

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022525\
 Data File : VN085858.D
 Acq On : 25 Feb 2025 15:37
 Operator : JC\MD
 Sample : Q1395-01DL 10X
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

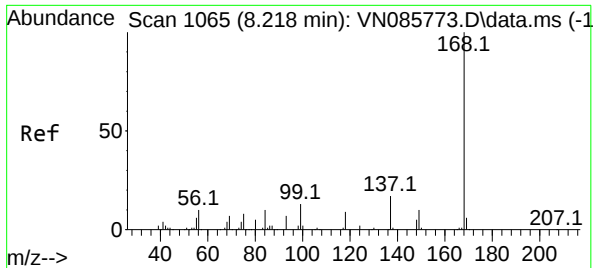
Instrument :
 MSVOA_N
 ClientSampleId :
 BEL-25-0005DL

Quant Time: Feb 25 23:40:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	284985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	520670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	477297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	224355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	203383	55.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.100%			
35) Dibromofluoromethane	8.165	113	177203	52.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.020%			
50) Toluene-d8	10.565	98	628585	50.710	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.420%			
62) 4-Bromofluorobenzene	12.847	95	232845	57.012	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.020%			
Target Compounds						Qvalue
5) Bromomethane	2.942	94	974	0.370	ug/l #	77
16) Acetone	4.436	43	577	0.494	ug/l #	55
18) Methyl Acetate	5.030	43	1446	0.360	ug/l #	62
31) Cyclohexane	8.218	56	10818	2.050	ug/l #	60
36) 1,1-Dichloropropene	8.218	75	22111	4.586	ug/l #	51
38) Carbon Tetrachloride	8.224	117	29665	5.178	ug/l #	18
39) Methylcyclohexane	9.594	83	1240	0.262	ug/l #	76
43) Isopropyl Acetate	8.694	43	9486	0.825	ug/l #	53
48) Methyl methacrylate	9.677	41	693	0.235	ug/l #	20
52) Toluene	10.629	92	180587	19.934	ug/l	99
53) t-1,3-Dichloropropene	10.629	75	2085	0.401	ug/l #	1
55) 1,1,2-Trichloroethane	11.012	97	827	0.230	ug/l #	43
56) Ethyl methacrylate	10.859	69	329	0.531	ug/l #	24
68) m/p-Xylenes	12.059	106	1897	0.292	ug/l #	34
70) Styrene	12.400	104	55	0.590	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	119667	24.012	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.094	105	4510	0.360	ug/l	72
81) trans-1,4-Dichloro-2-b...	12.847	75	119667	70.061	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.482	105	5301	0.428	ug/l	98
85) sec-Butylbenzene	13.612	105	3024	0.203	ug/l	83
86) p-Isopropyltoluene	13.729	119	1553	0.747	ug/l	88
93) 1,2,4-Trichlorobenzene	15.400	180	1408	0.395	ug/l #	1
95) Naphthalene	15.629	128	2533	0.259	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.853	180	8958	2.503	ug/l #	13

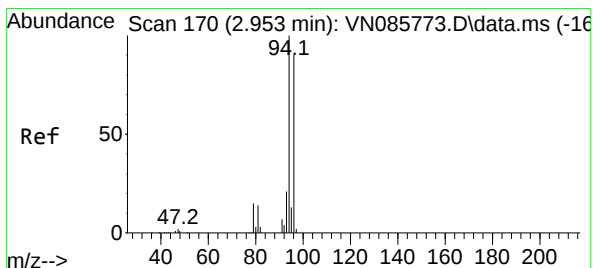
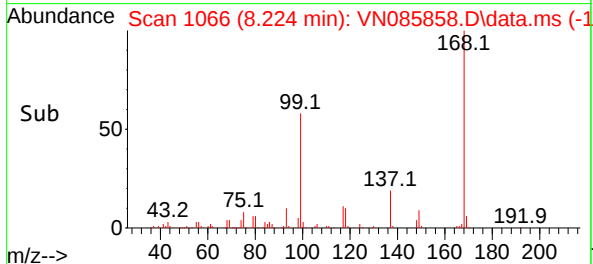
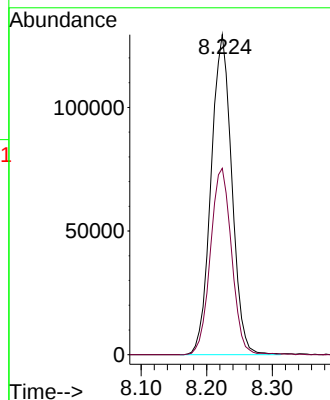
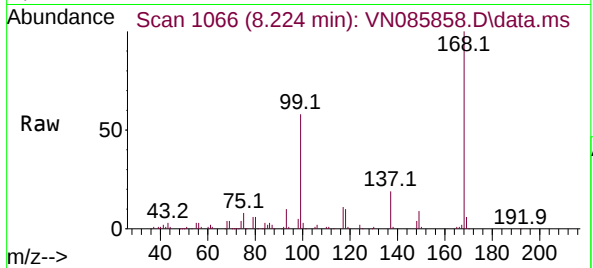
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

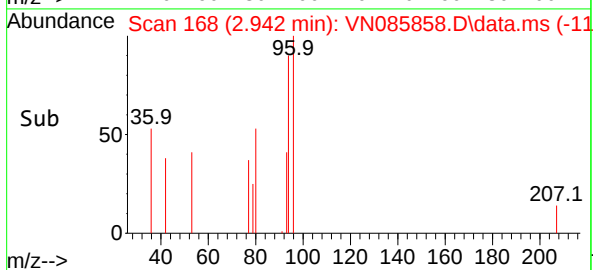
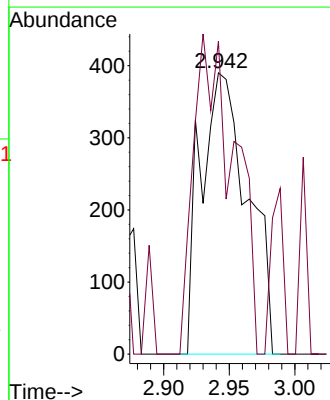
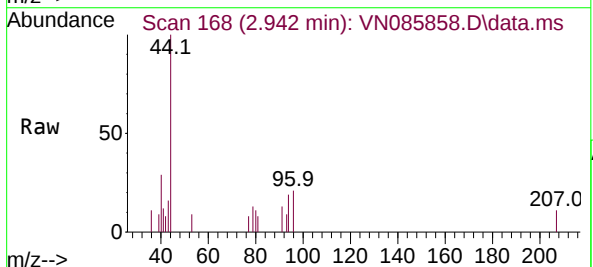
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0005DL

