

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087204.D
 Acq On : 26 Jun 2025 18:59
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 27 05:56:02 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	8.229	168	172164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	357966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	139802	56.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.860%			
35) Dibromofluoromethane	8.171	113	108735	46.984	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.960%			
50) Toluene-d8	10.565	98	441509	46.127	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.847	95	147972	44.552	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.100%			
Target Compounds						Qvalue
5) Bromomethane	3.012	94	598	0.490	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.400	101	310	Below Cal	#	21
10) Methyl Iodide	4.630	142	1104	0.654	ug/l #	42
13) Acrolein	4.200	56	308	0.684	ug/l	85
14) Allyl chloride	5.041	41	55	Below Cal	#	38
15) Acrylonitrile	5.741	53	2019	Below Cal	#	85
16) Acetone	4.453	43	1091	Below Cal	#	42
17) Carbon Disulfide	4.742	76	8768	Below Cal		99
18) Methyl Acetate	5.047	43	191	Below Cal	#	51
20) Methylene Chloride	5.294	84	525	Below Cal	#	77
21) trans-1,2-Dichloroethene	5.806	96	1106	0.494	ug/l #	63
23) Vinyl Acetate	6.618	43	1747	0.272	ug/l #	71
25) 2-Butanone	7.500	43	830	0.442	ug/l #	47
31) Cyclohexane	8.229	56	4386	1.143	ug/l #	1
36) 1,1-Dichloropropene	8.382	75	751	0.222	ug/l #	58
37) Ethyl Acetate	7.500	43	830	Below Cal	#	24
38) Carbon Tetrachloride	8.229	117	17260	5.228	ug/l #	17
39) Methylcyclohexane	9.600	83	1233	0.298	ug/l	93
44) Trichloroethene	9.359	130	514	0.205	ug/l	85
49) 1,4-Dioxane	9.541	88	157	22.753	ug/l #	12
51) 4-Methyl-2-Pentanone	10.441	43	61	Below Cal	#	35
58) 2-Chloroethyl Vinyl ether	10.165	63	487	Below Cal	#	48
64) Tetrachloroethene	11.106	164	646	0.324	ug/l #	74
68) m/p-Xylenes	12.070	106	1762	0.382	ug/l	97
71) Bromoform	12.847	173	796	0.465	ug/l #	1
73) Isopropylbenzene	12.688	105	2869	0.285	ug/l	100
76) 1,2,3-Trichloropropane	12.847	75	74104	22.341	ug/l #	1
78) n-propylbenzene	13.029	91	5173	0.417	ug/l	93
79) 2-Chlorotoluene	13.123	91	2546	0.330	ug/l	82
80) 1,3,5-Trimethylbenzene	13.170	105	3342	0.402	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.847	75	74104	50.141	ug/l #	13
82) 4-Chlorotoluene	13.217	91	3036	0.395	ug/l	84
83) tert-Butylbenzene	13.435	119	3689	0.517	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	3353	0.398	ug/l	94
85) sec-Butylbenzene	13.617	105	7002	0.666	ug/l	96
86) p-Isopropyltoluene	13.723	119	5395	0.626	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Jun 27 05:55:21 2025
Response via : Initial Calibration

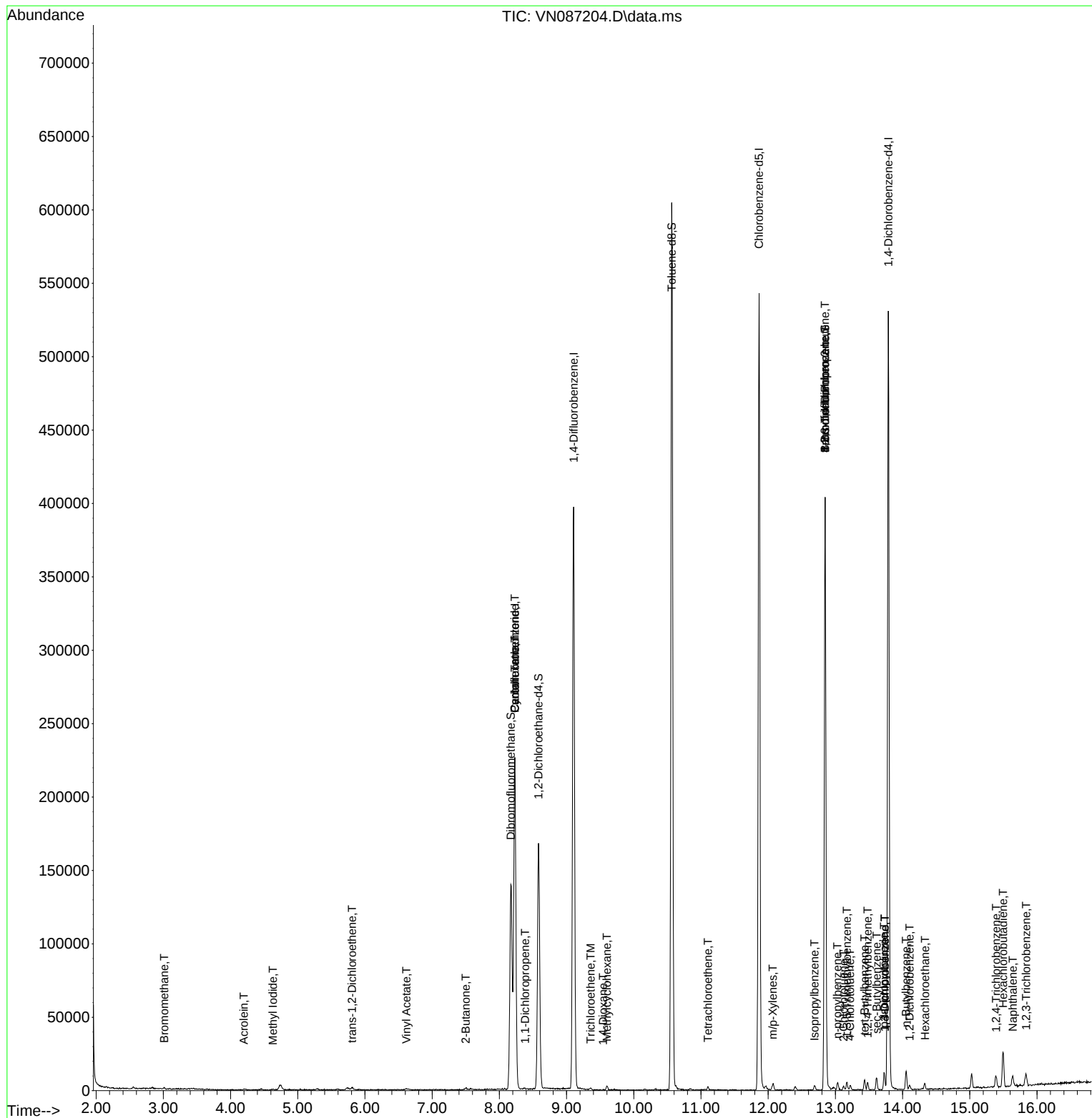
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	13.735	146	2201	0.447	ug/l	90
88) 1,4-Dichlorobenzene	13.735	146	2201	0.435	ug/l	90
89) n-Butylbenzene	14.053	91	8113	1.013	ug/l	94
90) Hexachloroethane	14.335	117	1094	0.656	ug/l	76
91) 1,2-Dichlorobenzene	14.106	146	1648	0.356	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	3704	1.435	ug/l	93
94) Hexachlorobutadiene	15.494	225	4674	5.741	ug/l	99
95) Naphthalene	15.641	128	7942	0.811	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.841	180	3584	1.407	ug/l	98

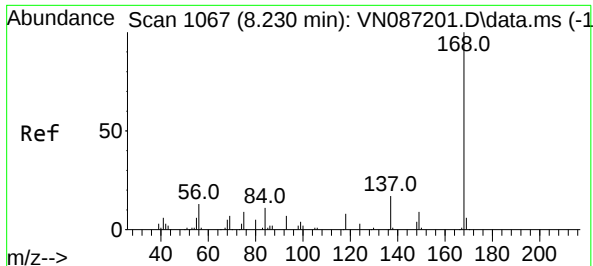
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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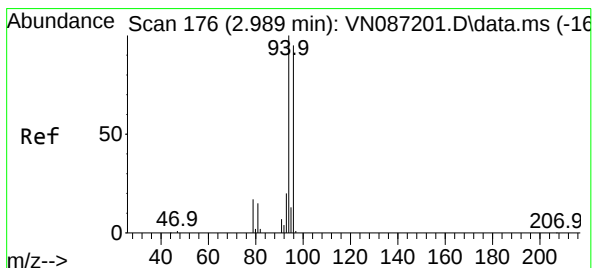
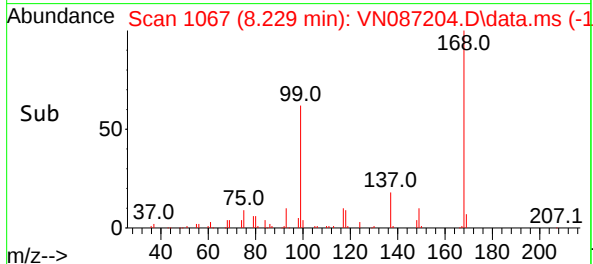
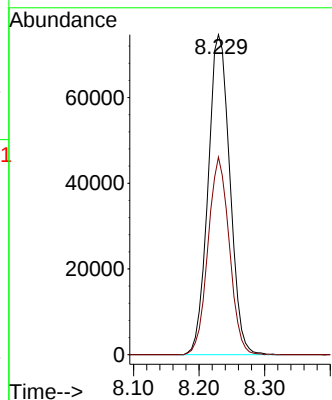
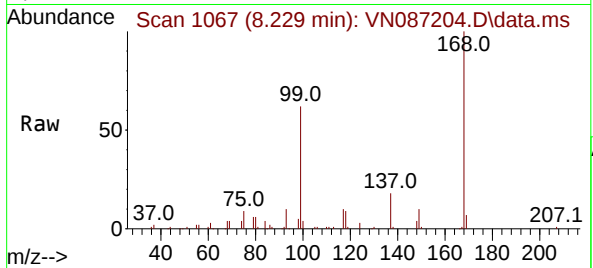




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

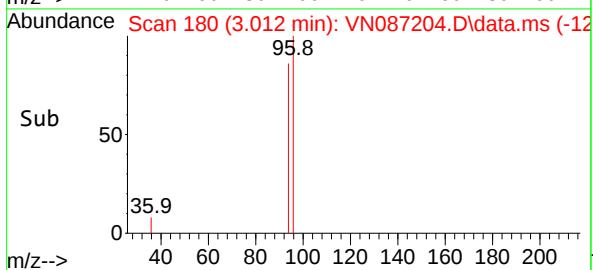
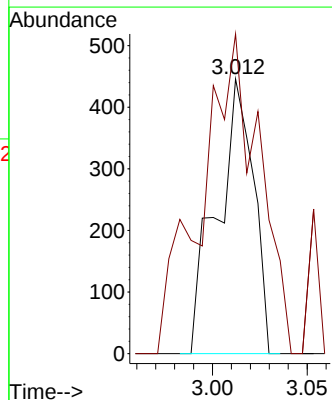
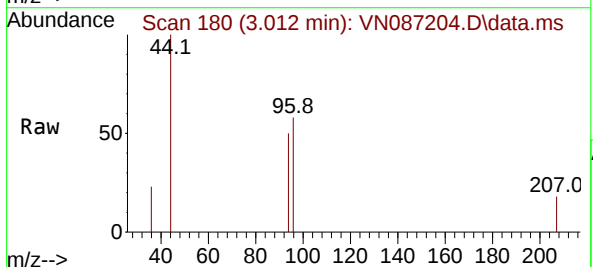
Instrument :
MSVOA_N
ClientSampleId :
IBLK

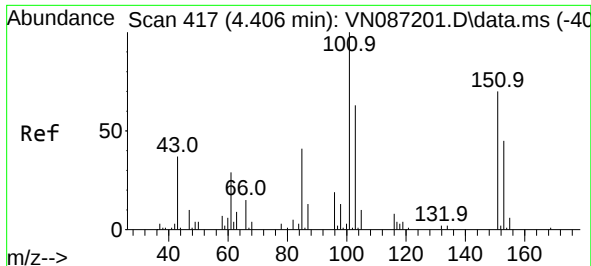
Tgt Ion:168 Resp: 172164
Ion Ratio Lower Upper
168 100
99 61.7 47.9 71.9



#5
Bromomethane
Concen: 0.490 ug/l
RT: 3.012 min Scan# 180
Delta R.T. 0.023 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion: 94 Resp: 598
Ion Ratio Lower Upper
94 100
96 82.5 75.7 113.5

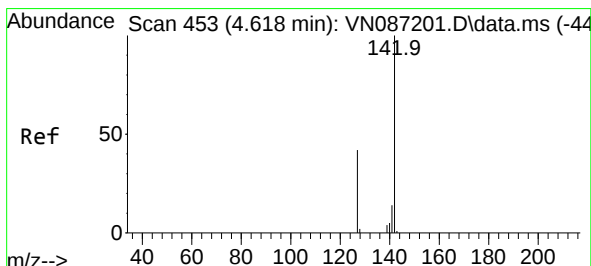
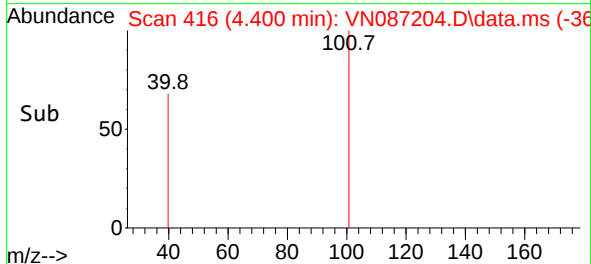
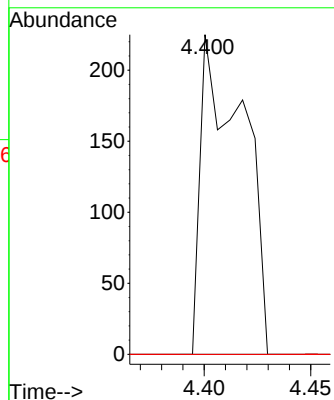
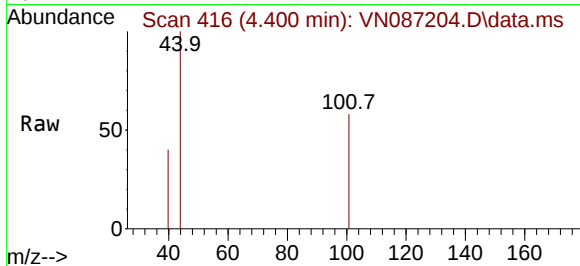




#9
1,1,2-Trichlorotrifluoroethane
Concen: Below Cal
RT: 4.400 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

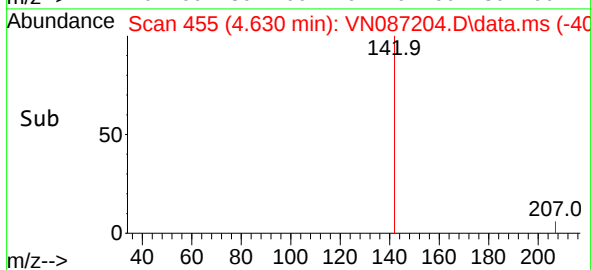
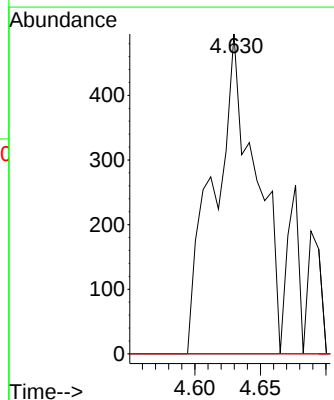
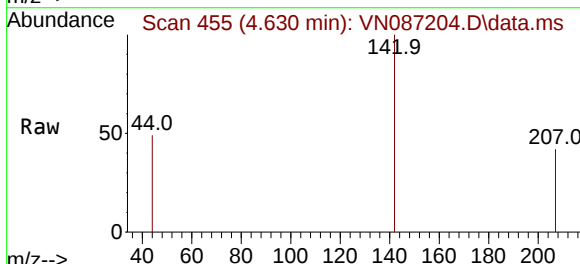
Instrument :
MSVOA_N
ClientSampleId :
IBLK

