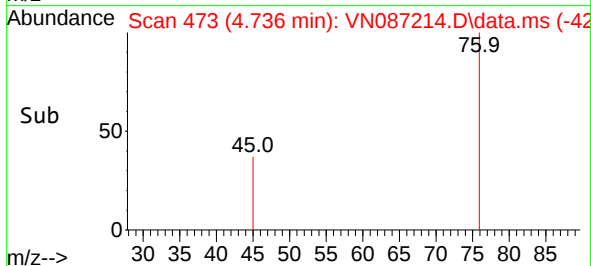
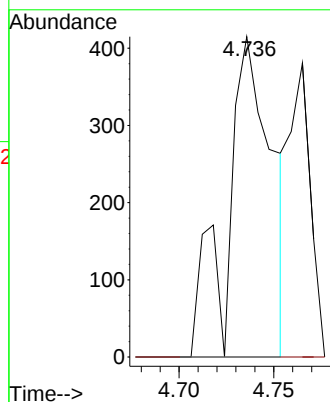
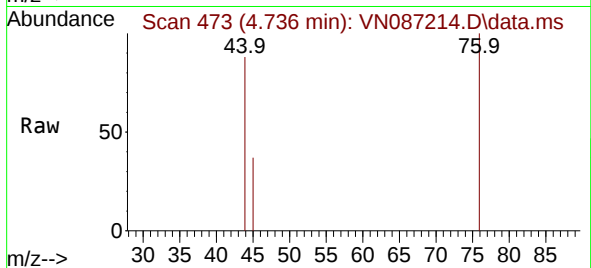
VAC-TRUCK-4074

Tgt Ion: 76 Resp: 678

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 567

Delta R.T. -0.006 min

Lab File: VN087214.D

Acq: 27 Jun 2025 12:29

Tgt Ion: 84 Resp: 128

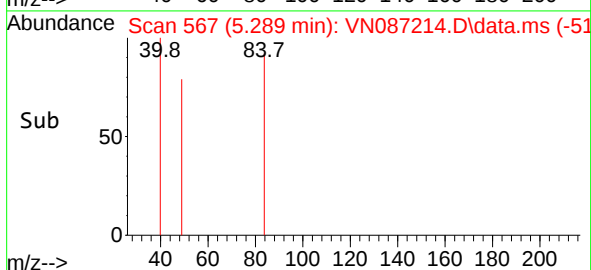
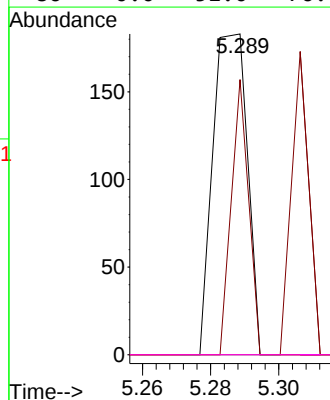
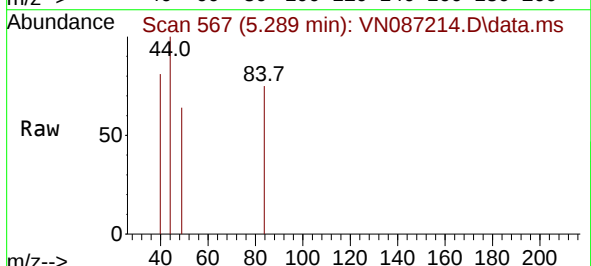
Ion Ratio Lower Upper

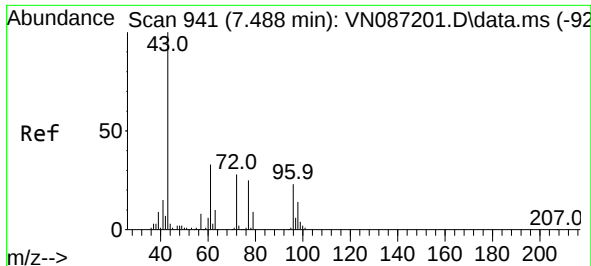
84 100

49 85.8 93.0 139.6#

51 0.0 27.2 40.8#

86 0.0 51.0 76.4#

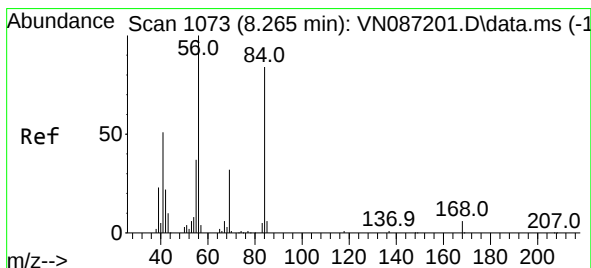
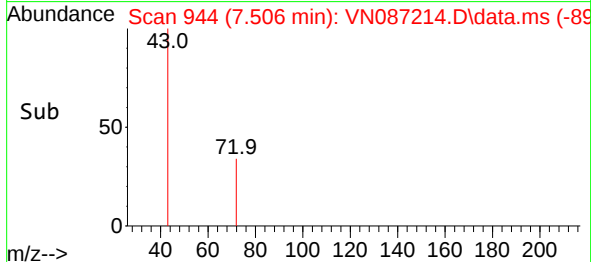
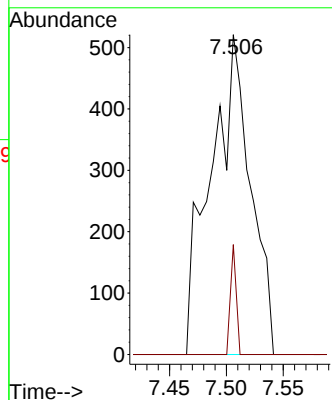
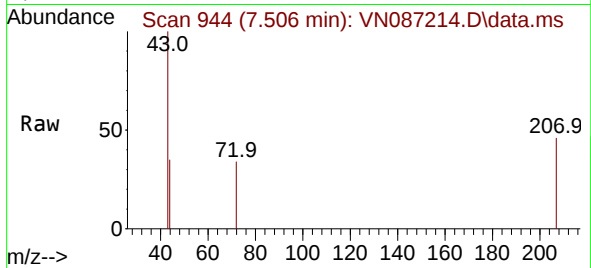