Tgt Ion:168 Resp: 284985
Ion Ratio Lower Upper
168 100
99 58.2 47.9 71.9



#5
Bromomethane
Concen: 0.370 ug/l
RT: 2.942 min Scan# 168
Delta R.T. -0.012 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

Tgt Ion: 94 Resp: 974
Ion Ratio Lower Upper
94 100
96 111.3 71.7 107.5#

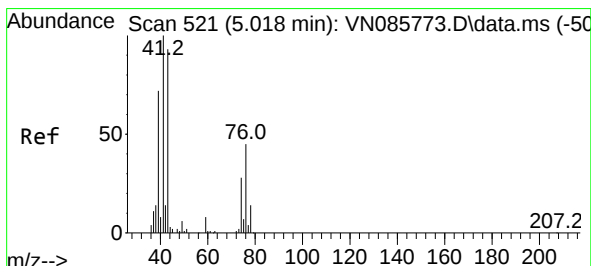
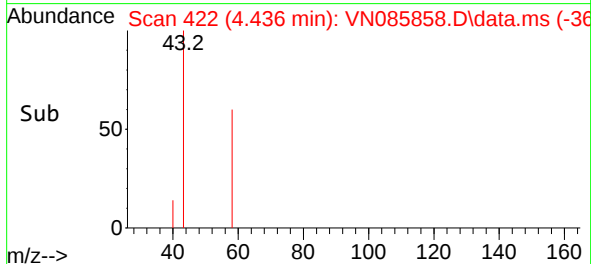
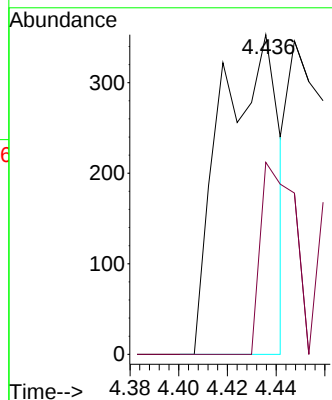
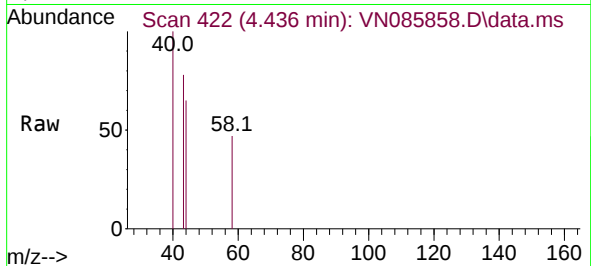




#16
Acetone
Concen: 0.494 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

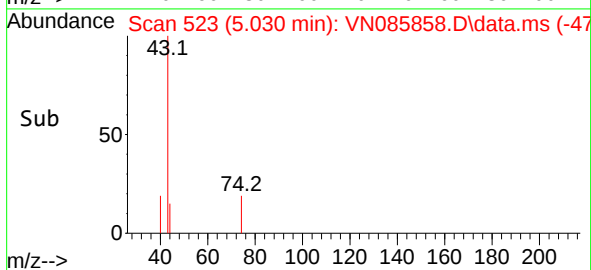
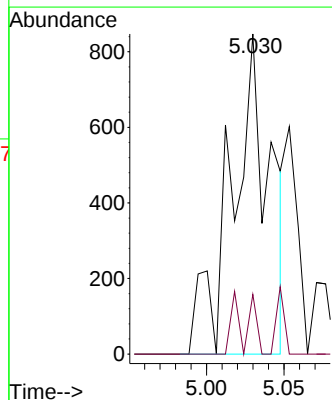
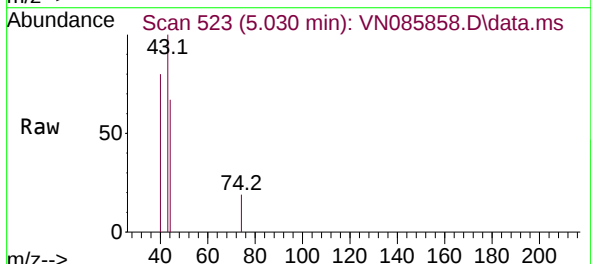
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MSVOA_N
ClientSampleId :
BEL-25-0005DL

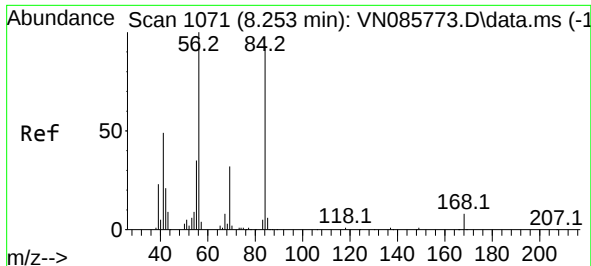
Tgt Ion: 43 Resp: 577
Ion Ratio Lower Upper
43 100
58 60.1 27.5 41.3#



#18
Methyl Acetate
Concen: 0.360 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

Tgt Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
74 7.9 22.2 33.4#

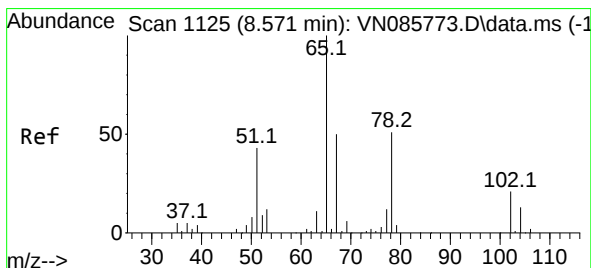
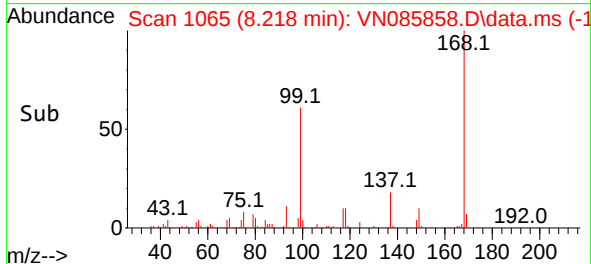
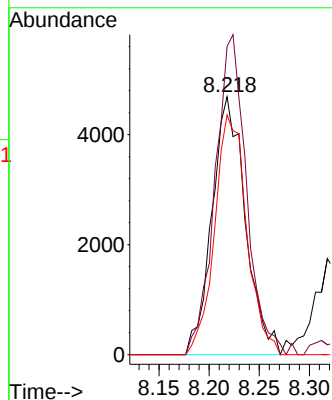
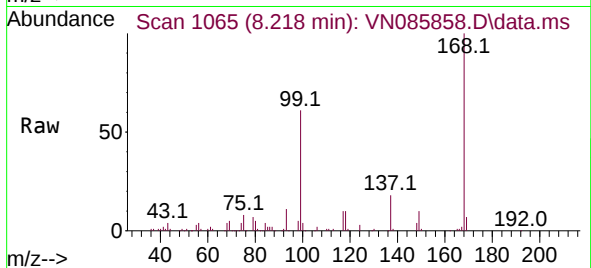