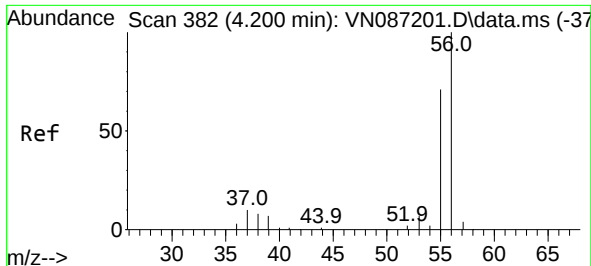
Tgt Ion:101 Resp: 310
Ion Ratio Lower Upper
101 100
85 0.0 34.3 51.5#
151 0.0 57.3 85.9#



#10
Methyl Iodide
Concen: 0.654 ug/l
RT: 4.630 min Scan# 455
Delta R.T. 0.012 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion:142 Resp: 1104
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#





#13

Acrolein

Concen: 0.684 ug/l

RT: 4.200 min Scan# 382

Delta R.T. 0.000 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

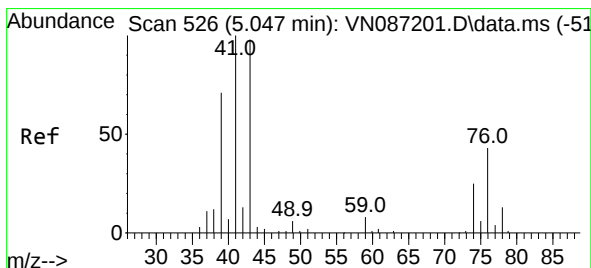
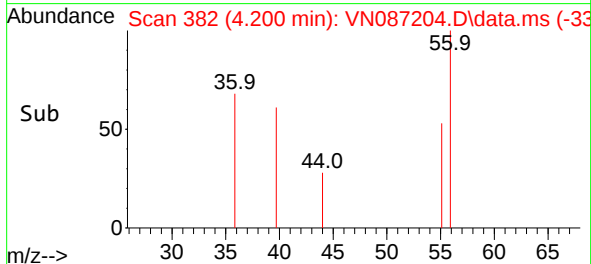
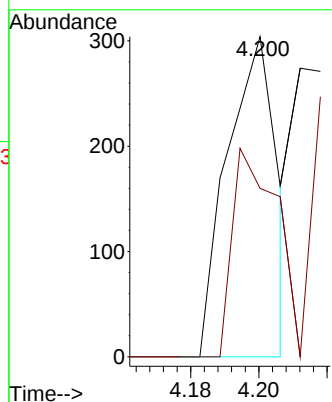
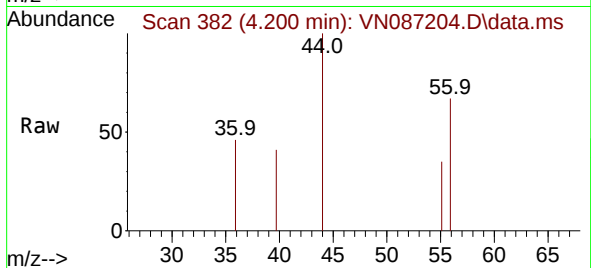
IBLK

Tgt Ion: 56 Resp: 308

Ion Ratio Lower Upper

56 100

55 58.4 56.8 85.2



#14

Allyl chloride

Concen: Below Cal

RT: 5.041 min Scan# 525

Delta R.T. -0.006 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

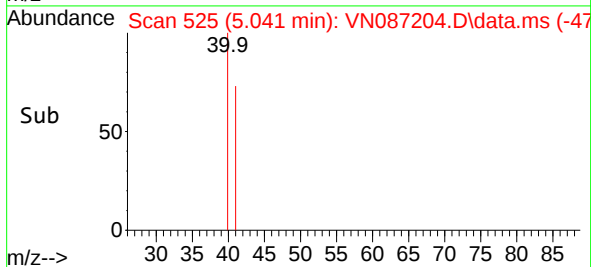
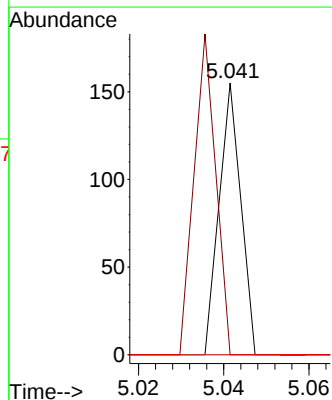
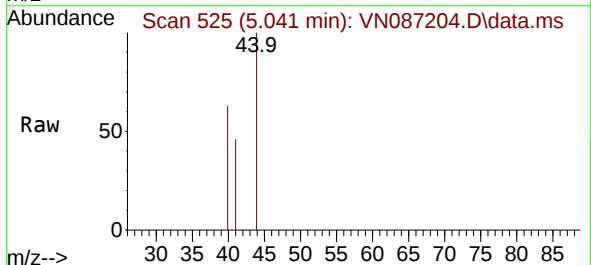
Tgt Ion: 41 Resp: 55

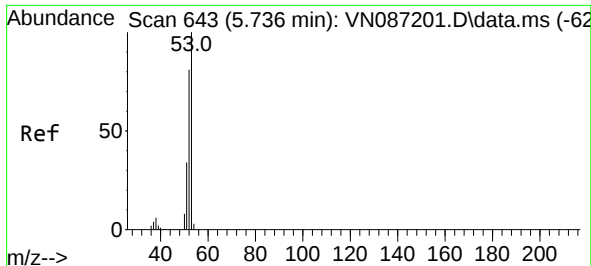
Ion Ratio Lower Upper

41 100

39 118.2 55.0 82.6#

76 0.0 31.3 46.9#

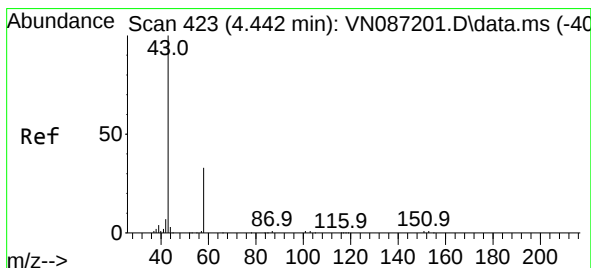
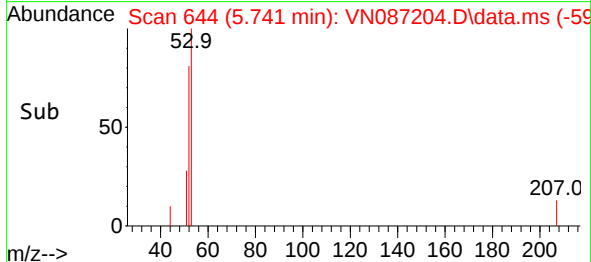
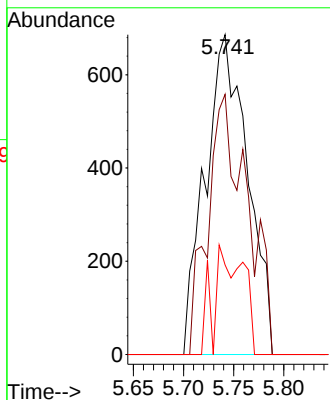
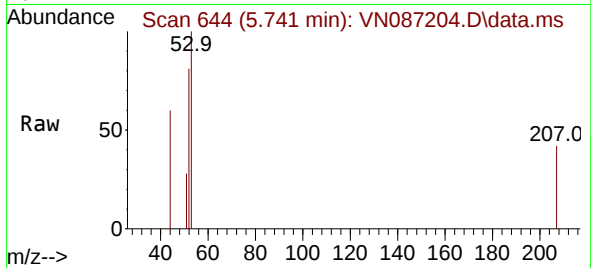




#15
Acrylonitrile
Concen: Below Cal
RT: 5.741 min Scan# 643
Delta R.T. 0.005 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

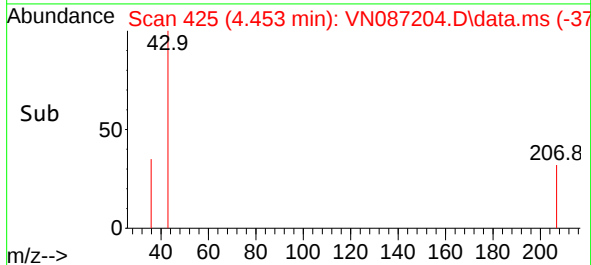
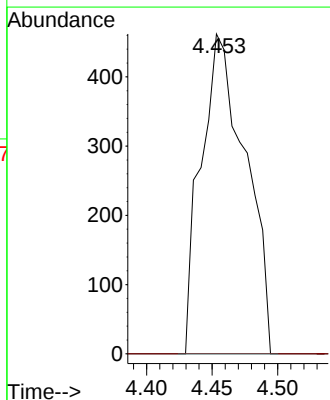
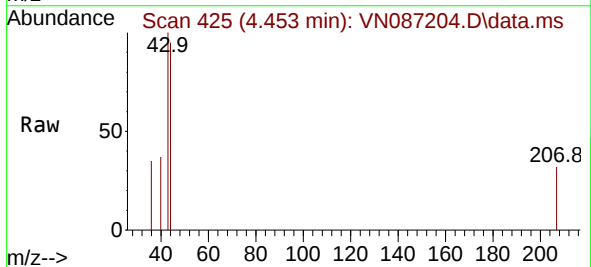
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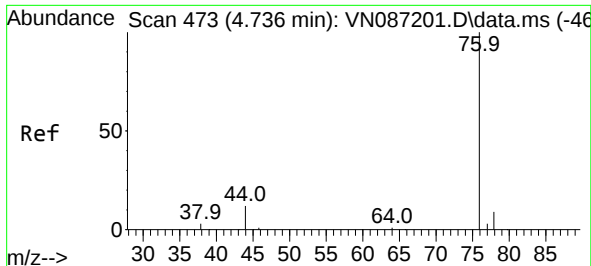
Tgt Ion: 53 Resp: 2019
Ion Ratio Lower Upper
53 100
52 76.3 65.0 97.6
51 13.9 27.8 41.6#



#16
Acetone
Concen: Below Cal
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 0.0 26.5 39.7#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.742 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

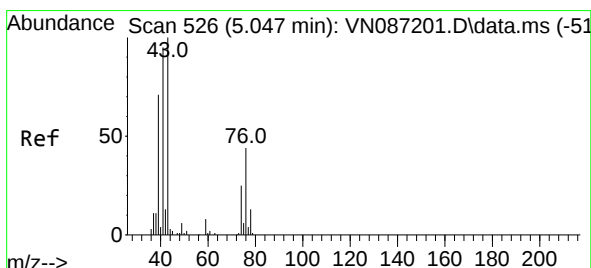
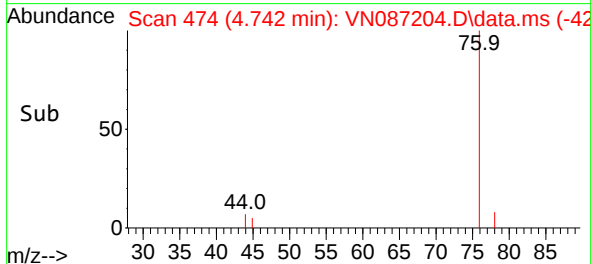
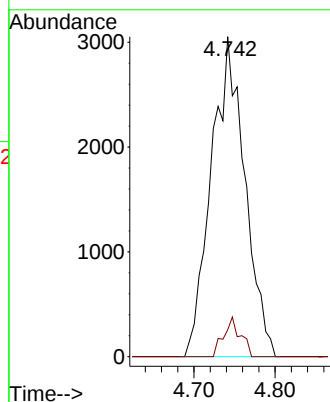
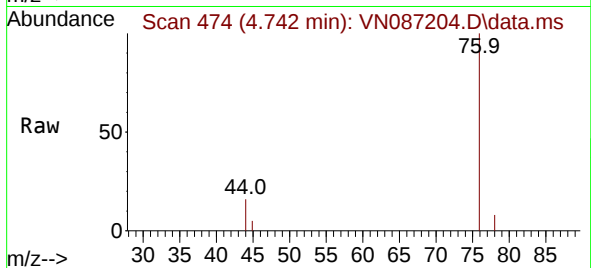
IBLK

Tgt Ion: 76 Resp: 8768

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.6



#18

Methyl Acetate

Concen: Below Cal

RT: 5.047 min Scan# 526

Delta R.T. 0.000 min

Lab File: VN087204.D

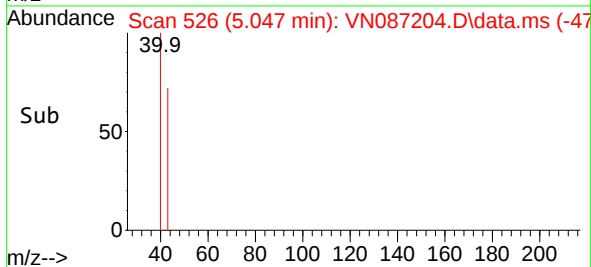
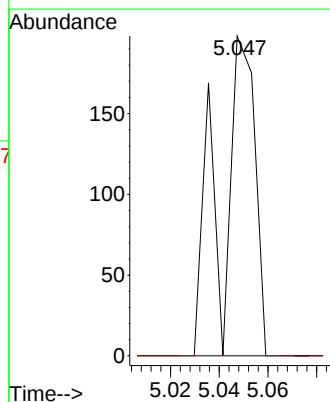
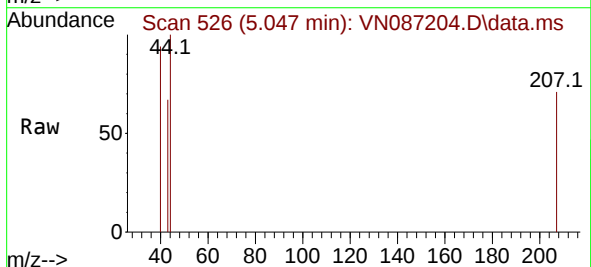
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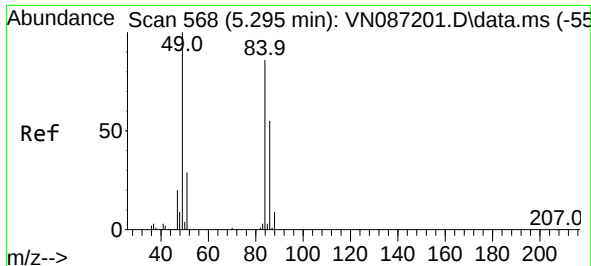
Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#

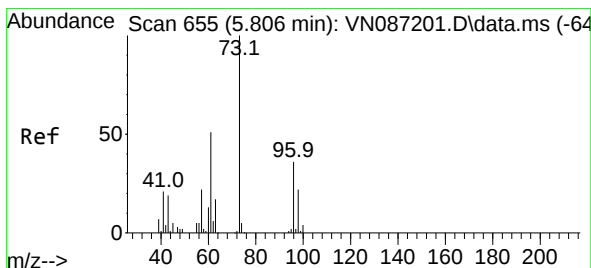
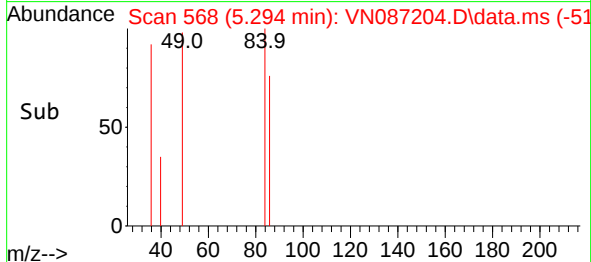
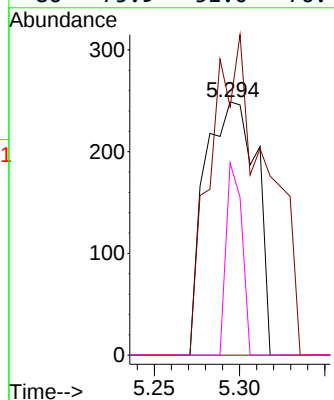
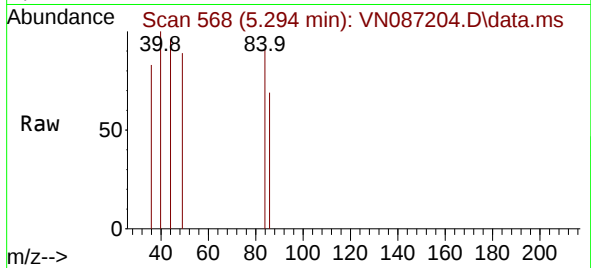




