

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086723.D
 Acq On : 21 May 2025 11:44
 Operator : JC\MD
 Sample : VN0521MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBL01

Quant Time: May 22 01:19:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

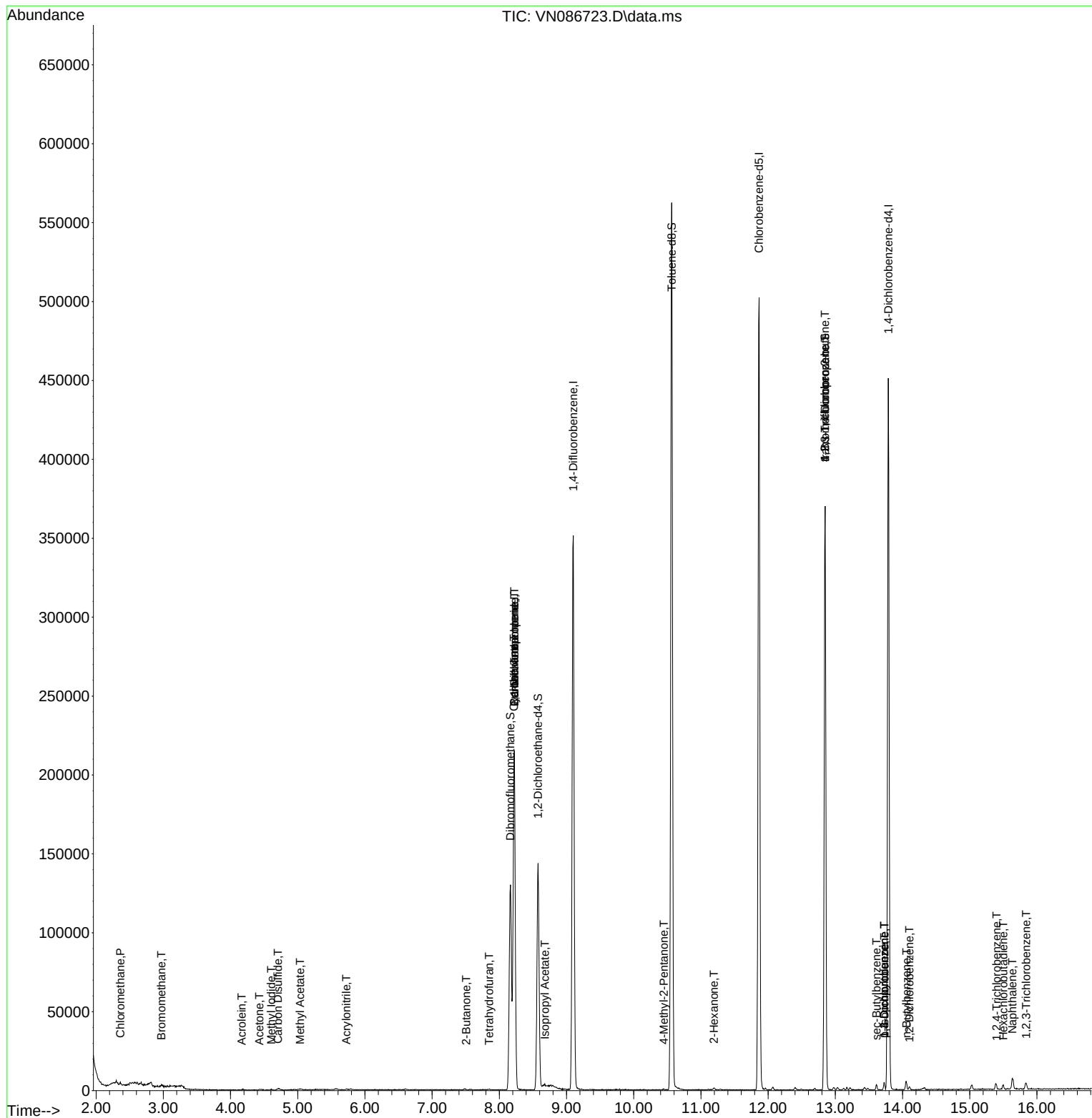
Internal Standards						
1) Pentafluorobenzene	8.224	168	158233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114876	52.539	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.080%			
35) Dibromofluoromethane	8.165	113	99727	53.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.180%			
50) Toluene-d8	10.565	98	404936	52.016	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.040%			
62) 4-Bromofluorobenzene	12.847	95	141014	51.300	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.600%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	1275	0.493	ug/l	93
5) Bromomethane	2.971	94	642	0.480	ug/l #	74
10) Methyl Iodide	4.606	142	602	0.291	ug/l #	85
13) Acrolein	4.165	56	232	0.545	ug/l	88
15) Acrylonitrile	5.724	53	572	0.580	ug/l #	43
16) Acetone	4.430	43	317	0.388	ug/l #	47
17) Carbon Disulfide	4.706	76	2356	0.482	ug/l #	75
18) Methyl Acetate	5.036	43	1110	0.485	ug/l #	49
25) 2-Butanone	7.506	43	546	0.432	ug/l #	46
29) Tetrahydrofuran	7.847	42	460	0.558	ug/l #	41
31) Cyclohexane	8.218	56	3697	1.127	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12956	4.676	ug/l #	48
38) Carbon Tetrachloride	8.224	117	16257	5.955	ug/l #	15
43) Isopropyl Acetate	8.677	43	2626	0.468	ug/l #	54
51) 4-Methyl-2-Pentanone	10.447	43	694	0.245	ug/l #	33
59) 2-Hexanone	11.194	43	1230	0.595	ug/l	84
76) 1,2,3-Trichloropropane	12.847	75	70206	24.559	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70206	61.979	ug/l #	15
85) sec-Butylbenzene	13.612	105	2968	0.325	ug/l	93
86) p-Isopropyltoluene	13.729	119	2199	0.293	ug/l	92
87) 1,3-Dichlorobenzene	13.729	146	1047	0.246	ug/l	81
88) 1,4-Dichlorobenzene	13.729	146	1047	0.248	ug/l	81
89) n-Butylbenzene	14.059	91	4058	0.653	ug/l	93
91) 1,2-Dichlorobenzene	14.100	146	1109	0.274	ug/l	86
93) 1,2,4-Trichlorobenzene	15.400	180	1794	1.051	ug/l	84
94) Hexachlorobutadiene	15.500	225	752	1.062	ug/l	76
95) Naphthalene	15.635	128	8291	1.399	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.841	180	2171	1.298	ug/l	92

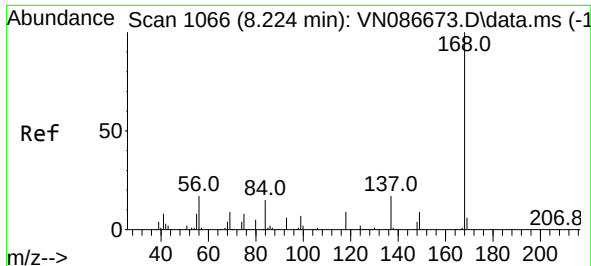
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
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Quant Title : SW846 8260
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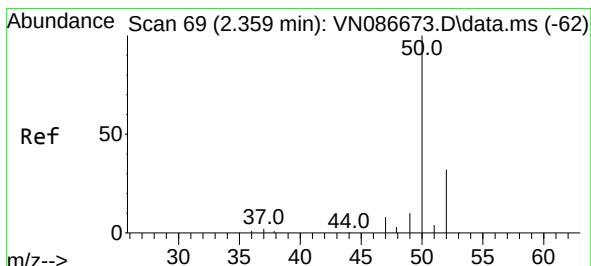
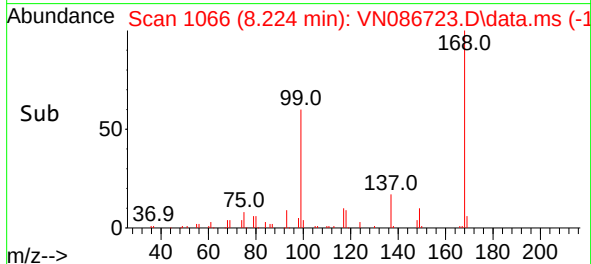
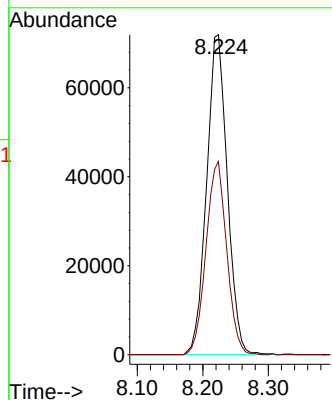
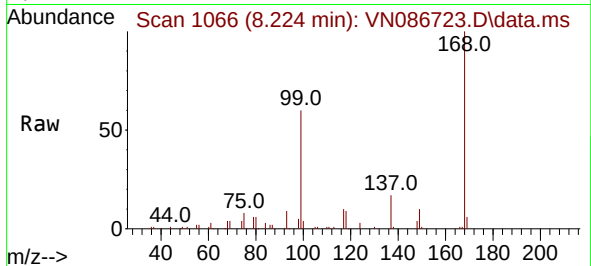




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

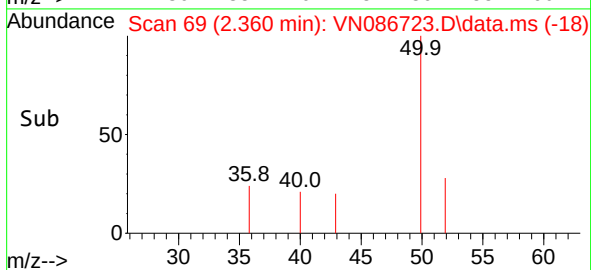
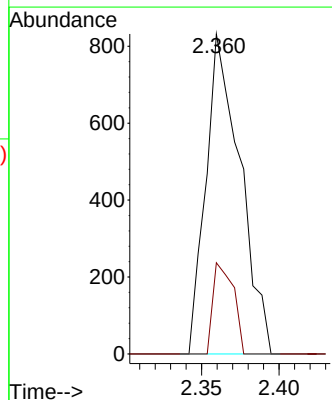
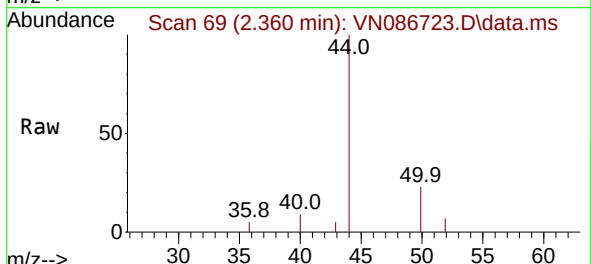
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

