

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087230.D
 Acq On : 27 Jun 2025 18:03
 Operator : JC\MD
 Sample : Q2418-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VAC-TRUCK-4074

Quant Time: Jun 27 23:48:54 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)

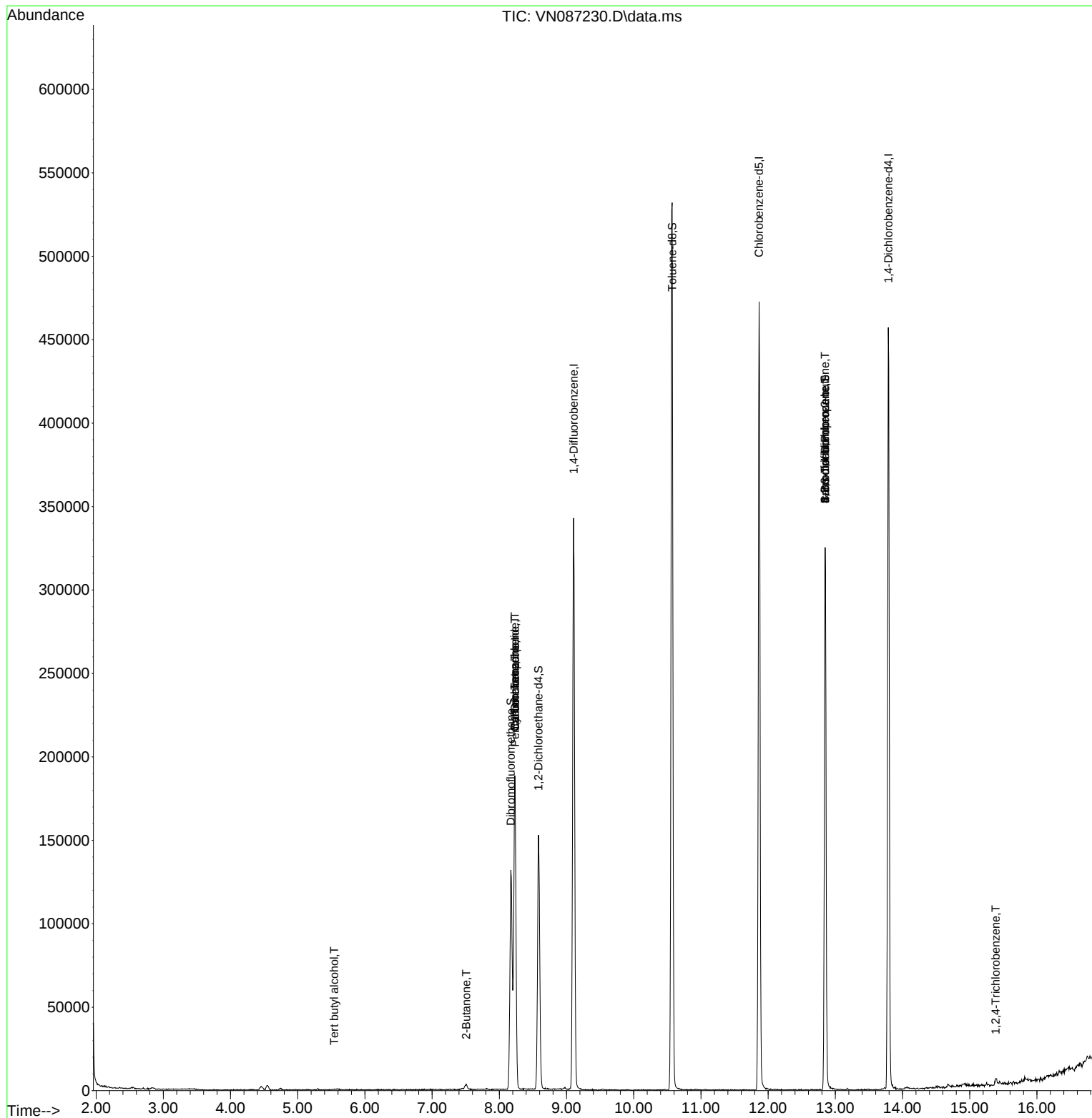
Internal Standards						
1) Pentafluorobenzene	8.236	168	144015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	305977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	125299	60.458	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 120.920%		
35) Dibromofluoromethane	8.171	113	99272	50.184	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.360%		
50) Toluene-d8	10.571	98	390284	47.703	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.400%		
62) 4-Bromofluorobenzene	12.847	95	126750	44.647	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 89.300%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.542	59	572	1.253	ug/l #	73
16) Acetone	4.453	43	4367	Below Cal		93
17) Carbon Disulfide	4.748	76	865	Below Cal	#	76
20) Methylene Chloride	5.295	84	200	Below Cal	#	51
25) 2-Butanone	7.506	43	5759	3.665	ug/l	90
31) Cyclohexane	8.230	56	3241	1.010	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11888	4.103	ug/l #	49
37) Ethyl Acetate	7.506	43	5759	Below Cal	#	68
38) Carbon Tetrachloride	8.230	117	14677	5.201	ug/l #	15
51) 4-Methyl-2-Pentanone	10.453	43	114	Below Cal	#	35
71) Bromoform	12.847	173	674	0.450	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	64924	22.879	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64924	51.348	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.388	180	1195	0.541	ug/l	92

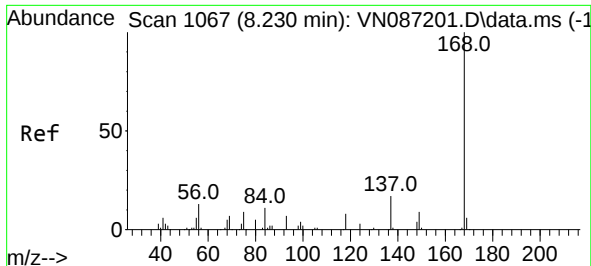
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087230.D

Acq: 27 Jun 2025 18:03

Instrument :

MSVOA_N

ClientSampleId :