#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 511
Delta R.T. -0.001 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

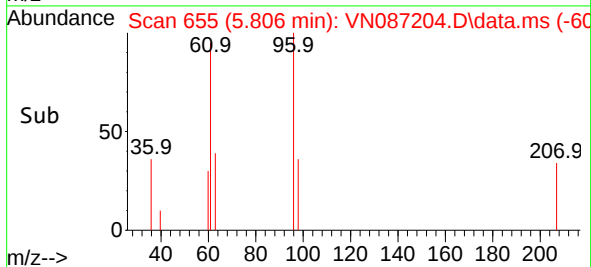
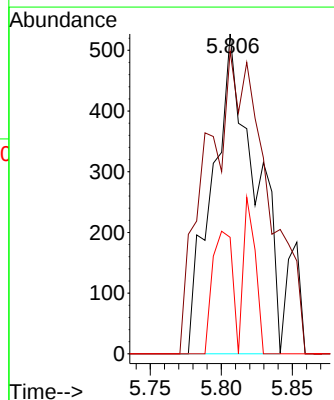
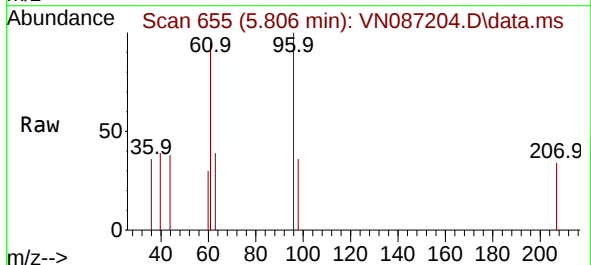
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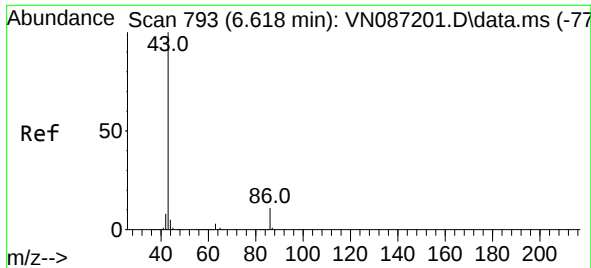
Tgt Ion:	84	Resp:	525
Ion	Ratio	Lower	Upper
84	100		
49	98.0	93.0	139.6
51	0.0	27.2	40.8#
86	75.9	51.0	76.4



#21
trans-1,2-Dichloroethene
Concen: 0.494 ug/l
RT: 5.806 min Scan# 655
Delta R.T. -0.000 min
Lab File: VN087204.D
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Tgt Ion:	96	Resp:	1106
Ion	Ratio	Lower	Upper
96	100		
61	94.7	113.8	170.8#
98	36.4	50.4	75.6#

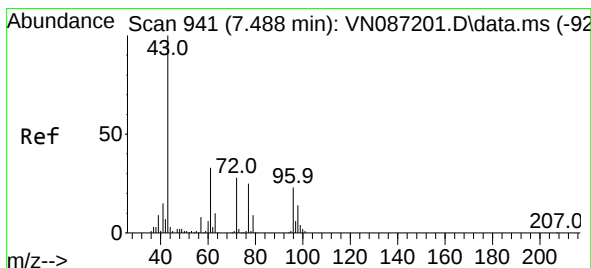
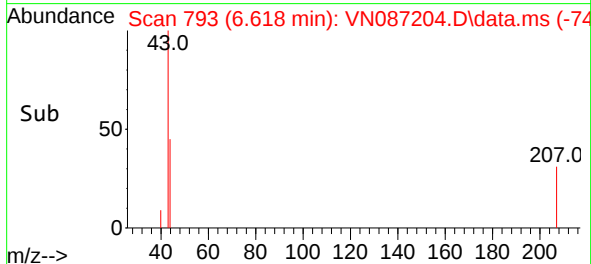
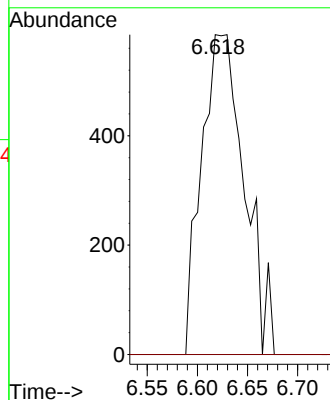
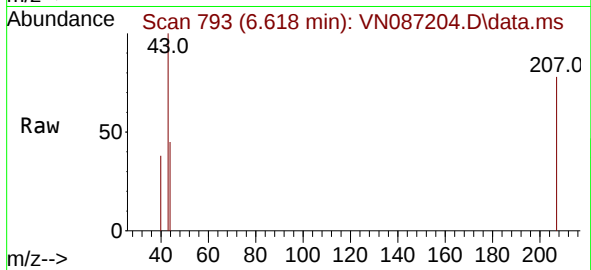




#23
 Vinyl Acetate
 Concen: 0.272 ug/l
 RT: 6.618 min Scan# 793
 Delta R.T. -0.000 min
 Lab File: VN087204.D
 Acq: 26 Jun 2025 18:59

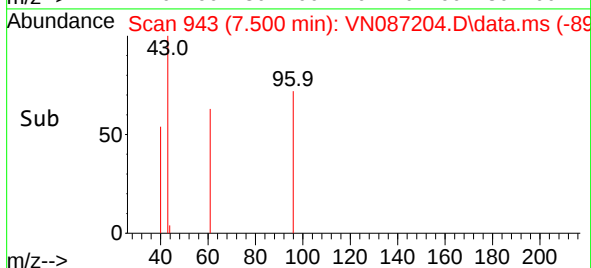
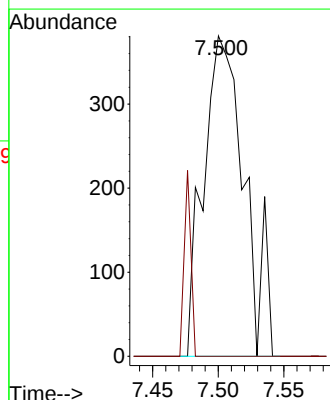
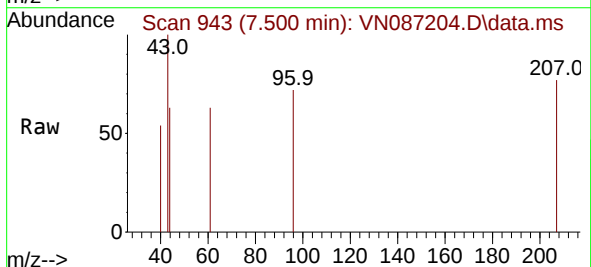
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

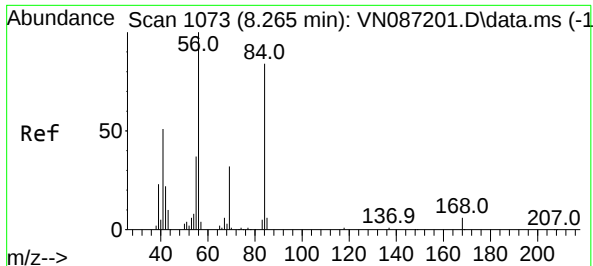
Tgt Ion: 43 Resp: 1747
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 0.442 ug/l
 RT: 7.500 min Scan# 943
 Delta R.T. 0.012 min
 Lab File: VN087204.D
 Acq: 26 Jun 2025 18:59

Tgt Ion: 43 Resp: 830
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.2 33.2#

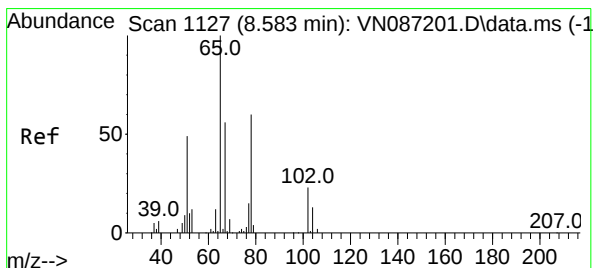
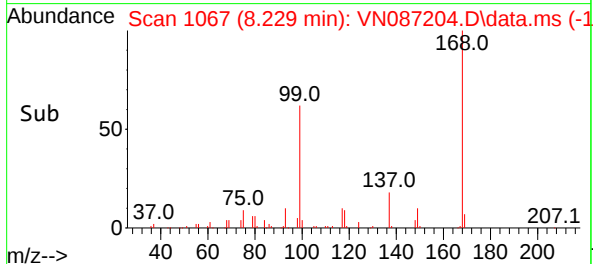
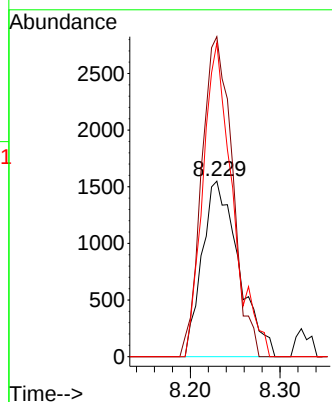
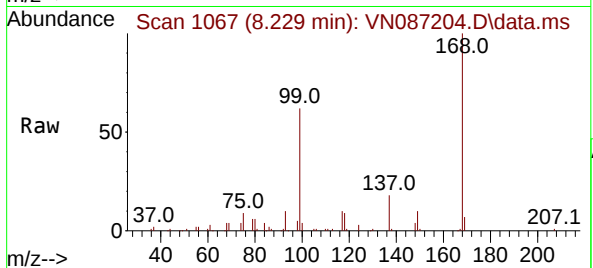




#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

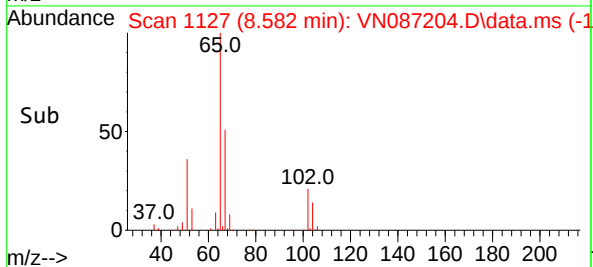
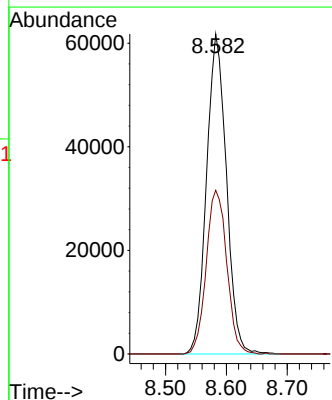
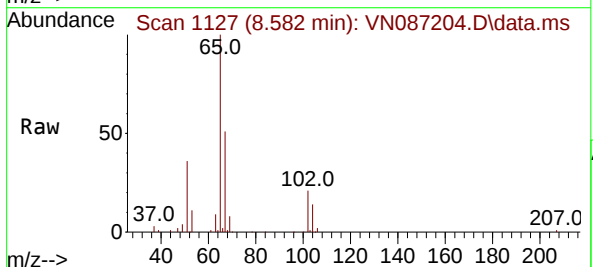
Instrument :
MSVOA_N
ClientSampleId :
IBLK

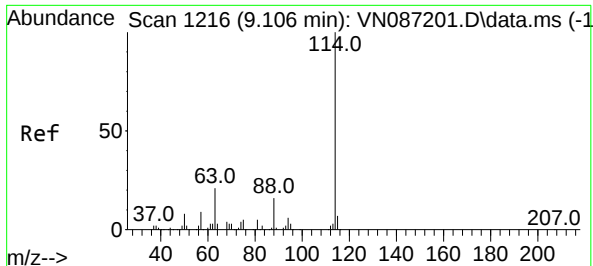
Tgt Ion: 56 Resp: 4386
Ion Ratio Lower Upper
56 100
69 182.3 25.3 37.9#
84 188.9 67.4 101.0#



#33
1,2-Dichloroethane-d4
Concen: 56.426 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion: 65 Resp: 139802
Ion Ratio Lower Upper
65 100
67 53.0 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: VN087204.D

Acq: 26 Jun 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

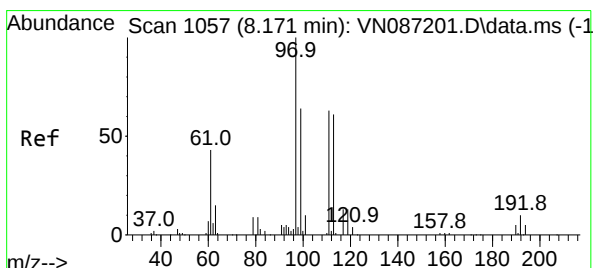
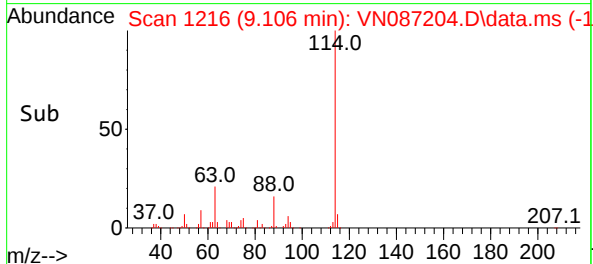
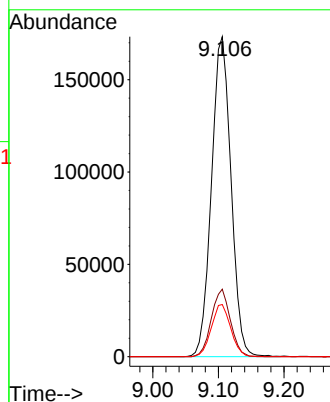
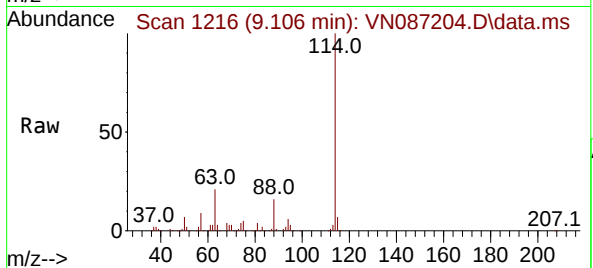
Tgt Ion:114 Resp: 357966

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.0

88 16.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 46.984 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

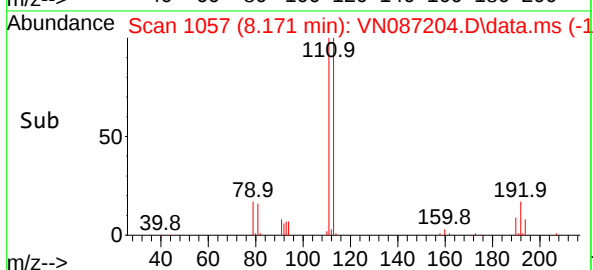
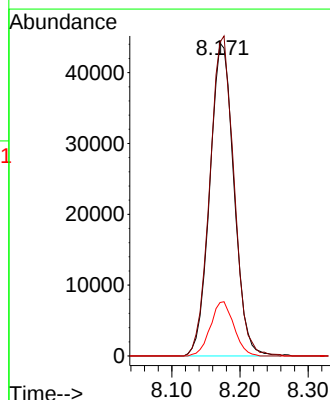
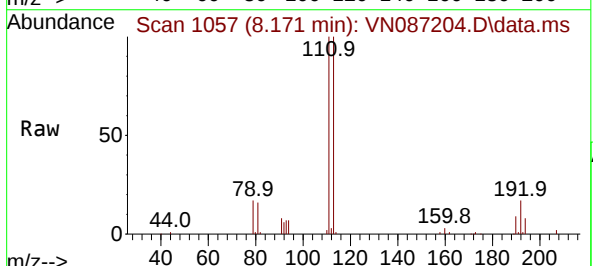
Tgt Ion:113 Resp: 108735