#25
2-Butanone
Concen: 0.726 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN087214.D
Acq: 27 Jun 2025 12:29

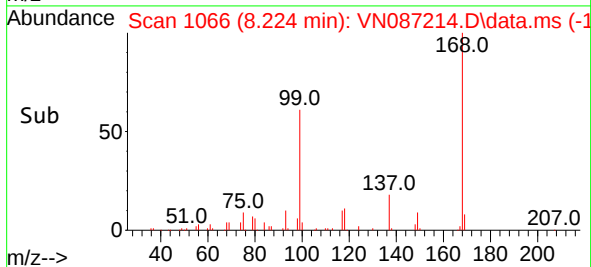
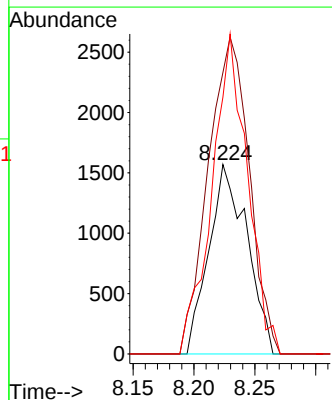
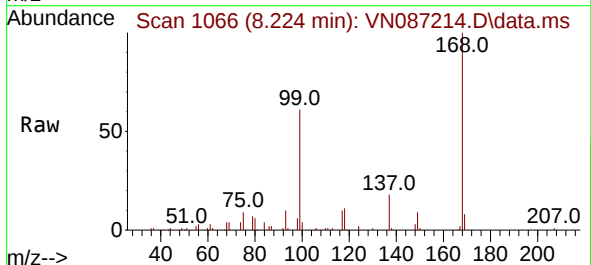
Instrument :
MSVOA_N
ClientSampleId :
VAC-TRUCK-4074

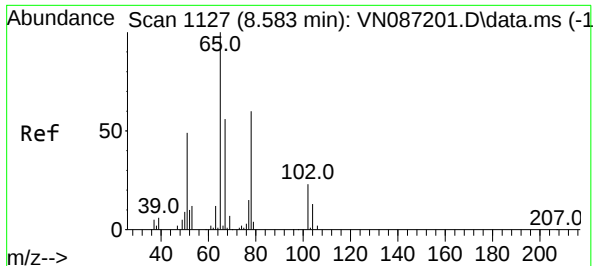
Tgt Ion: 43 Resp: 1268
Ion Ratio Lower Upper
43 100
72 34.4 22.2 33.2#



#31
Cyclohexane
Concen: 0.956 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN087214.D
Acq: 27 Jun 2025 12:29

Tgt Ion: 56 Resp: 3410
Ion Ratio Lower Upper
56 100
69 148.6 25.3 37.9#
84 135.6 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 52.452 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN087214.D

Acq: 27 Jun 2025 12:29

Instrument :

MSVOA_N

ClientSampleId :

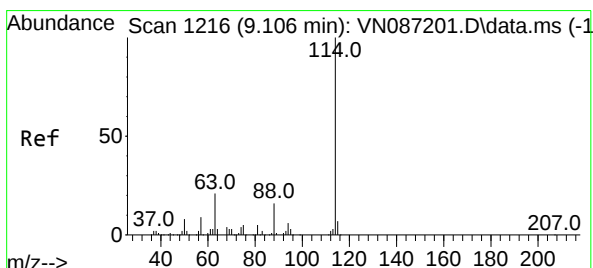
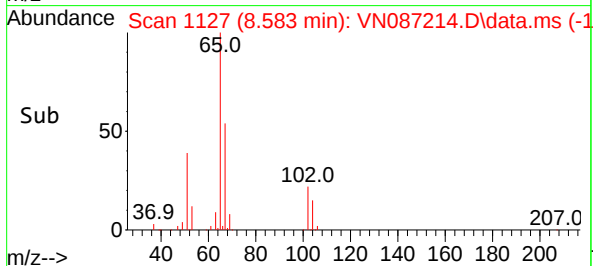
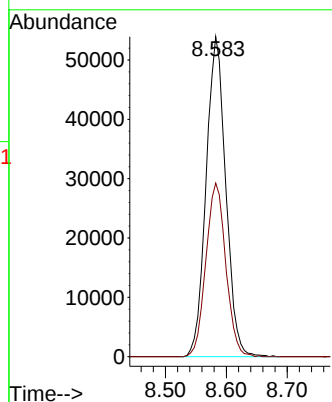
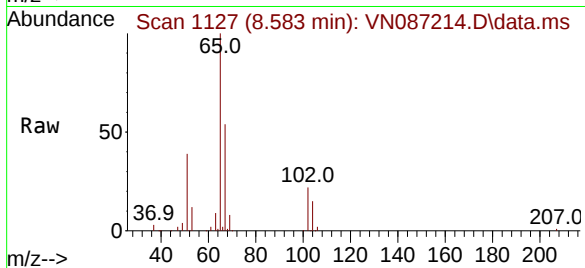
VAC-TRUCK-4074