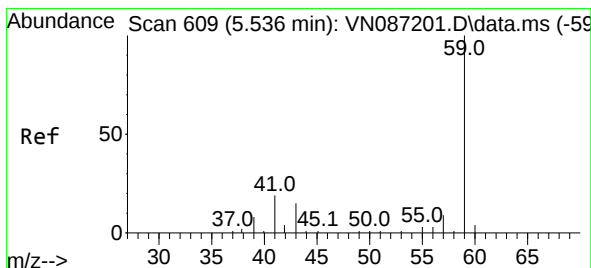
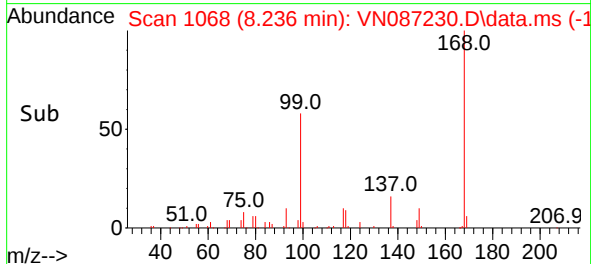
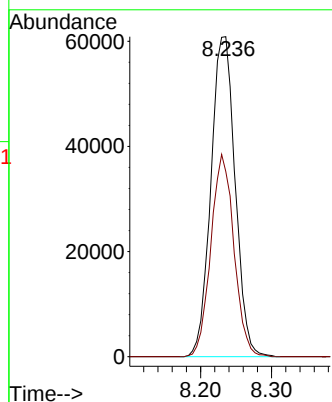
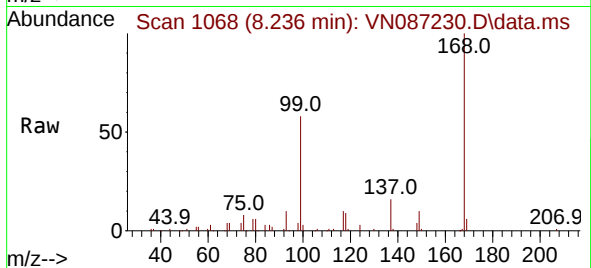
VAC-TRUCK-4074

Tgt Ion:168 Resp: 144015

Ion Ratio Lower Upper

168 100

99 57.9 47.9 71.9



#11

Tert butyl alcohol

Concen: 1.253 ug/l

RT: 5.542 min Scan# 610

Delta R.T. 0.006 min

Lab File: VN087230.D

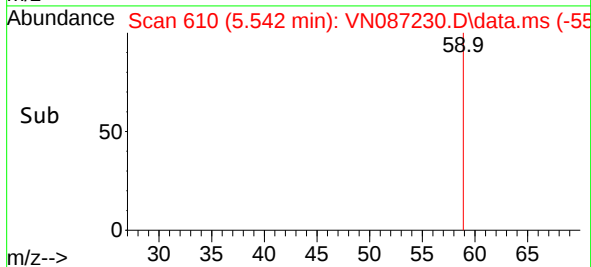
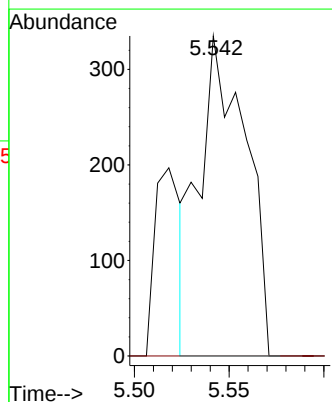
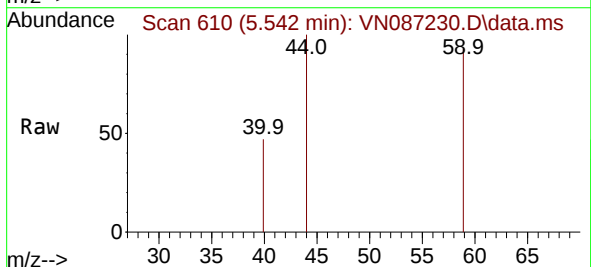
Acq: 27 Jun 2025 18:03

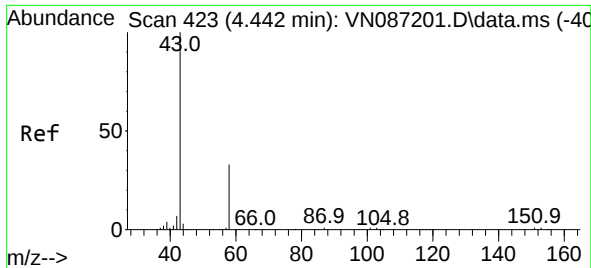
Tgt Ion: 59 Resp: 572

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#16

Acetone

Concen: Below Cal

RT: 4.453 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN087230.D

Acq: 27 Jun 2025 18:03

Instrument :

MSVOA_N

ClientSampleId :

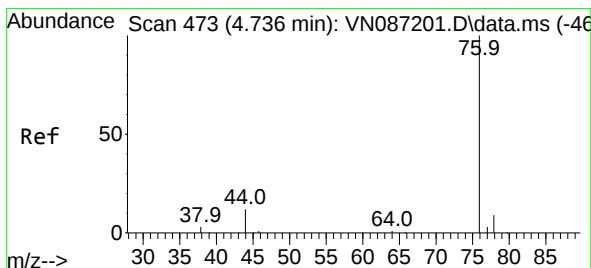
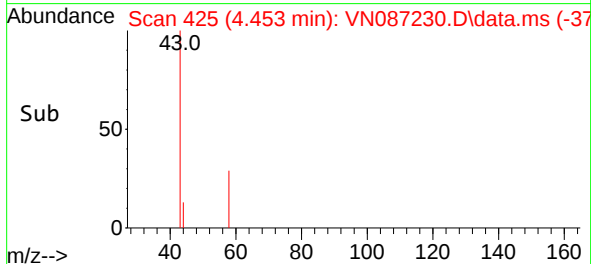
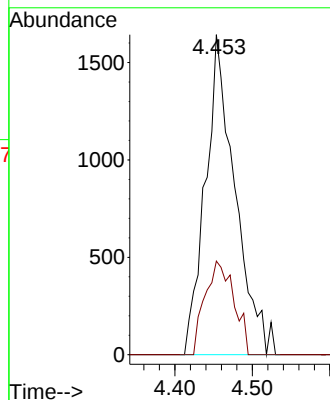
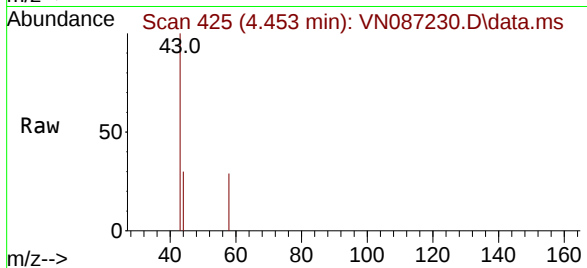
VAC-TRUCK-4074