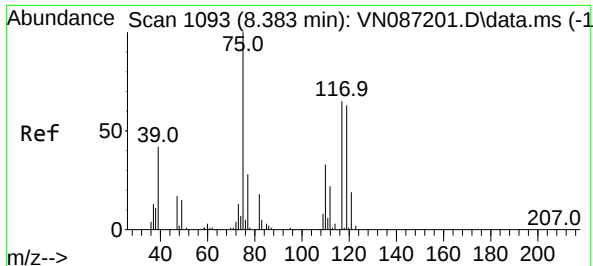
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 16.9 13.5 20.3





#36

1,1-Dichloropropene

Concen: 0.222 ug/l

RT: 8.382 min Scan# 1093

Delta R.T. -0.000 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

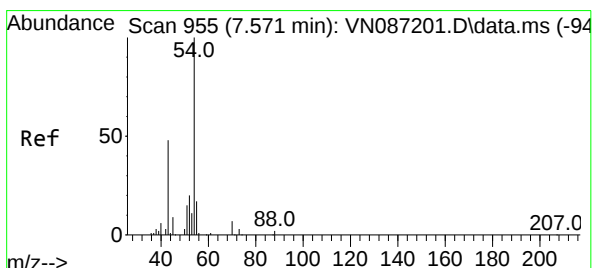
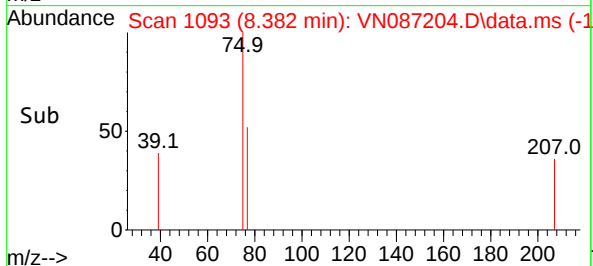
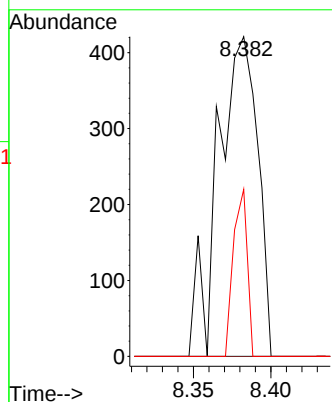
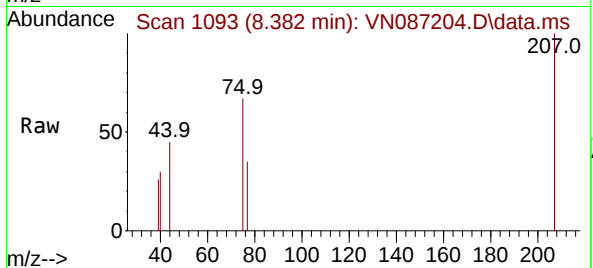
Tgt Ion: 75 Resp: 751

Ion Ratio Lower Upper

75 100

110 0.0 16.9 50.6#

77 18.2 24.7 37.1#



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.500 min Scan# 943

Delta R.T. -0.071 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

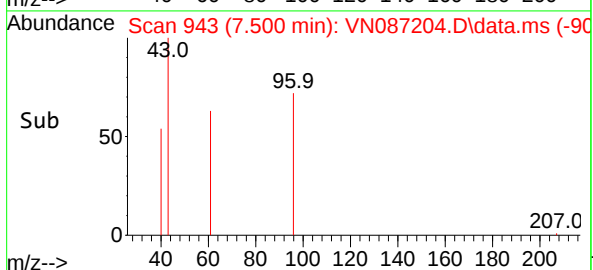
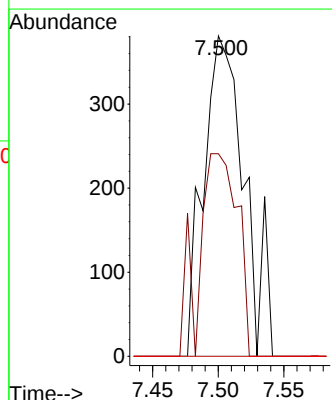
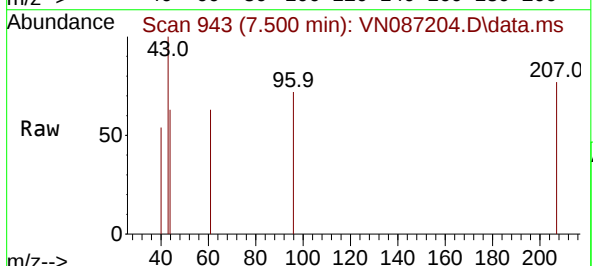
Tgt Ion: 43 Resp: 830

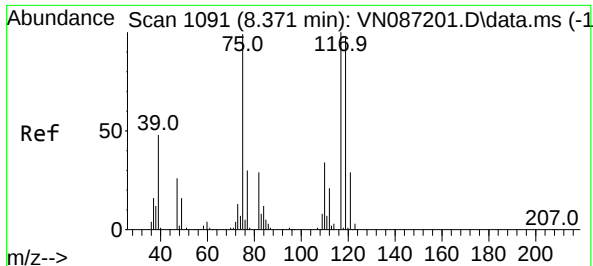
Ion Ratio Lower Upper

43 100

61 59.8 10.8 16.2#

70 0.0 8.9 13.3#

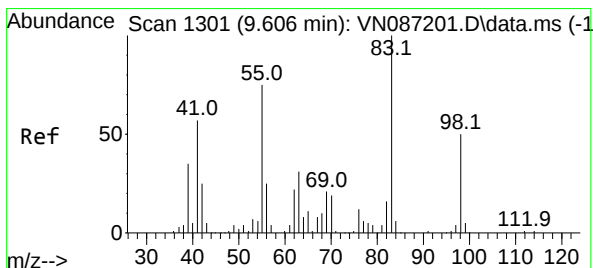
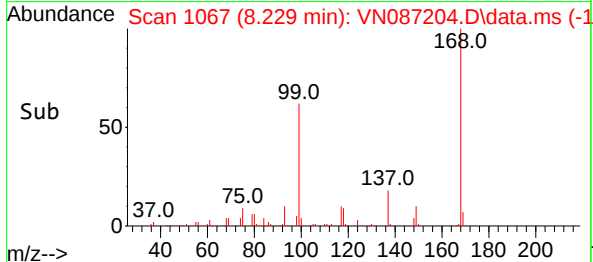
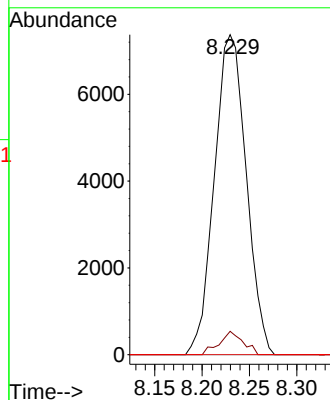
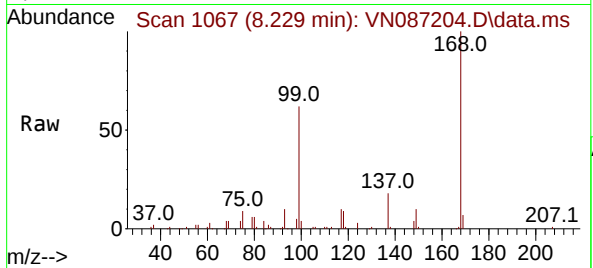




#38
Carbon Tetrachloride
Concen: 5.228 ug/l
RT: 8.229 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

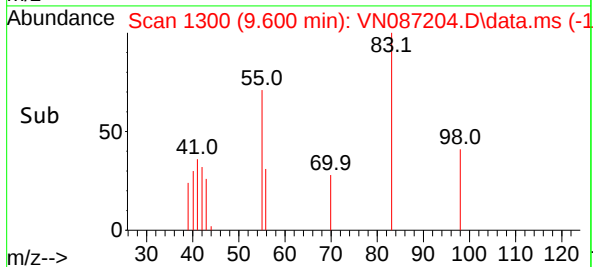
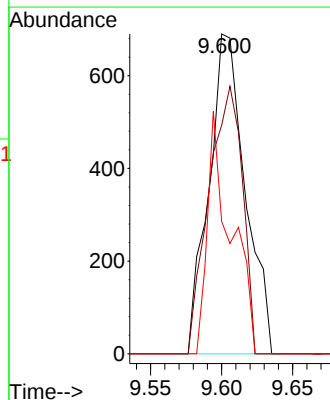
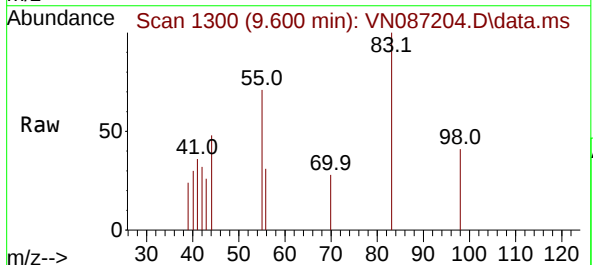
Instrument :
MSVOA_N
ClientSampleId :
IBLK

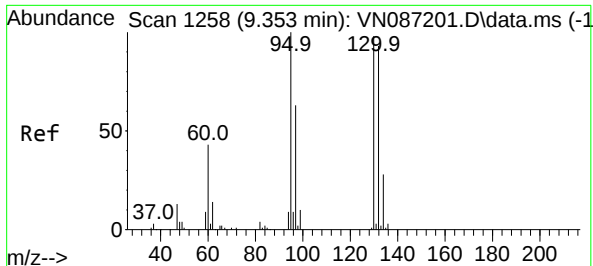
Tgt Ion:117 Resp: 17260
Ion Ratio Lower Upper
117 100
119 7.3 77.4 116.0#
121 0.0 23.2 34.8#



#39
Methylcyclohexane
Concen: 0.298 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.006 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion: 83 Resp: 1233
Ion Ratio Lower Upper
83 100
55 71.4 59.8 89.8
98 41.4 39.8 59.8

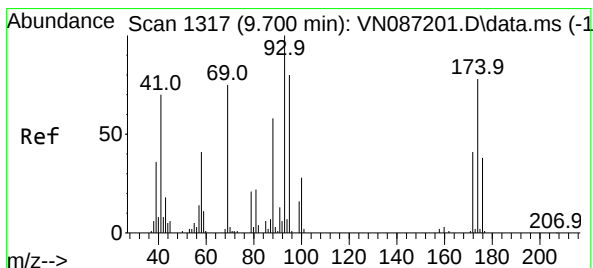
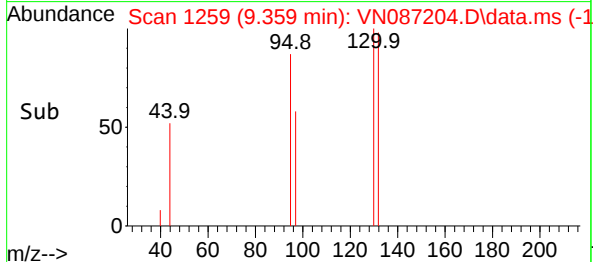
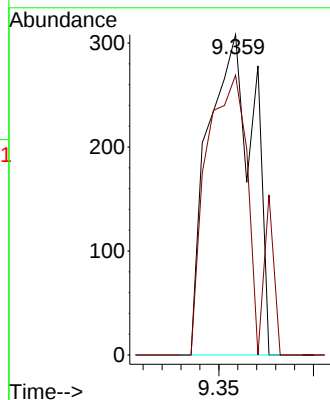
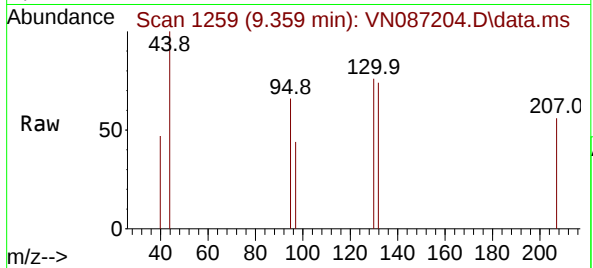




#44
 Trichloroethene
 Concen: 0.205 ug/l
 RT: 9.359 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN087204.D
 Acq: 26 Jun 2025 18:59

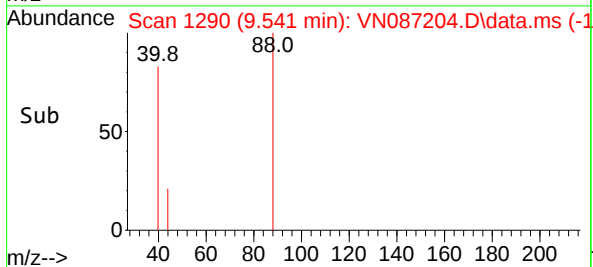
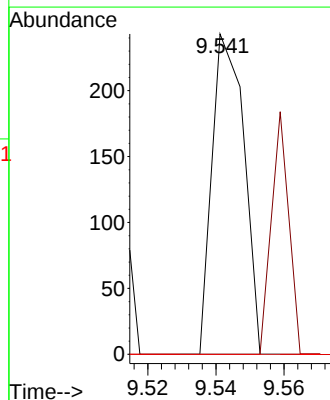
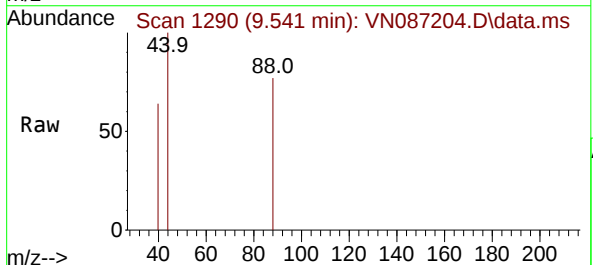
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

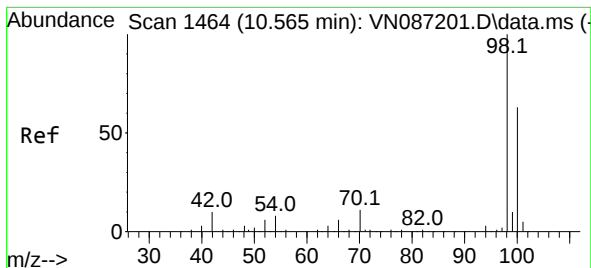
Tgt Ion:130 Resp: 514
 Ion Ratio Lower Upper
 130 100
 95 87.3 0.0 204.6



#49
 1,4-Dioxane
 Concen: 22.753 ug/l
 RT: 9.541 min Scan# 1290
 Delta R.T. -0.159 min
 Lab File: VN087204.D
 Acq: 26 Jun 2025 18:59

Tgt Ion: 88 Resp: 157
 Ion Ratio Lower Upper
 88 100
 43 41.4 0.0 0.0#
 58 0.0 59.2 88.8#