Tgt Ion: 65 Resp: 120855

Ion Ratio Lower Upper

65 100

67 54.9 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087214.D

Acq: 27 Jun 2025 12:29

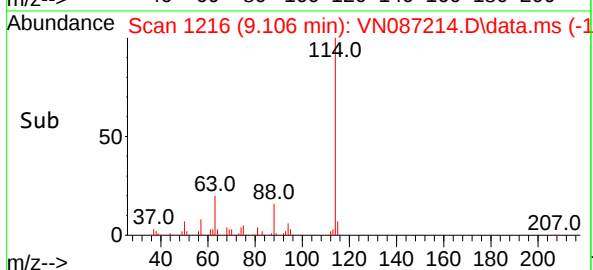
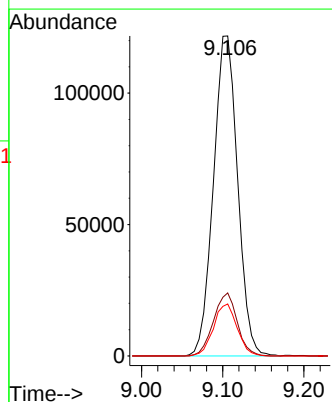
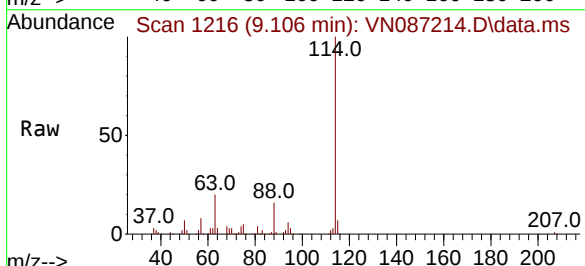
Tgt Ion: 114 Resp: 252544

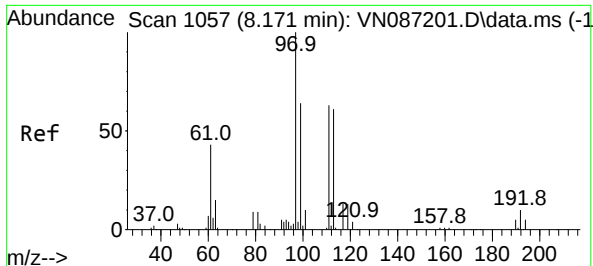
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.0

88 16.2 0.0 32.0

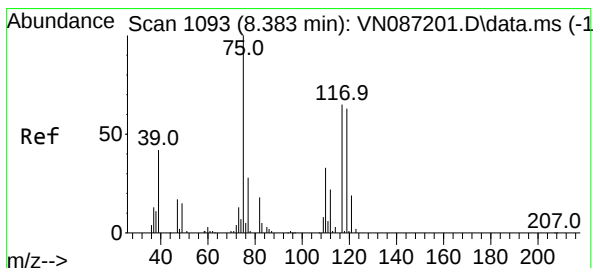
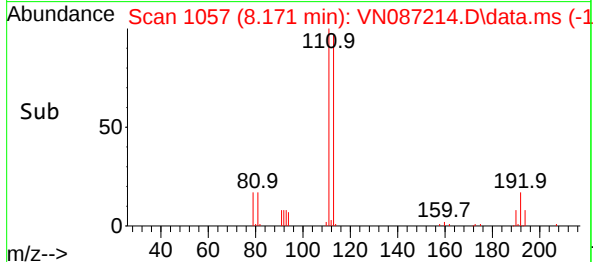
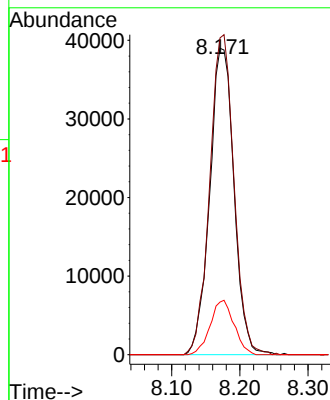
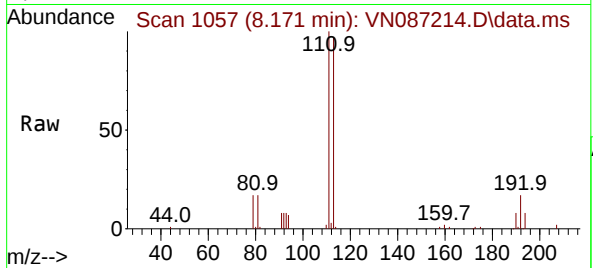




#35
 Dibromofluoromethane
 Concen: 59.161 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. -0.000 min
 Lab File: VN087214.D
 Acq: 27 Jun 2025 12:29

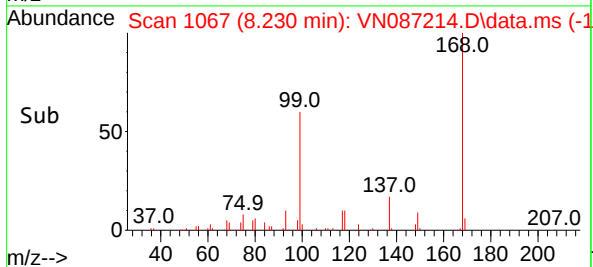
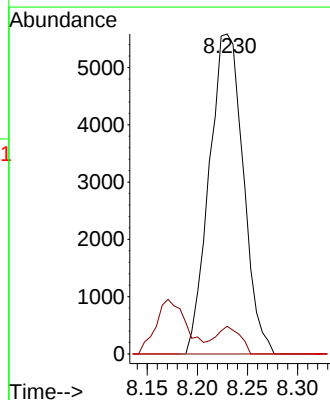
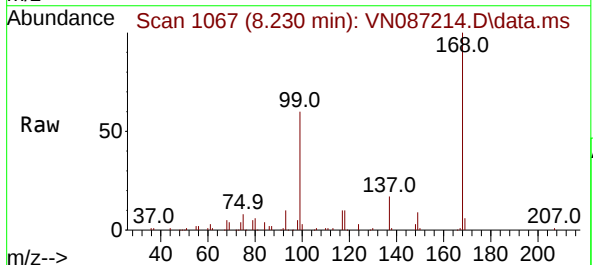
Instrument :
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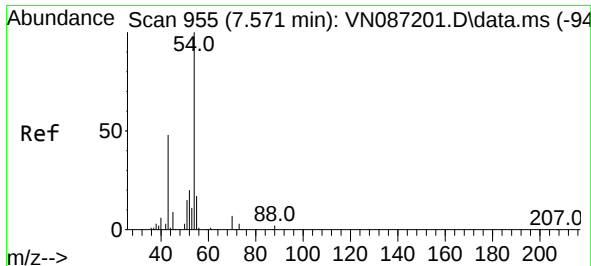
Tgt Ion:113 Resp: 96593
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.6 124.0
 192 17.4 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 5.504 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.153 min
 Lab File: VN087214.D
 Acq: 27 Jun 2025 12:29