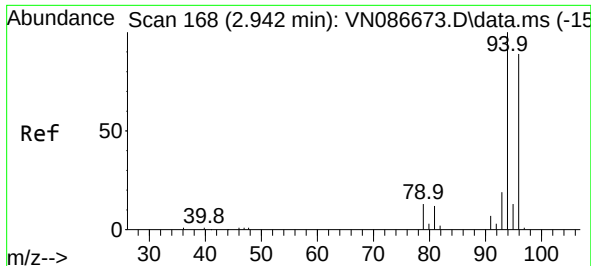
Tgt Ion:168 Resp: 158233
Ion Ratio Lower Upper
168 100
99 60.4 47.0 70.4



#3
Chloromethane
Concen: 0.493 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion: 50 Resp: 1275
Ion Ratio Lower Upper
50 100
52 28.5 25.9 38.9

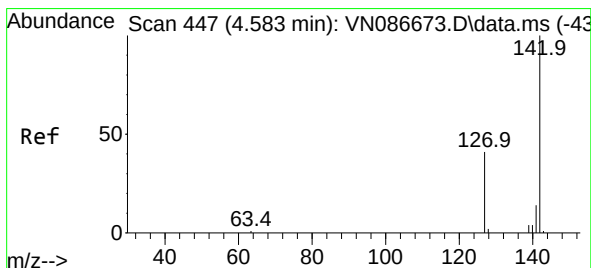
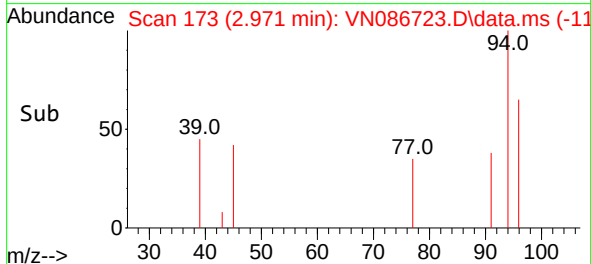
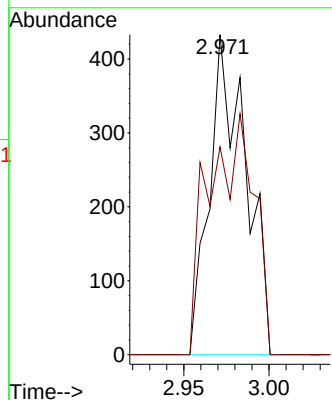
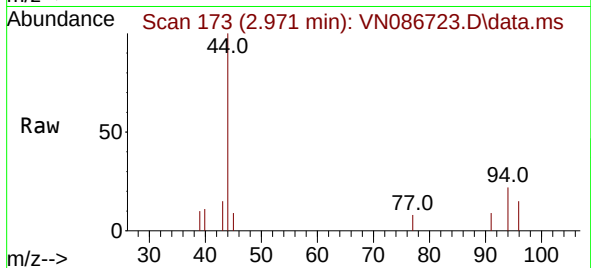




#5
Bromomethane
Concen: 0.480 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

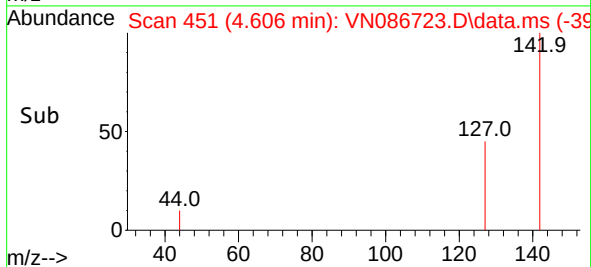
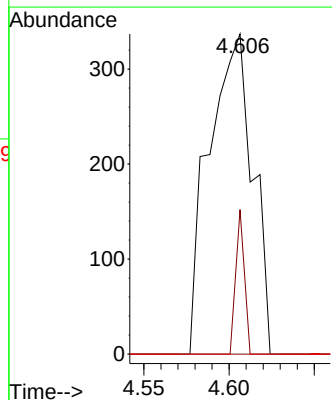
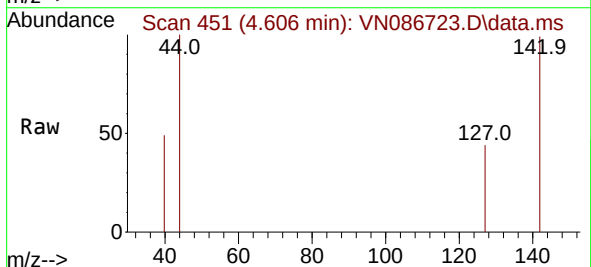
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

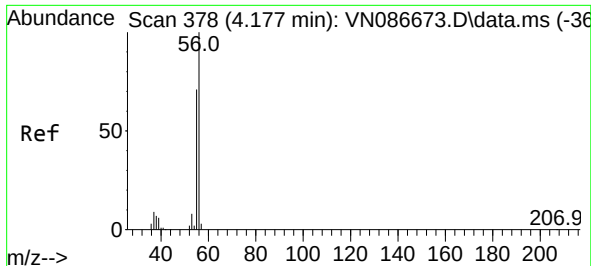
Tgt Ion: 94 Resp: 642
Ion Ratio Lower Upper
94 100
96 64.9 71.2 106.8#



#10
Methyl Iodide
Concen: 0.291 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.024 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion: 142 Resp: 602
Ion Ratio Lower Upper
142 100
127 45.1 32.4 48.6
141 0.0 11.4 17.2#

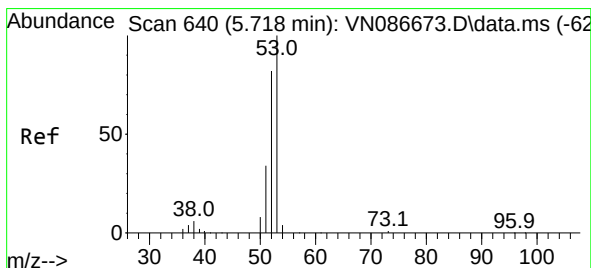
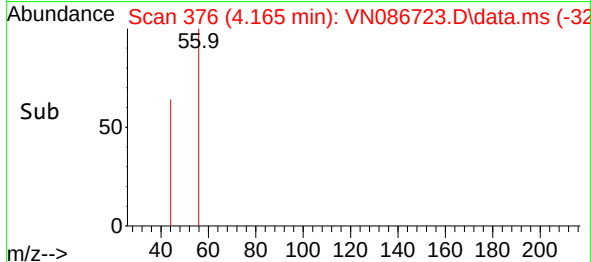
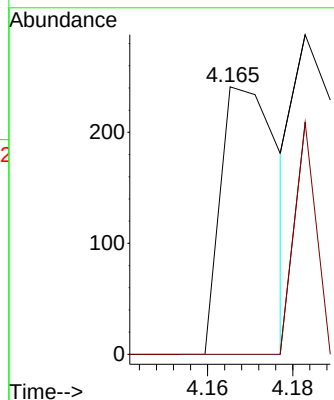
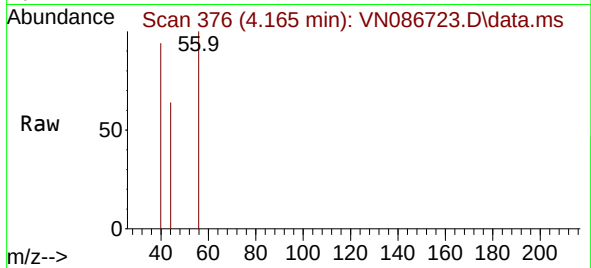




#13
Acrolein
Concen: 0.545 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

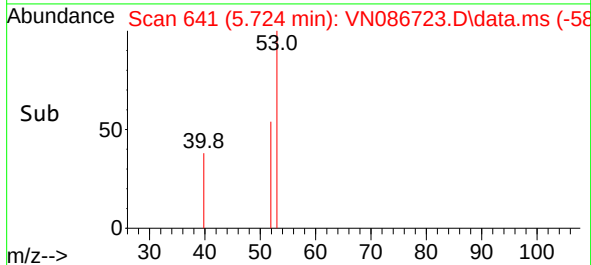
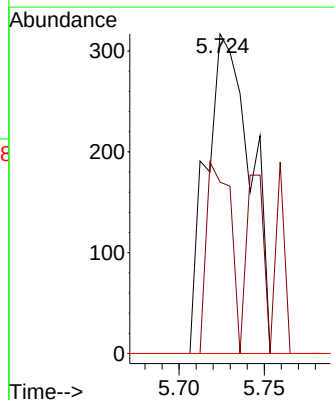
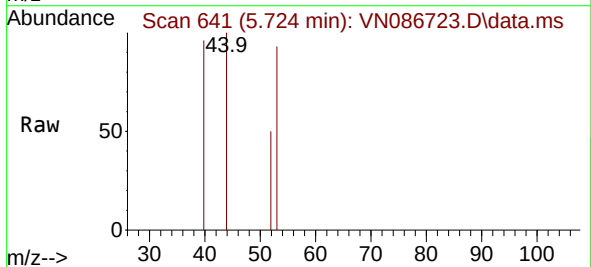
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

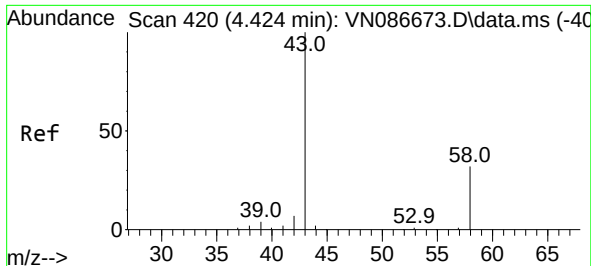
Tgt Ion: 56 Resp: 232
Ion Ratio Lower Upper
56 100
55 59.9 55.7 83.5



#15
Acrylonitrile
Concen: 0.580 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion: 53 Resp: 572
Ion Ratio Lower Upper
53 100
52 32.5 65.4 98.2#
51 0.0 27.9 41.9#