Tgt Ion: 43 Resp: 4367

Ion Ratio Lower Upper

43 100

58 29.3 26.5 39.7



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.748 min Scan# 475

Delta R.T. 0.012 min

Lab File: VN087230.D

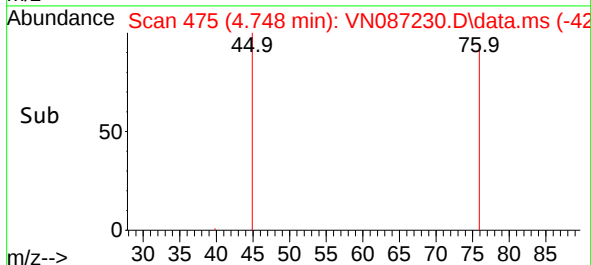
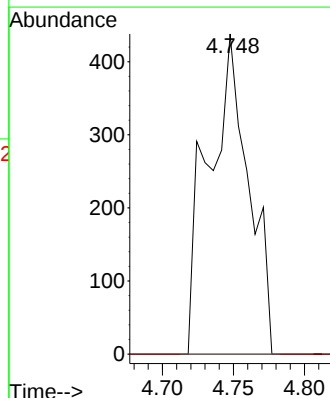
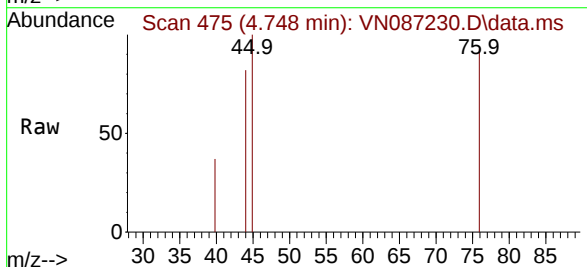
Acq: 27 Jun 2025 18:03

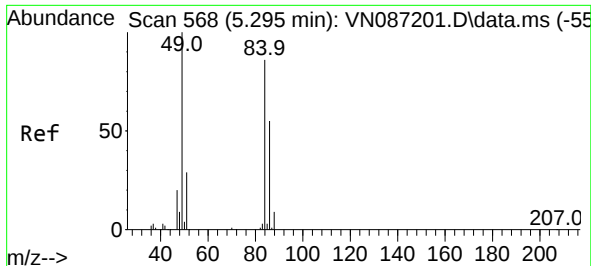
Tgt Ion: 76 Resp: 865

Ion Ratio Lower Upper

76 100

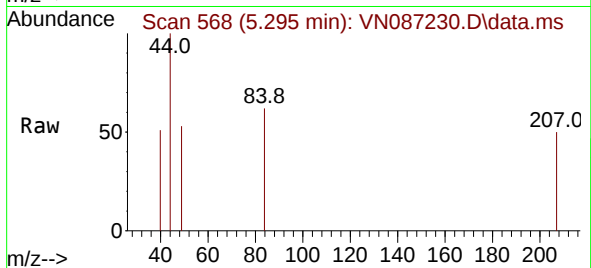
78 0.0 7.0 10.6#



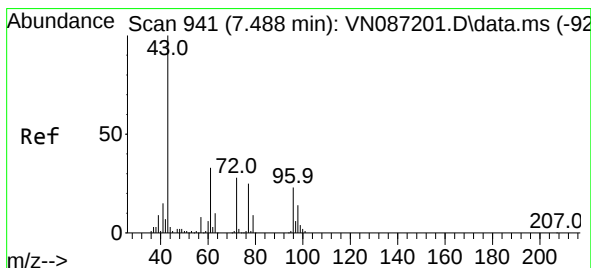
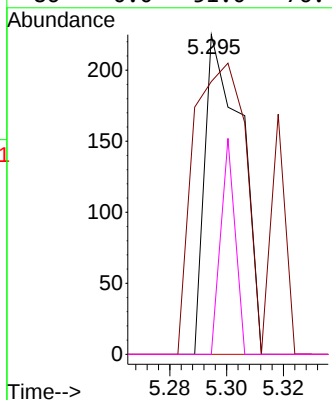
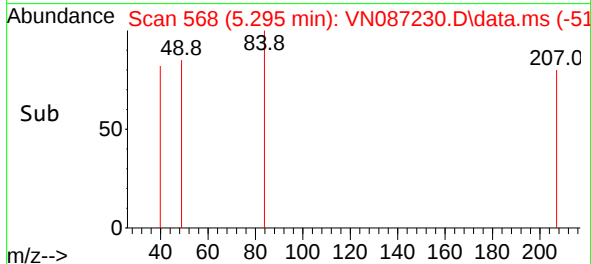


#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

Instrument :
MSVOA_N
ClientSampleId :
VAC-TRUCK-4074

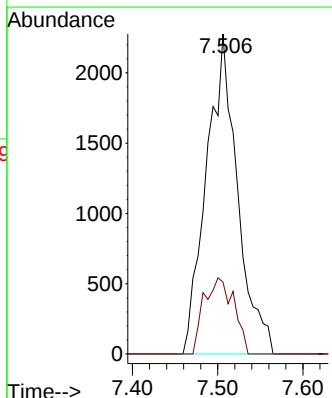
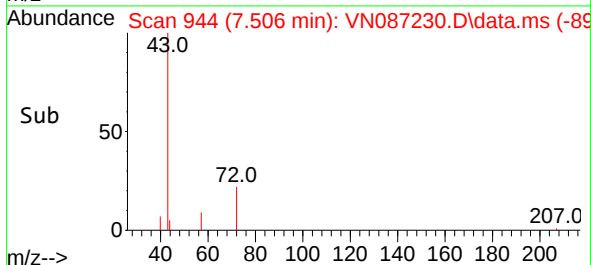
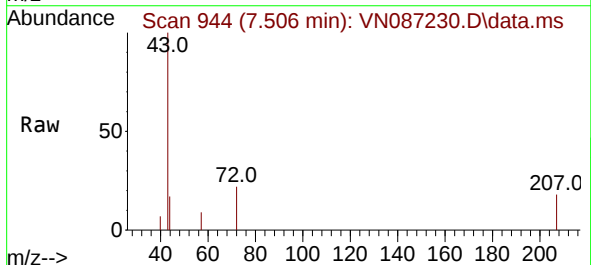


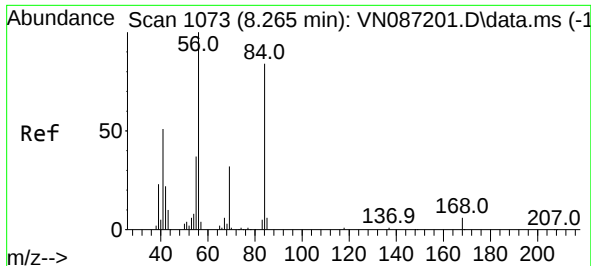
Tgt Ion:	84	Resp:	200
Ion	Ratio	Lower	Upper
84	100		
49	85.3	93.0	139.6#
51	0.0	27.2	40.8#
86	0.0	51.0	76.4#



#25
2-Butanone
Concen: 3.665 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