Tgt Ion: 75 Resp: 13163
 Ion Ratio Lower Upper
 75 100
 110 6.4 16.9 50.6#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: Below Cal

RT: 7.506 min Scan# 94

Delta R.T. -0.065 min

Lab File: VN087214.D

Acq: 27 Jun 2025 12:29

Instrument :

MSVOA_N

ClientSampleId :

VAC-TRUCK-4074

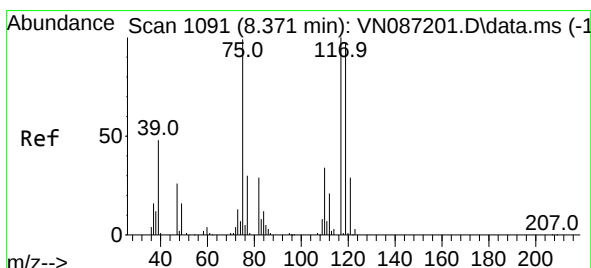
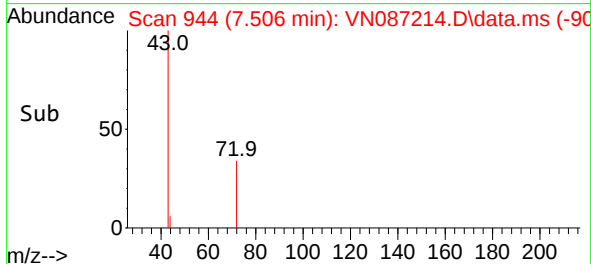
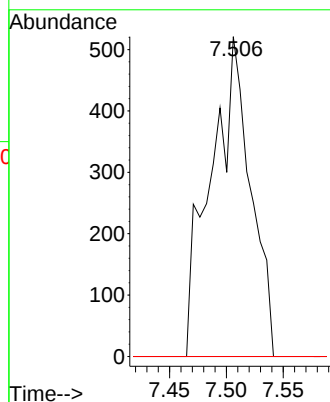
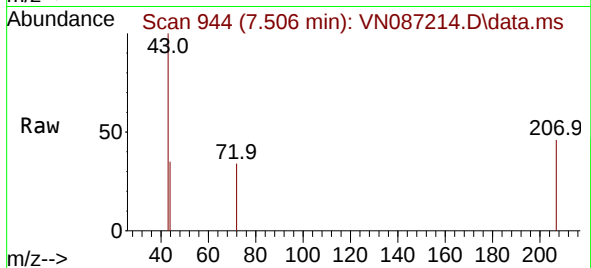
Tgt Ion: 43 Resp: 1268

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

70 0.0 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 6.942 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087214.D

Acq: 27 Jun 2025 12:29

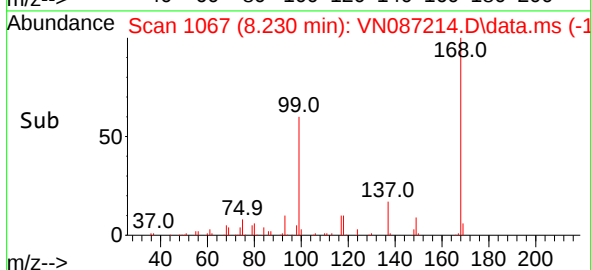
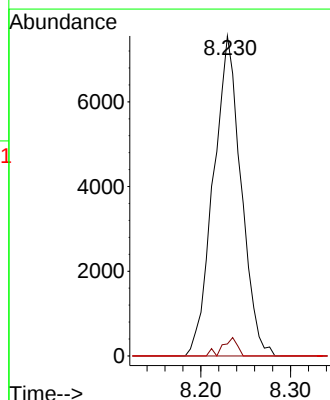
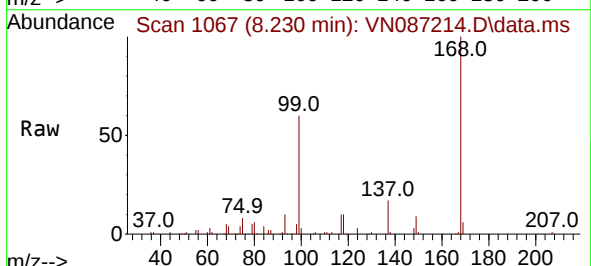
Tgt Ion: 117 Resp: 16169

