

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086884.D
 Acq On : 06 Jun 2025 22:07
 Operator : JC\MD
 Sample : Q2198-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-202-SB02

Quant Time: Jun 07 02:32:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

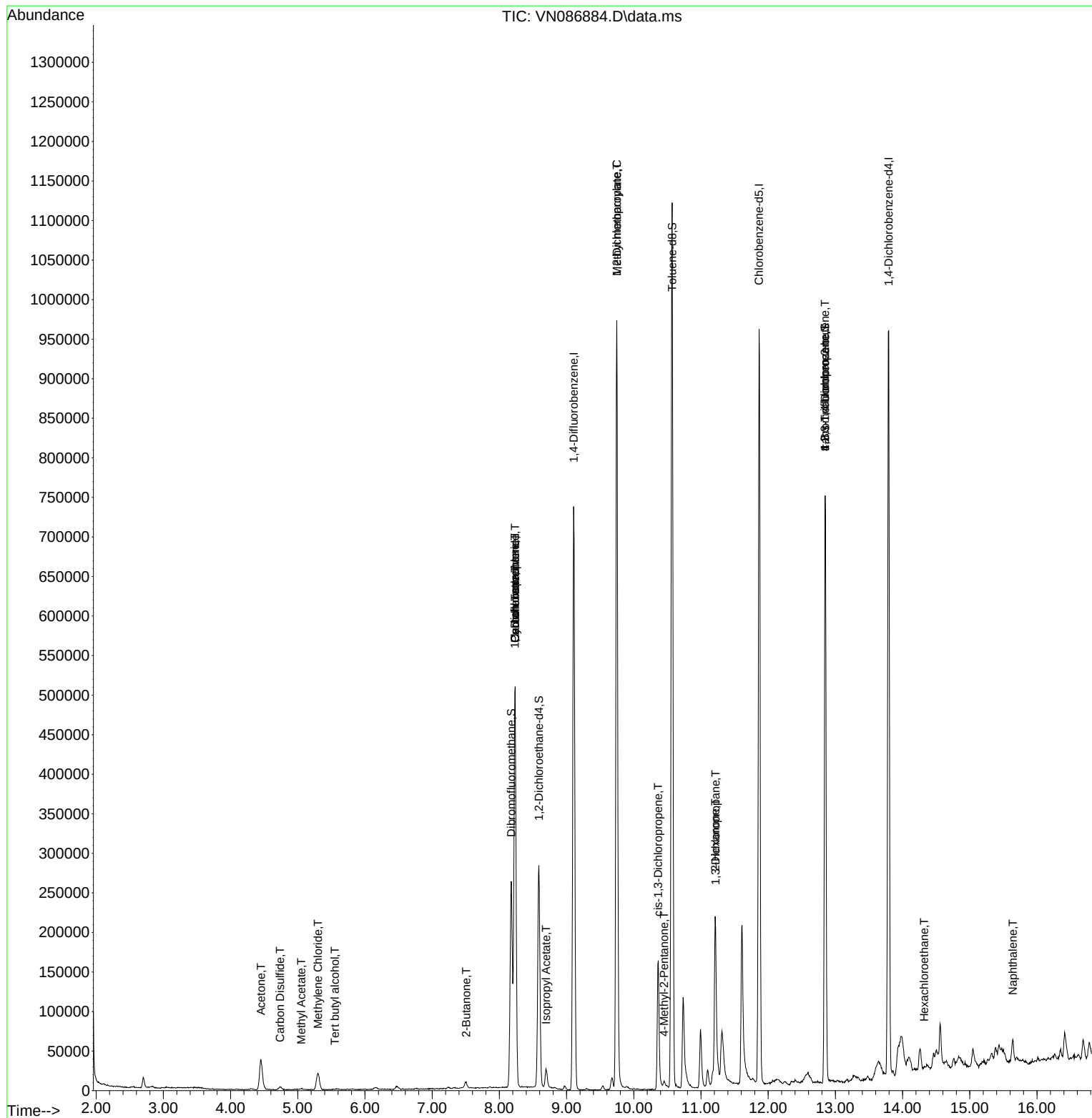
Internal Standards						
1) Pentafluorobenzene	8.235	168	409861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	701621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	607667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	296022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	229171	41.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.520%		
35) Dibromofluoromethane	8.177	113	199395	47.955	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.900%		
50) Toluene-d8	10.571	98	832222	50.559	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.120%		
62) 4-Bromofluorobenzene	12.847	95	298767	48.854	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.700%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.553	59	956	0.642	ug/l #	73
16) Acetone	4.453	43	74188	25.493	ug/l	100
17) Carbon Disulfide	4.736	76	4180	0.331	ug/l #	81
18) Methyl Acetate	5.053	43	3666	0.432	ug/l #	69
20) Methylene Chloride	5.300	84	18722	3.436	ug/l	96
25) 2-Butanone	7.506	43	13632	2.882	ug/l	95
31) Cyclohexane	8.235	56	6800	0.764	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	29303	4.729	ug/l #	49
38) Carbon Tetrachloride	8.235	117	38331	6.302	ug/l #	17
43) Isopropyl Acetate	8.694	43	27252	2.153	ug/l	95
45) 1,2-Dichloropropane	9.747	63	1331	0.270	ug/l #	43
48) Methyl methacrylate	9.747	41	78762	13.518	ug/l #	35
51) 4-Methyl-2-Pentanone	10.453	43	4236	0.556	ug/l #	57
54) cis-1,3-Dichloropropene	10.365	75	40273	4.997	ug/l #	54
57) 1,3-Dichloropropane	11.218	76	3499	0.423	ug/l #	43
59) 2-Hexanone	11.212	43	33763	6.878	ug/l #	54
76) 1,2,3-Trichloropropane	12.847	75	135324	19.232	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	135324	44.270	ug/l #	16
90) Hexachloroethane	14.323	117	1018	0.307	ug/l #	17
95) Naphthalene	15.641	128	30617	1.378	ug/l #	92

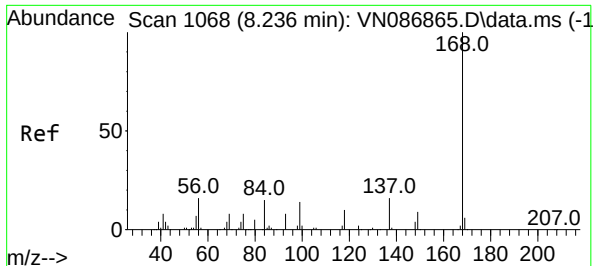
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

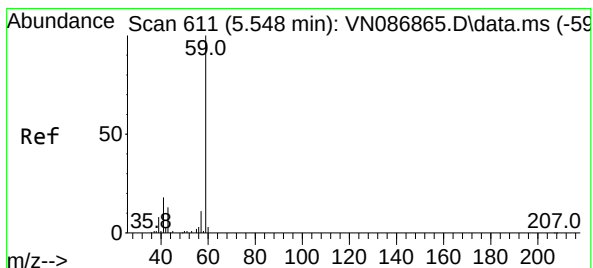
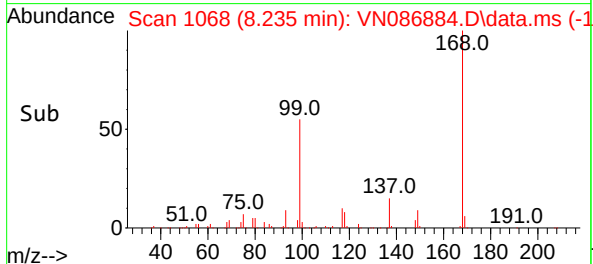
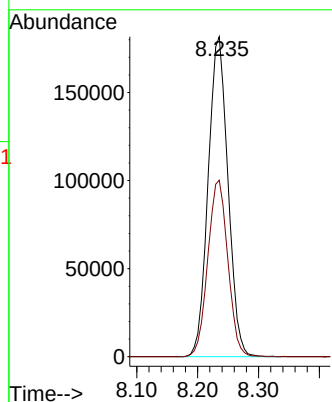
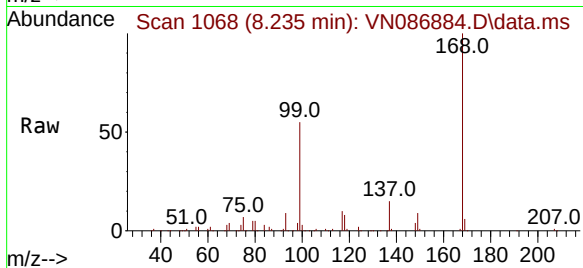