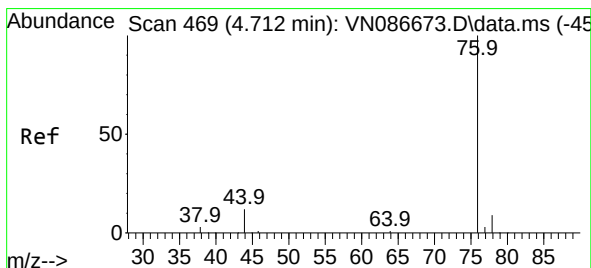
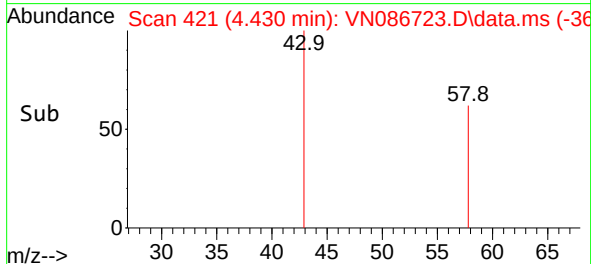
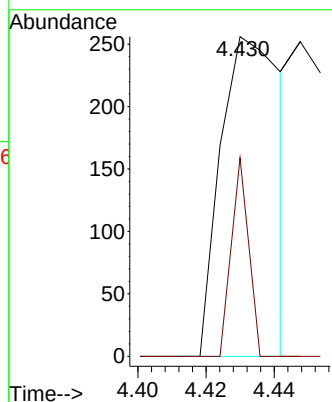
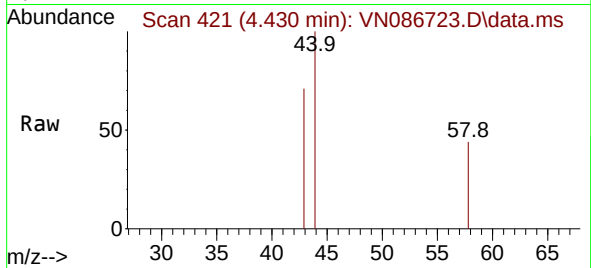




#16
Acetone
Concen: 0.388 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

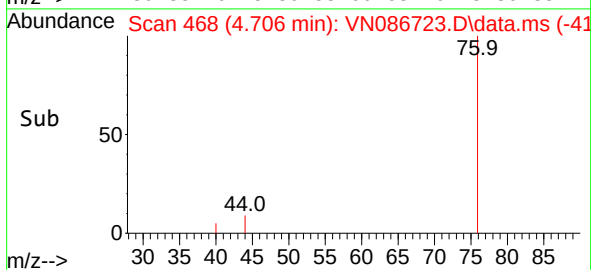
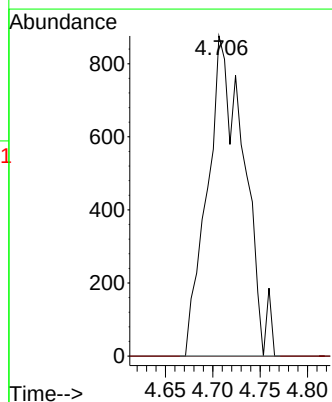
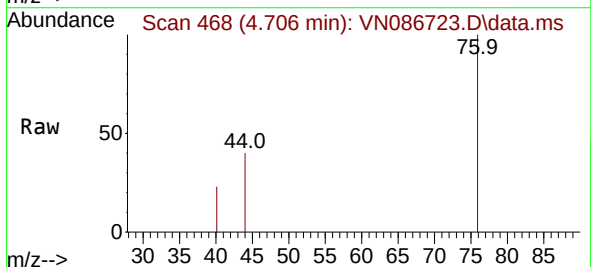
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

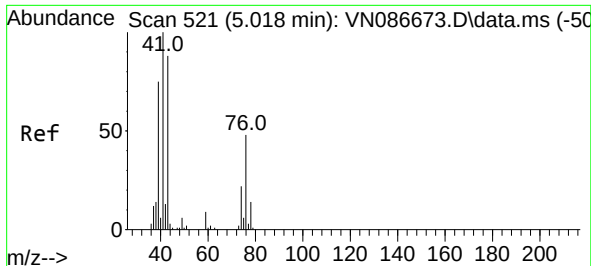
Tgt Ion: 43 Resp: 317
Ion Ratio Lower Upper
43 100
58 62.1 25.8 38.6#



#17
Carbon Disulfide
Concen: 0.482 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

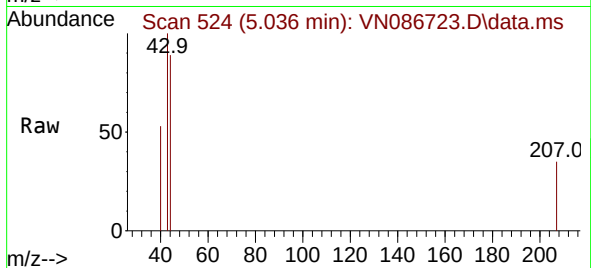
Tgt Ion: 76 Resp: 2356
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



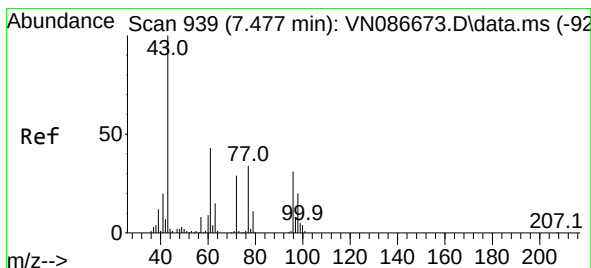
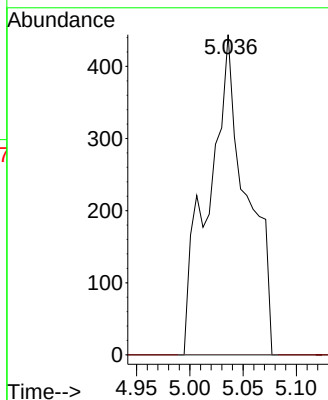
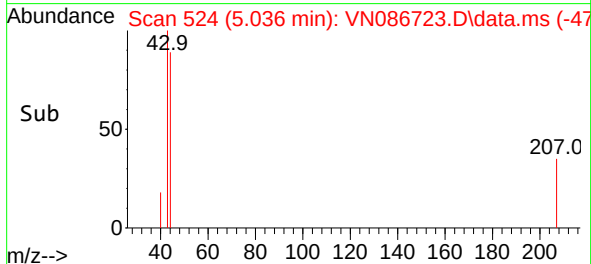


#18
Methyl Acetate
Concen: 0.485 ug/l
RT: 5.036 min Scan# 511
Delta R.T. 0.018 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Instrument :
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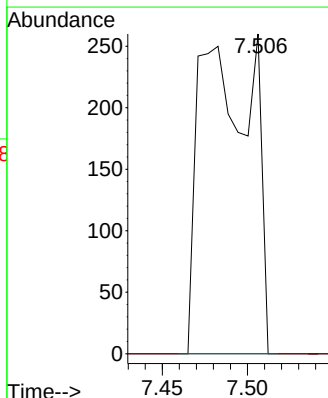
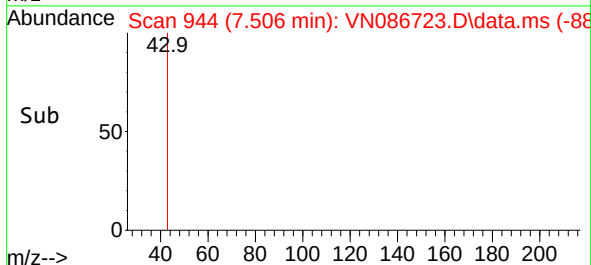
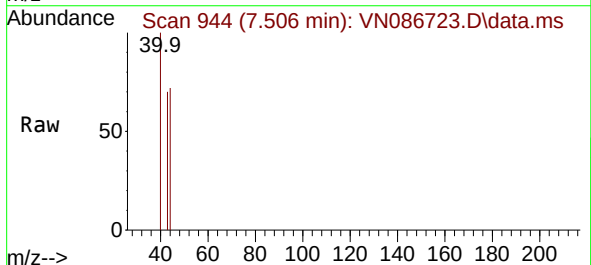


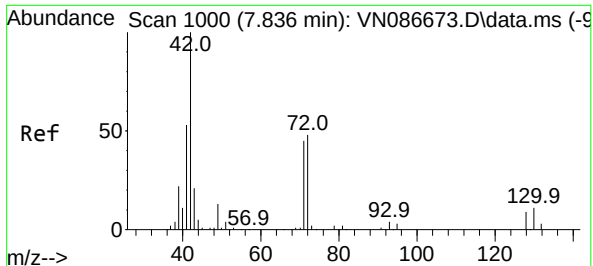
Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#25
2-Butanone
Concen: 0.432 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.029 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion: 43 Resp: 546
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.558 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.012 min

Lab File: VN086723.D

Acq: 21 May 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBL01

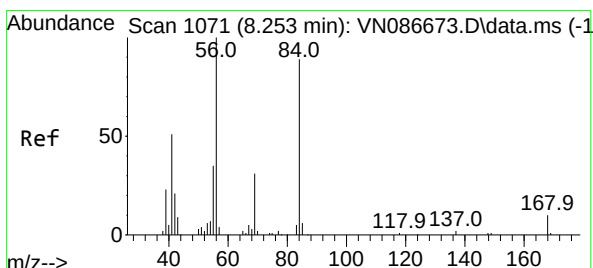
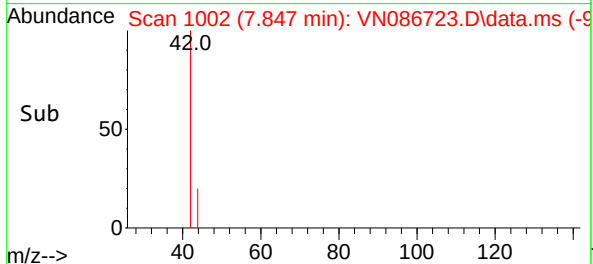
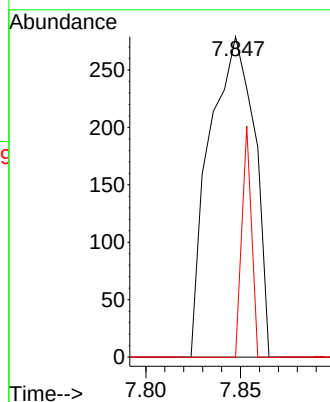
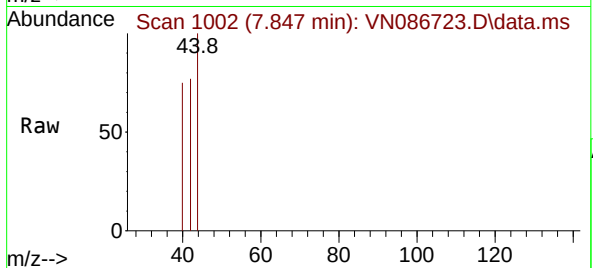
Tgt Ion: 42 Resp: 460