#31
Cyclohexane
Concen: 2.050 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

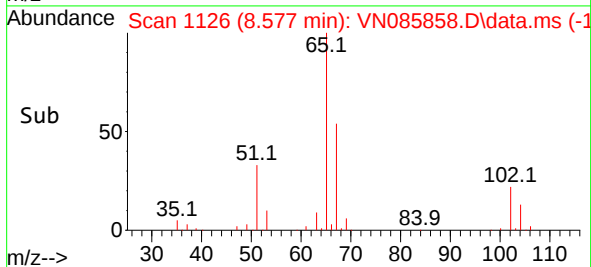
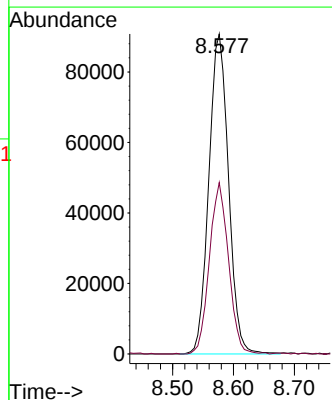
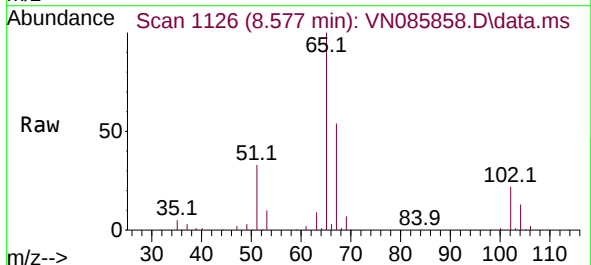
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0005DL

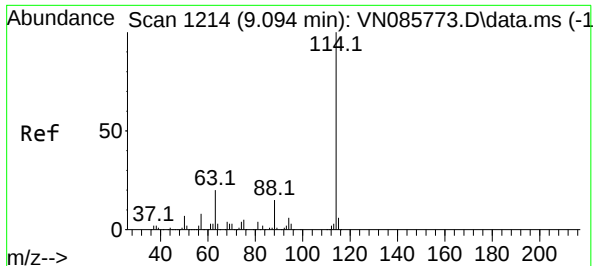
Tgt Ion: 56 Resp: 10818
Ion Ratio Lower Upper
56 100
69 119.5 25.8 38.6#
84 92.9 74.5 111.7



#33
1,2-Dichloroethane-d4
Concen: 55.047 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

Tgt Ion: 65 Resp: 203383
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085858.D

Acq: 25 Feb 2025 15:37

Instrument :

MSVOA_N

ClientSampleId :

BEL-25-0005DL

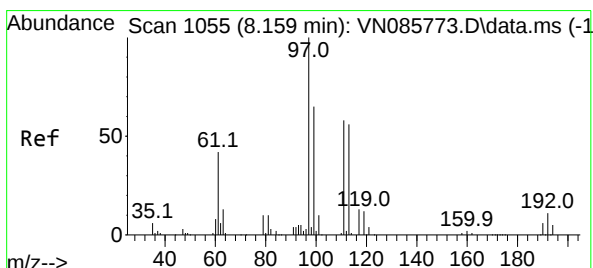
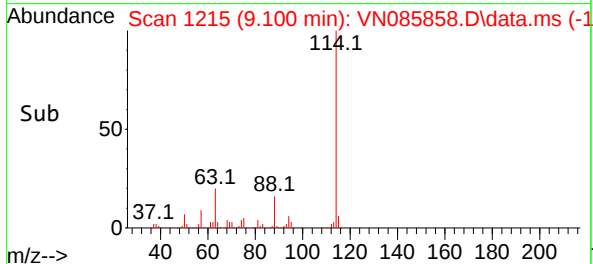
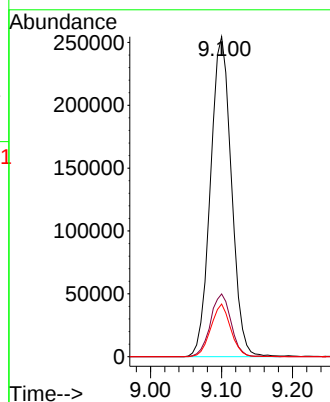
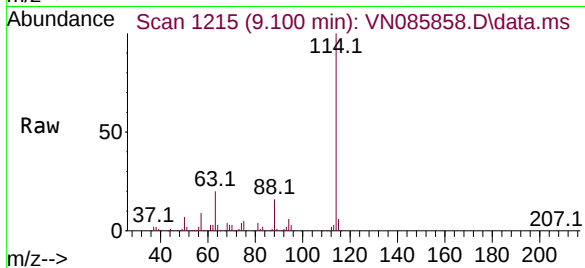
Tgt Ion:114 Resp: 520670

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

88 16.5 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.011 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085858.D

Acq: 25 Feb 2025 15:37

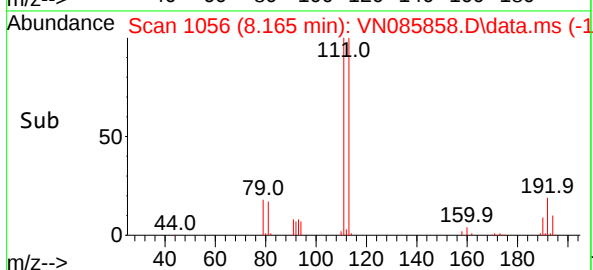
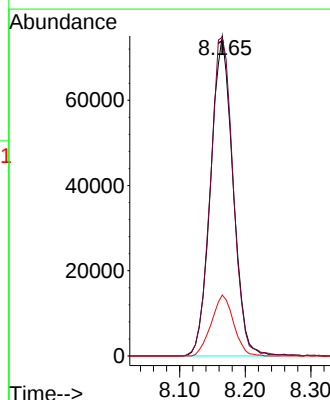
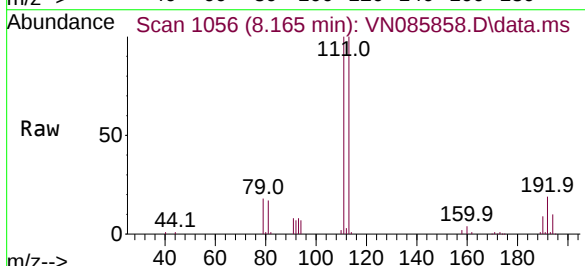
Tgt Ion:113 Resp: 177203