Tgt Ion:	43	Resp:	5759
Ion	Ratio	Lower	Upper
43	100		
72	22.5	22.2	33.2

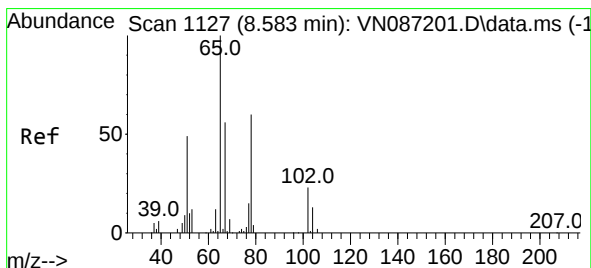
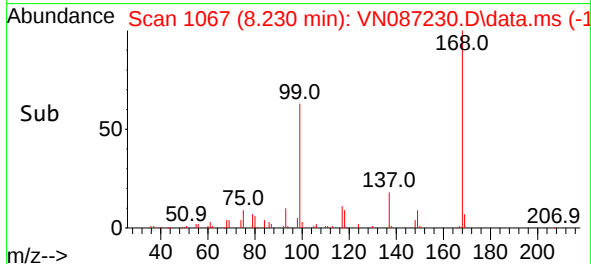
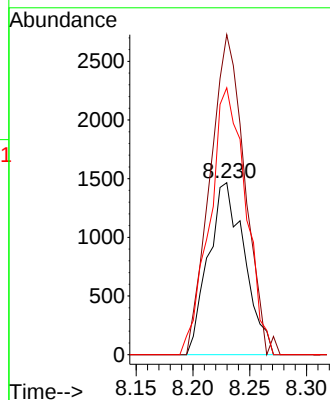
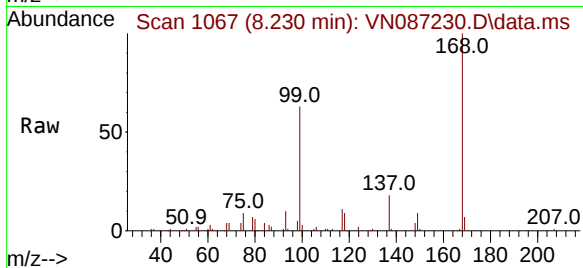




#31
Cyclohexane
Concen: 1.010 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

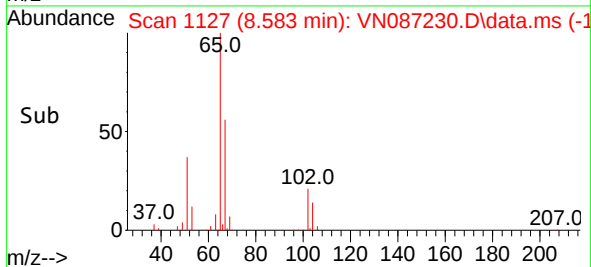
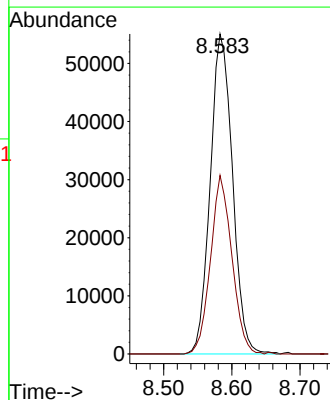
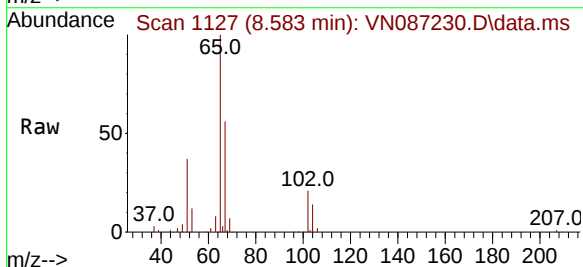
Instrument :
MSVOA_N
ClientSampleId :
VAC-TRUCK-4074

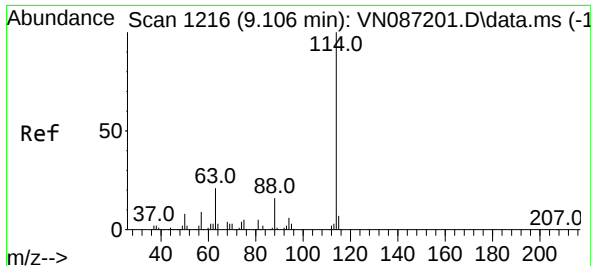
Tgt Ion: 56 Resp: 3241
Ion Ratio Lower Upper
56 100
69 186.0 25.3 37.9#
84 155.1 67.4 101.0#



#33
1,2-Dichloroethane-d4
Concen: 60.458 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

Tgt Ion: 65 Resp: 125299
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087230.D

Acq: 27 Jun 2025 18:03

Instrument :

MSVOA_N

ClientSampleId :

VAC-TRUCK-4074

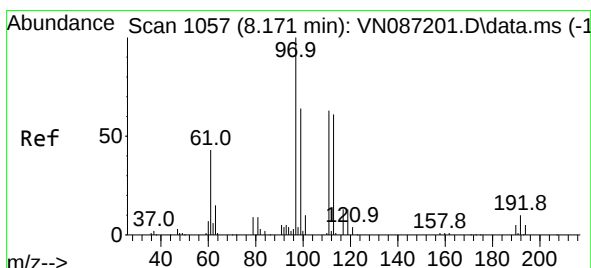
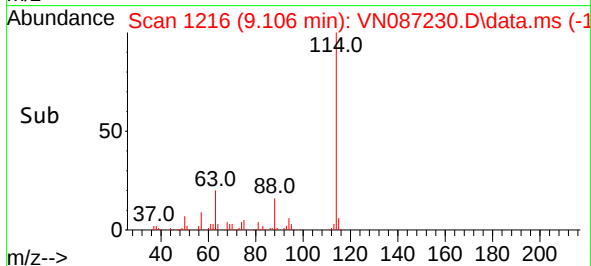
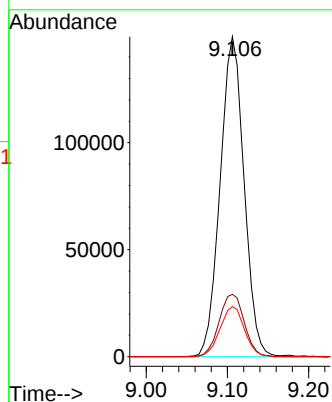
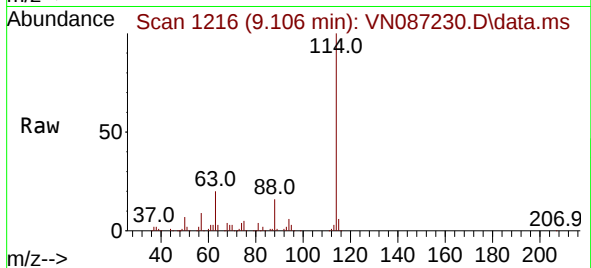
Tgt Ion:114 Resp: 305977

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.0

88 15.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.184 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN087230.D