Ion Ratio Lower Upper

42 100

72 0.0 38.7 58.1#

71 15.4 36.2 54.4#



#31

Cyclohexane

Concen: 1.127 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN086723.D

Acq: 21 May 2025 11:44

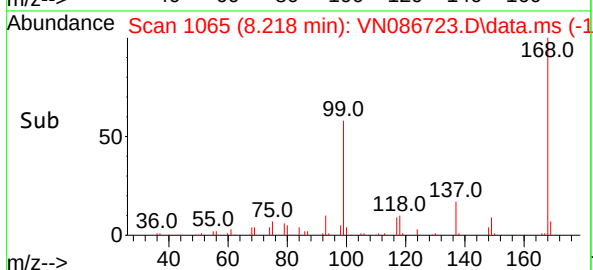
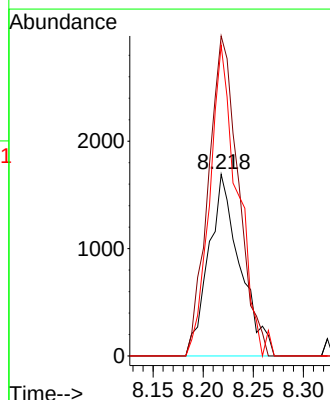
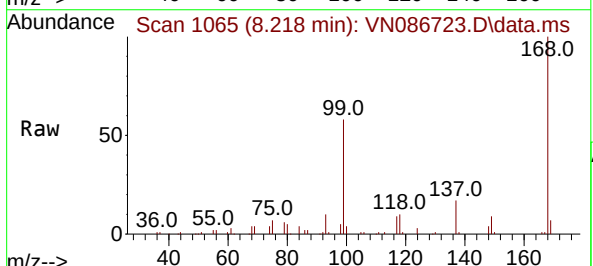
Tgt Ion: 56 Resp: 3697

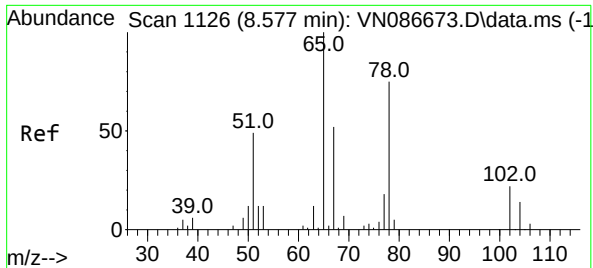
Ion Ratio Lower Upper

56 100

69 176.1 25.0 37.6#

84 171.0 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 52.539 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086723.D

Acq: 21 May 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

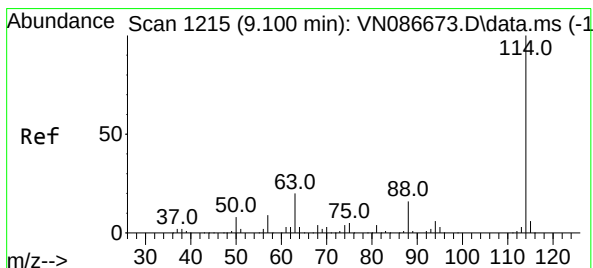
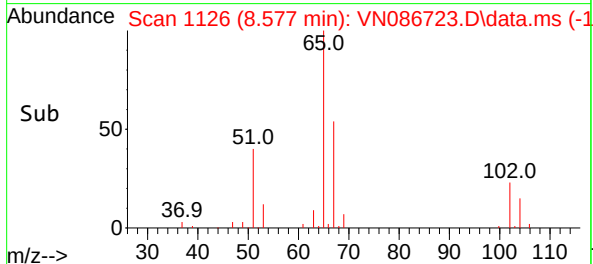
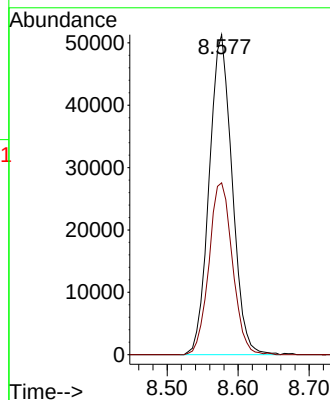
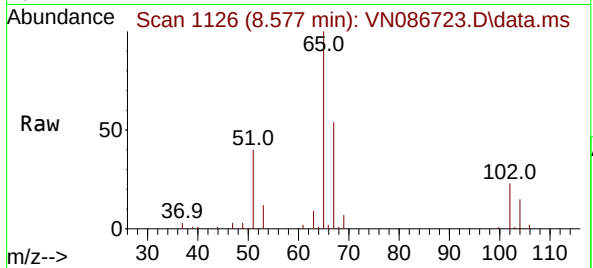
VN0521MBL01

Tgt Ion: 65 Resp: 114876

Ion Ratio Lower Upper

65 100

67 55.1 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086723.D

Acq: 21 May 2025 11:44

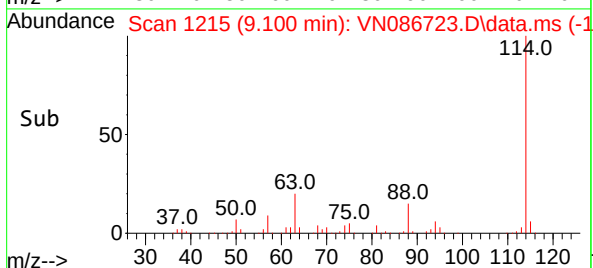
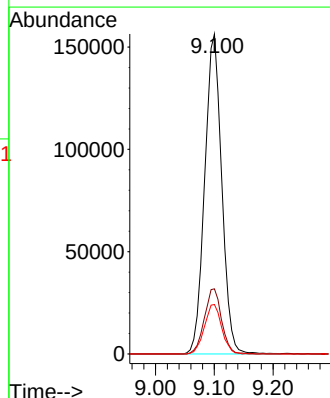
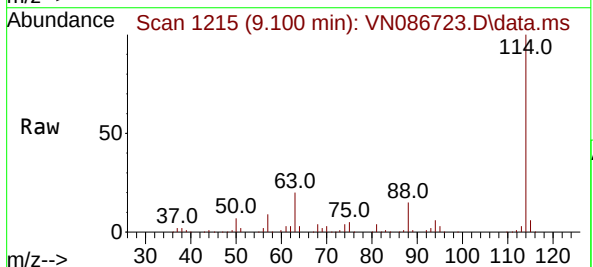
Tgt Ion: 114 Resp: 315437

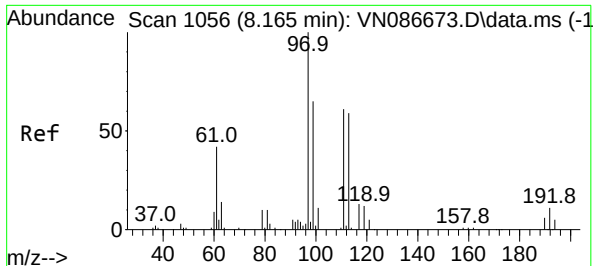
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.087 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086723.D

Acq: 21 May 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBL01

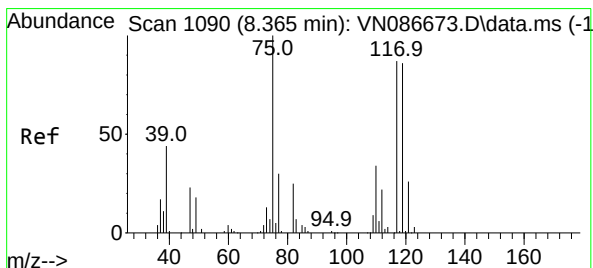
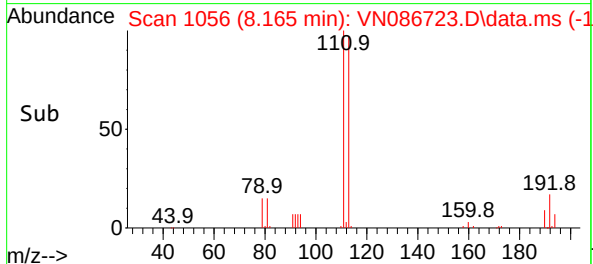
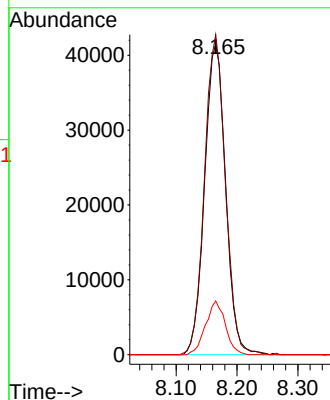
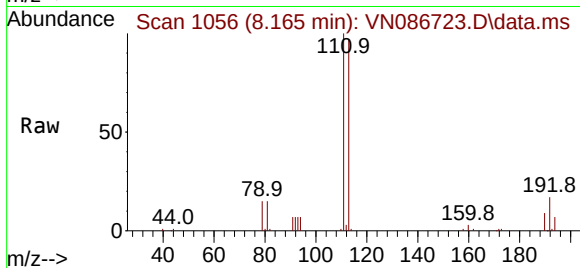
Tgt Ion:113 Resp: 99727

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 16.2 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.676 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086723.D

Acq: 21 May 2025 11:44

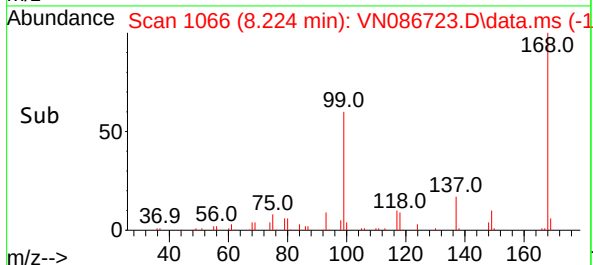
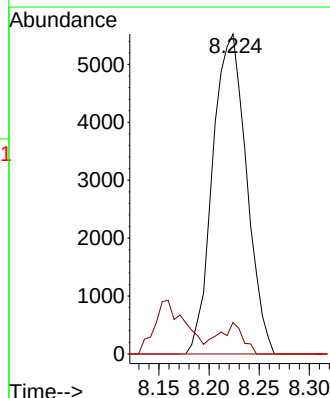
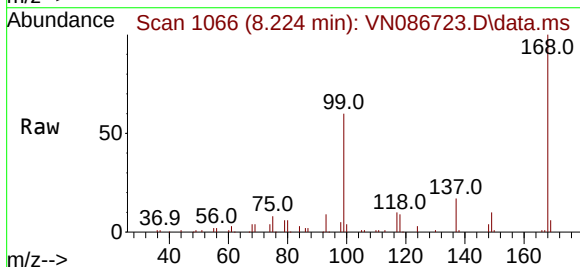
Tgt Ion: 75 Resp: 12956