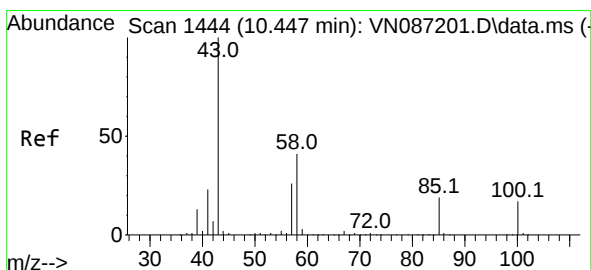
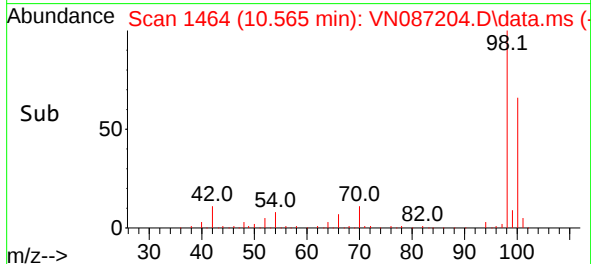
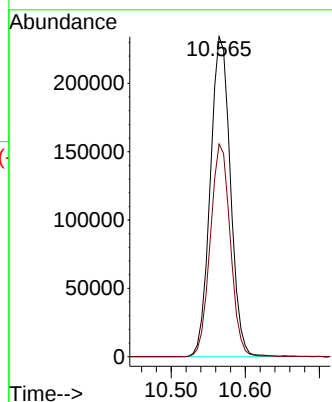
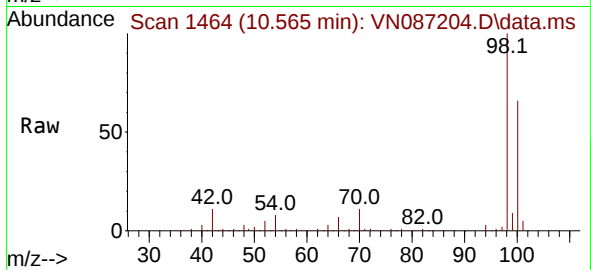




#50
Toluene-d8
Concen: 46.127 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

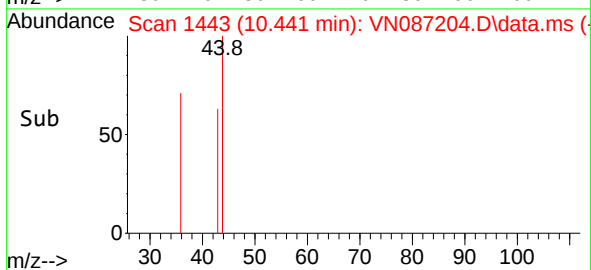
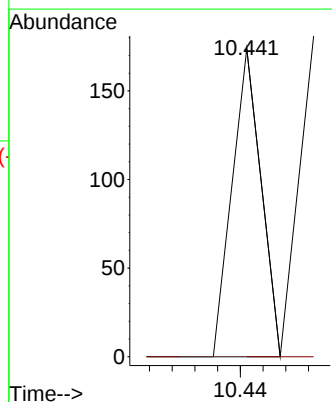
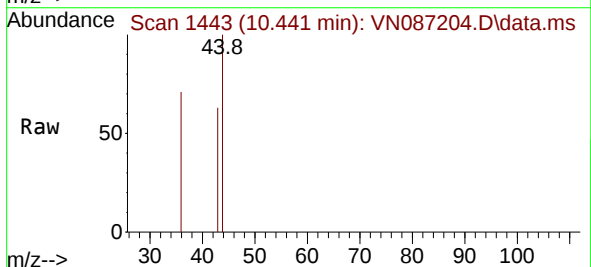
Instrument :
MSVOA_N
ClientSampleId :
IBLK

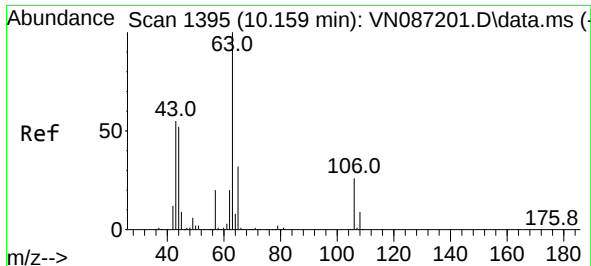
Tgt Ion: 98 Resp: 441509
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: Below Cal
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 32.6 48.8#

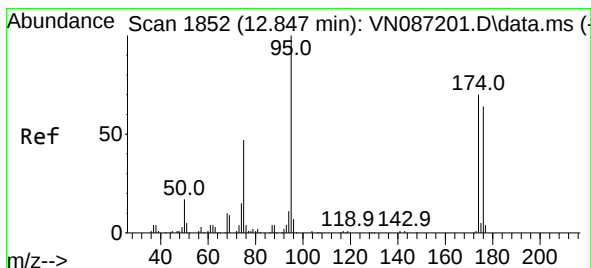
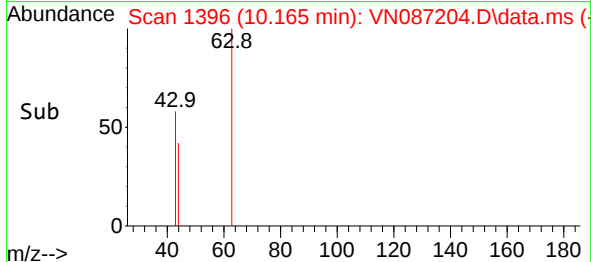
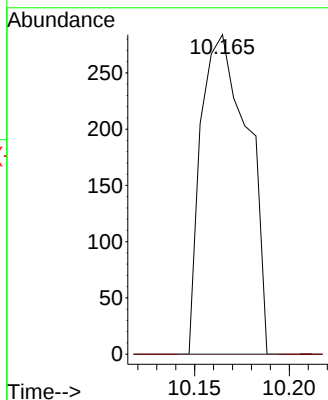
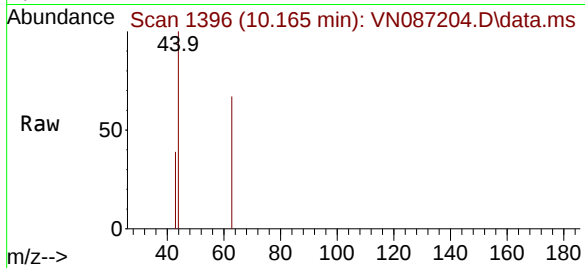




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.165 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

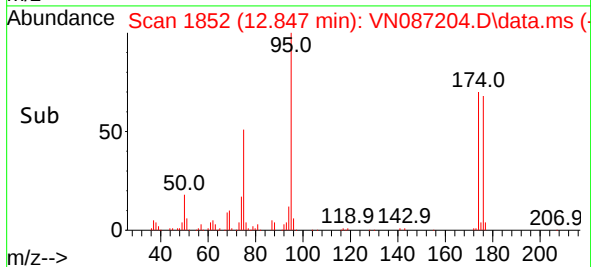
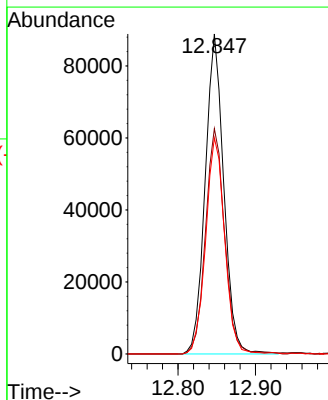
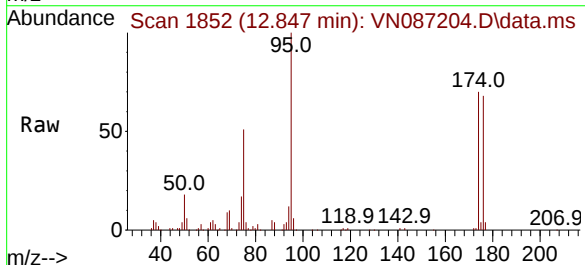
Instrument :
MSVOA_N
ClientSampleId :
IBLK

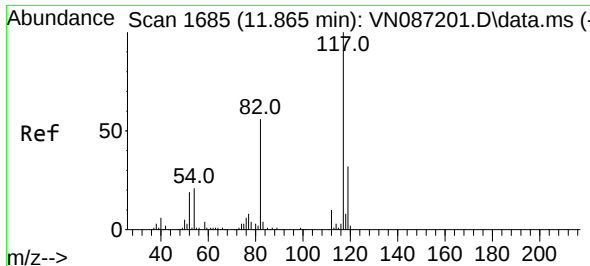
Tgt Ion: 63 Resp: 487
Ion Ratio Lower Upper
63 100
106 0.0 21.7 32.5#



#62
4-Bromofluorobenzene
Concen: 44.552 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion: 95 Resp: 147972
Ion Ratio Lower Upper
95 100
174 72.6 0.0 142.2
176 68.9 0.0 134.8

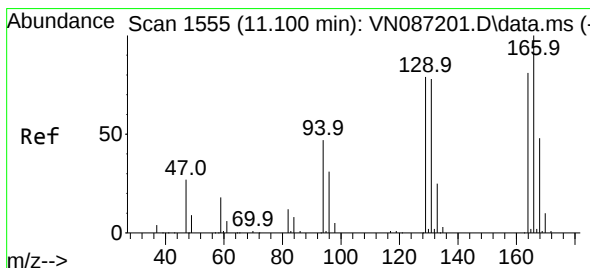
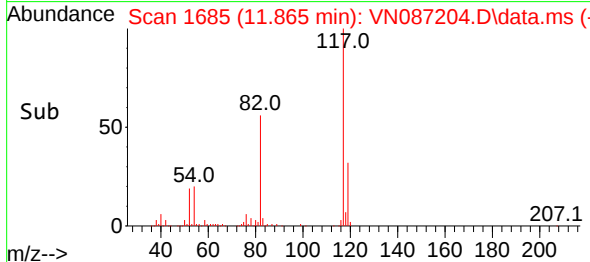
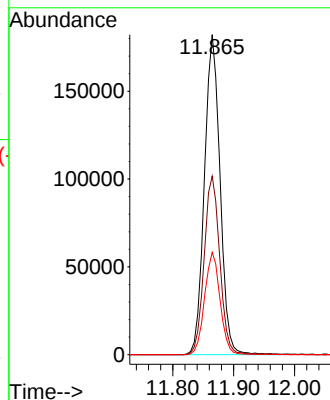
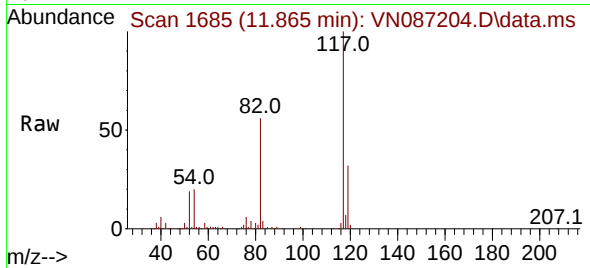




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

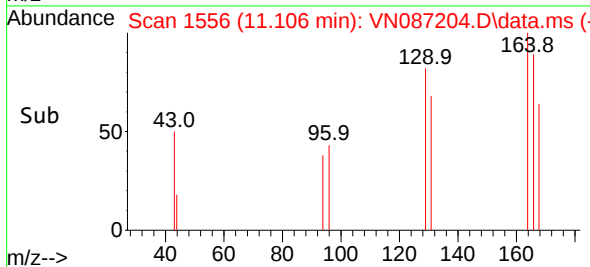
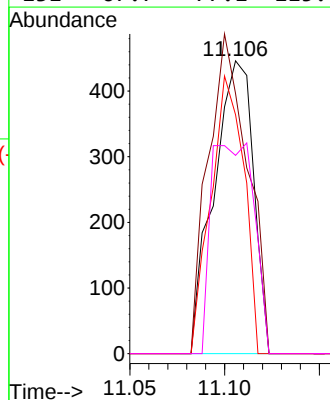
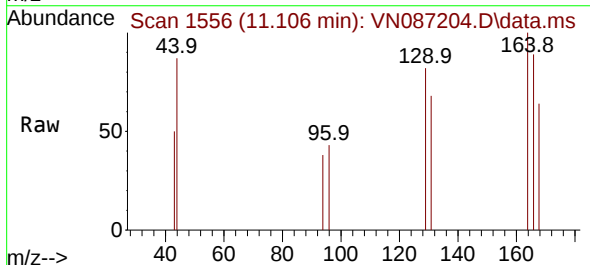
Instrument :
MSVOA_N
ClientSampleId :
IBLK

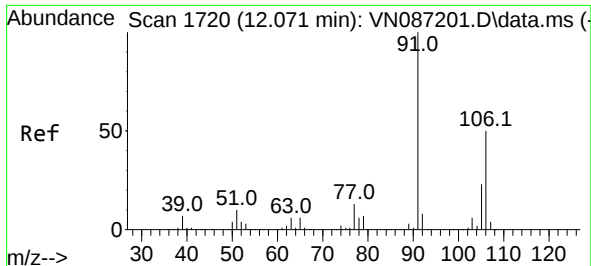
Tgt Ion:117 Resp: 325700
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.4
119 32.0 25.9 38.9



#64
Tetrachloroethene
Concen: 0.324 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion:164 Resp: 646
Ion Ratio Lower Upper
164 100
166 88.8 98.8 148.2#
129 81.6 78.3 117.5
131 67.7 77.1 115.7#

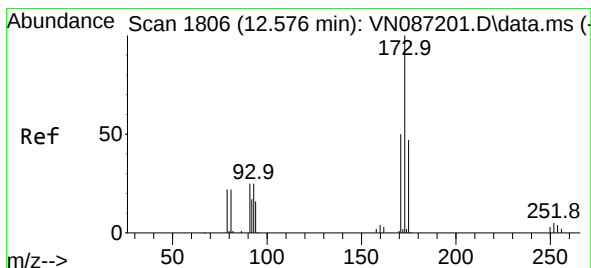
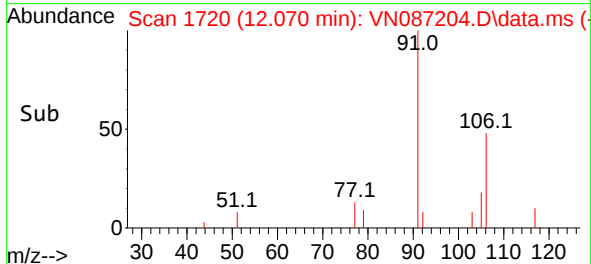
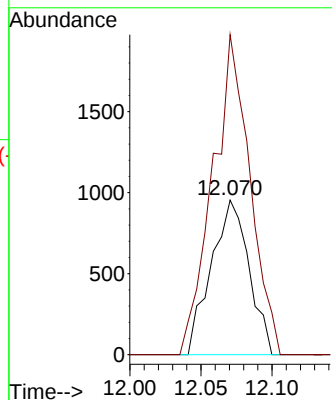
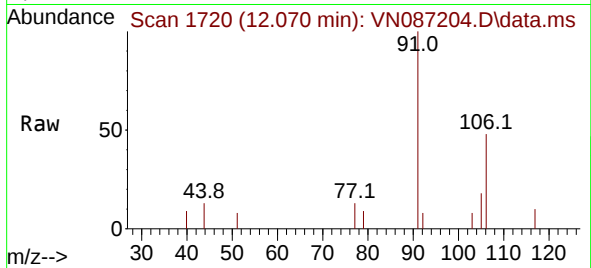




#68
m/p-Xylenes
Concen: 0.382 ug/l
RT: 12.070 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

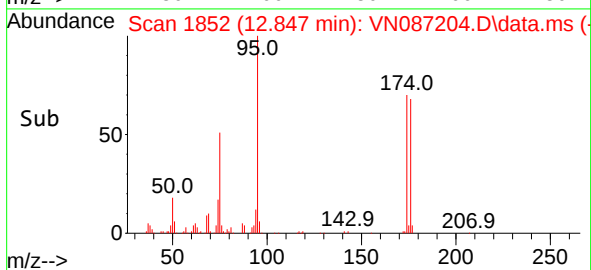
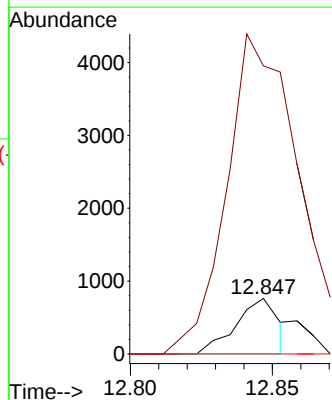
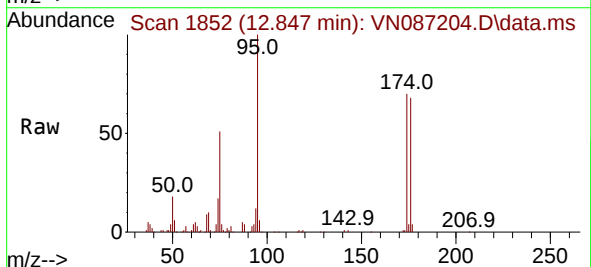
Instrument :
MSVOA_N
ClientSampleId :
IBLK