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

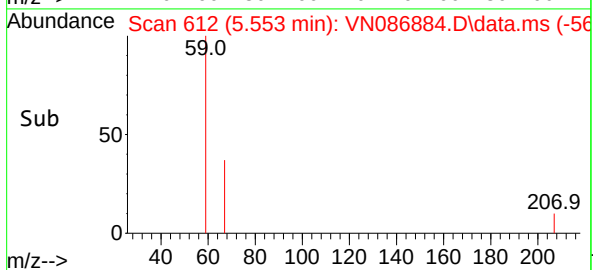
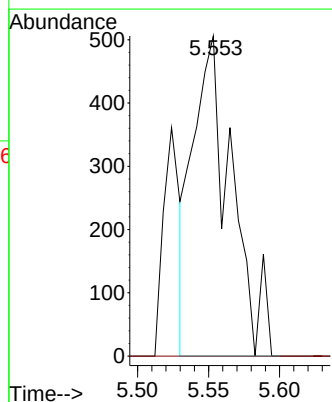
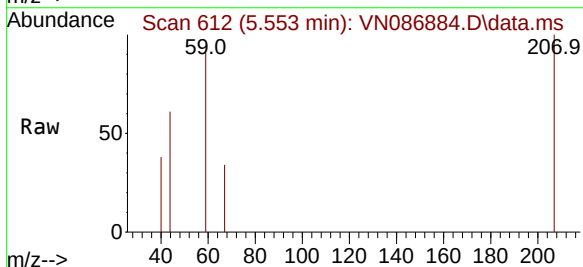
Instrument :
MSVOA_N
ClientSampleId :
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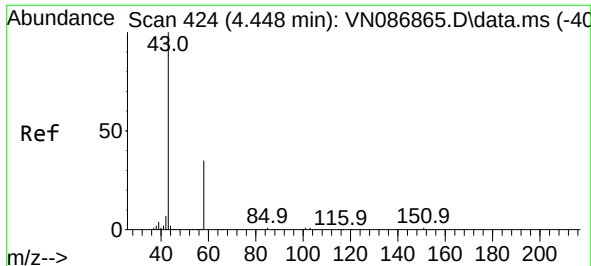
Tgt Ion:168 Resp: 409861
Ion Ratio Lower Upper
168 100
99 55.2 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.642 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.006 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Tgt Ion: 59 Resp: 956
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

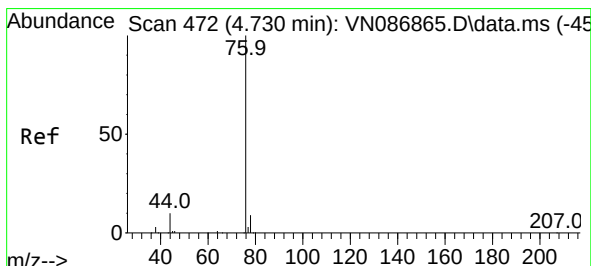
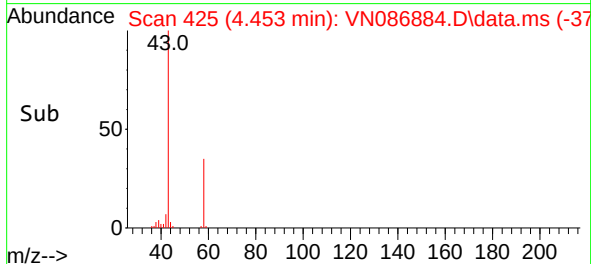
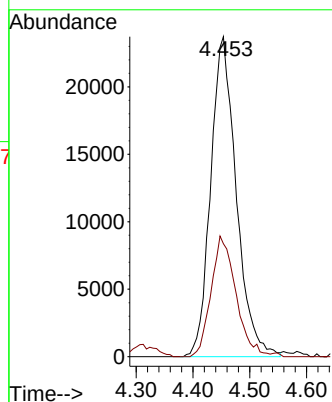
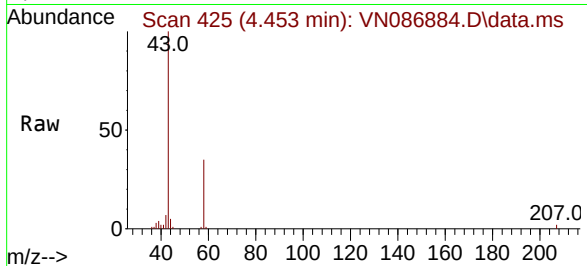




#16
Acetone
Concen: 25.493 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

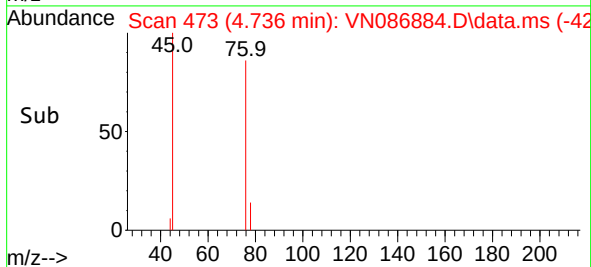
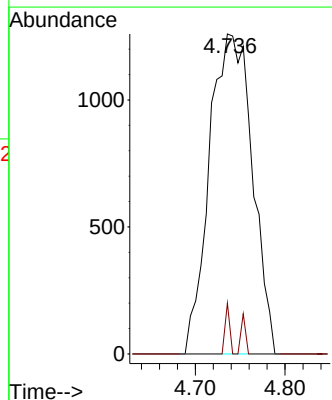
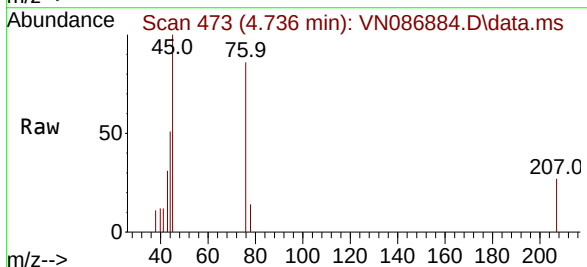
Instrument :
MSVOA_N
ClientSampleId :
B-202-SB02

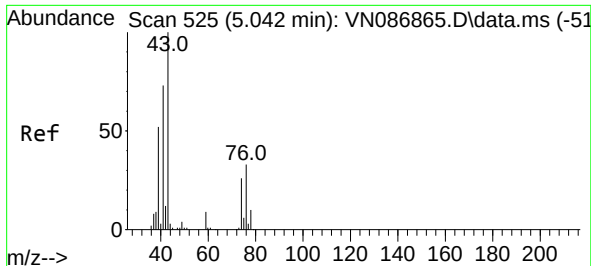
Tgt Ion: 43 Resp: 74188
Ion Ratio Lower Upper
43 100
58 35.3 28.0 42.0



#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 4.736 min Scan# 473
Delta R.T. 0.006 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Tgt Ion: 76 Resp: 4180
Ion Ratio Lower Upper
76 100
78 15.9 7.3 10.9#

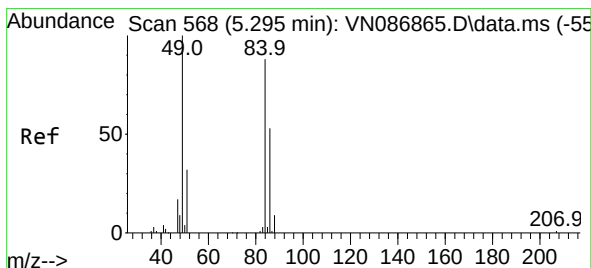
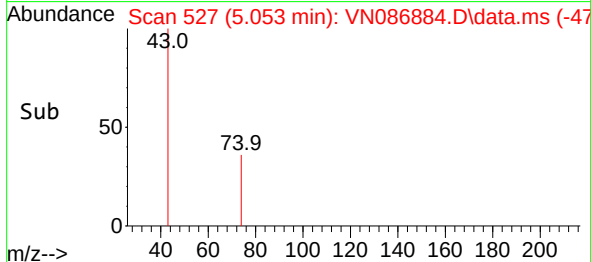
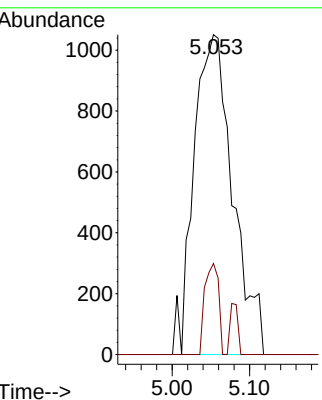
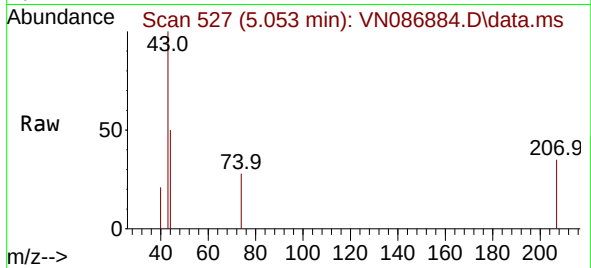