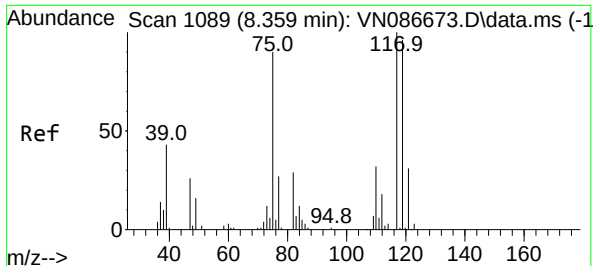
Ion Ratio Lower Upper

75 100

110 7.1 17.5 52.5#

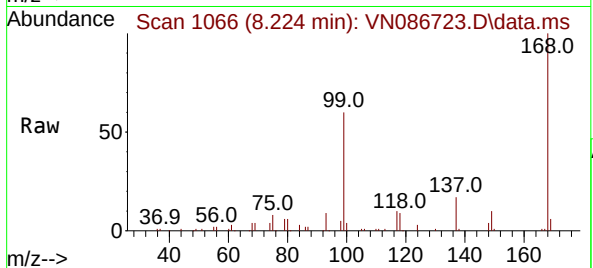
77 0.0 25.1 37.7#



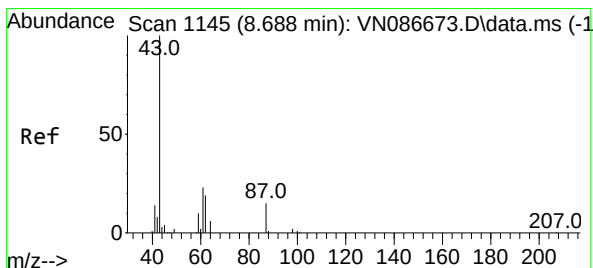
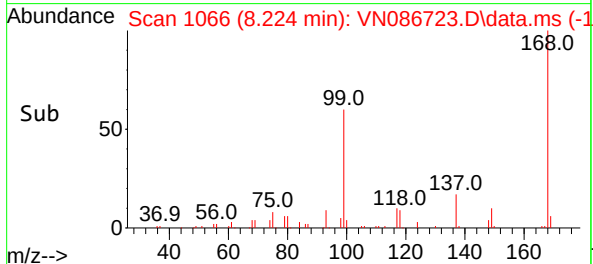
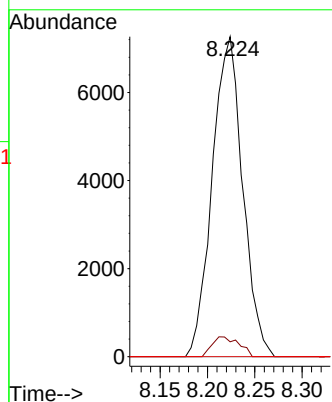


#38
Carbon Tetrachloride
Concen: 5.955 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

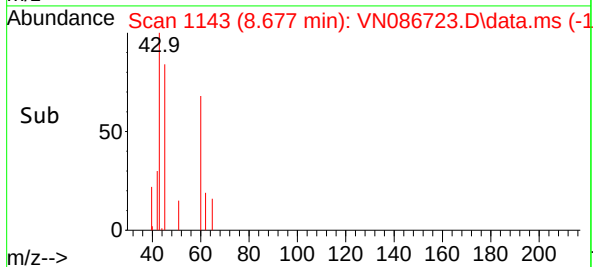
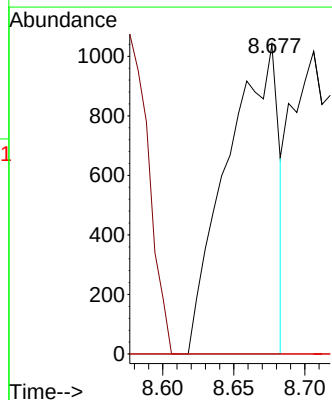
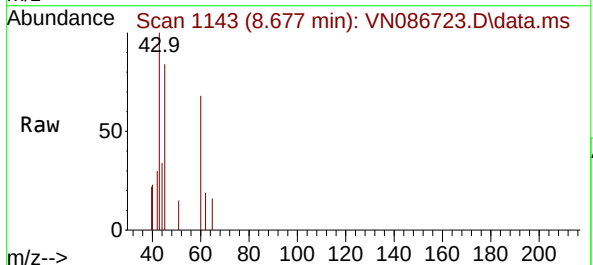


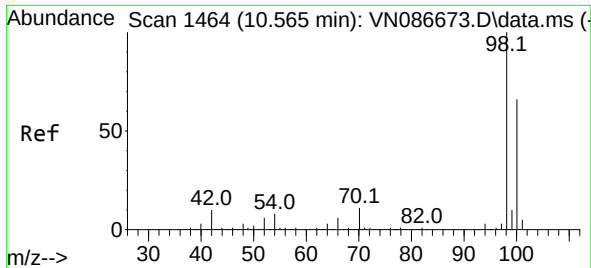
Tgt Ion:117 Resp: 16257
Ion Ratio Lower Upper
117 100
119 4.7 77.0 115.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 0.468 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion: 43 Resp: 2626
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.2#
87 0.0 11.1 16.7#

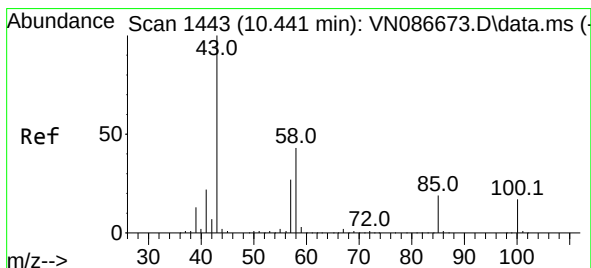
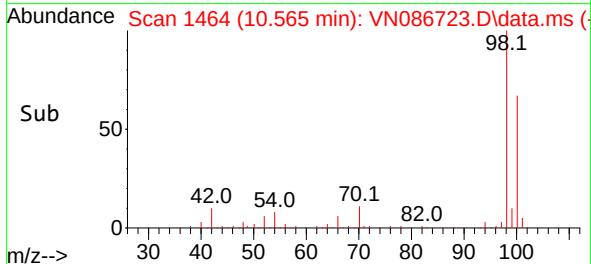
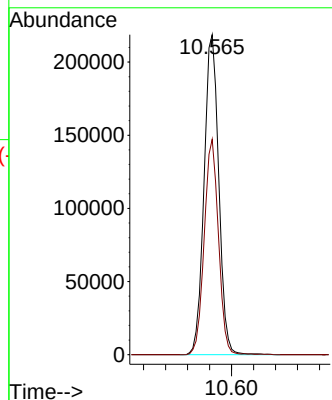
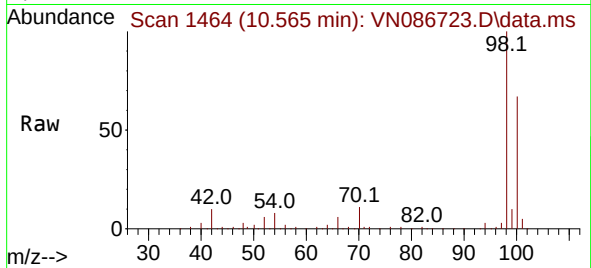




#50
Toluene-d8
Concen: 52.016 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

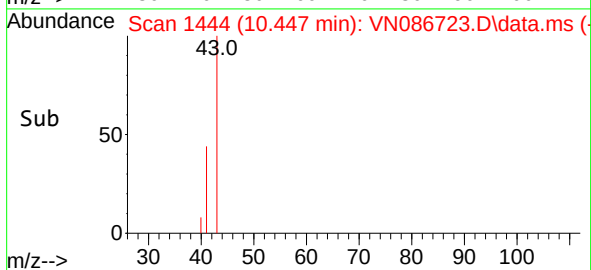
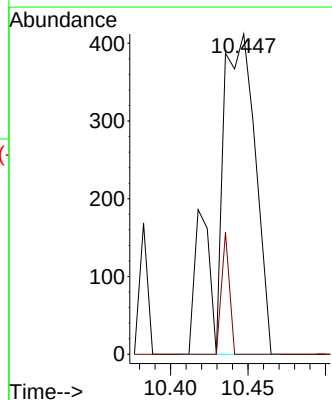
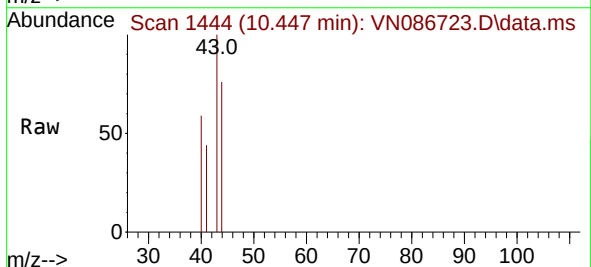
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

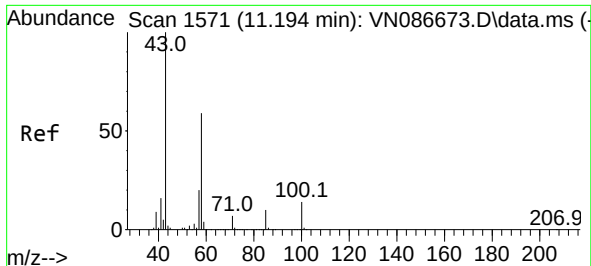
Tgt Ion: 98 Resp: 404936
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.245 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#

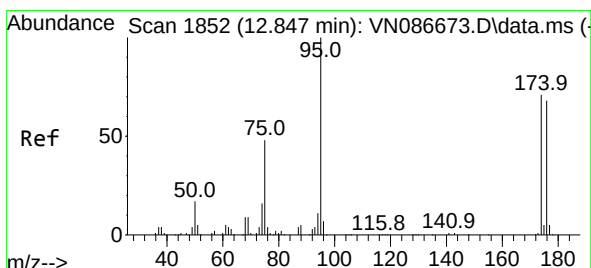
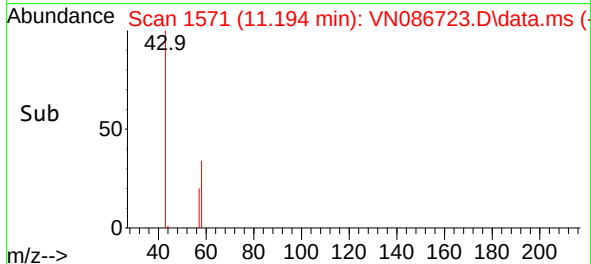
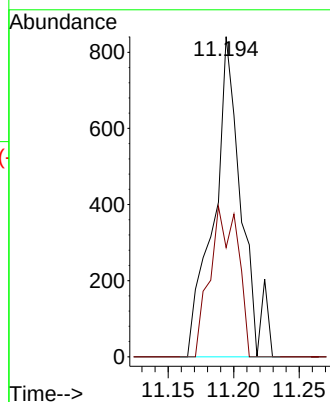
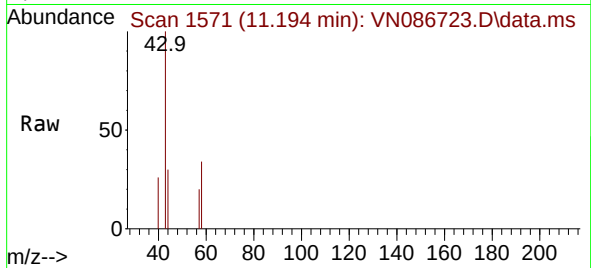




#59
2-Hexanone
Concen: 0.595 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