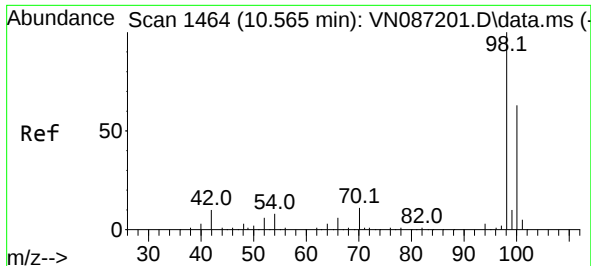
Ion Ratio Lower Upper

117 100

119 3.8 77.4 116.0#

121 0.0 23.2 34.8#

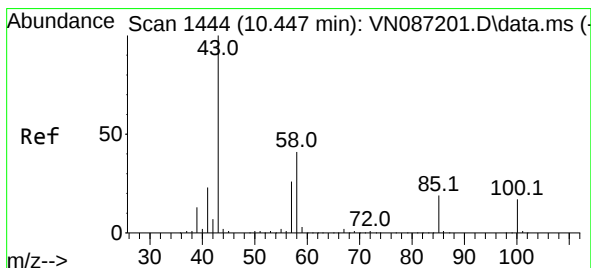
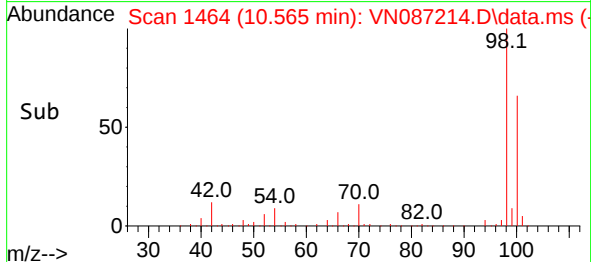
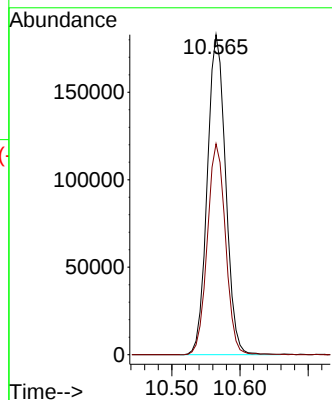
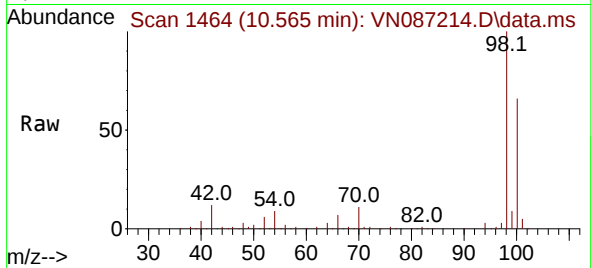




#50
Toluene-d8
Concen: 50.699 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087214.D
Acq: 27 Jun 2025 12:29

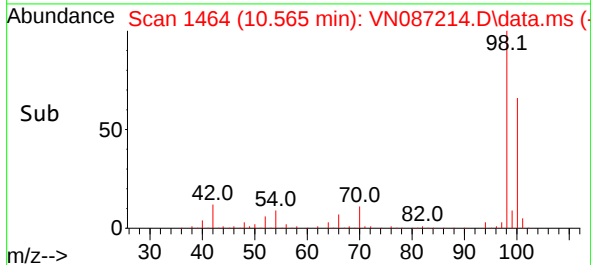
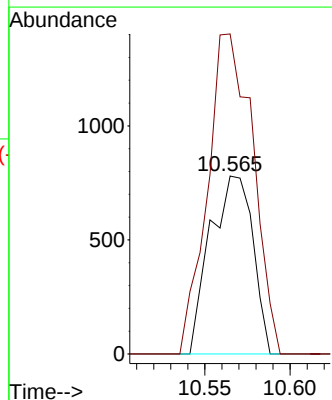
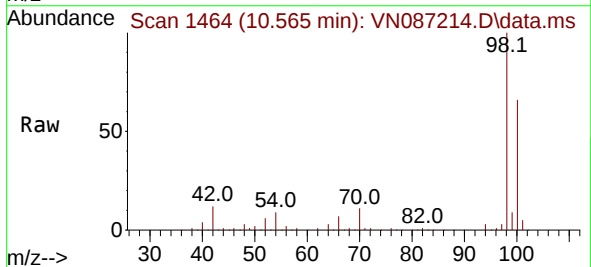
Instrument :
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VAC-TRUCK-4074

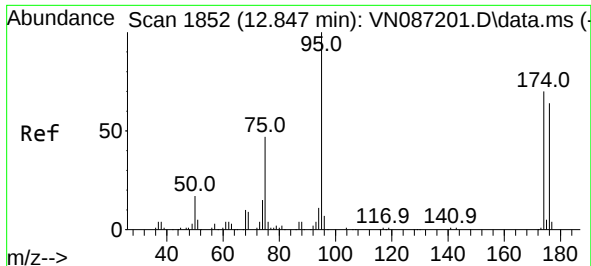
Tgt Ion: 98 Resp: 342358
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: Below Cal
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN087214.D
Acq: 27 Jun 2025 12:29

Tgt Ion: 43 Resp: 1357
Ion Ratio Lower Upper
43 100
58 191.2 32.6 48.8#

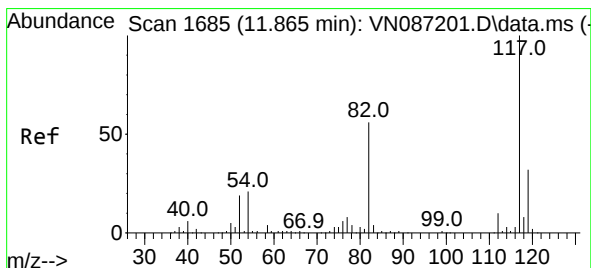
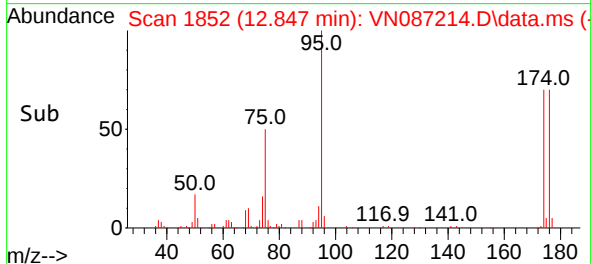
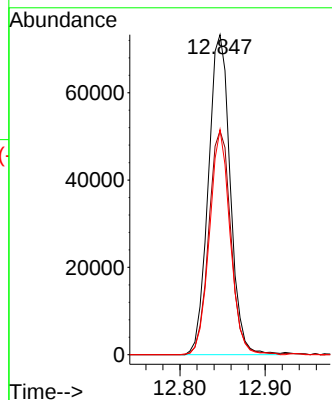
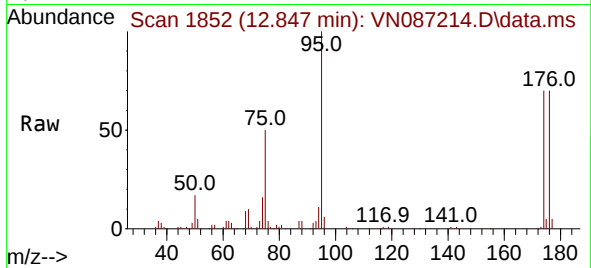