Acq: 27 Jun 2025 18:03

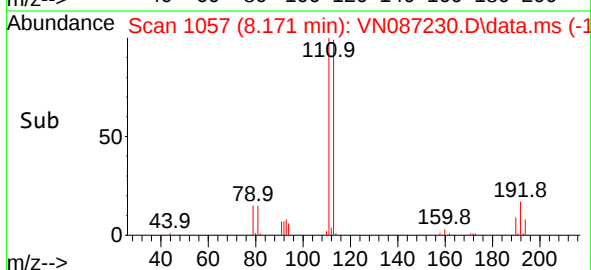
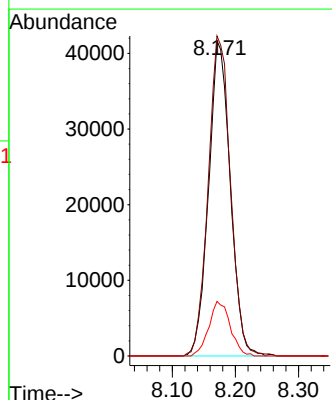
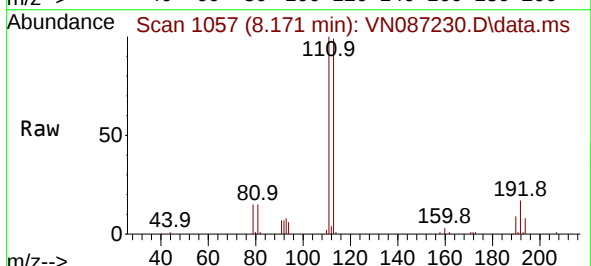
Tgt Ion:113 Resp: 99272

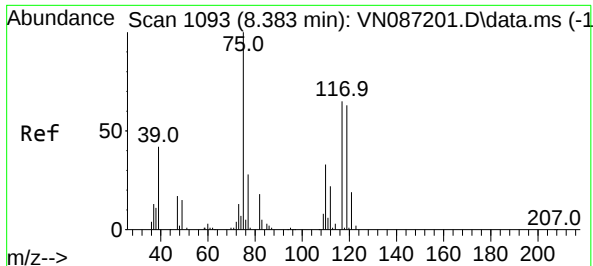
Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 17.2 13.5 20.3

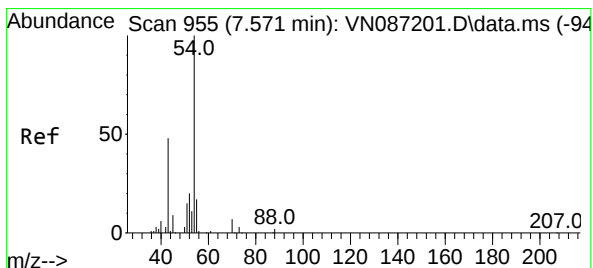
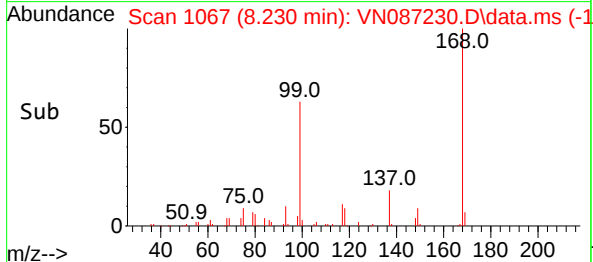
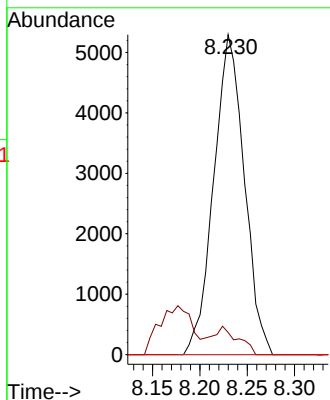
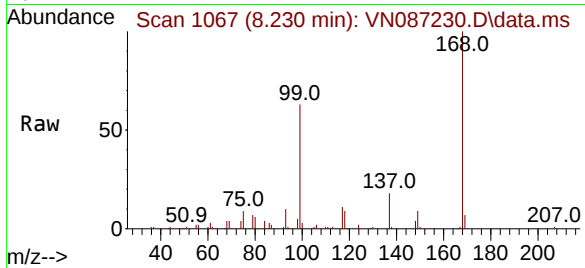




#36
1,1-Dichloropropene
Concen: 4.103 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.153 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

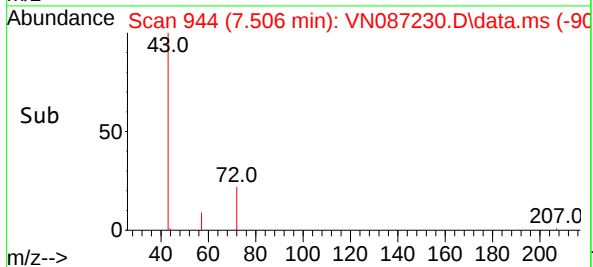
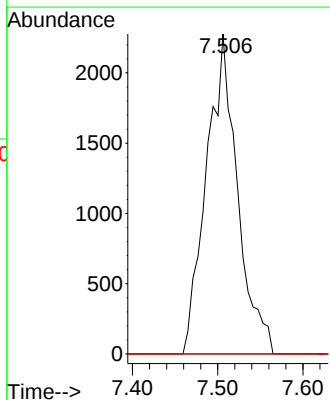
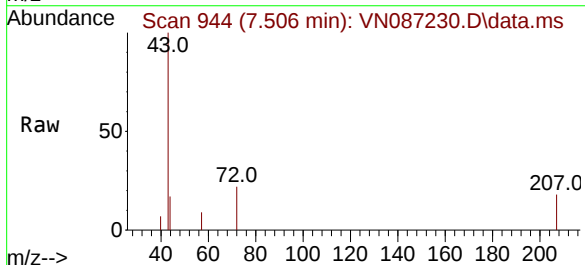
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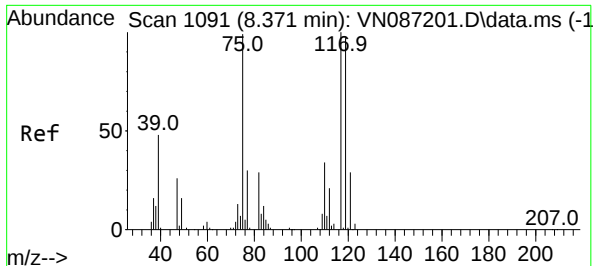
Tgt Ion: 75 Resp: 11888
Ion Ratio Lower Upper
75 100
110 7.1 16.9 50.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: Below Cal
RT: 7.506 min Scan# 944
Delta R.T. -0.065 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

Tgt Ion: 43 Resp: 5759
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 8.9 13.3#