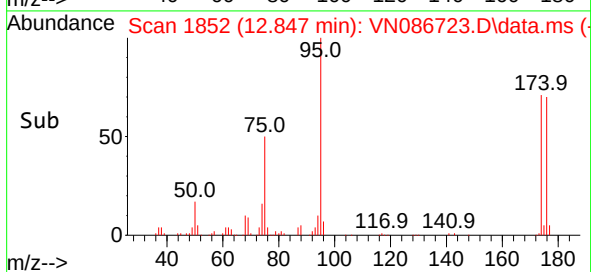
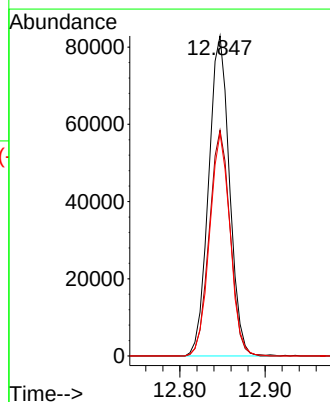
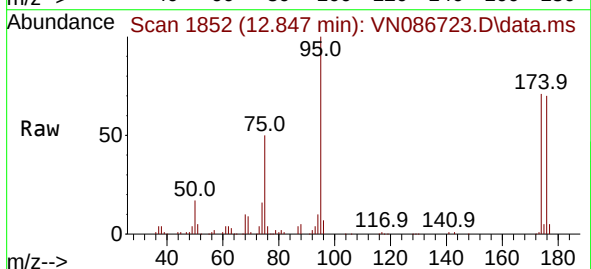
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

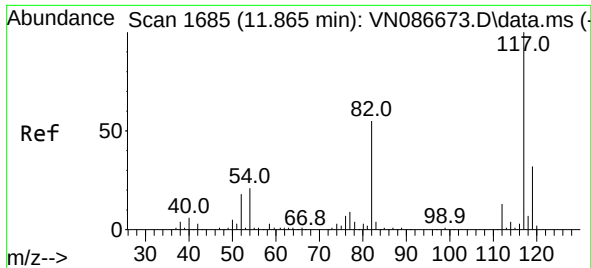
Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
58 47.5 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 51.300 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion: 95 Resp: 141014
Ion Ratio Lower Upper
95 100
174 70.4 0.0 145.4
176 68.0 0.0 137.8

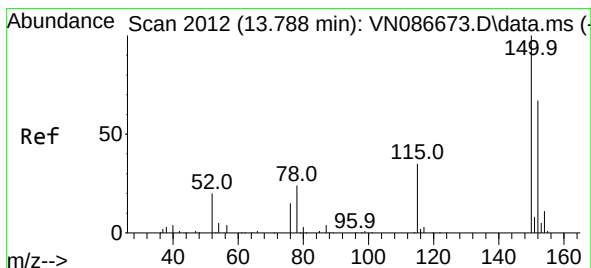
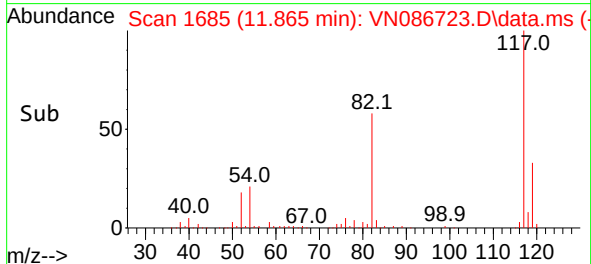
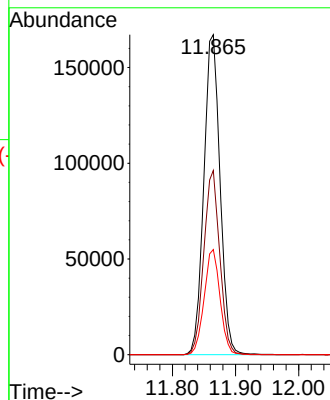
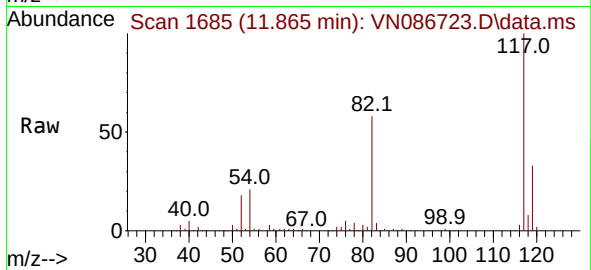




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

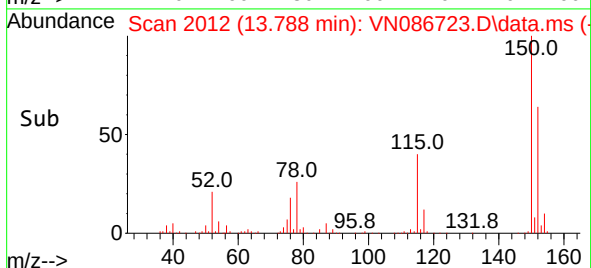
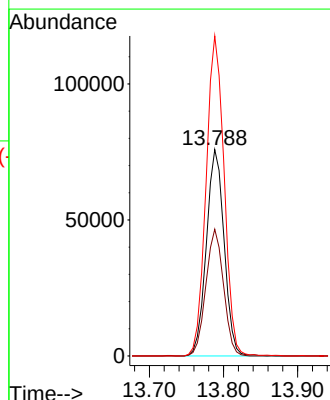
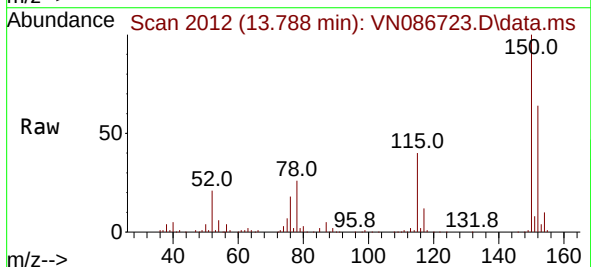
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

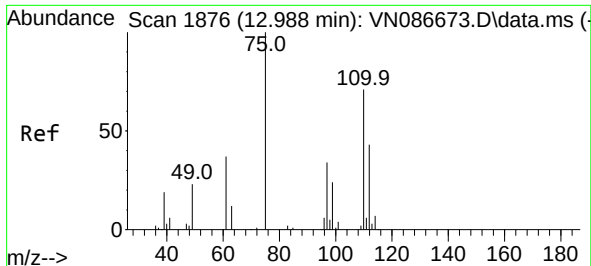
Tgt Ion:117 Resp: 297842
Ion Ratio Lower Upper
117 100
82 57.5 44.2 66.2
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion:152 Resp: 126400
Ion Ratio Lower Upper
152 100
115 61.0 30.0 90.1
150 157.3 0.0 347.8

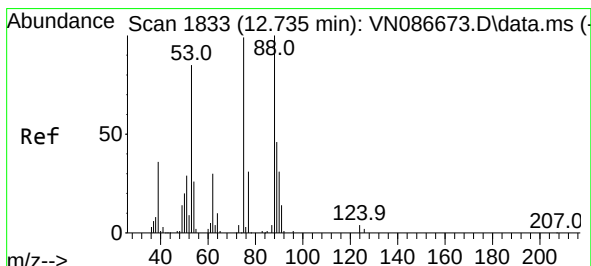
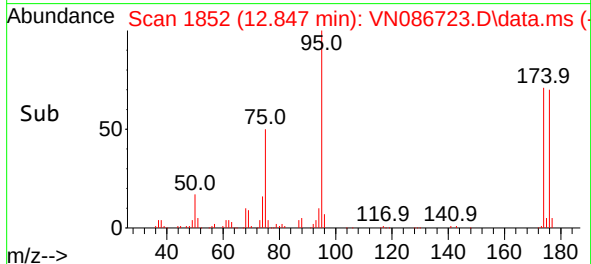
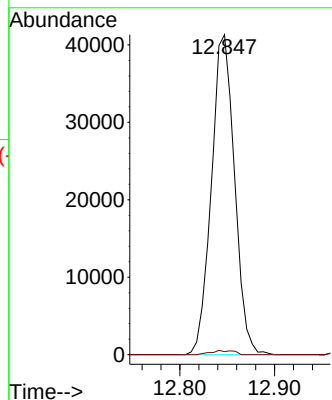
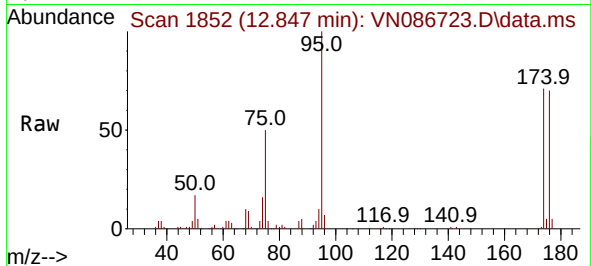




#76
1,2,3-Trichloropropane
Concen: 24.559 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

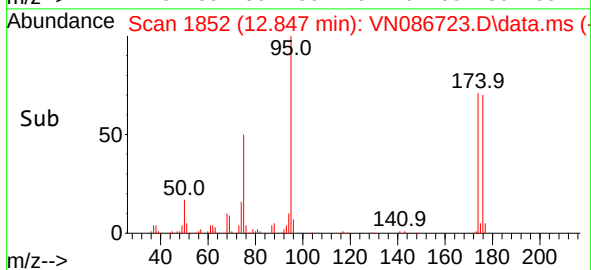
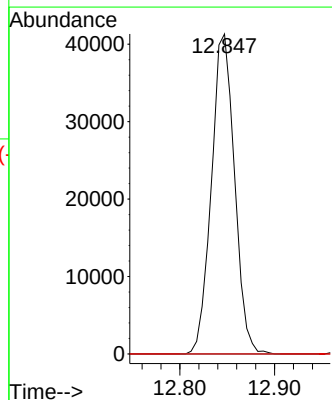
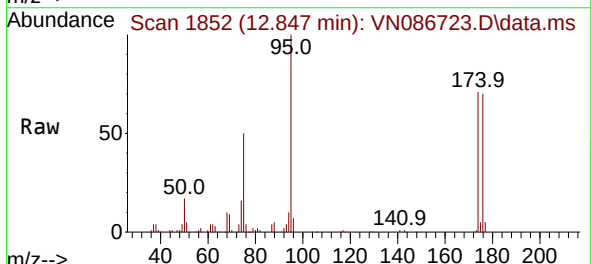
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

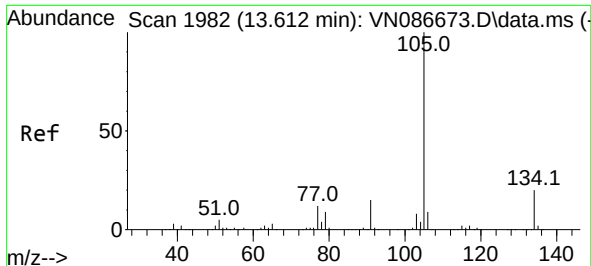
Tgt Ion: 75 Resp: 70206
Ion Ratio Lower Upper
75 100
77 1.3 96.0 288.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.979 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion: 75 Resp: 70206
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#