#18
Methyl Acetate
Concen: 0.432 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

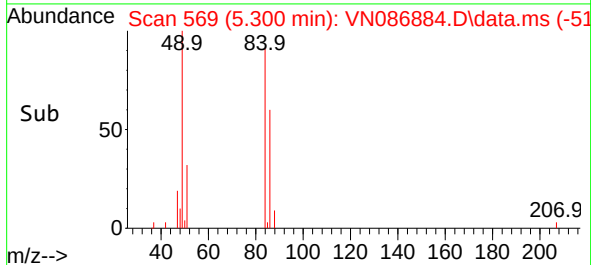
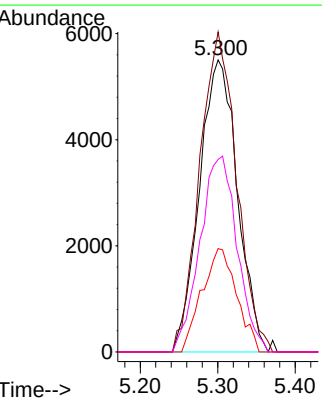
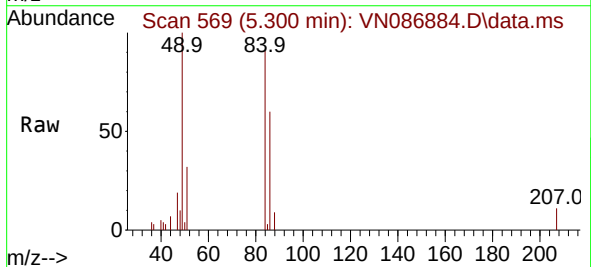
Instrument :
MSVOA_N
ClientSampleId :
B-202-SB02

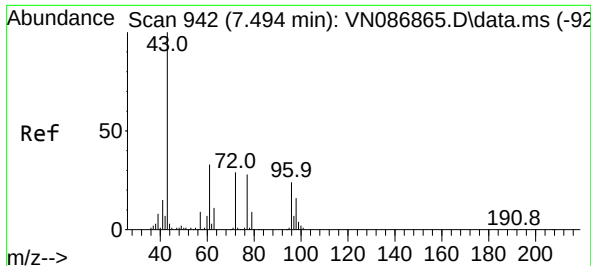
Tgt Ion: 43 Resp: 3666
Ion Ratio Lower Upper
43 100
74 10.0 20.7 31.1#



#20
Methylene Chloride
Concen: 3.436 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Tgt Ion: 84 Resp: 18722
Ion Ratio Lower Upper
84 100
49 109.6 90.5 135.7
51 35.4 28.5 42.7
86 65.9 48.1 72.1

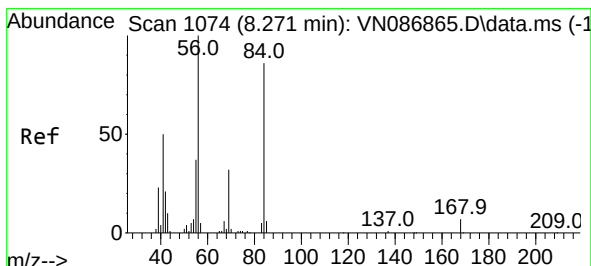
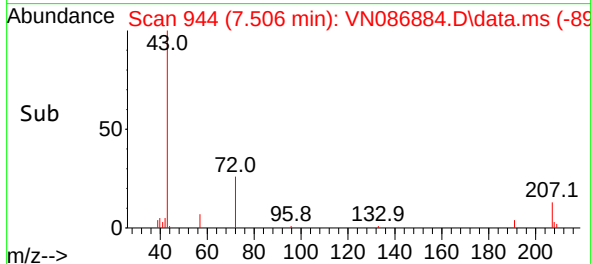
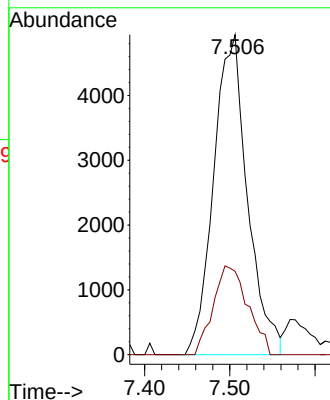
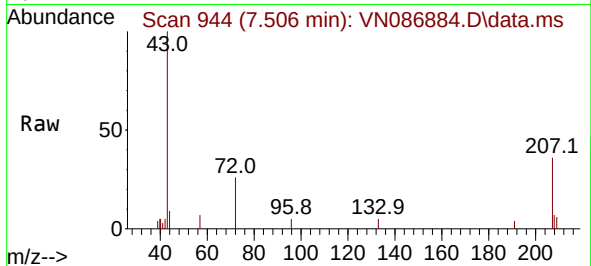




#25
2-Butanone
Concen: 2.882 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

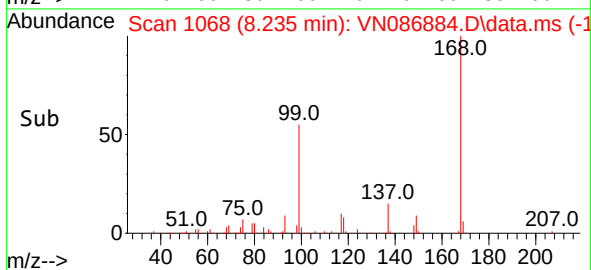
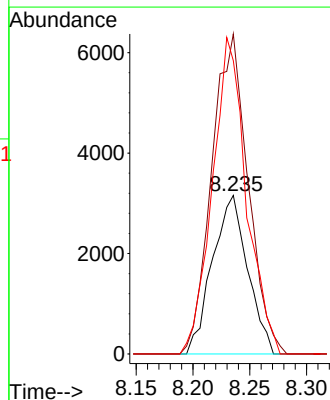
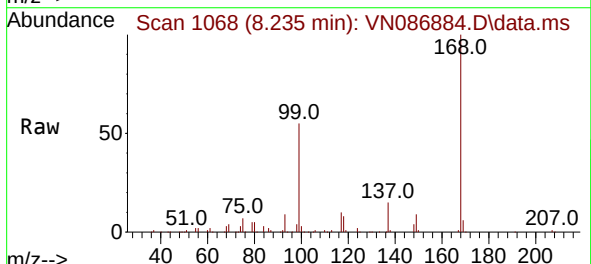
Instrument :
MSVOA_N
ClientSampleId :
B-202-SB02

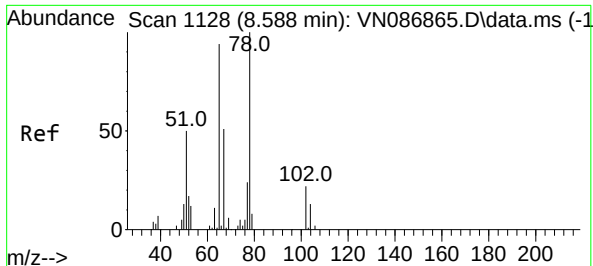
Tgt Ion: 43 Resp: 13632
Ion Ratio Lower Upper
43 100
72 26.1 23.0 34.6



#31
Cyclohexane
Concen: 0.764 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Tgt Ion: 56 Resp: 6800
Ion Ratio Lower Upper
56 100
69 201.9 25.4 38.0#
84 185.0 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 41.762 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086884.D

Acq: 06 Jun 2025 22:07

Instrument :

MSVOA_N

ClientSampleId :