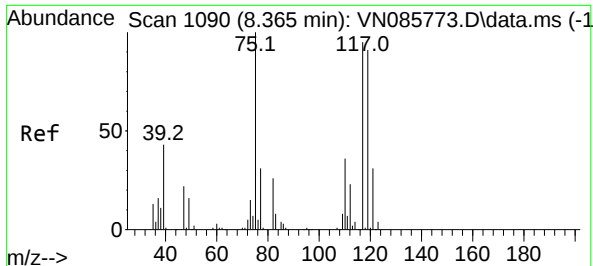
Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 19.0 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.586 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085858.D

Acq: 25 Feb 2025 15:37

Instrument :

MSVOA_N

ClientSampleId :

BEL-25-0005DL

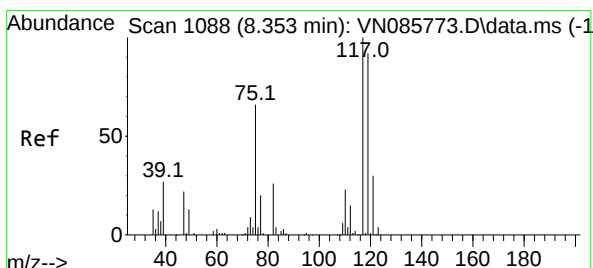
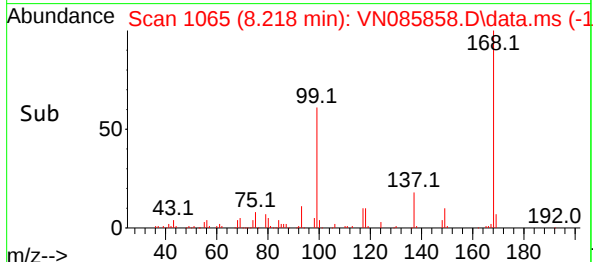
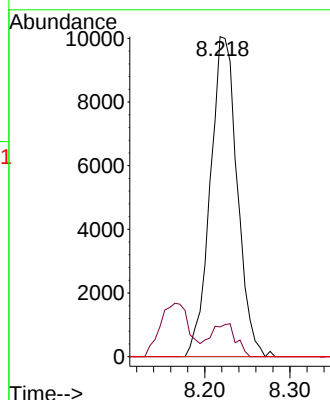
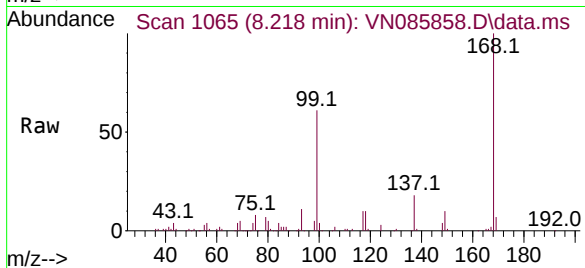
Tgt Ion: 75 Resp: 22111

Ion Ratio Lower Upper

75 100

110 9.9 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.178 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.129 min

Lab File: VN085858.D

Acq: 25 Feb 2025 15:37

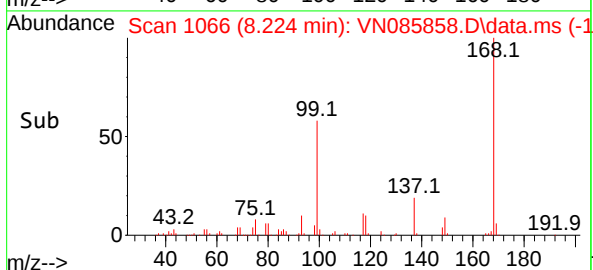
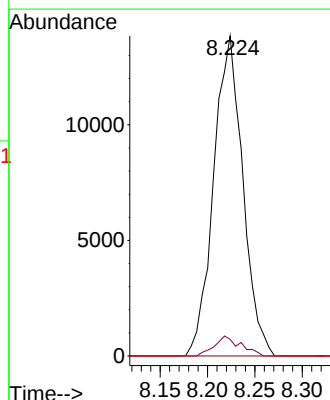
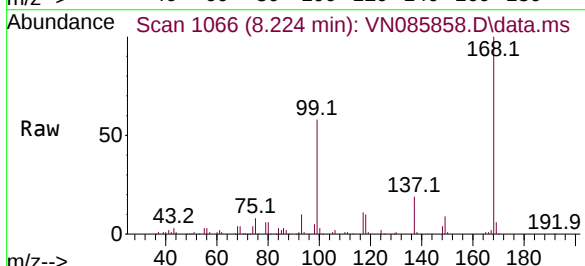
Tgt Ion: 117 Resp: 29665

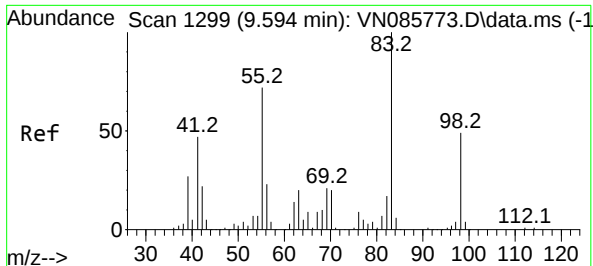
Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.6#

121 0.0 24.3 36.5#





#39

Methylcyclohexane

Concen: 0.262 ug/l

RT: 9.594 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN085858.D

Acq: 25 Feb 2025 15:37

Instrument :