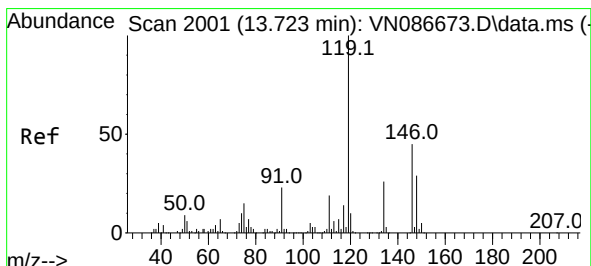
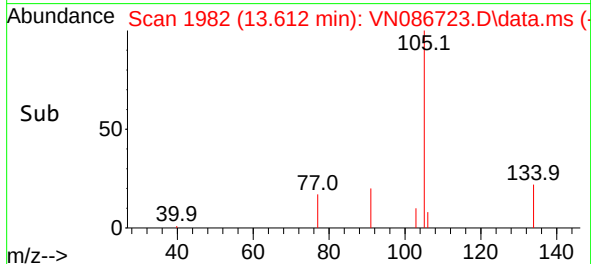
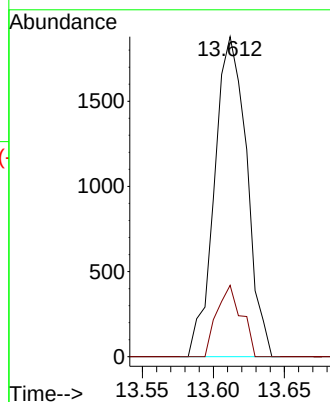
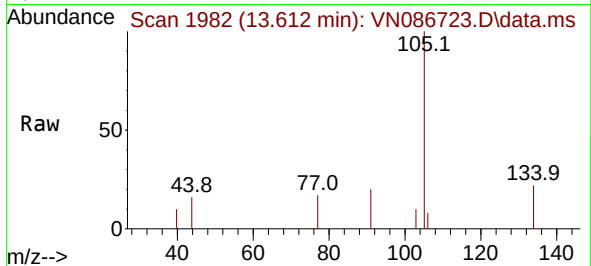




#85
 sec-Butylbenzene
 Concen: 0.325 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086723.D
 Acq: 21 May 2025 11:44

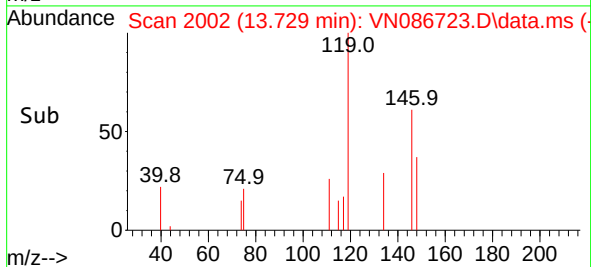
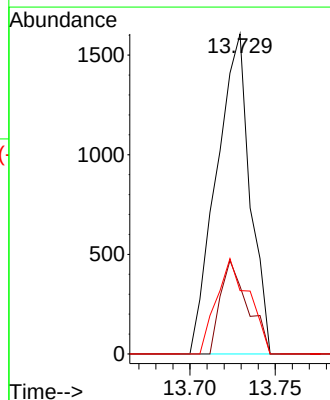
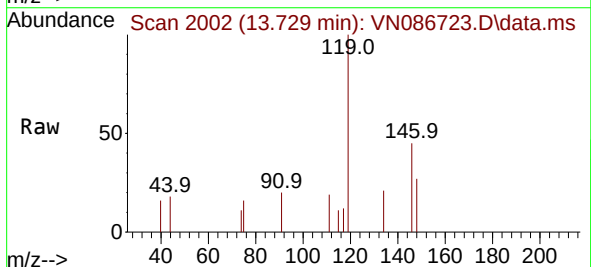
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBL01

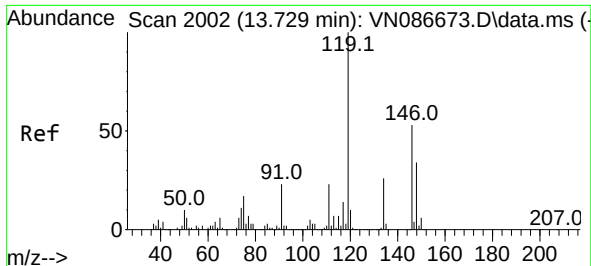
Tgt Ion:105 Resp: 2968
 Ion Ratio Lower Upper
 105 100
 134 17.1 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 0.293 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN086723.D
 Acq: 21 May 2025 11:44

Tgt Ion:119 Resp: 2199
 Ion Ratio Lower Upper
 119 100
 134 23.7 13.1 39.1
 91 28.7 11.5 34.5

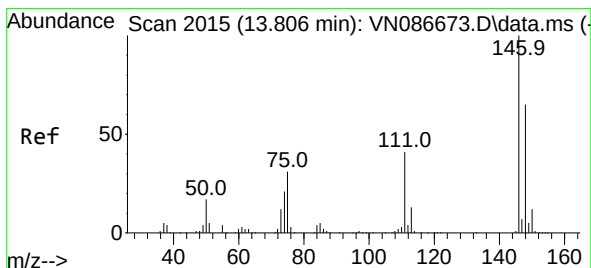
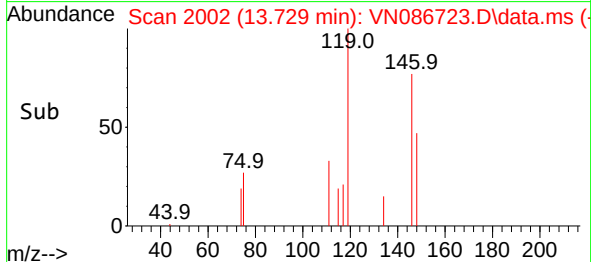
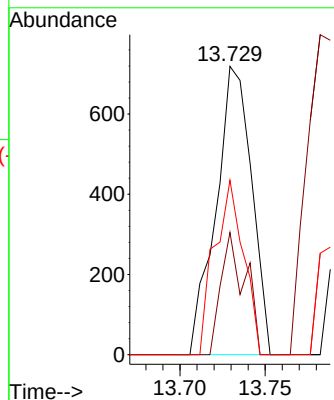
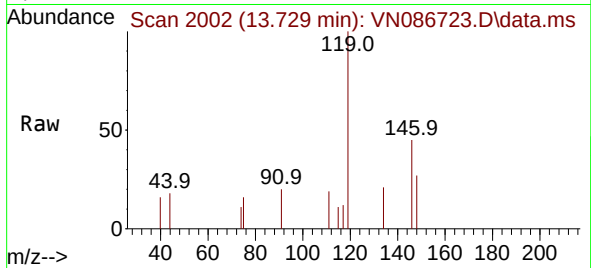




#87
1,3-Dichlorobenzene
Concen: 0.246 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

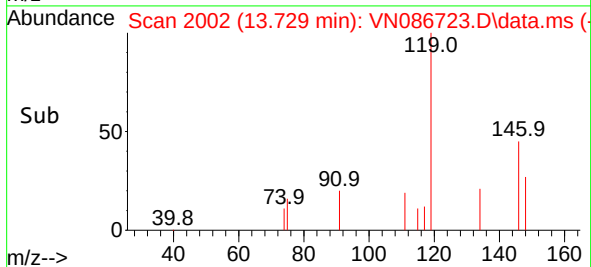
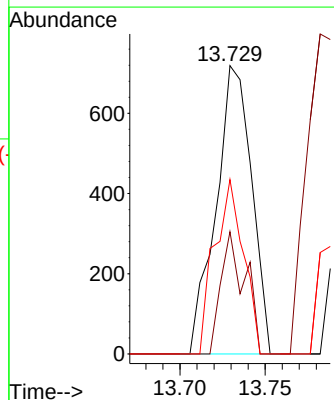
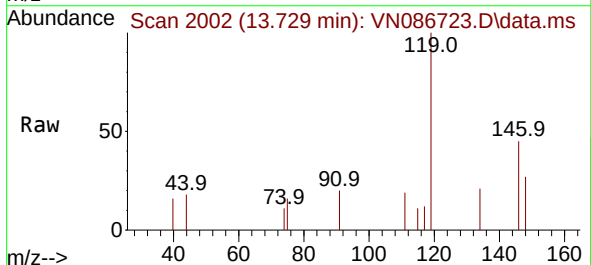
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

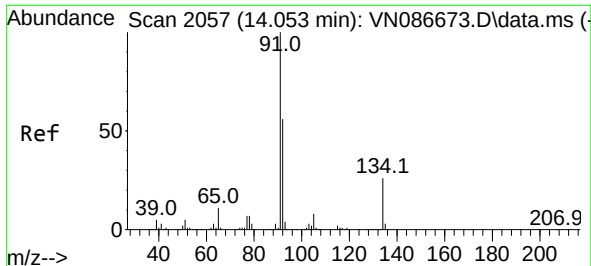
Tgt Ion:146 Resp: 1047
Ion Ratio Lower Upper
146 100
111 28.8 20.9 62.7
148 49.0 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 0.248 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.076 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion:146 Resp: 1047
Ion Ratio Lower Upper
146 100
111 28.8 20.6 61.8
148 49.0 32.0 96.0

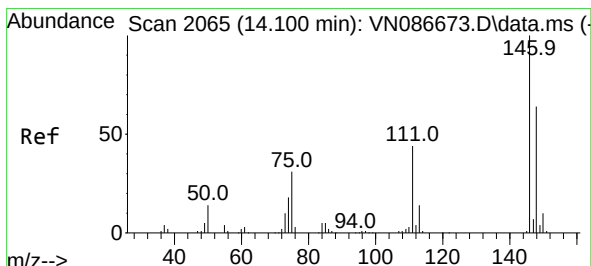
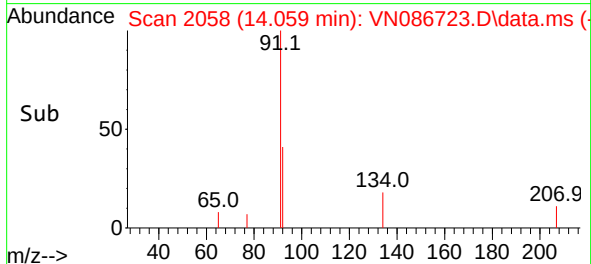
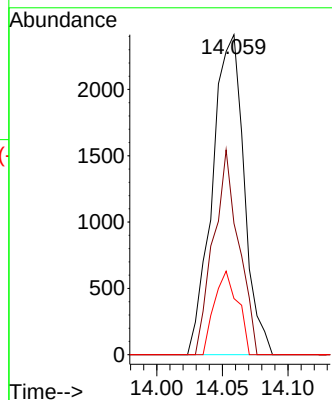
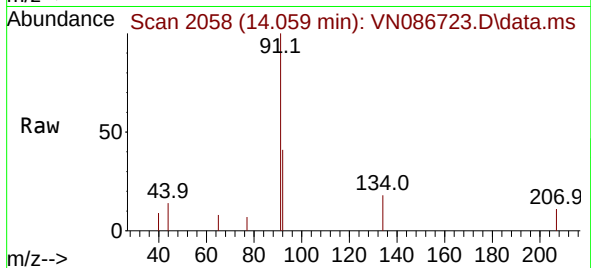