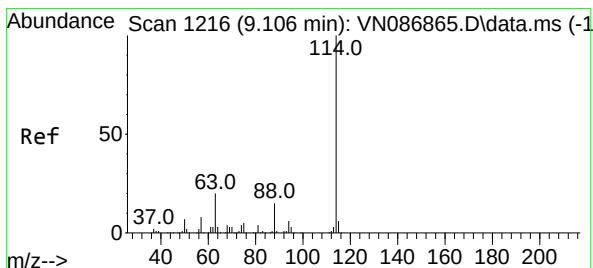
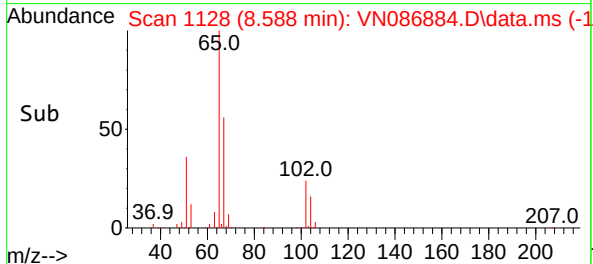
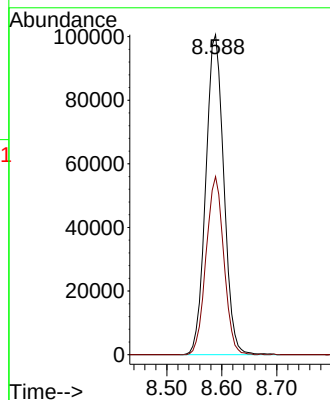
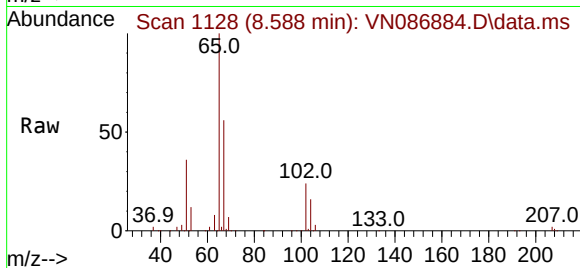
B-202-SB02

Tgt Ion: 65 Resp: 229171

Ion Ratio Lower Upper

65 100

67 54.7 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086884.D

Acq: 06 Jun 2025 22:07

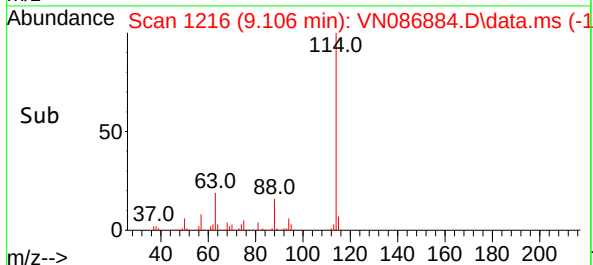
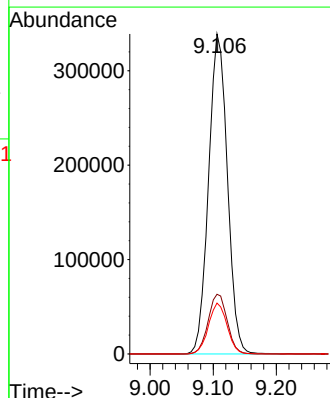
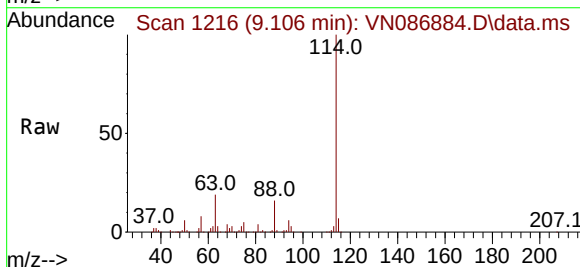
Tgt Ion: 114 Resp: 701621

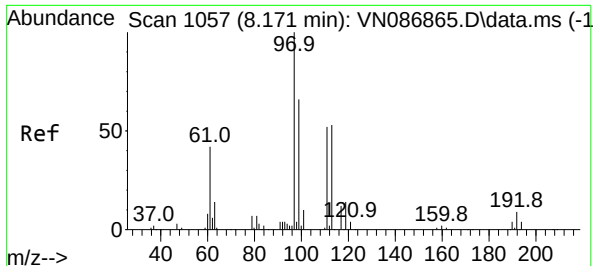
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.955 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086884.D

Acq: 06 Jun 2025 22:07

Instrument :

MSVOA_N

ClientSampleId :

B-202-SB02

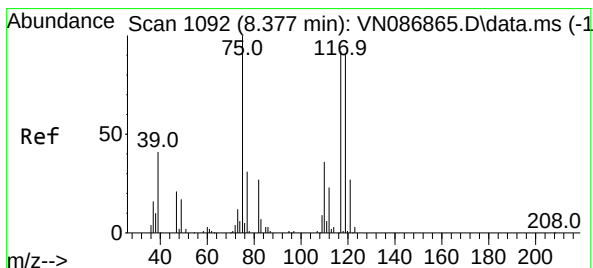
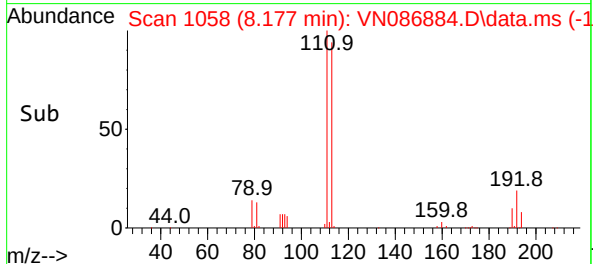
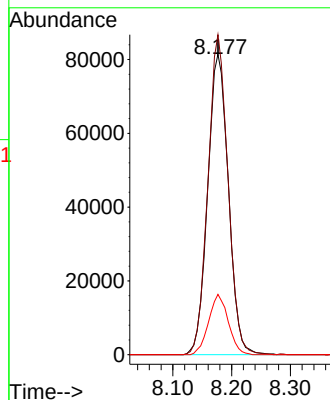
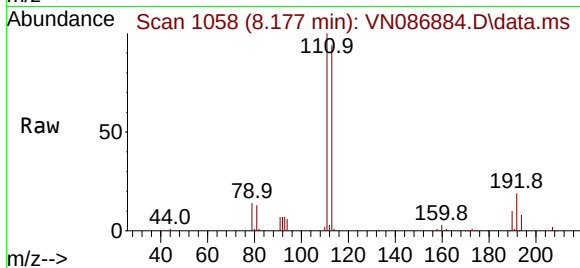
Tgt Ion:113 Resp: 199395

Ion Ratio Lower Upper

113 100

111 102.8 84.2 126.2

192 19.0 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.729 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086884.D

Acq: 06 Jun 2025 22:07

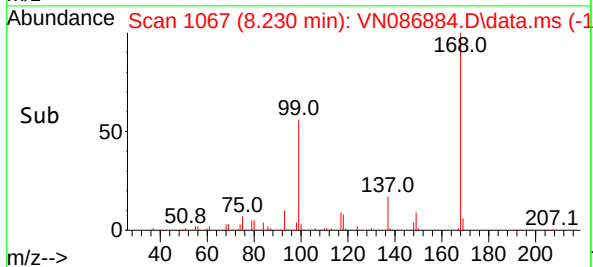
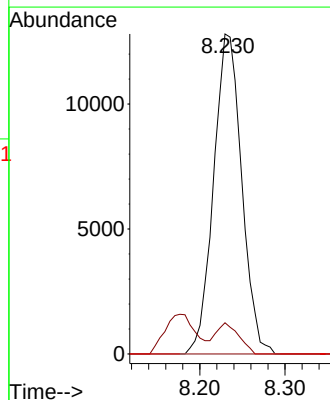
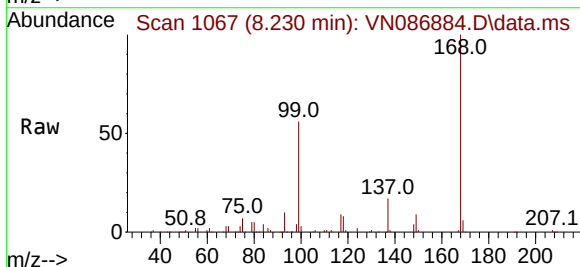
Tgt Ion: 75 Resp: 29303