MSVOA_N

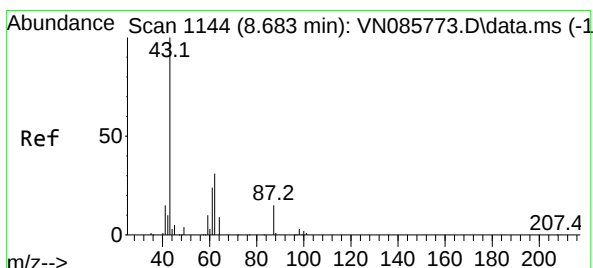
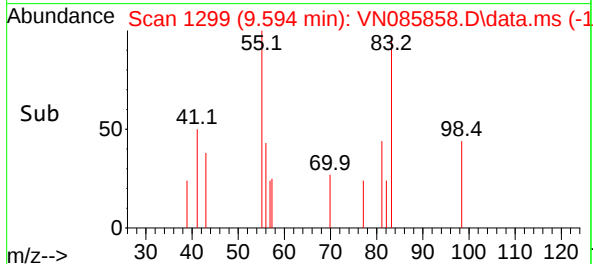
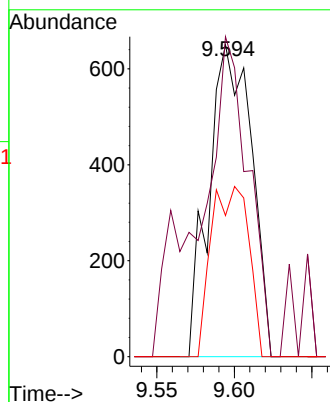
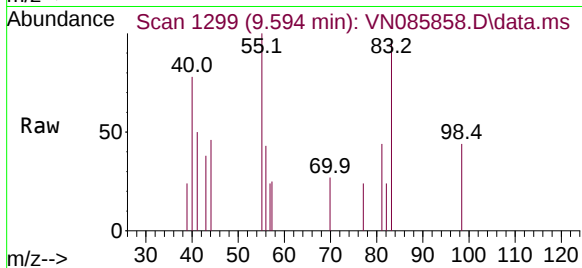
ClientSampleId :

BEL-25-0005DL

Tgt Ion: 83 Resp: 1240

Ion Ratio Lower Upper

83	100		
55	102.6	57.5	86.3#
98	45.2	39.2	58.8



#43

Isopropyl Acetate

Concen: 0.825 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.011 min

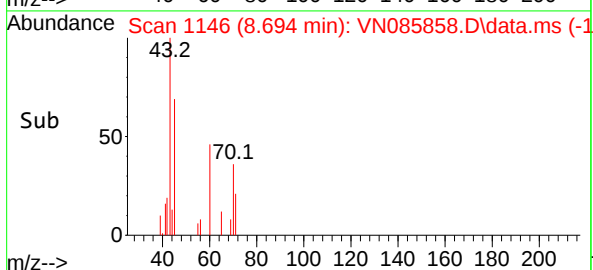
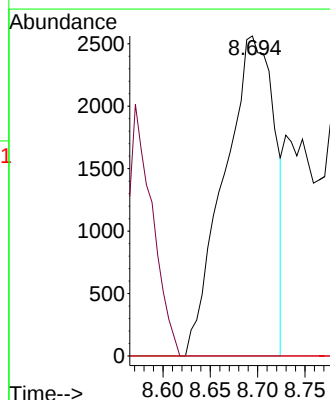
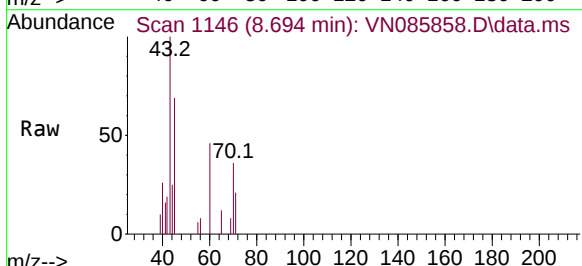
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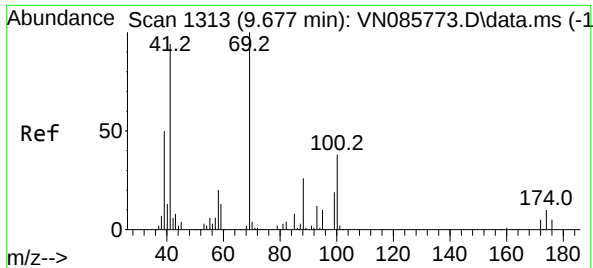
Acq: 25 Feb 2025 15:37

Tgt Ion: 43 Resp: 9486

Ion Ratio Lower Upper

43	100		
61	0.0	22.6	34.0#
87	0.0	11.8	17.8#

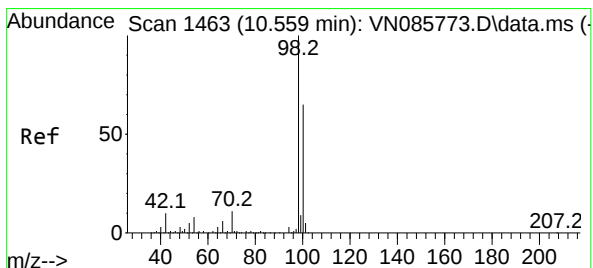
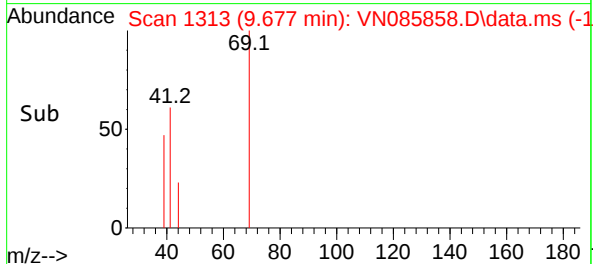
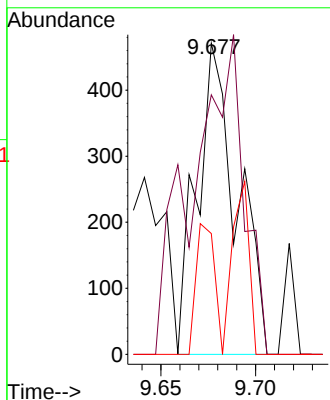
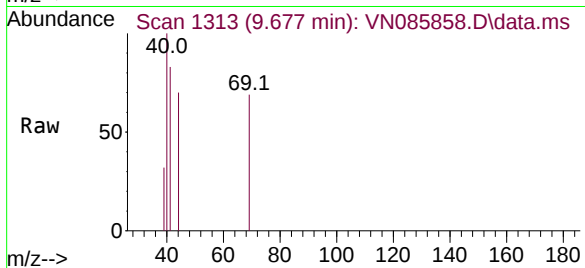




#48
Methyl methacrylate
Concen: 0.235 ug/l
RT: 9.677 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