#62
4-Bromofluorobenzene
Concen: 55.709 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087214.D
Acq: 27 Jun 2025 12:29

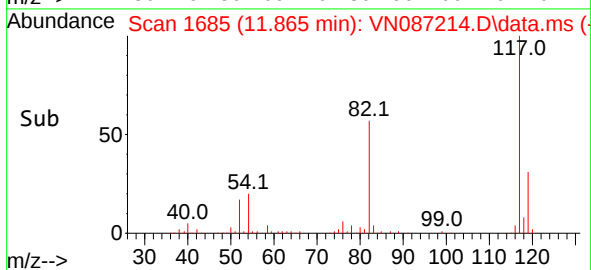
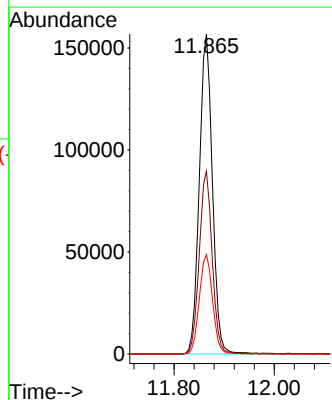
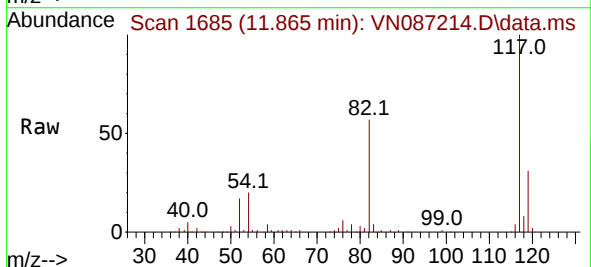
Instrument :
MSVOA_N
ClientSampleId :
VAC-TRUCK-4074

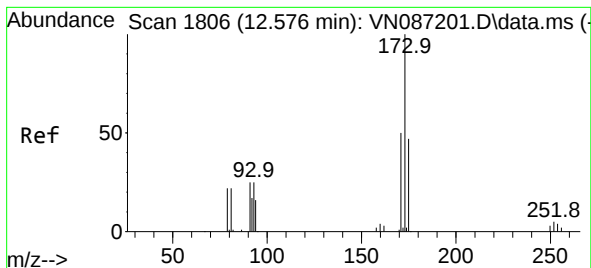
Tgt Ion: 95 Resp: 130536
Ion Ratio Lower Upper
95 100
174 70.6 0.0 142.2
176 66.6 0.0 134.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087214.D
Acq: 27 Jun 2025 12:29

Tgt Ion: 117 Resp: 283675
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.4
119 31.1 25.9 38.9





#71

Bromoform

Concen: 0.321 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN087214.D

Acq: 27 Jun 2025 12:29

Instrument :

MSVOA_N

ClientSampleId :

VAC-TRUCK-4074

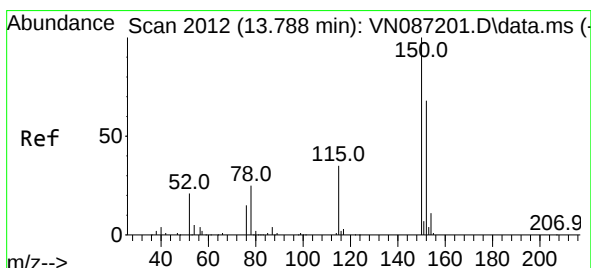
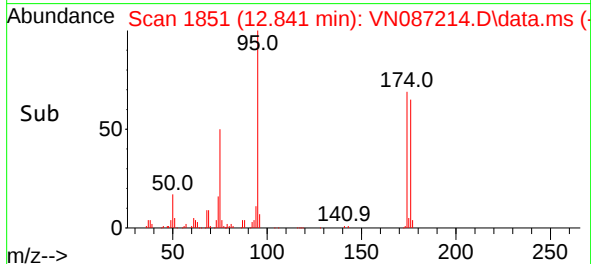
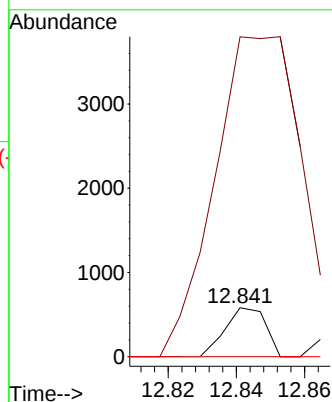
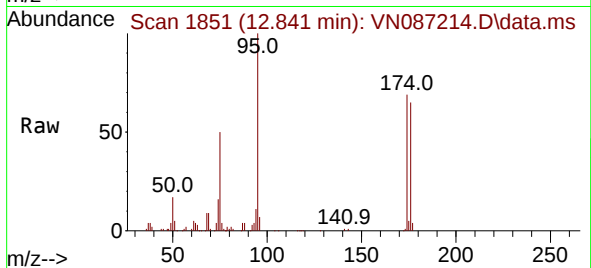
Tgt Ion:173 Resp: 479

Ion Ratio Lower Upper

173 100

175 863.3 23.8 71.2#

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: VN087214.D

Acq: 27 Jun 2025 12:29

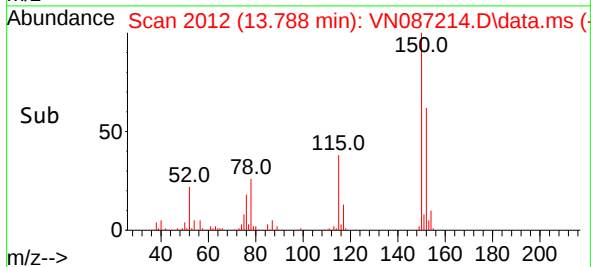
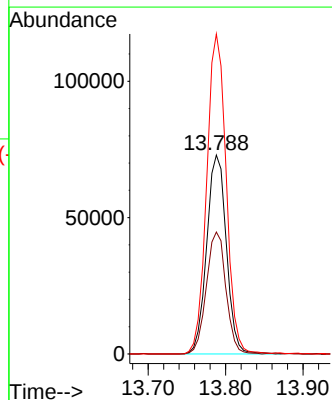
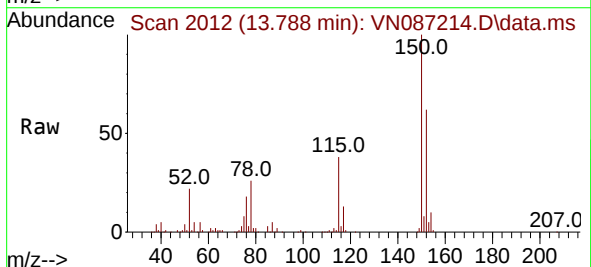
Tgt Ion:152 Resp: 128959