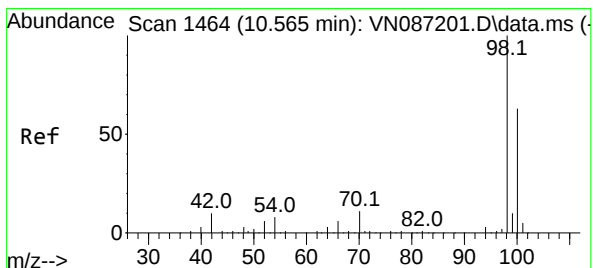
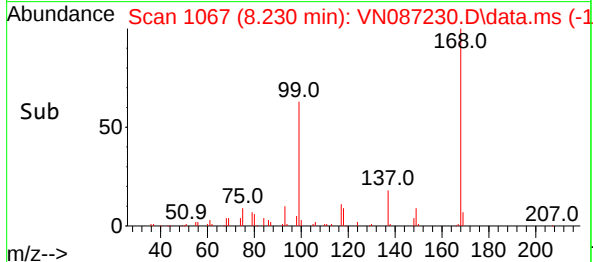
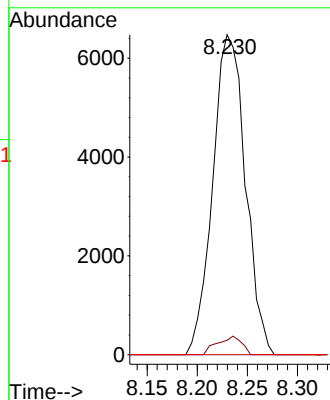
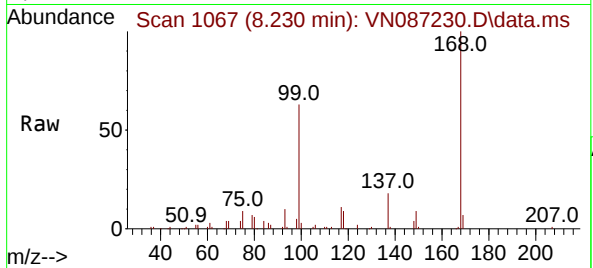




#38
Carbon Tetrachloride
Concen: 5.201 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

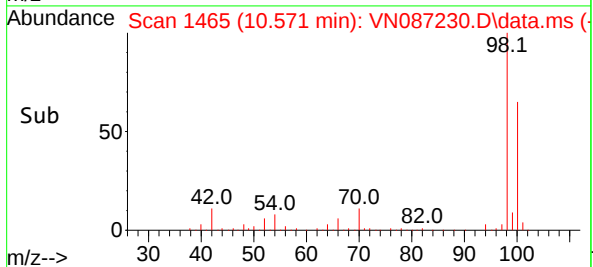
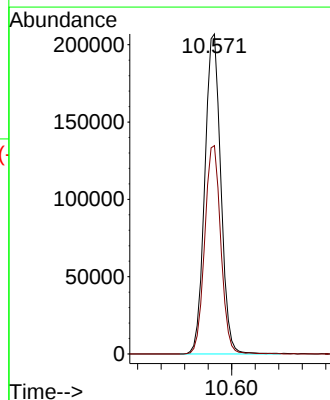
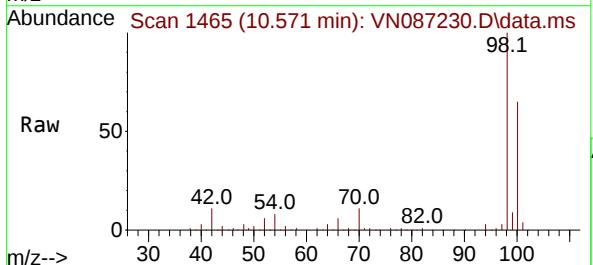
Instrument :
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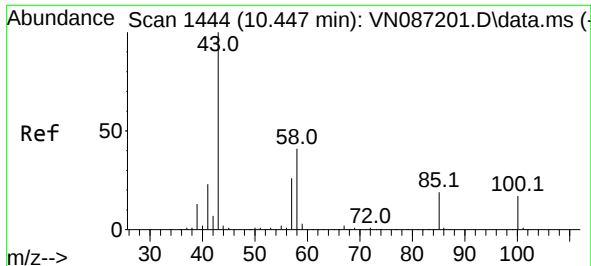
Tgt Ion:117 Resp: 14677
Ion Ratio Lower Upper
117 100
119 4.5 77.4 116.0#
121 0.0 23.2 34.8#



#50
Toluene-d8
Concen: 47.703 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

Tgt Ion: 98 Resp: 390284
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1

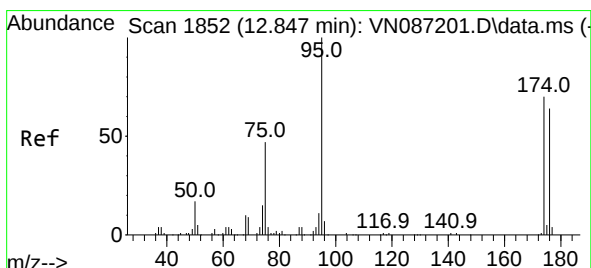
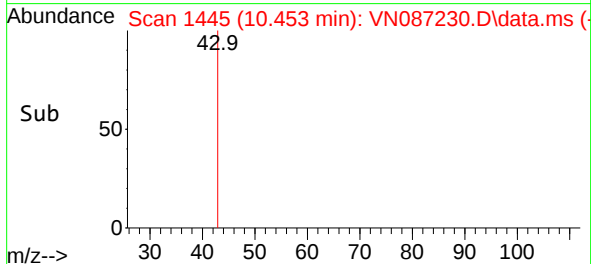
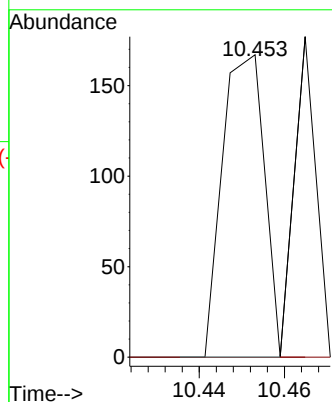
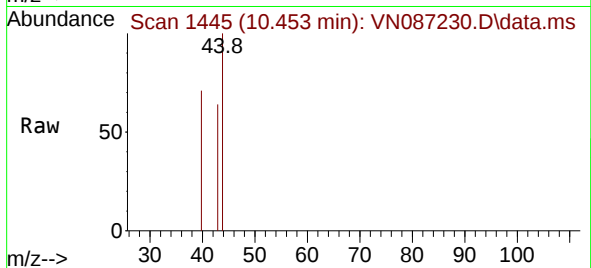




#51
4-Methyl-2-Pentanone
Concen: Below Cal
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