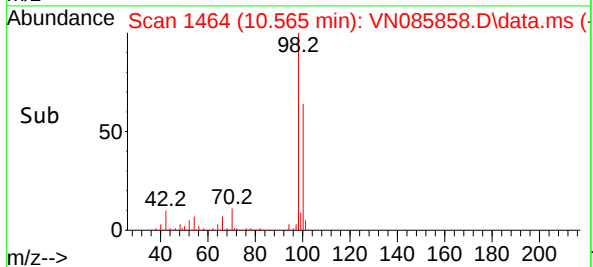
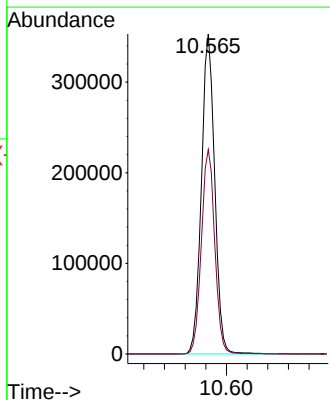
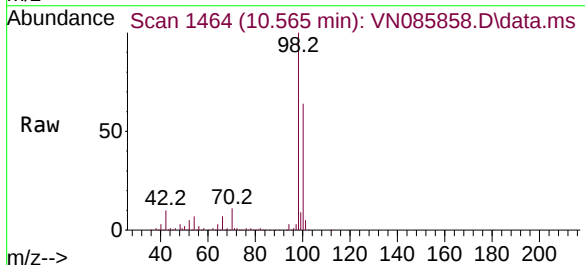
Instrument :
MSVOA_N
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BEL-25-0005DL

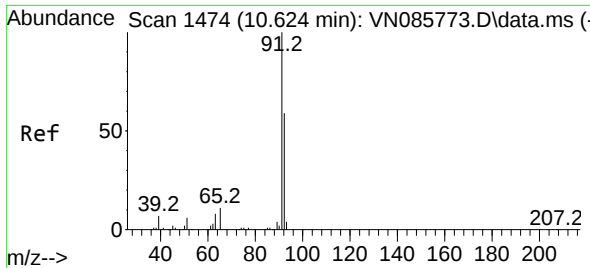
Tgt Ion: 41 Resp: 693
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 19.3 42.3 63.5#



#50
Toluene-d8
Concen: 50.710 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

Tgt Ion: 98 Resp: 628585
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

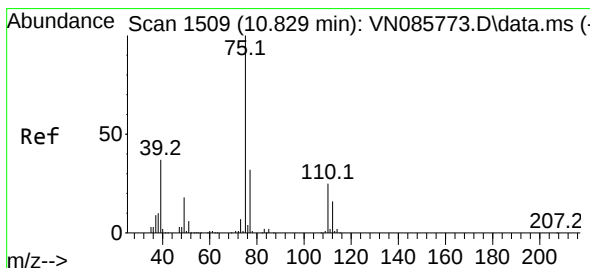
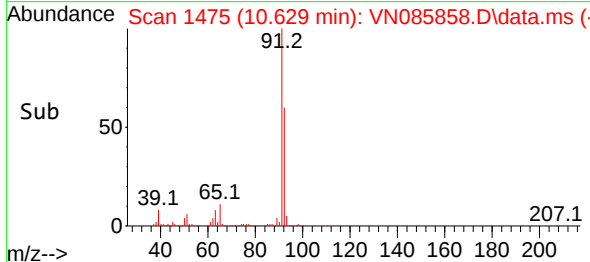
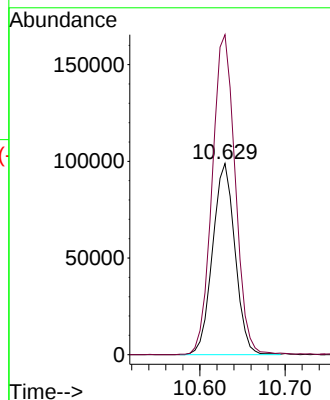
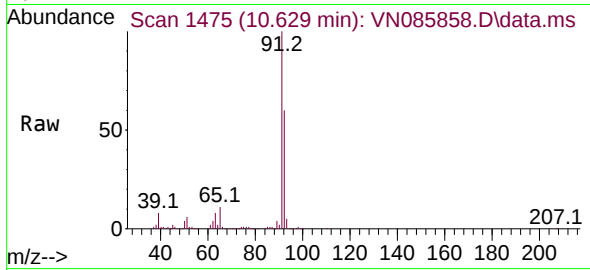




#52
Toluene
Concen: 19.934 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

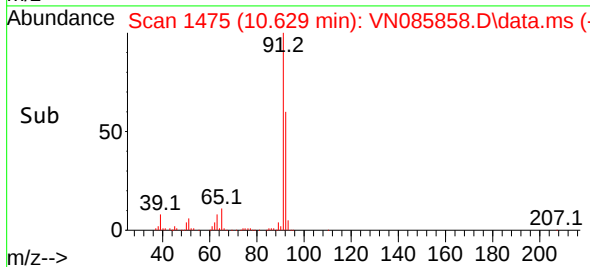
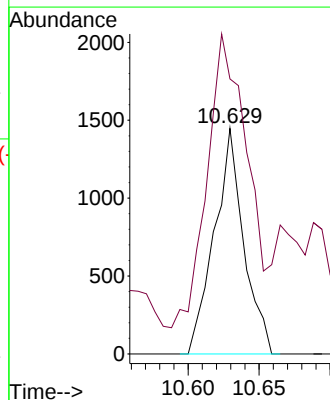
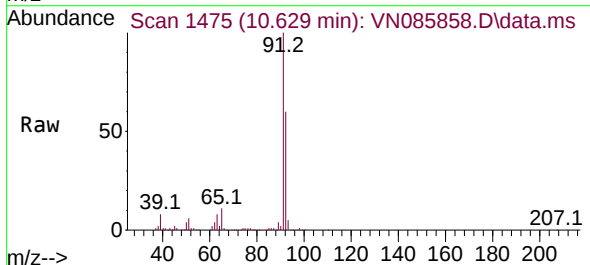
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0005DL

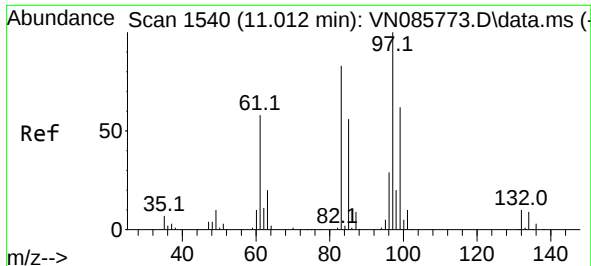
Tgt Ion: 92 Resp: 180587
Ion Ratio Lower Upper
92 100
91 172.3 136.9 205.3



#53
t-1,3-Dichloropropene
Concen: 0.401 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.200 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