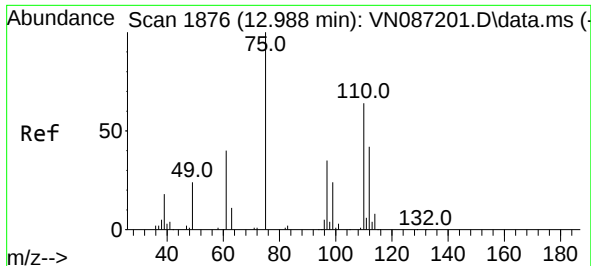
Ion Ratio Lower Upper

152 100

115 60.9 30.6 91.8

150 158.4 0.0 347.8

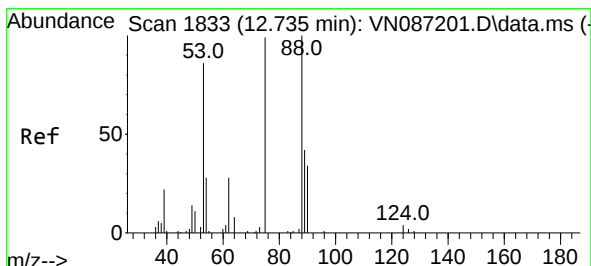
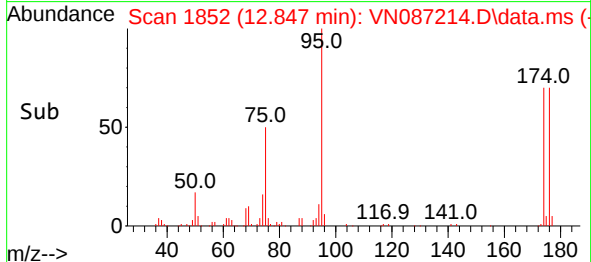
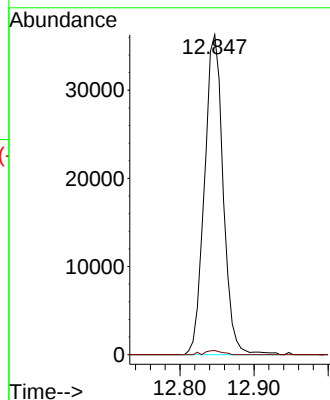
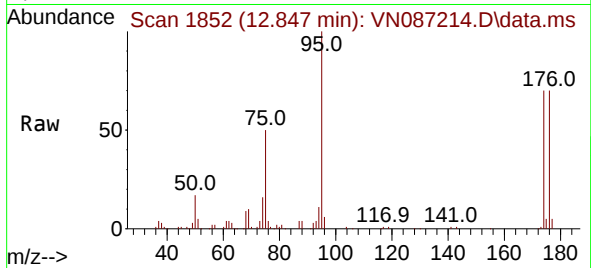




#76
1,2,3-Trichloropropane
Concen: 22.117 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN087214.D
Acq: 27 Jun 2025 12:29

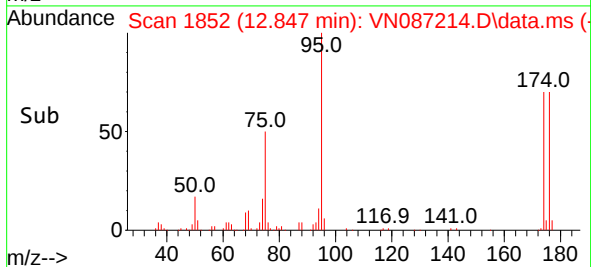
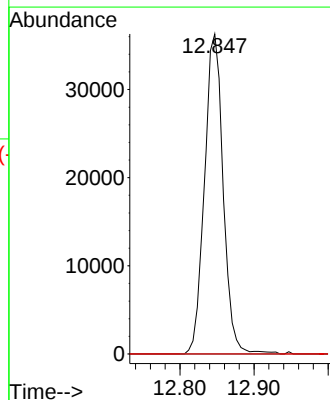
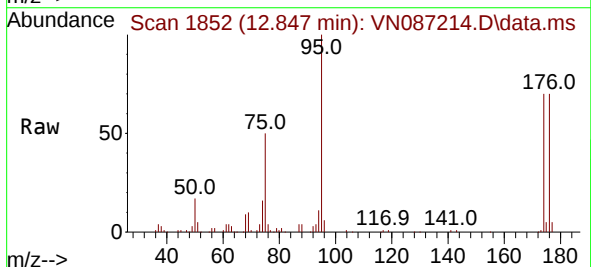
Instrument :
MSVOA_N
ClientSampleId :
VAC-TRUCK-4074

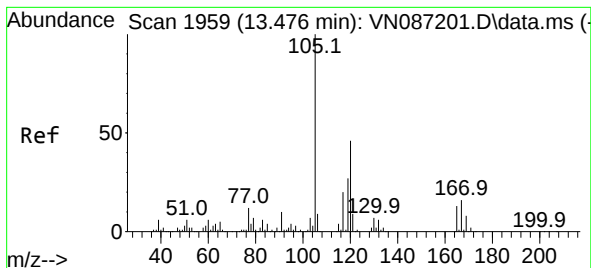
Tgt Ion: 75 Resp: 63634
Ion Ratio Lower Upper
75 100
77 1.2 85.5 256.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 49.638 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087214.D
Acq: 27 Jun 2025 12:29