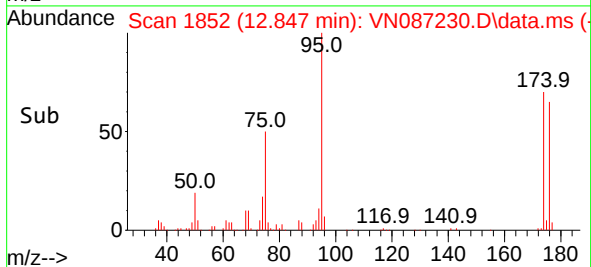
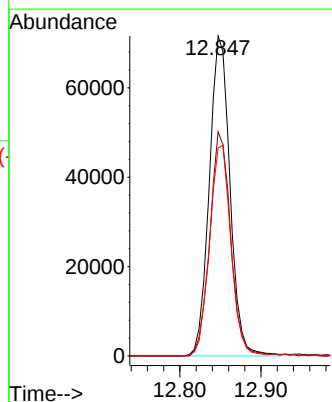
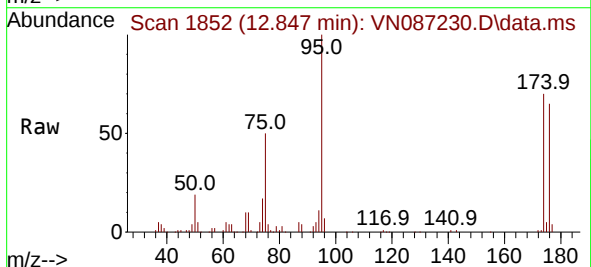
Instrument :
MSVOA_N
ClientSampleId :
VAC-TRUCK-4074

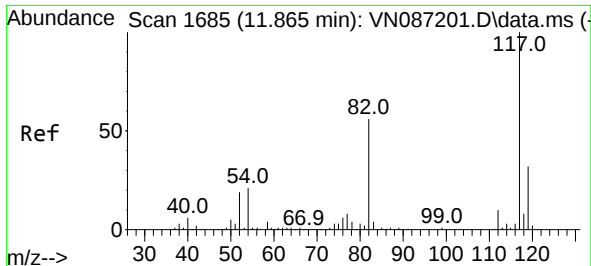
Tgt Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
58 0.0 32.6 48.8#



#62
4-Bromofluorobenzene
Concen: 44.647 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

Tgt Ion: 95 Resp: 126750
Ion Ratio Lower Upper
95 100
174 70.7 0.0 142.2
176 67.8 0.0 134.8

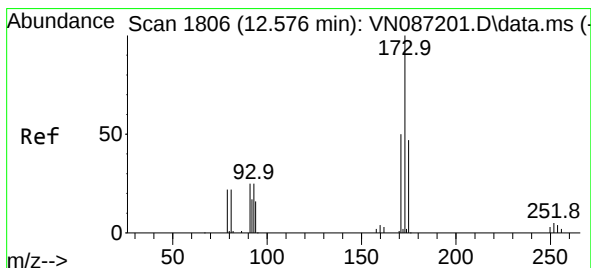
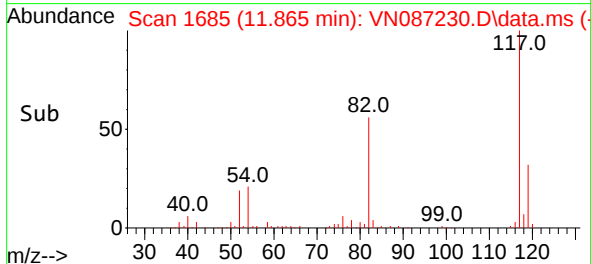
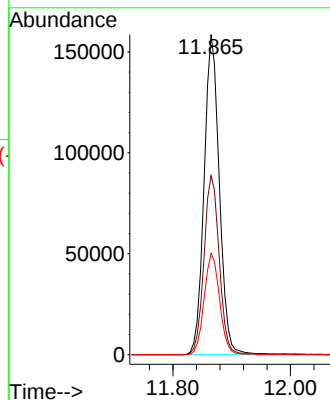
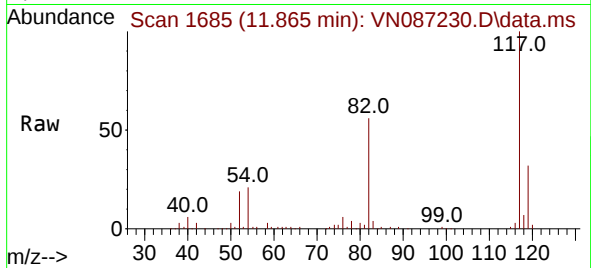




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

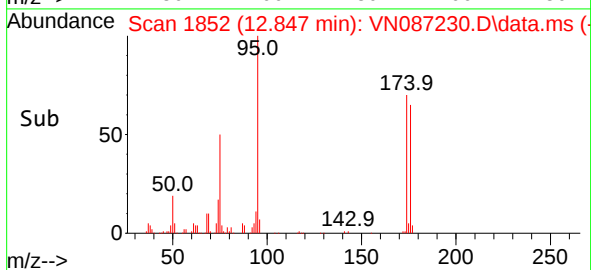
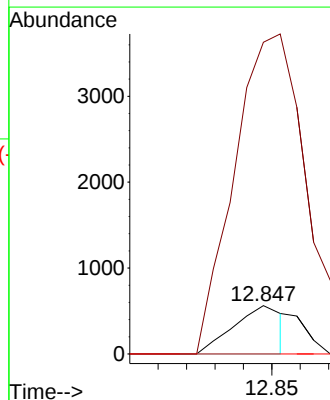
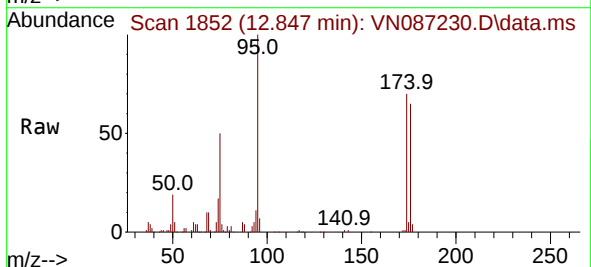
Instrument :
MSVOA_N
ClientSampleId :
VAC-TRUCK-4074

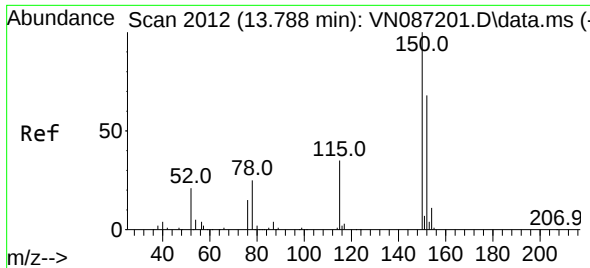
Tgt Ion:117 Resp: 285117
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.4
119 31.7 25.9 38.9



#71
Bromoform
Concen: 0.450 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