Tgt Ion: 75 Resp: 2085
Ion Ratio Lower Upper
75 100
77 102.2 25.4 38.0#

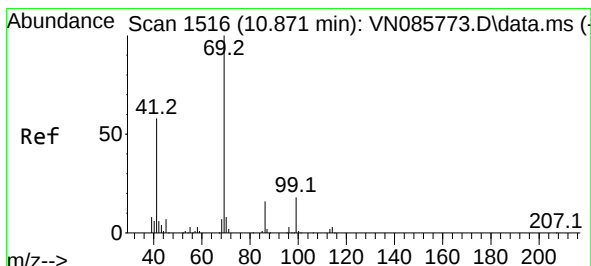
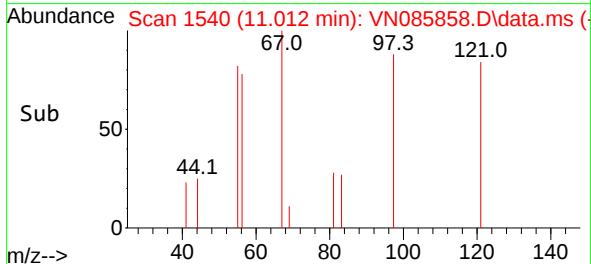
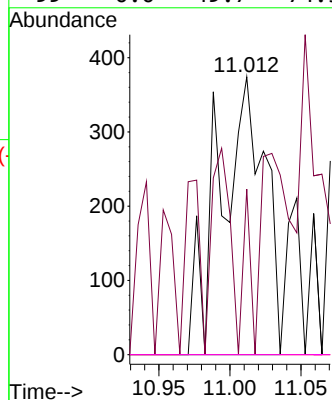
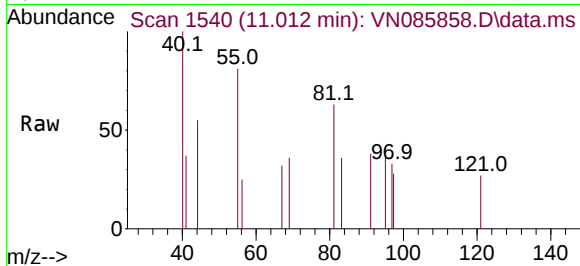




#55
1,1,2-Trichloroethane
Concen: 0.230 ug/l
RT: 11.012 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

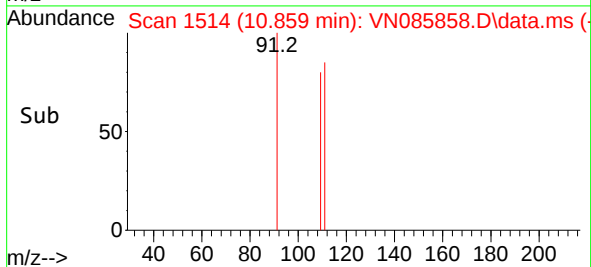
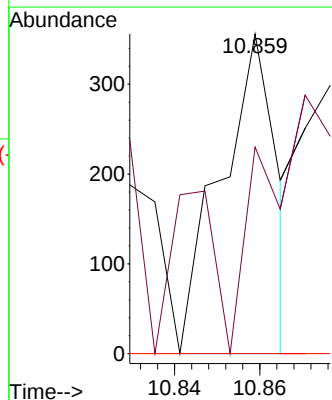
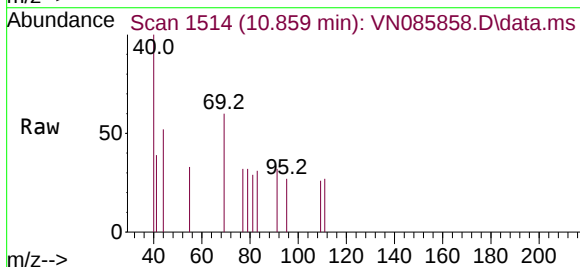
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0005DL

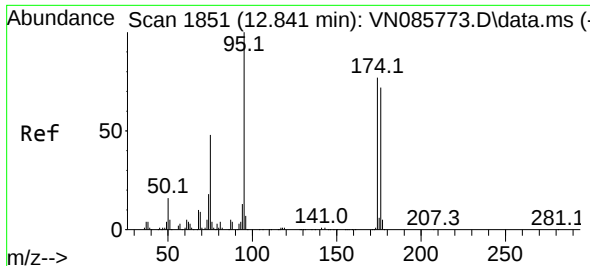
Tgt Ion:	97	Resp:	827
Ion	Ratio	Lower	Upper
97	100		
83	59.6	66.1	99.1#
85	0.0	44.7	67.1#
99	0.0	49.7	74.5#



#56
Ethyl methacrylate
Concen: 0.531 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. -0.012 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

Tgt Ion:	69	Resp:	329
Ion	Ratio	Lower	Upper
69	100		
41	122.2	46.0	69.0#
39	0.0	22.0	33.0#

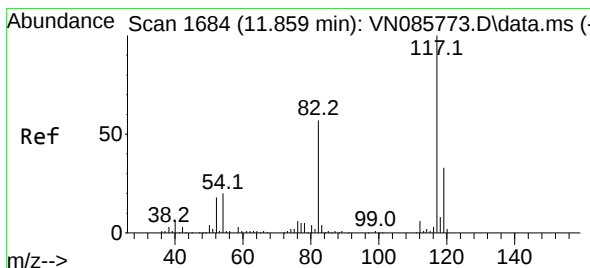
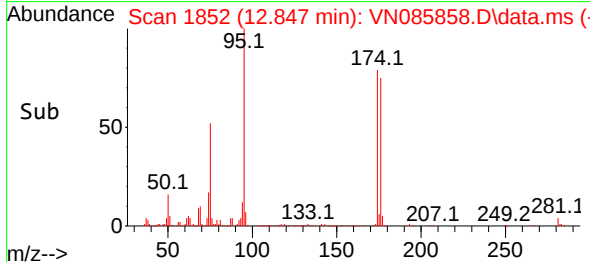
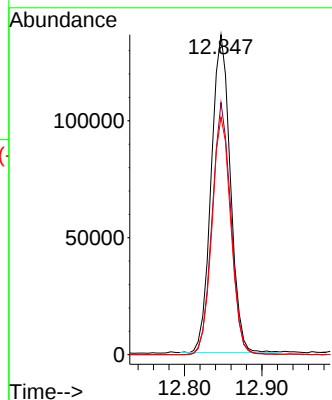
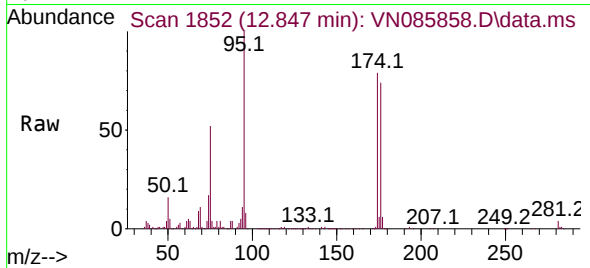