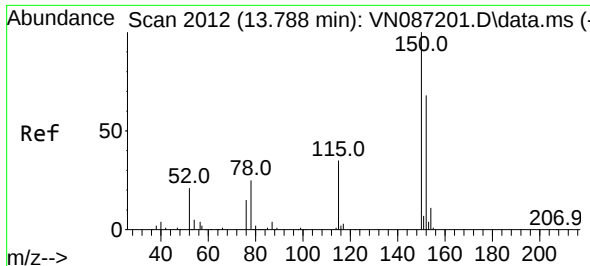
Tgt Ion:106 Resp: 1762
Ion Ratio Lower Upper
106 100
91 205.5 161.0 241.6



#71
Bromoform
Concen: 0.465 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion:173 Resp: 796
Ion Ratio Lower Upper
173 100
175 734.4 23.8 71.2#
254 0.0 0.0 0.0

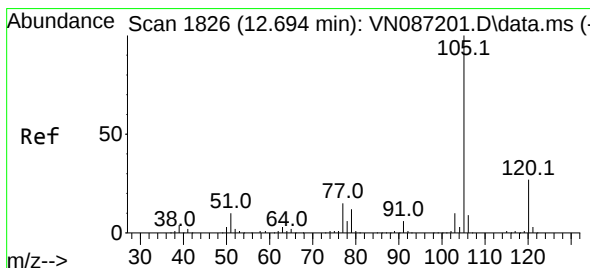
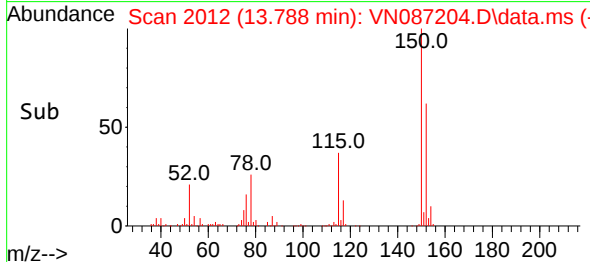
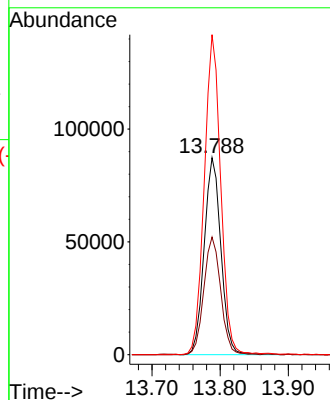
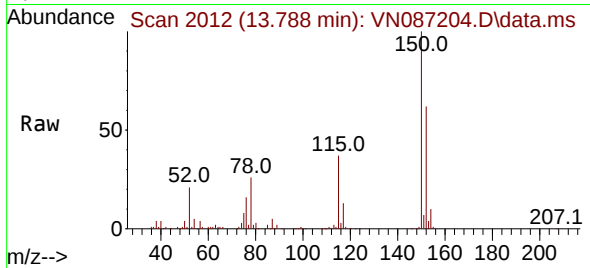




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

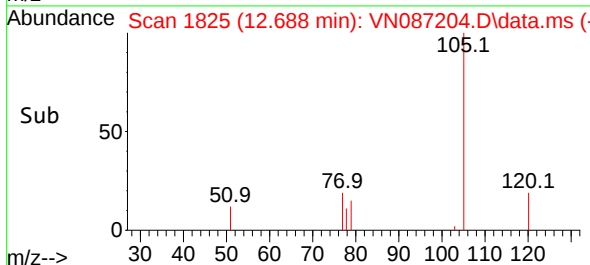
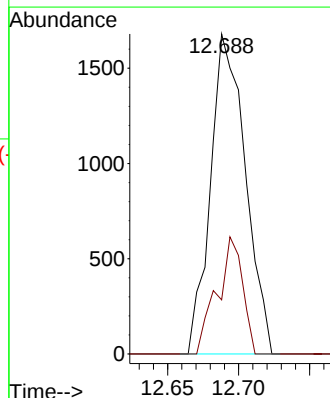
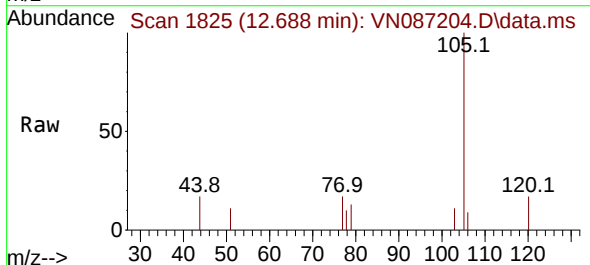
Instrument :
MSVOA_N
ClientSampleId :
IBLK

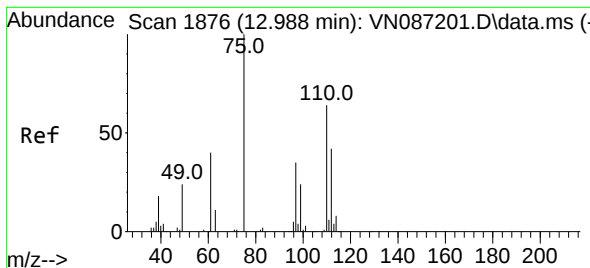
Tgt Ion:152 Resp: 148669
Ion Ratio Lower Upper
152 100
115 60.4 30.6 91.8
150 160.3 0.0 347.8



#73
Isopropylbenzene
Concen: 0.285 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion:105 Resp: 2869
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2





#76

1,2,3-Trichloropropane

Concen: 22.341 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

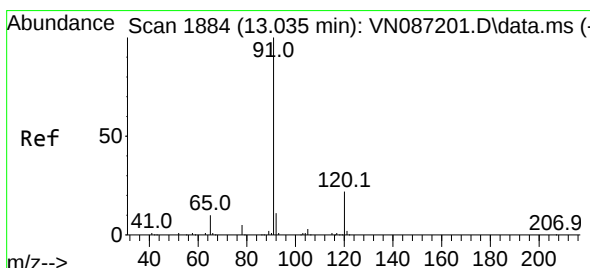
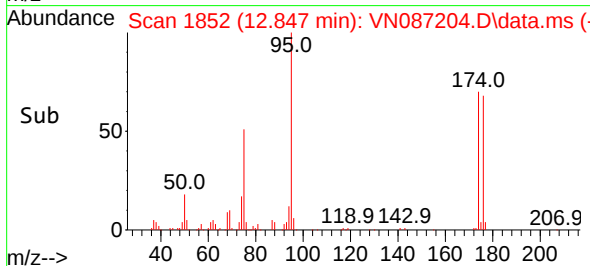
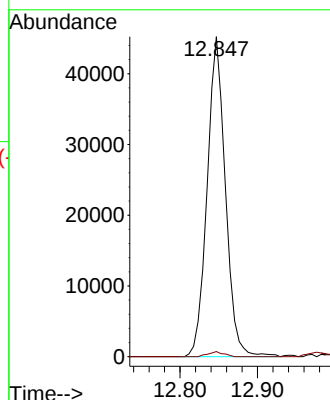
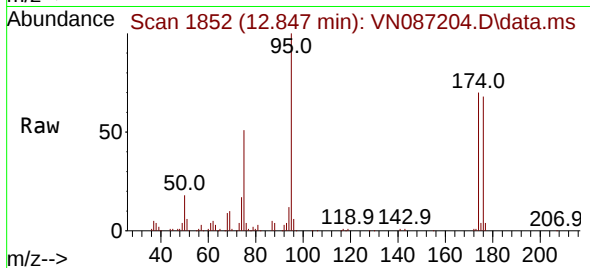
IBLK

Tgt Ion: 75 Resp: 74104

Ion Ratio Lower Upper

75 100

77 1.3 85.5 256.6#



#78

n-propylbenzene

Concen: 0.417 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VN087204.D

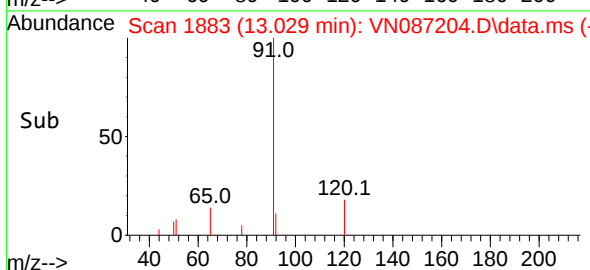
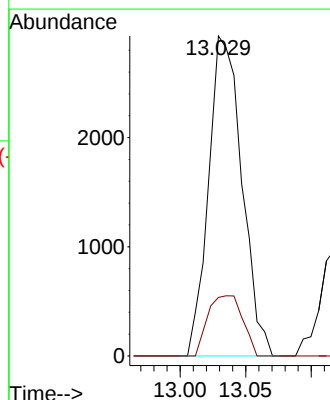
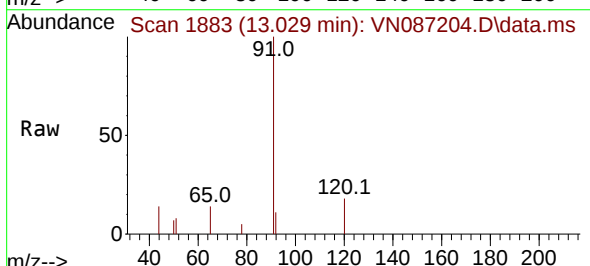
Acq: 26 Jun 2025 18:59

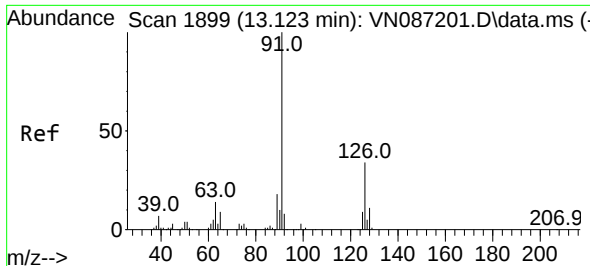
Tgt Ion: 91 Resp: 5173

Ion Ratio Lower Upper

91 100

120 19.6 11.5 34.4

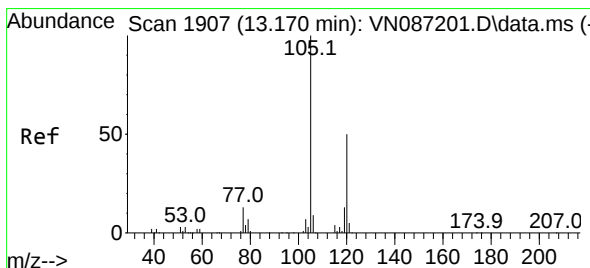
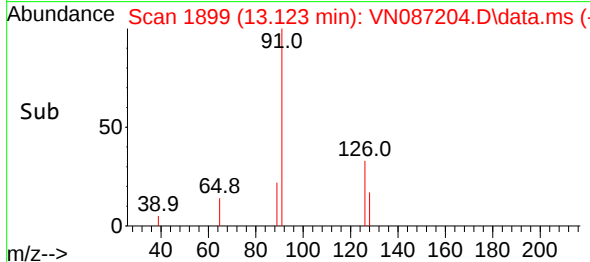
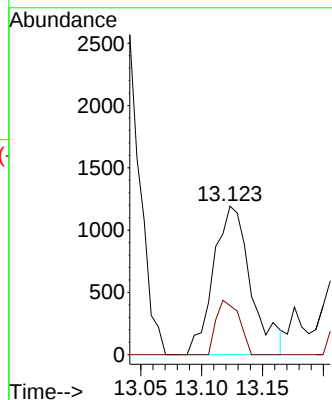
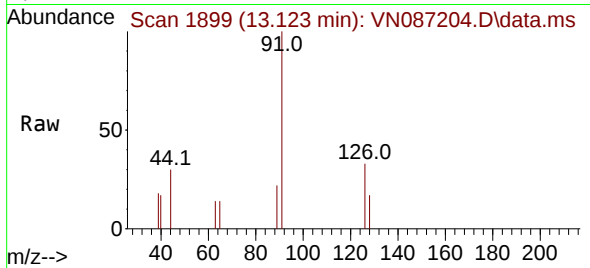




#79
2-Chlorotoluene
Concen: 0.330 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

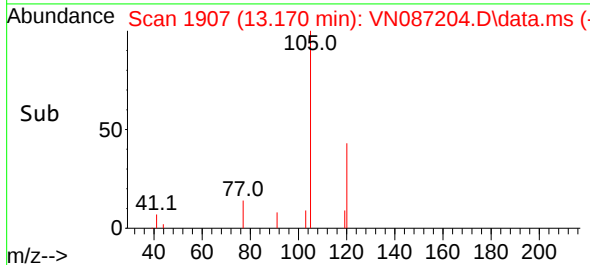
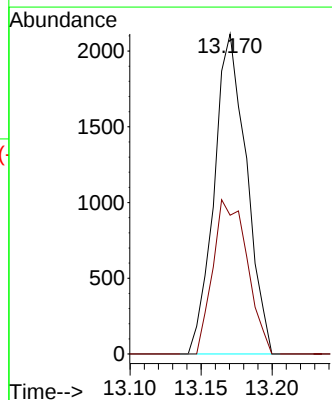
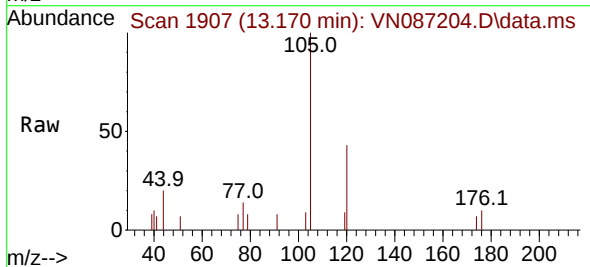
Instrument :
MSVOA_N
ClientSampleId :
IBLK

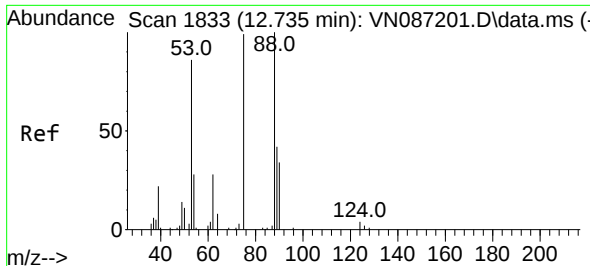
Tgt Ion: 91 Resp: 2546
Ion Ratio Lower Upper
91 100
126 22.6 16.4 49.4



#80
1,3,5-Trimethylbenzene
Concen: 0.402 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion: 105 Resp: 3342
Ion Ratio Lower Upper
105 100
120 51.0 25.1 75.3