Tgt Ion:173 Resp: 674
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0

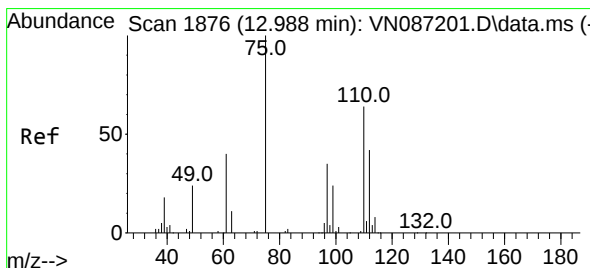
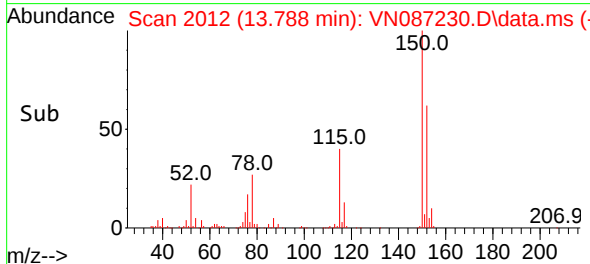
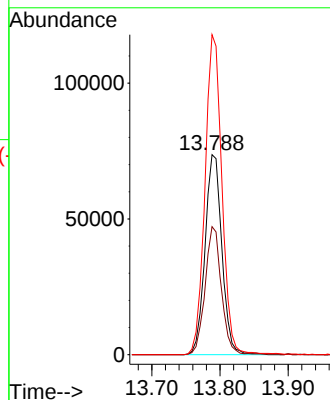
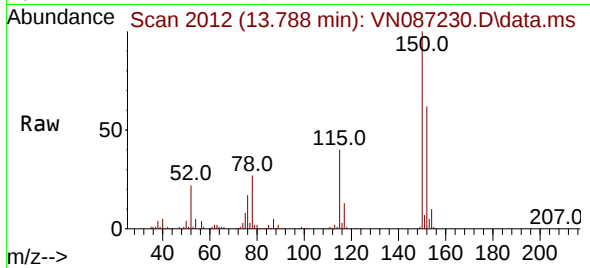




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN087230.D
 Acq: 27 Jun 2025 18:03

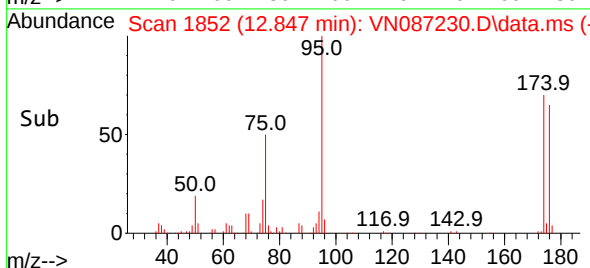
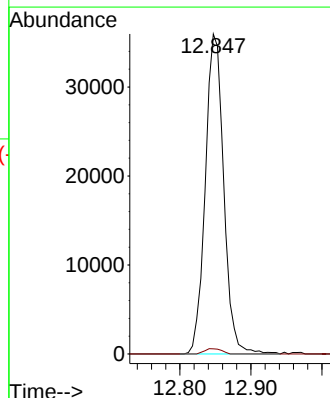
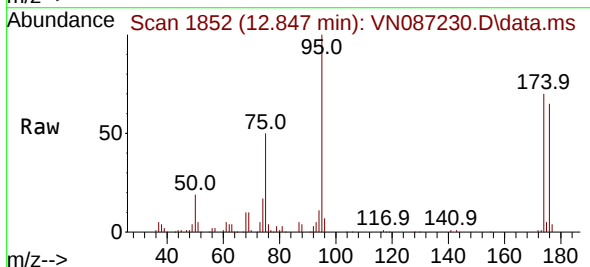
Instrument :
 MSVOA_N
 ClientSampleId :
 VAC-TRUCK-4074

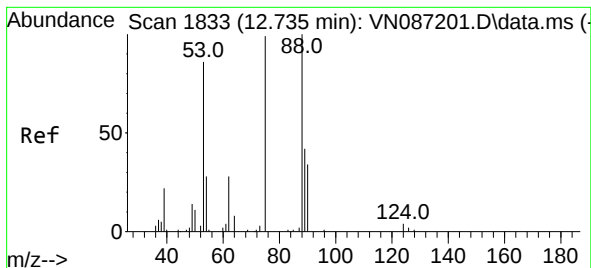
Tgt Ion:152 Resp: 127191
 Ion Ratio Lower Upper
 152 100
 115 61.8 30.6 91.8
 150 160.1 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 22.879 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN087230.D
 Acq: 27 Jun 2025 18:03

Tgt Ion: 75 Resp: 64924
 Ion Ratio Lower Upper
 75 100
 77 1.5 85.5 256.6#

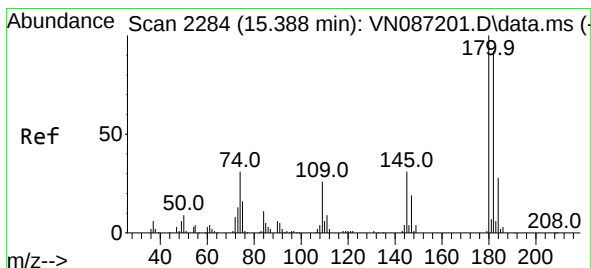
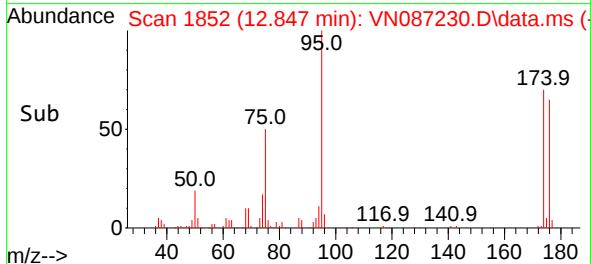
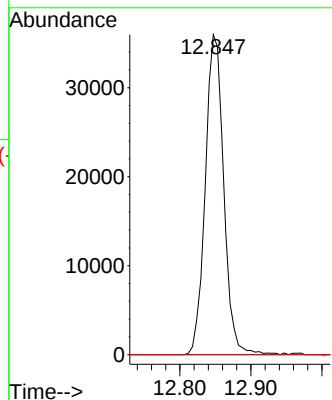
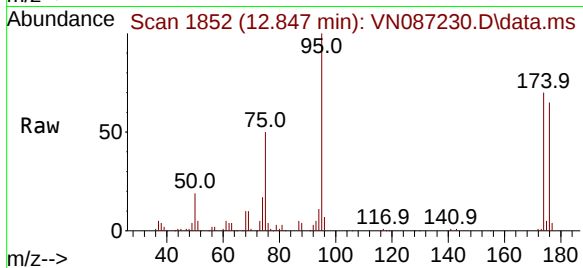




#81
trans-1,4-Dichloro-2-butene
Concen: 51.348 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

Instrument :
MSVOA_N
ClientSampleId :
VAC-TRUCK-4074

Tgt Ion: 75 Resp: 64924
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.0#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.541 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN087230.D
Acq: 27 Jun 2025 18:03

Tgt Ion:180 Resp: 1195
Ion Ratio Lower Upper
180 100
182 100.5 47.1 141.3
145 24.4 16.2 48.5