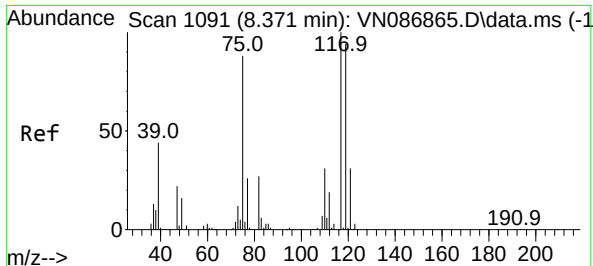
Ion Ratio Lower Upper

75 100

110 8.4 17.6 52.9#

77 0.0 25.3 37.9#

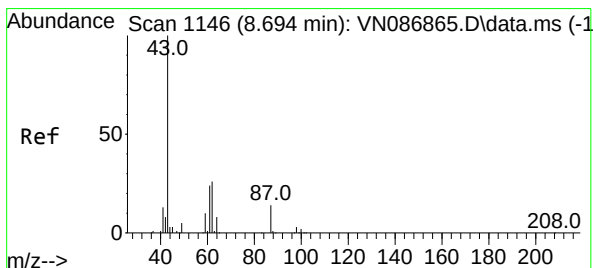
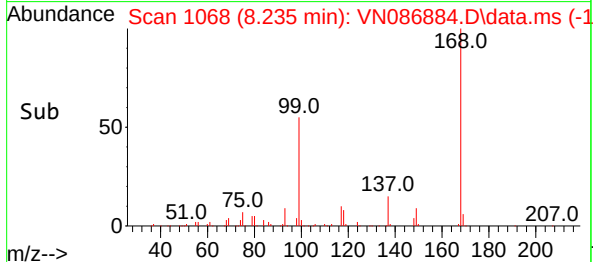
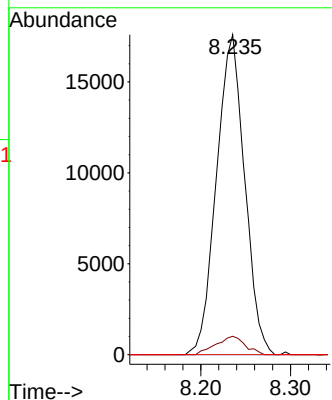
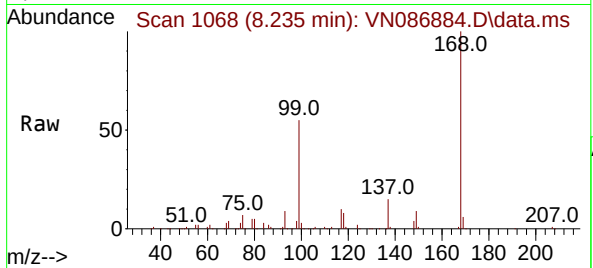




#38
Carbon Tetrachloride
Concen: 6.302 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

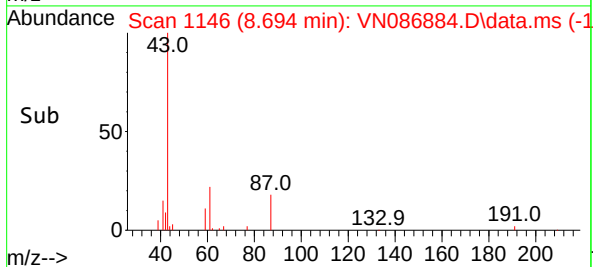
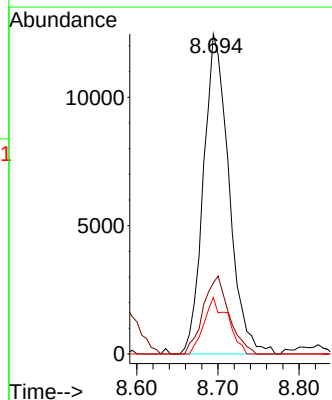
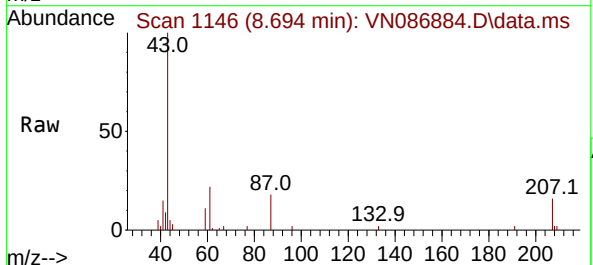
Instrument :
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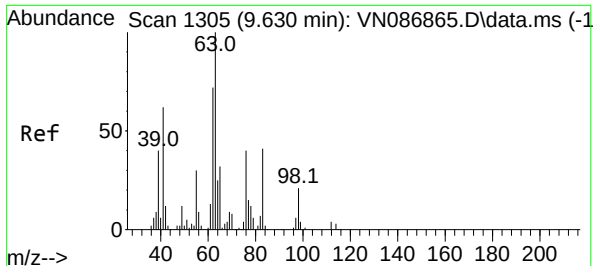
Tgt Ion:117 Resp: 38331
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 2.153 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Tgt Ion: 43 Resp: 27252
Ion Ratio Lower Upper
43 100
61 24.7 22.1 33.1
87 16.4 11.8 17.6





#45

1,2-Dichloropropane

Concen: 0.270 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.118 min

Lab File: VN086884.D

Acq: 06 Jun 2025 22:07

Instrument :

MSVOA_N

ClientSampleId :

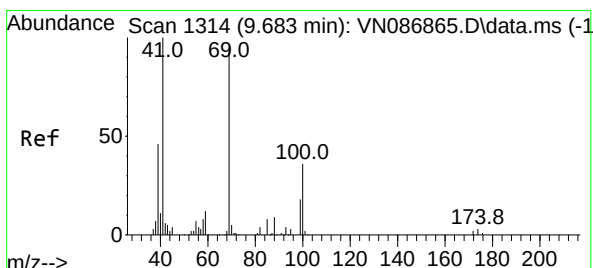
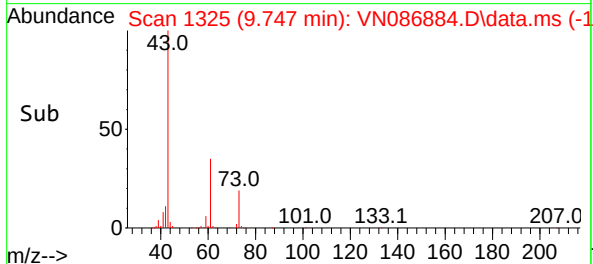
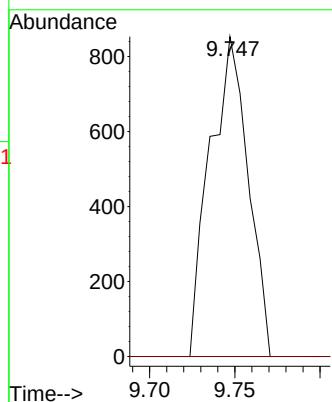
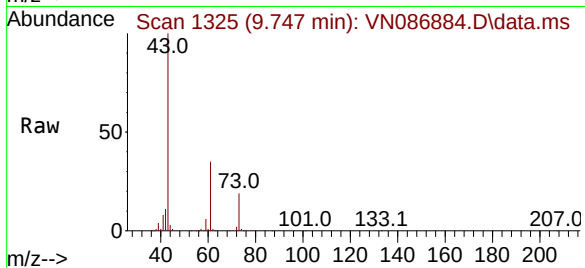
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Tgt Ion: 63 Resp: 1331

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 13.518 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN086884.D

Acq: 06 Jun 2025 22:07

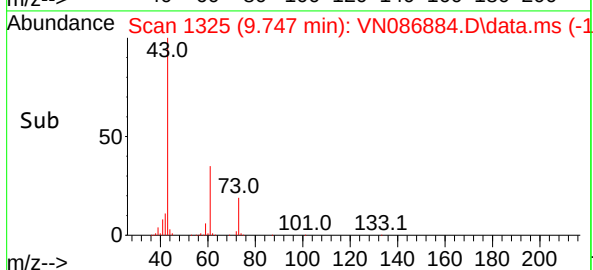
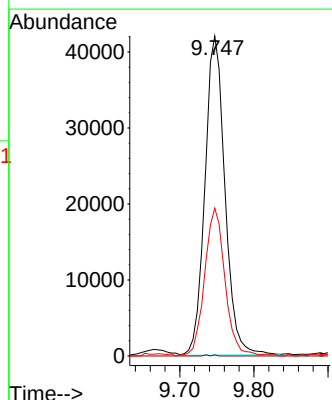
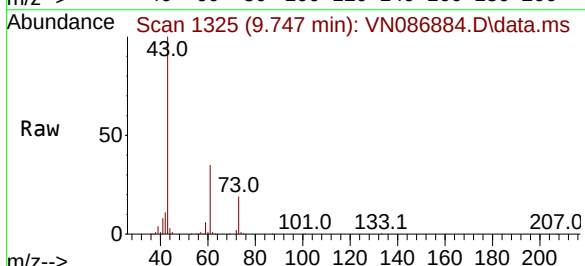
Tgt Ion: 41 Resp: 78762