Tgt Ion: 75 Resp: 63634
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.0#
89 0.0 37.9 56.9#





#84

1,2,4-Trimethylbenzene

Concen: 0.260 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN087214.D

Acq: 27 Jun 2025 12:29

Instrument :

MSVOA_N

ClientSampleId :

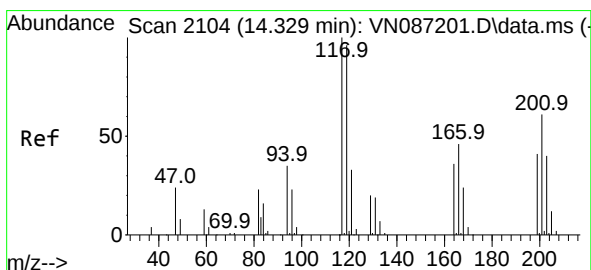
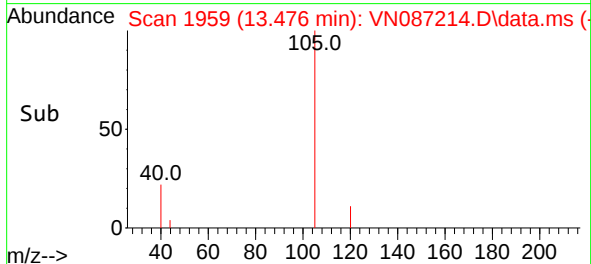
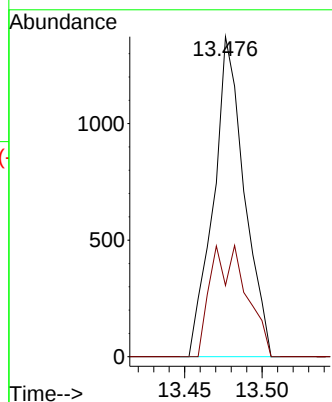
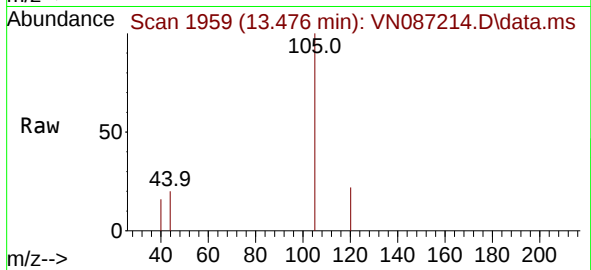
VAC-TRUCK-4074

Tgt Ion:105 Resp: 1900

Ion Ratio Lower Upper

105 100

120 40.4 22.9 68.8



#90

Hexachloroethane

Concen: 0.337 ug/l

RT: 14.447 min Scan# 2124

Delta R.T. 0.118 min

Lab File: VN087214.D

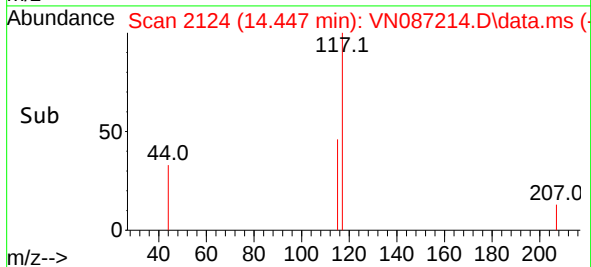
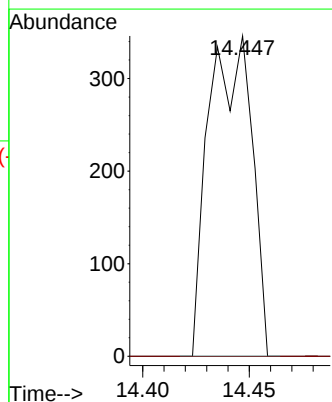
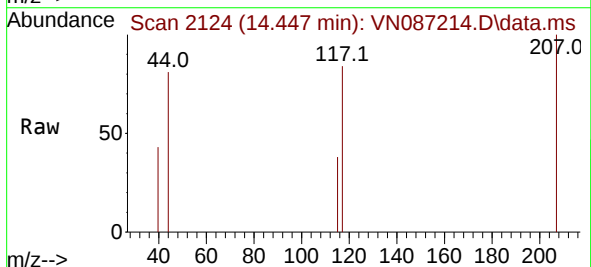
Acq: 27 Jun 2025 12:29

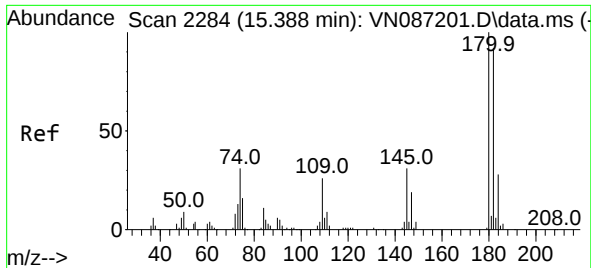
Tgt Ion:117 Resp: 488

Ion Ratio Lower Upper

117 100

201 0.0 31.8 95.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.214 ug/l

RT: 15.382 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN087214.D

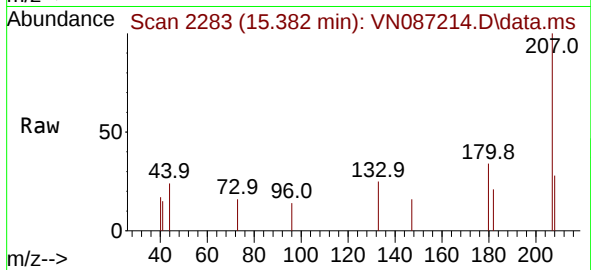
Acq: 27 Jun 2025 12:29

Instrument :

MSVOA_N

ClientSampleId :

VAC-TRUCK-4074



Tgt Ion:180 Resp: 479

Ion Ratio Lower Upper

180 100

182 83.5 47.1 141.3

145 11.1 16.2 48.5#