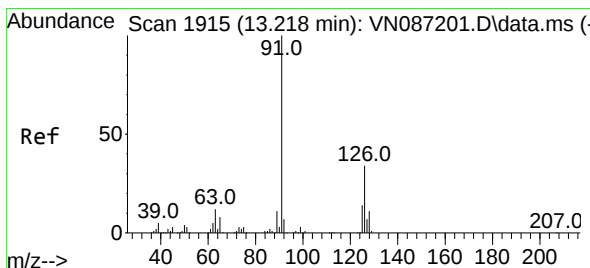
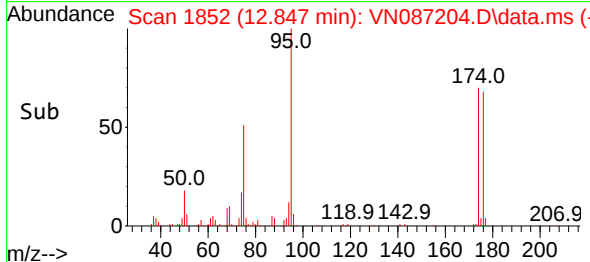
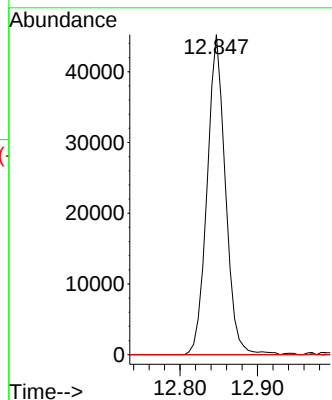
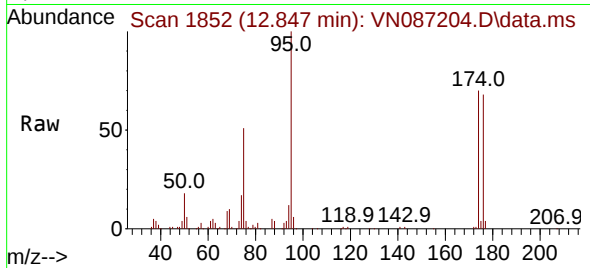




#81
trans-1,4-Dichloro-2-butene
Concen: 50.141 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

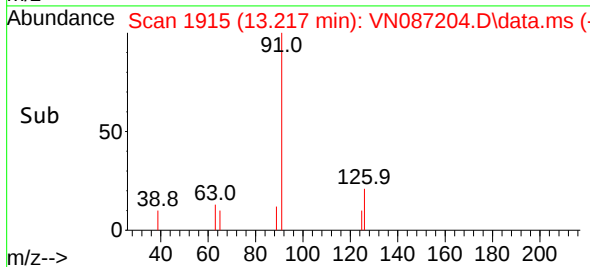
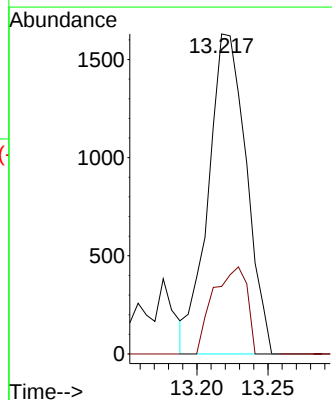
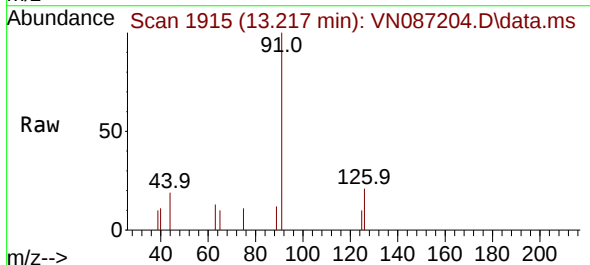
Instrument :
MSVOA_N
ClientSampleId :
IBLK

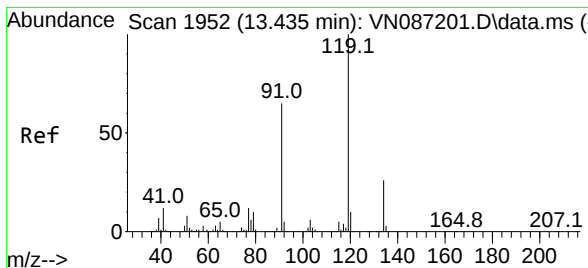
Tgt Ion: 75 Resp: 74104
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.0#
89 0.0 37.9 56.9#



#82
4-Chlorotoluene
Concen: 0.395 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion: 91 Resp: 3036
Ion Ratio Lower Upper
91 100
126 24.1 16.7 50.1





#83

tert-Butylbenzene

Concen: 0.517 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

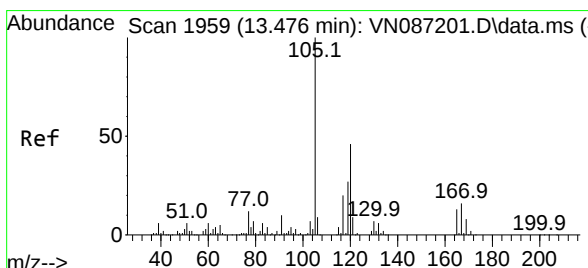
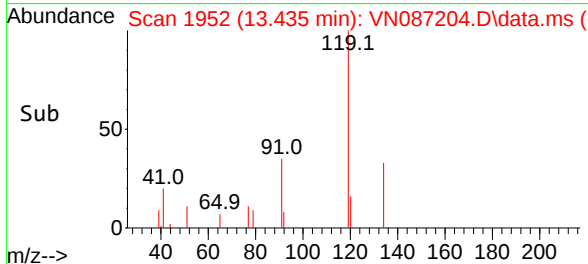
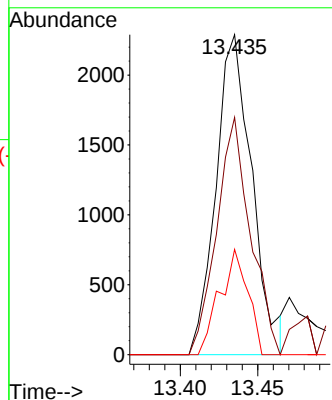
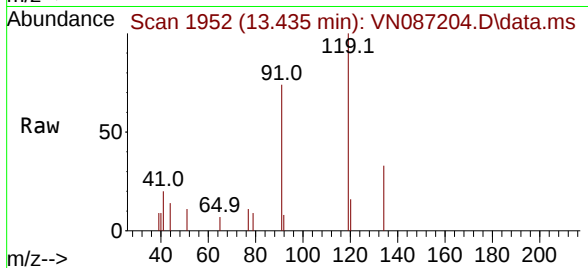
Tgt Ion:119 Resp: 3689

Ion Ratio Lower Upper

119 100

91 69.7 32.9 98.7

134 25.6 13.5 40.4



#84

1,2,4-Trimethylbenzene

Concen: 0.398 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN087204.D

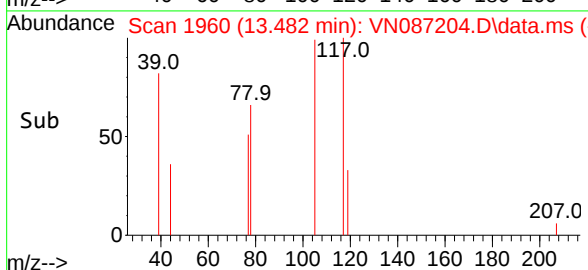
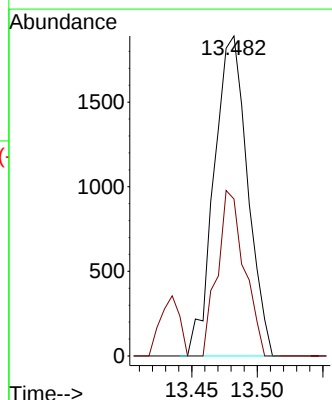
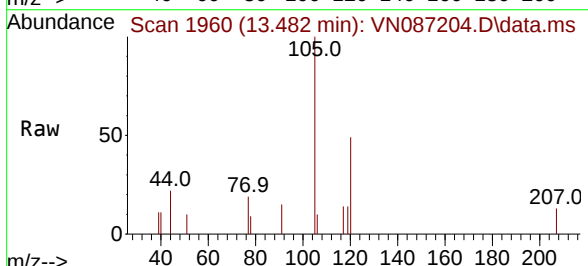
Acq: 26 Jun 2025 18:59

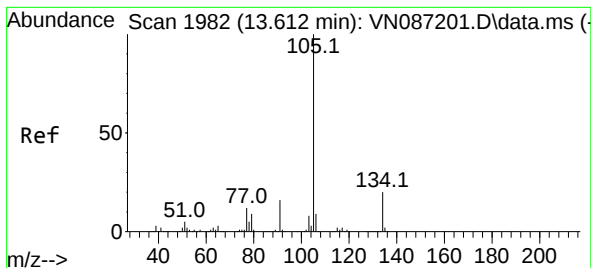
Tgt Ion:105 Resp: 3353

Ion Ratio Lower Upper

105 100

120 41.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 0.666 ug/l

RT: 13.617 min Scan# 1982

Delta R.T. 0.006 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

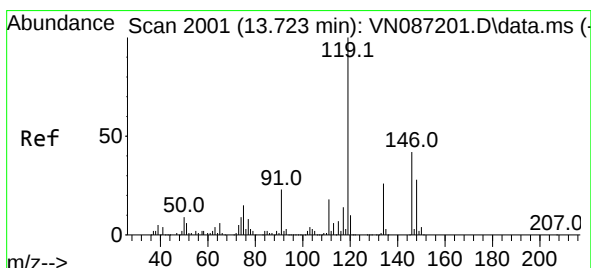
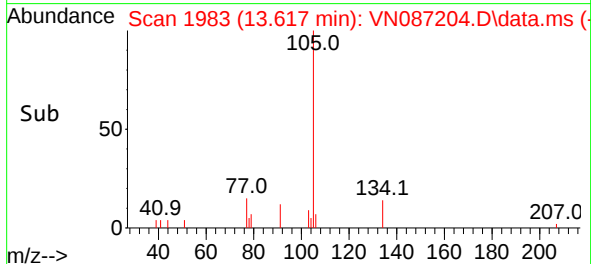
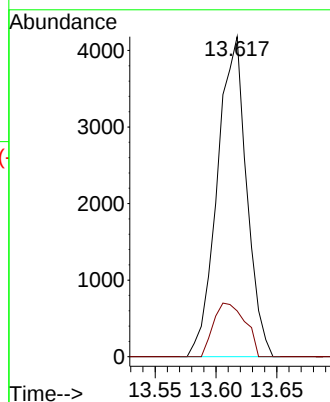
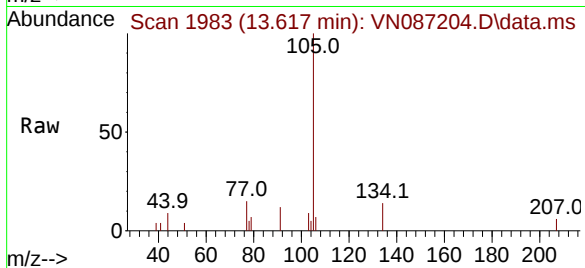
IBLK

Tgt Ion:105 Resp: 7002

Ion Ratio Lower Upper

105 100

134 18.1 9.9 29.7



#86

p-Isopropyltoluene

Concen: 0.626 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

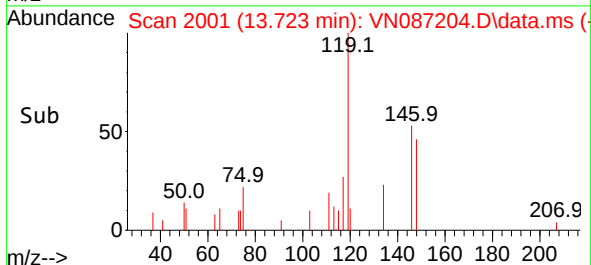
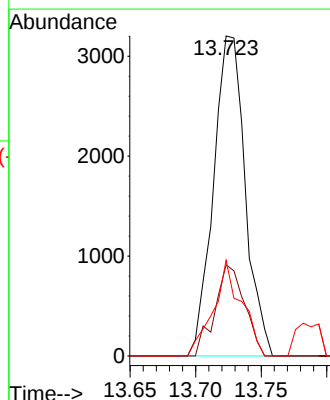
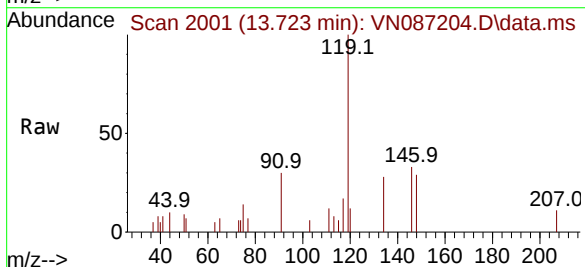
Tgt Ion:119 Resp: 5395

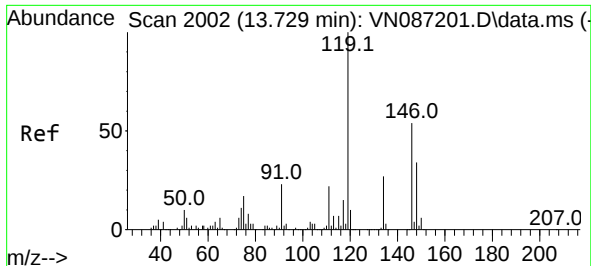
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 26.5 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 0.447 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

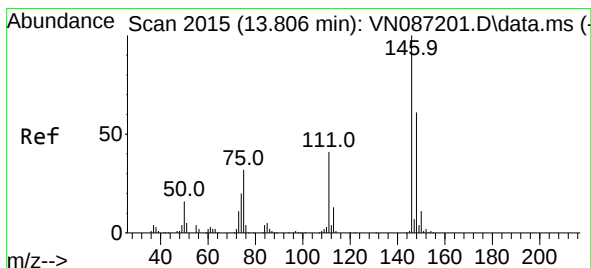
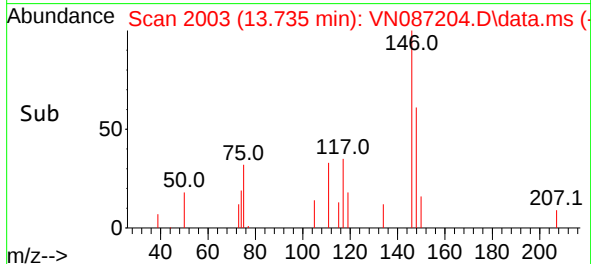
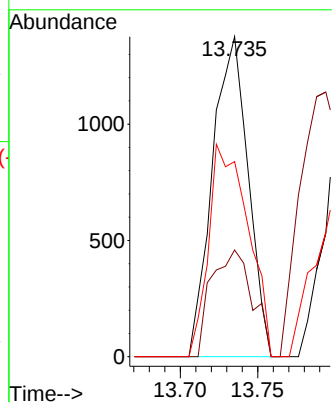
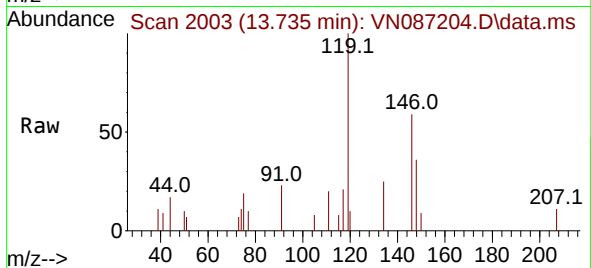
Tgt Ion:146 Resp: 2201

Ion Ratio Lower Upper

146 100

111 38.0 21.1 63.4

148 73.6 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 0.435 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.071 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

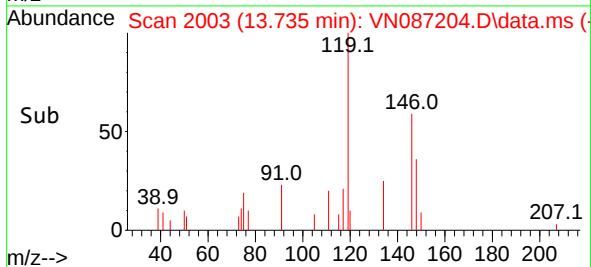
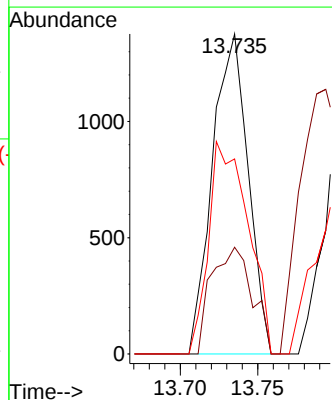
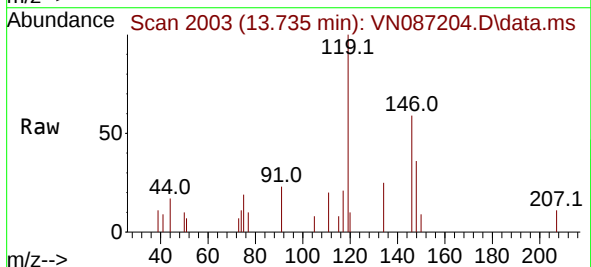
Tgt Ion:146 Resp: 2201