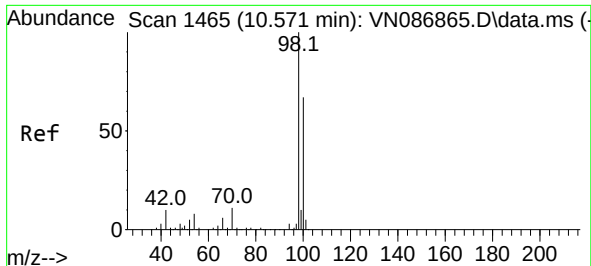
Ion Ratio Lower Upper

41 100

69 0.1 74.6 112.0#

39 47.0 40.2 60.4

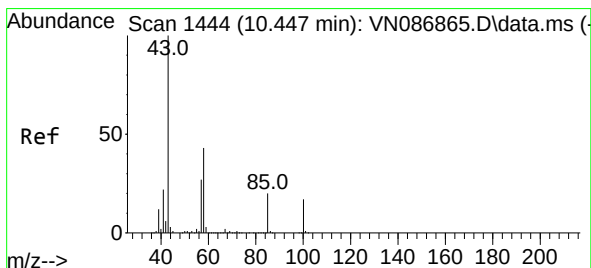
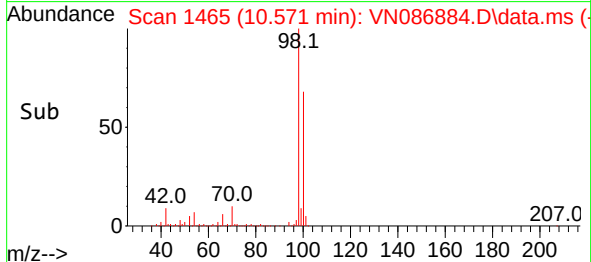
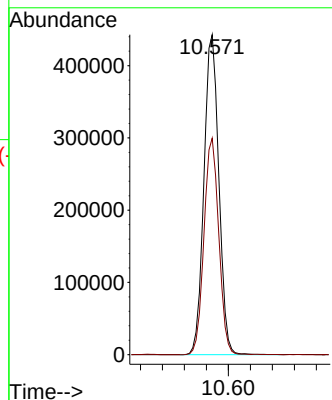
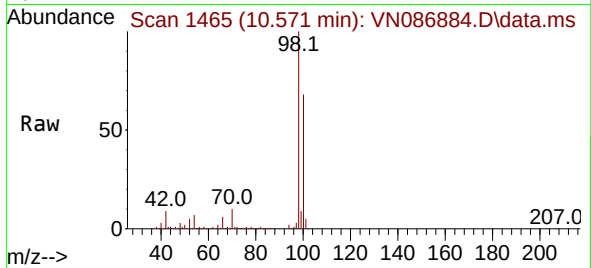




#50
Toluene-d8
Concen: 50.559 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

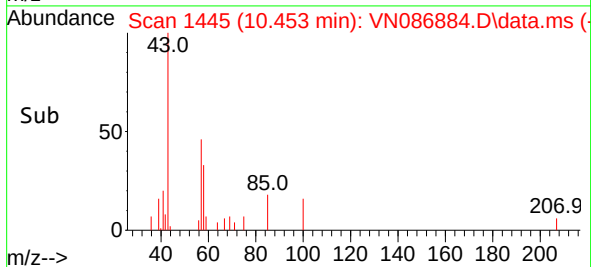
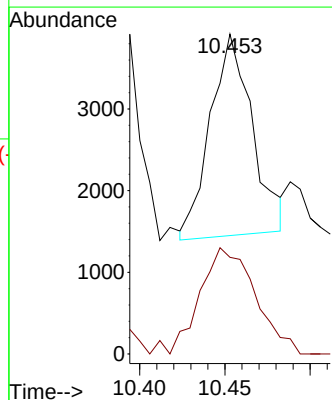
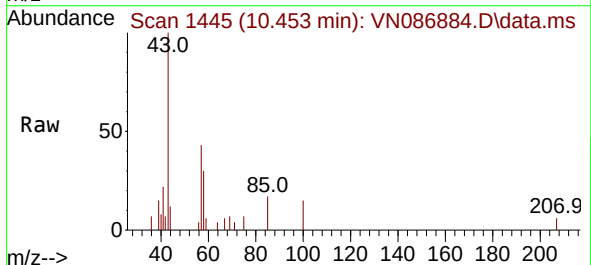
Instrument :
MSVOA_N
ClientSampleId :
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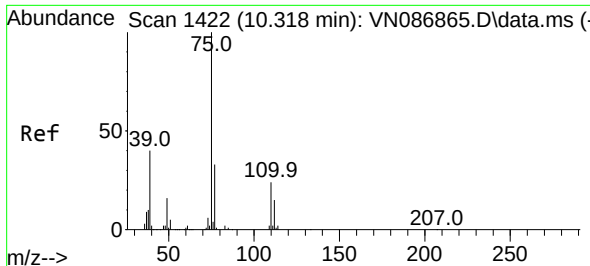
Tgt Ion: 98 Resp: 832222
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.556 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Tgt Ion: 43 Resp: 4236
Ion Ratio Lower Upper
43 100
58 70.2 34.2 51.4#

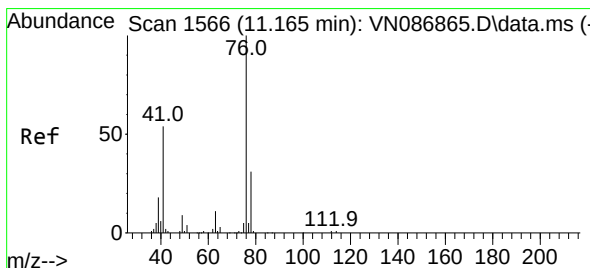
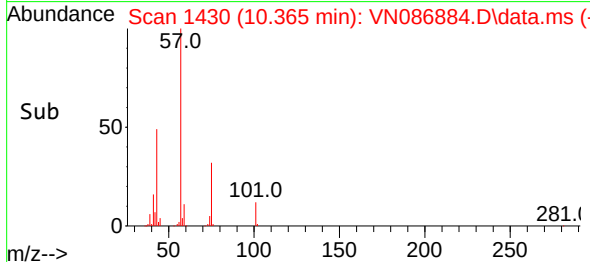
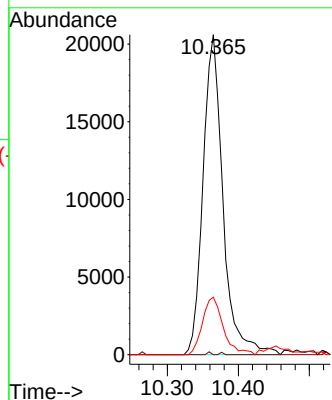
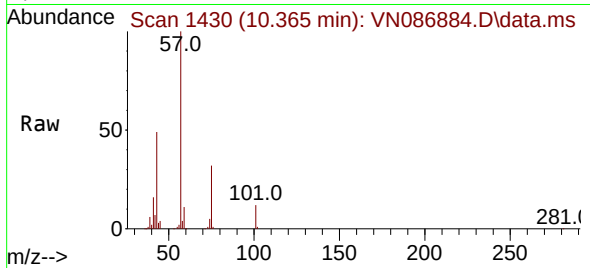




#54
 cis-1,3-Dichloropropene
 Concen: 4.997 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN086884.D
 Acq: 06 Jun 2025 22:07

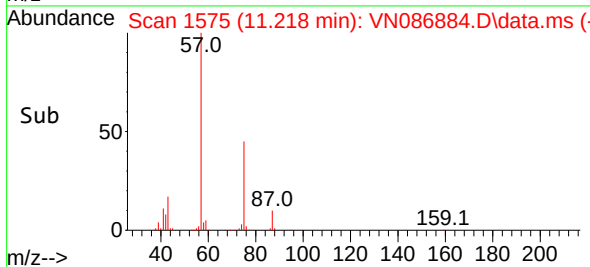
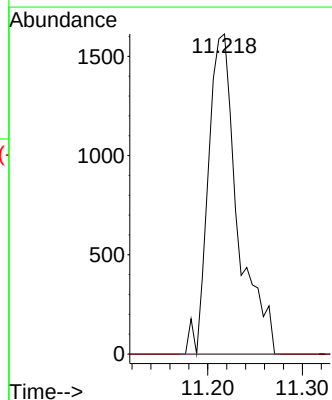
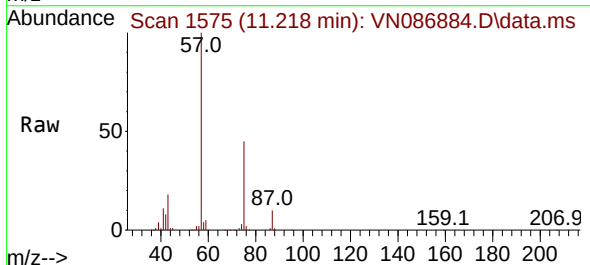
Instrument :
 MSVOA_N
 ClientSampleId :
 B-202-SB02