#89
n-Butylbenzene
Concen: 0.653 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

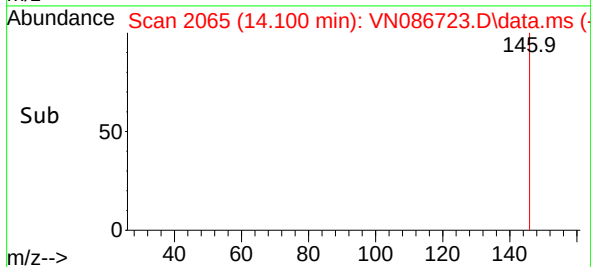
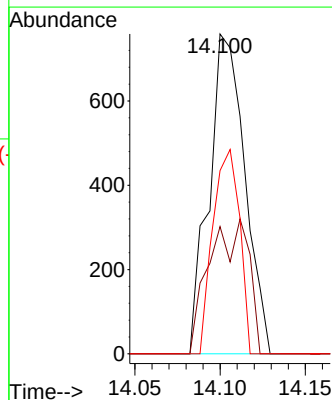
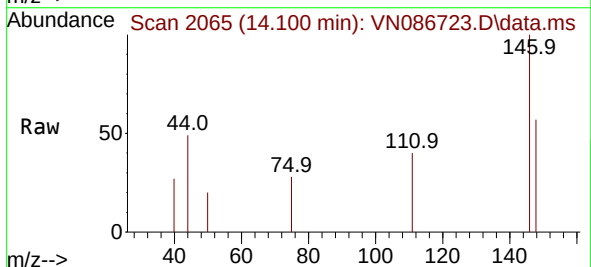
Instrument :
MSVOA_N
ClientSampleId :
VN0521MBL01

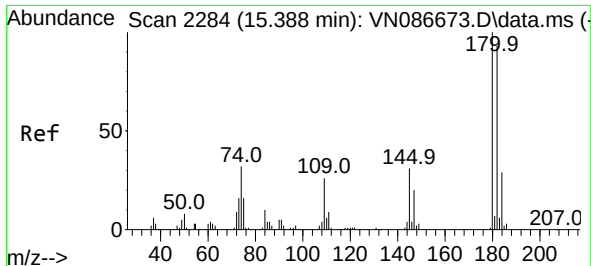
Tgt Ion:	91	Resp:	4058
Ion	Ratio	Lower	Upper
91	100		
92	51.0	27.4	82.0
134	19.3	12.8	38.4



#91
1,2-Dichlorobenzene
Concen: 0.274 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN086723.D
Acq: 21 May 2025 11:44

Tgt Ion:	146	Resp:	1109
Ion	Ratio	Lower	Upper
146	100		
111	46.4	21.6	65.0
148	47.6	31.7	95.1

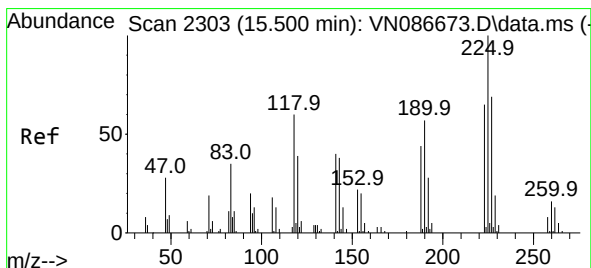
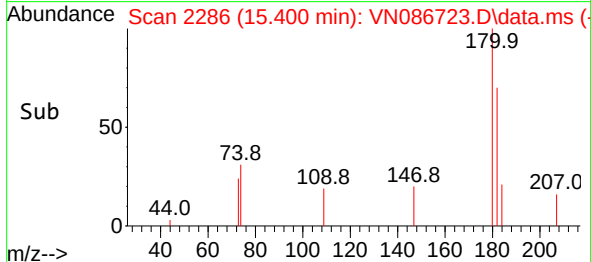
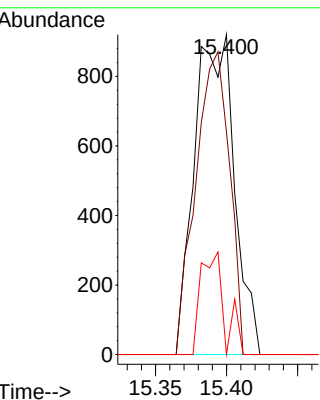
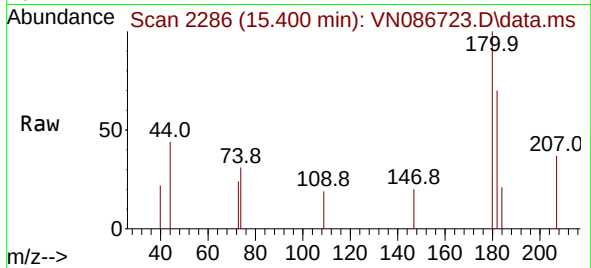




#93
 1,2,4-Trichlorobenzene
 Concen: 1.051 ug/l
 RT: 15.400 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN086723.D
 Acq: 21 May 2025 11:44

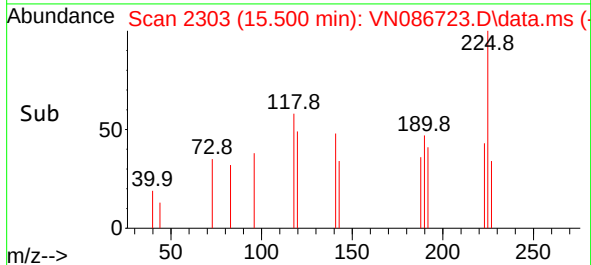
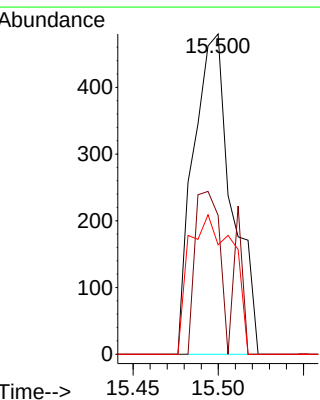
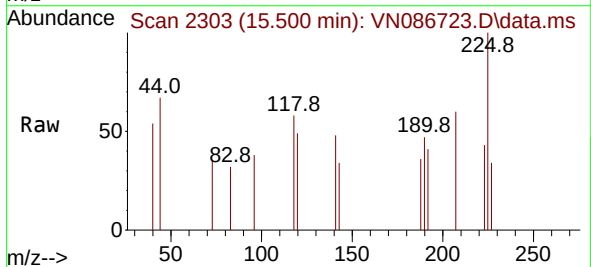
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0521MBL01

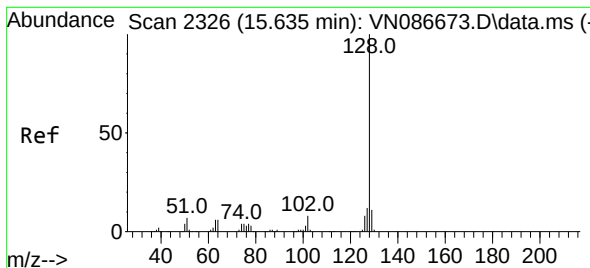
Tgt Ion:180 Resp: 1794
 Ion Ratio Lower Upper
 180 100
 182 80.2 47.1 141.3
 145 19.0 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 1.062 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. 0.000 min
 Lab File: VN086723.D
 Acq: 21 May 2025 11:44

Tgt Ion:225 Resp: 752
 Ion Ratio Lower Upper
 225 100
 223 42.8 32.9 98.6
 227 49.6 32.4 97.2





#95

Naphthalene

Concen: 1.399 ug/l

RT: 15.635 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN086723.D

Acq: 21 May 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VN0521MBL01

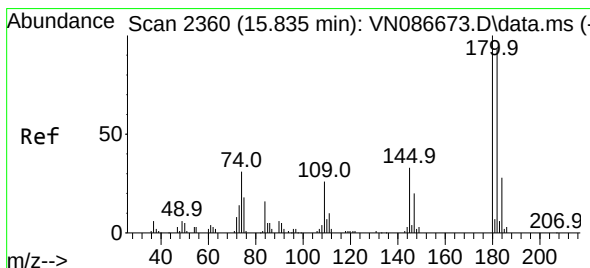
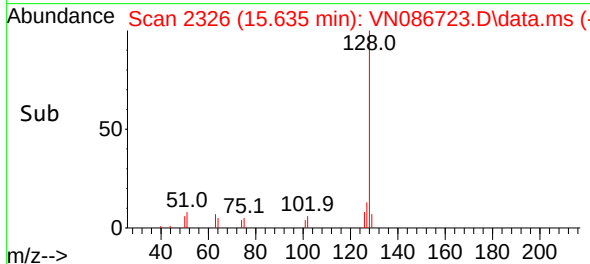
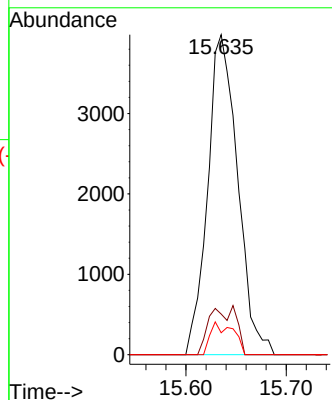
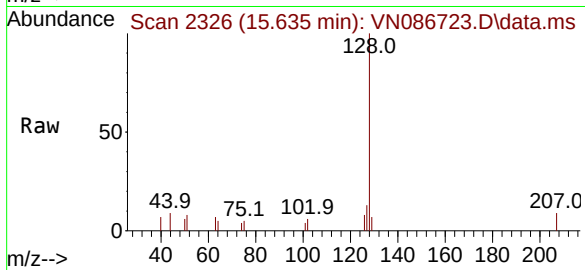
Tgt Ion:128 Resp: 8291

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

129 7.7 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.298 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN086723.D

Acq: 21 May 2025 11:44

Tgt Ion:180 Resp: 2171

Ion Ratio Lower Upper

180 100

182 86.3 47.0 141.2

145 29.0 16.7 50.1