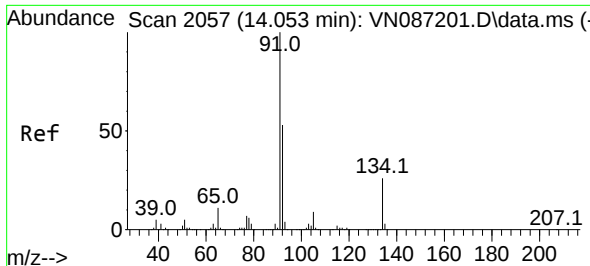
Ion Ratio Lower Upper

146 100

111 38.0 19.9 59.6

148 73.6 31.4 94.0

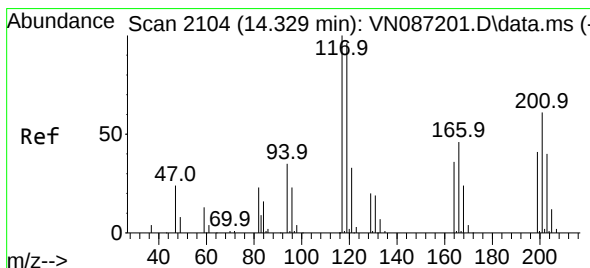
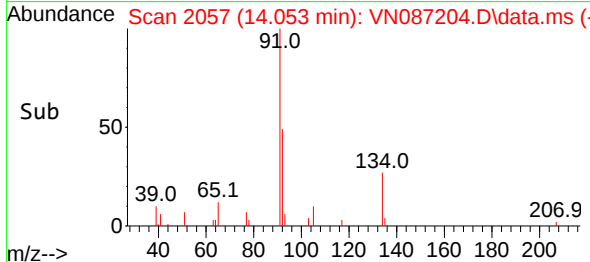
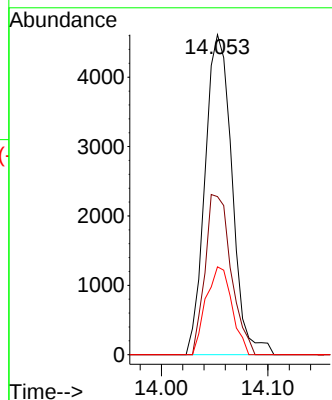
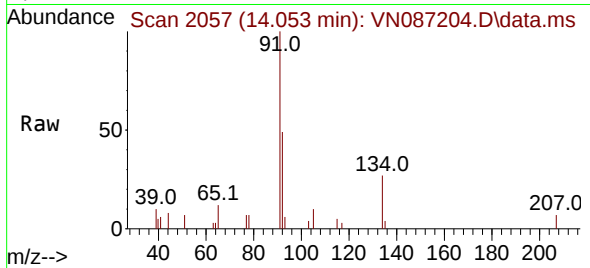




#89
n-Butylbenzene
Concen: 1.013 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

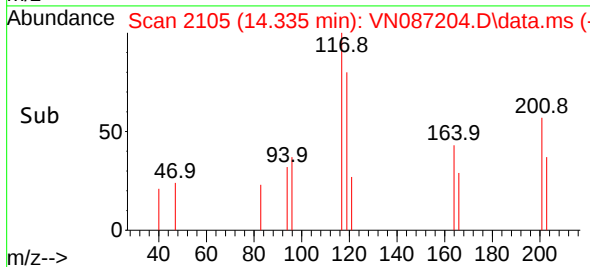
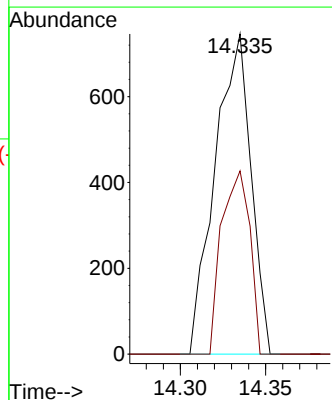
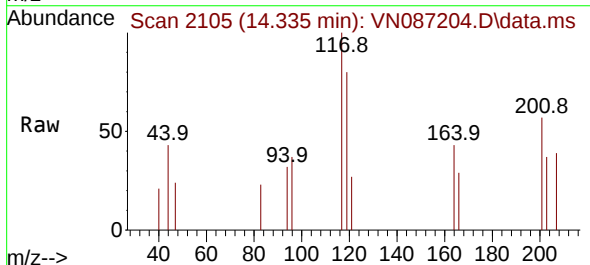
Instrument :
MSVOA_N
ClientSampleId :
IBLK

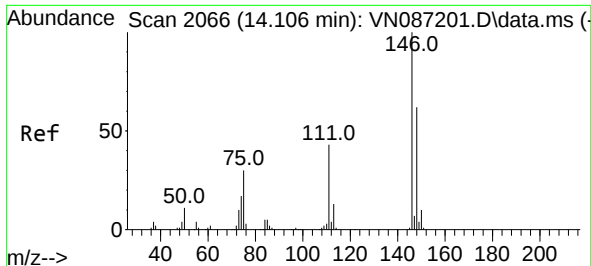
Tgt Ion: 91	Resp: 8113
Ion Ratio	Lower Upper
91 100	
92 48.2	26.9 80.7
134 26.3	12.8 38.4



#90
Hexachloroethane
Concen: 0.656 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion:117	Resp:	1094	
Ion	Ratio	Lower	Upper
117	100		
201	44.9	31.8	95.3





#91

1,2-Dichlorobenzene

Concen: 0.356 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK

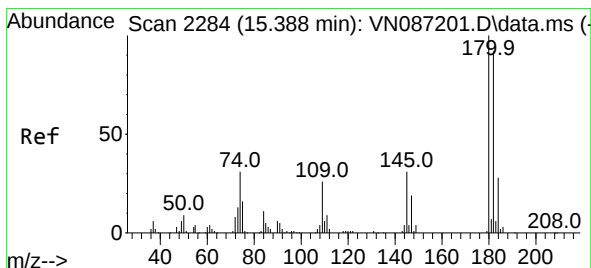
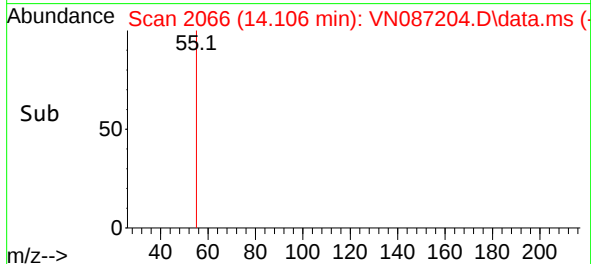
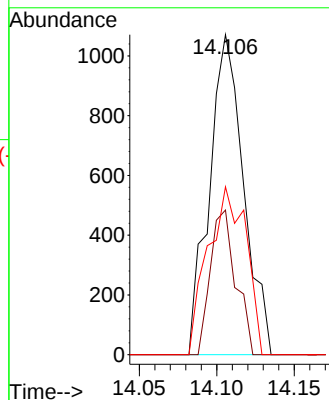
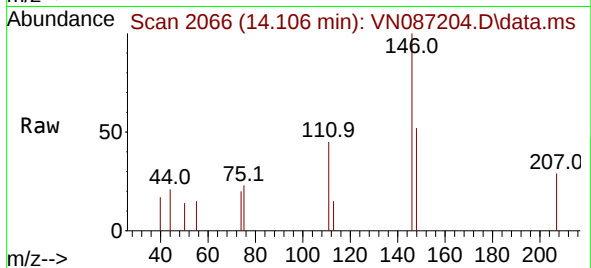
Tgt Ion:146 Resp: 1648

Ion Ratio Lower Upper

146 100

111 33.6 21.4 64.2

148 58.3 31.5 94.5



#93

1,2,4-Trichlorobenzene

Concen: 1.435 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

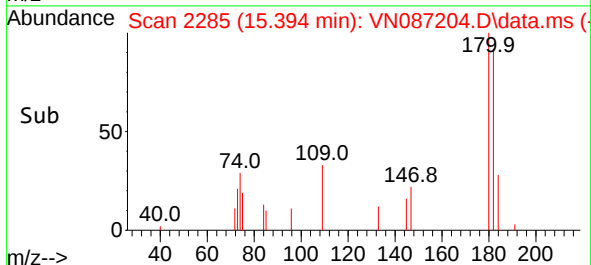
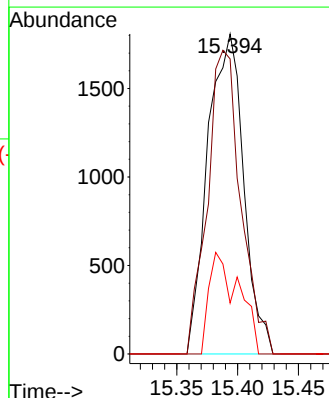
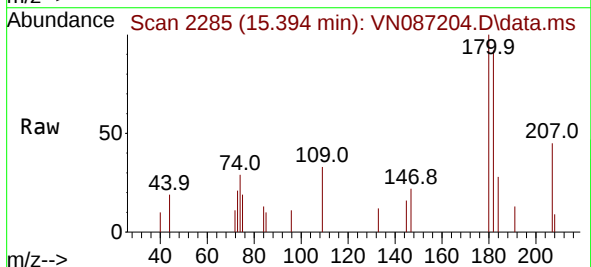
Tgt Ion:180 Resp: 3704

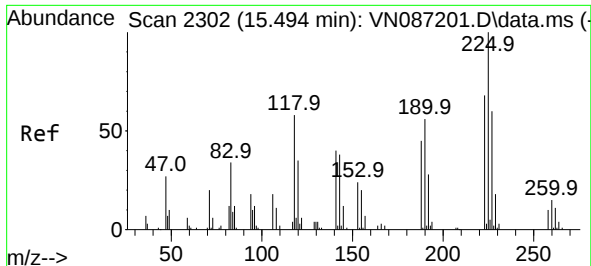
Ion Ratio Lower Upper

180 100

182 88.7 47.1 141.3

145 26.2 16.2 48.5

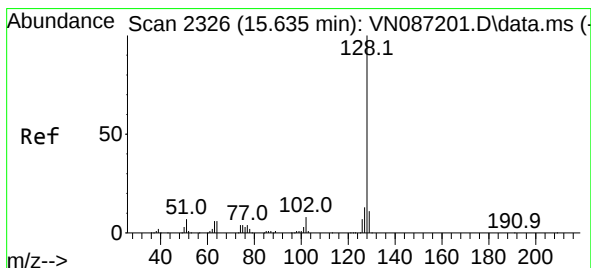
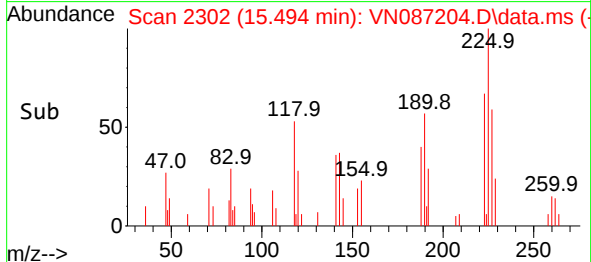
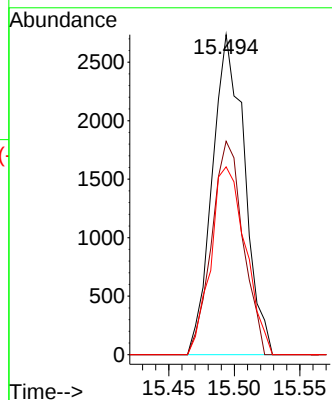
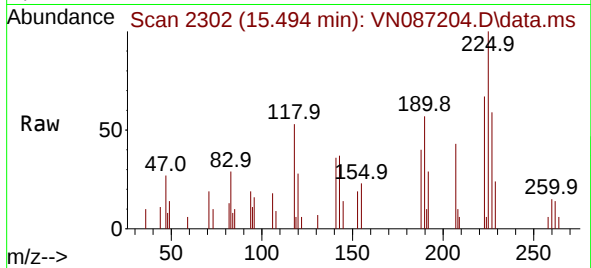




#94
Hexachlorobutadiene
Concen: 5.741 ug/l
RT: 15.494 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

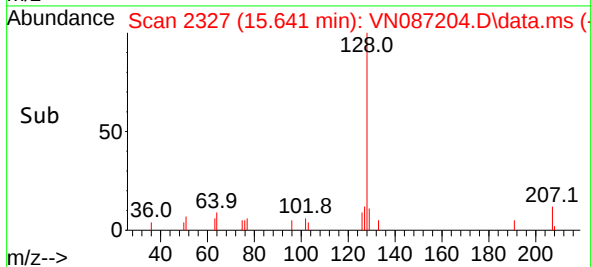
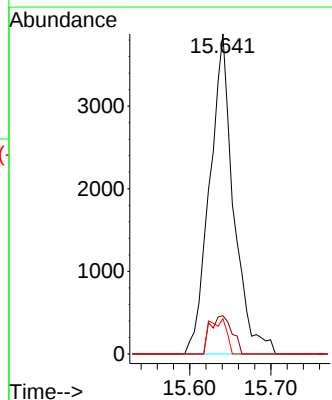
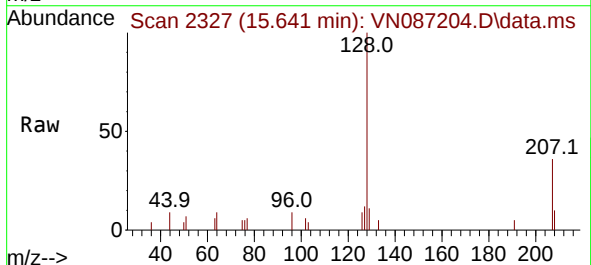
Instrument :
MSVOA_N
ClientSampleId :
IBLK

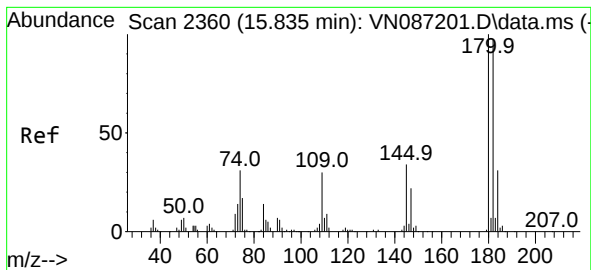
Tgt Ion:	225	Resp:	4674
Ion Ratio	Lower	Upper	
225	100		
223	65.1	32.9	98.6
227	63.4	32.0	96.2



#95
Naphthalene
Concen: 0.811 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN087204.D
Acq: 26 Jun 2025 18:59

Tgt Ion:	128	Resp:	7942
Ion Ratio	Lower	Upper	
128	100		
127	10.9	10.1	15.1
129	7.9	8.6	13.0#





#96

1,2,3-Trichlorobenzene

Concen: 1.407 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN087204.D

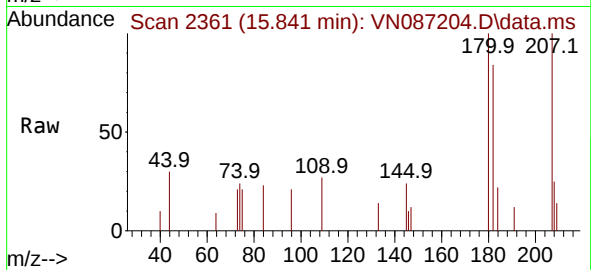
Acq: 26 Jun 2025 18:59

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 3584

Ion Ratio Lower Upper

180 100

182 92.5 47.5 142.6

145 32.9 16.9 50.7