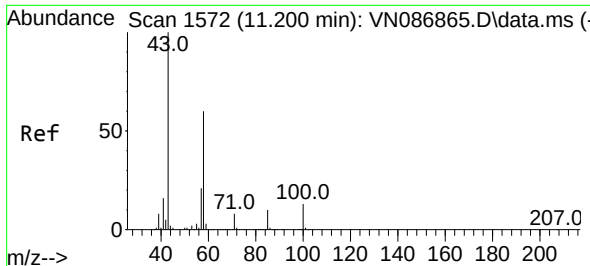
Tgt Ion: 75 Resp: 40273
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.4#
 39 17.9 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 0.423 ug/l
 RT: 11.218 min Scan# 1575
 Delta R.T. 0.053 min
 Lab File: VN086884.D
 Acq: 06 Jun 2025 22:07

Tgt Ion: 76 Resp: 3499
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

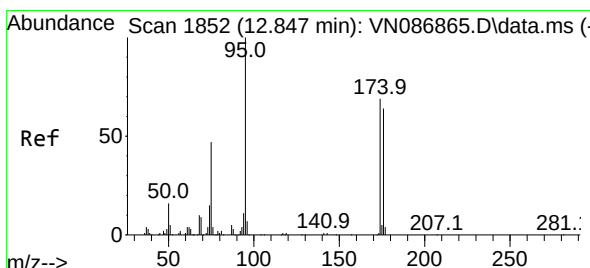
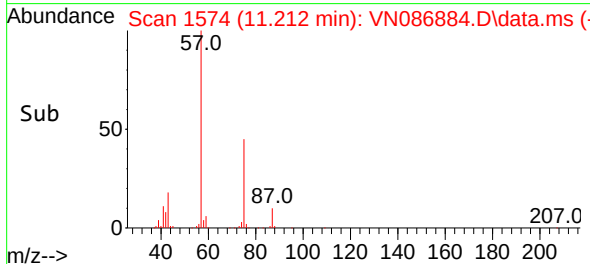
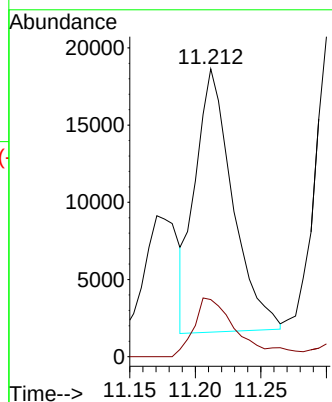
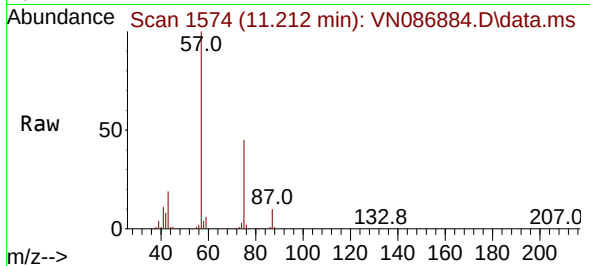




#59
2-Hexanone
Concen: 6.878 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

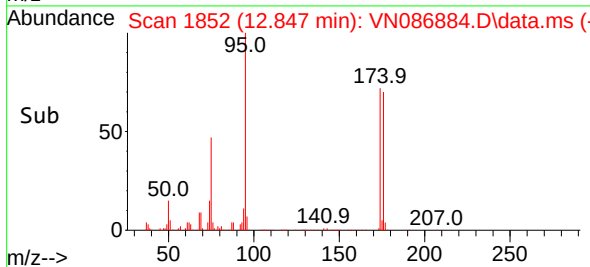
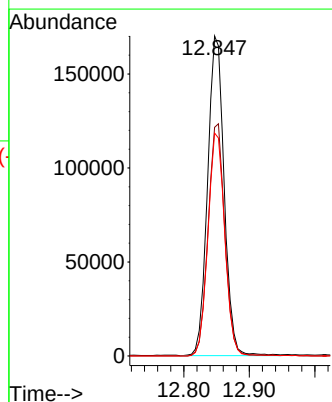
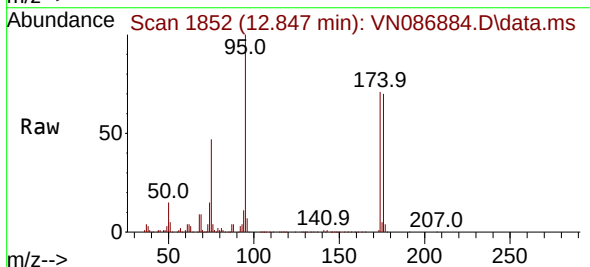
Instrument :
MSVOA_N
ClientSampleId :
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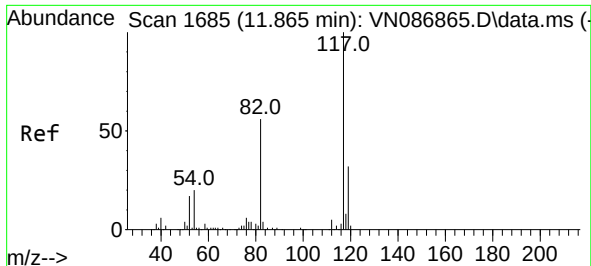
Tgt Ion: 43 Resp: 33763
Ion Ratio Lower Upper
43 100
58 26.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 48.854 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Tgt Ion: 95 Resp: 298767
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.8
176 70.8 0.0 132.6

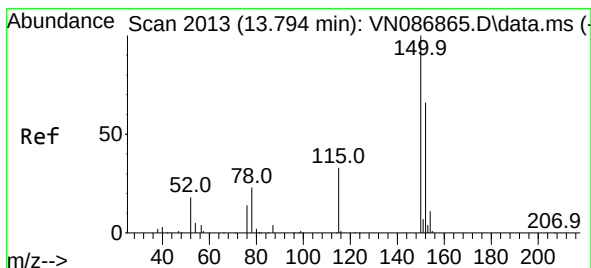
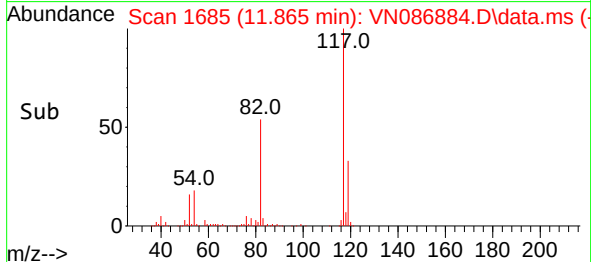
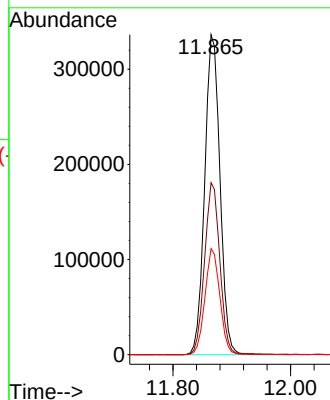
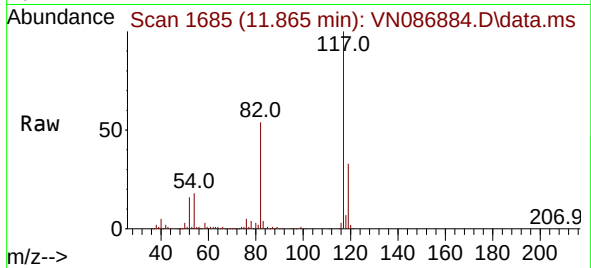




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

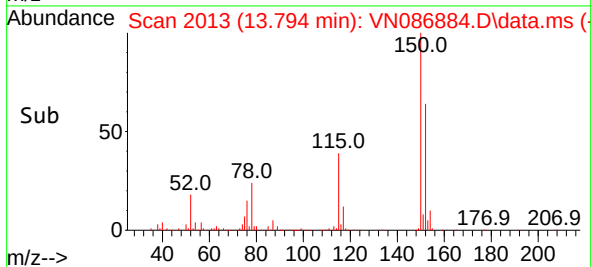
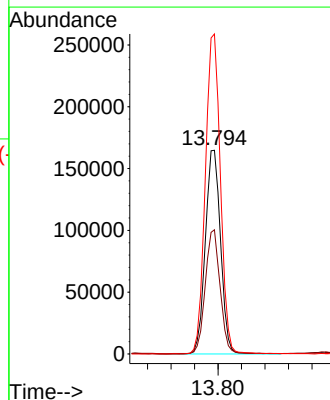
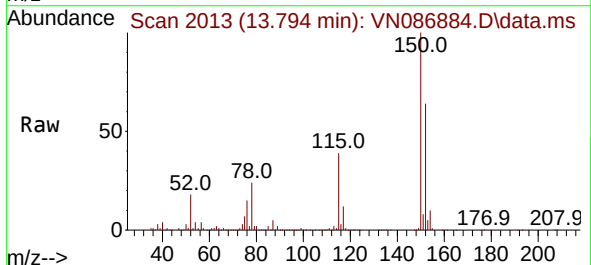
Instrument :
MSVOA_N
ClientSampleId :
B-202-SB02

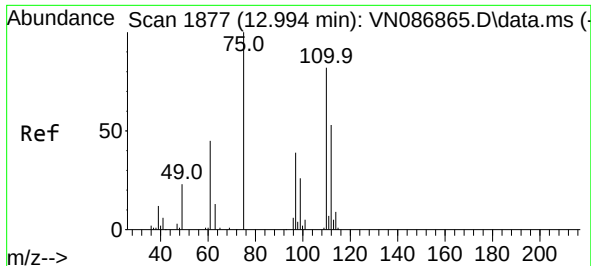
Tgt Ion:117 Resp: 607667
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 33.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Tgt Ion:152 Resp: 296022
Ion Ratio Lower Upper
152 100
115 58.5 30.1 90.5
150 155.7 0.0 345.0

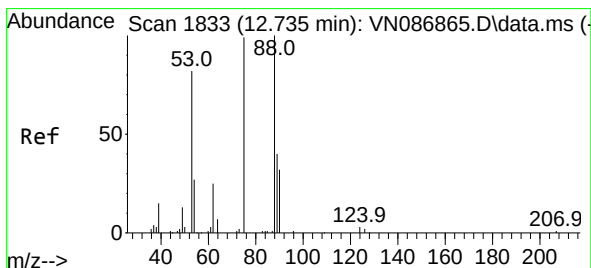
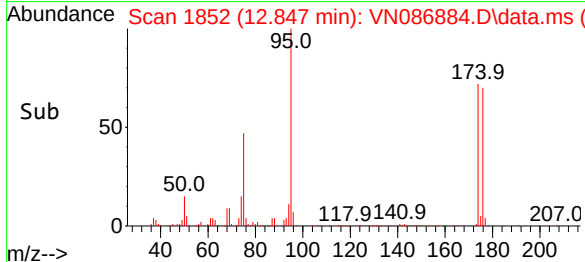
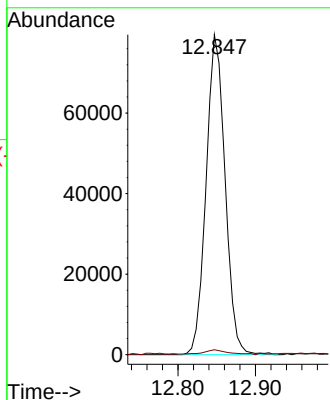
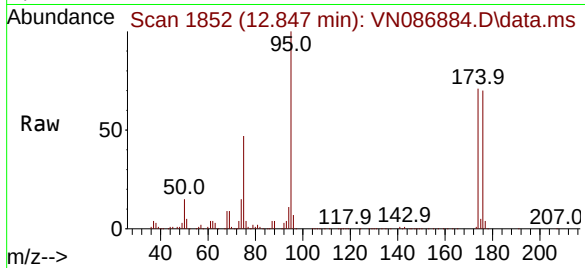




#76
1,2,3-Trichloropropane
Concen: 19.232 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

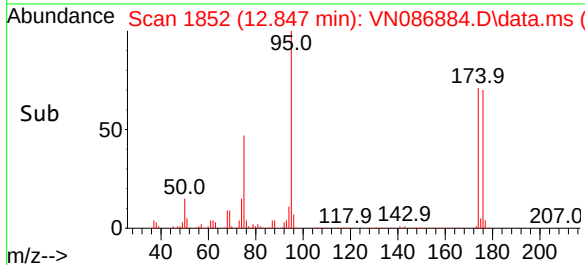
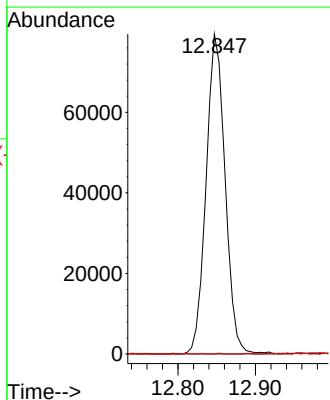
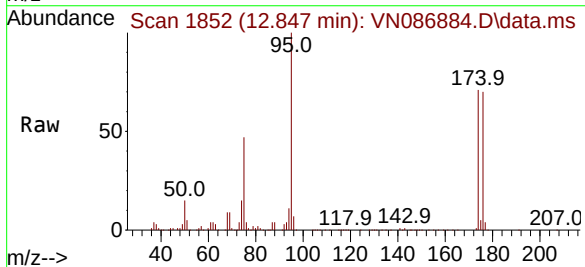
Instrument :
MSVOA_N
ClientSampleId :
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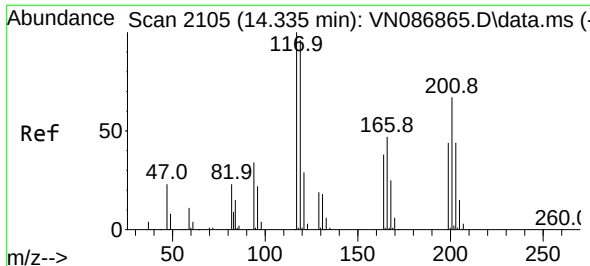
Tgt Ion: 75 Resp: 135324
Ion Ratio Lower Upper
75 100
77 2.0 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.270 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Tgt Ion: 75 Resp: 135324
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

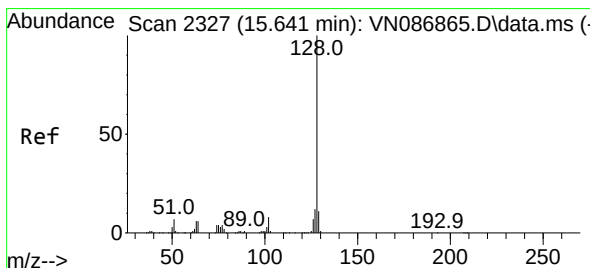
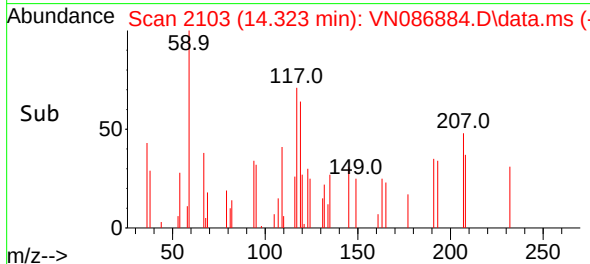
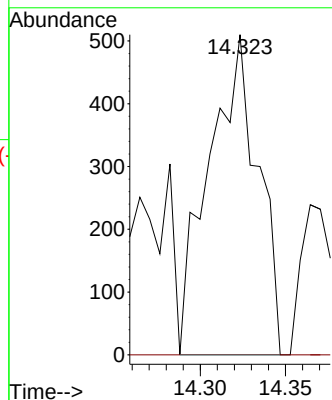
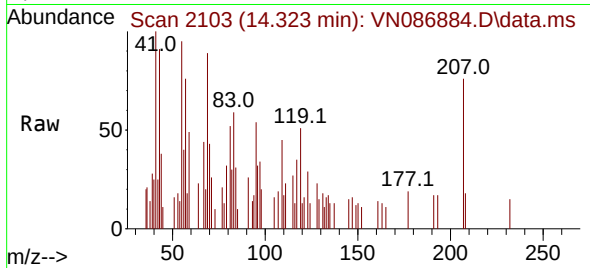




#90
Hexachloroethane
Concen: 0.307 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. -0.012 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Instrument :
MSVOA_N
ClientSampleId :
B-202-SB02

Tgt Ion:117 Resp: 1018
Ion Ratio Lower Upper
117 100
201 0.0 33.2 99.6#



#95
Naphthalene
Concen: 1.378 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086884.D
Acq: 06 Jun 2025 22:07

Tgt Ion:128 Resp: 30617
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.2
129 16.2 8.8 13.2#