#62
4-Bromofluorobenzene
Concen: 57.012 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

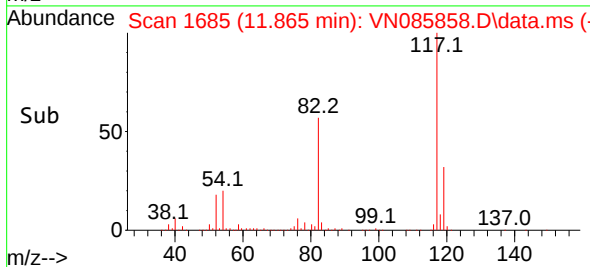
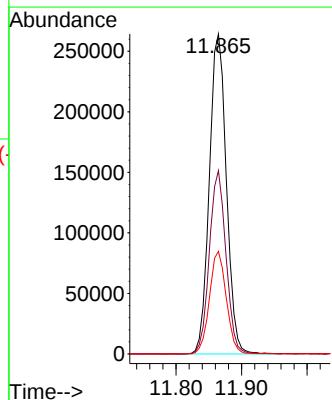
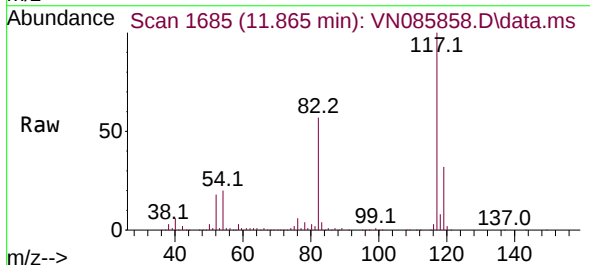
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0005DL

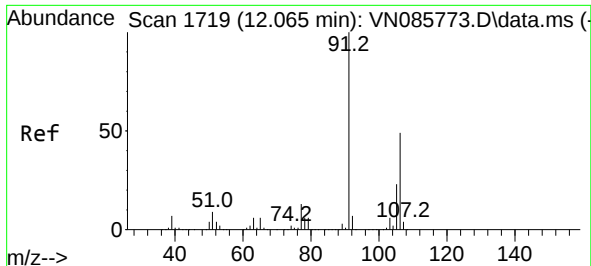
Tgt Ion: 95 Resp: 232845
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.4
176 74.2 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

Tgt Ion: 117 Resp: 477297
Ion Ratio Lower Upper
117 100
82 57.3 45.7 68.5
119 32.1 26.2 39.2

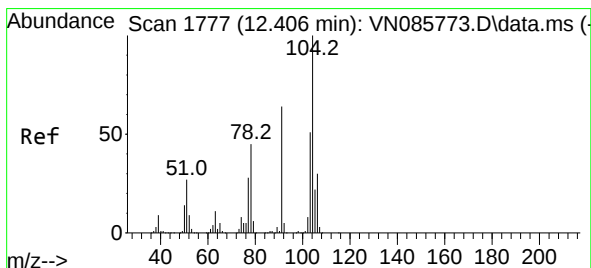
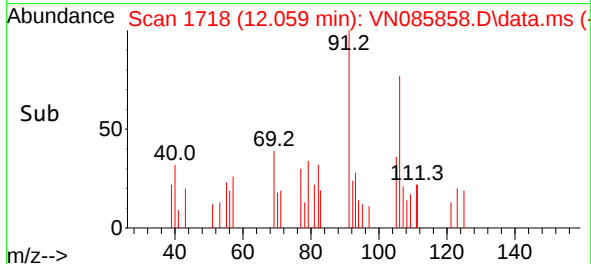
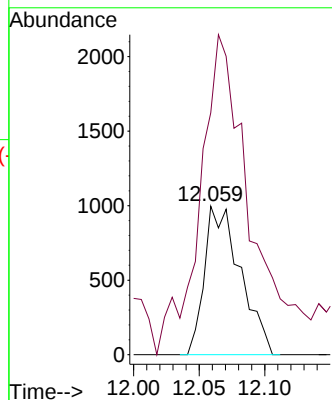
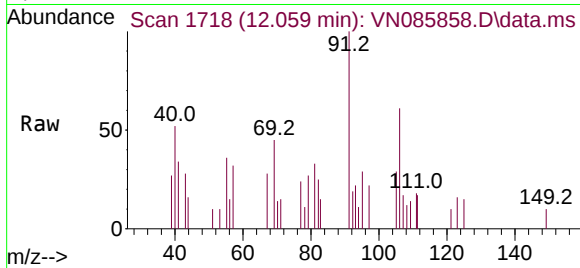




#68
m/p-Xylenes
Concen: 0.292 ug/l
RT: 12.059 min Scan# 1718
Delta R.T. -0.006 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

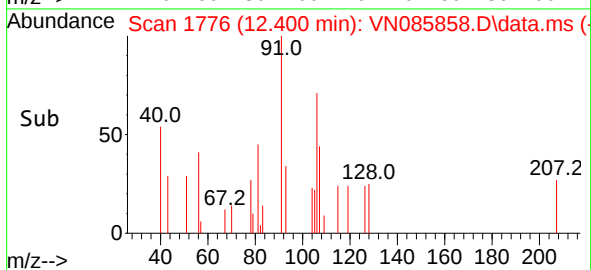
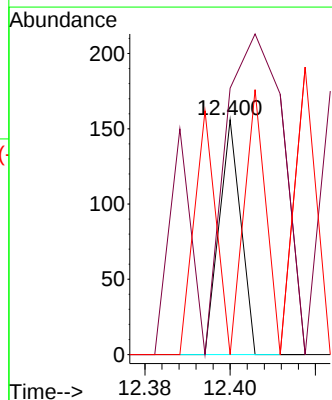
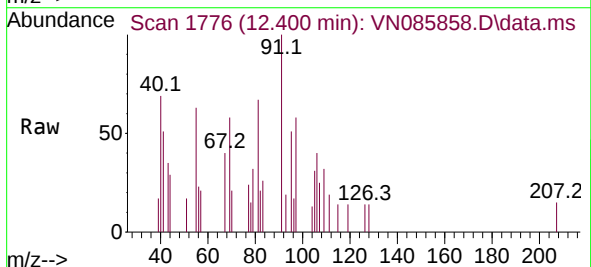
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0005DL

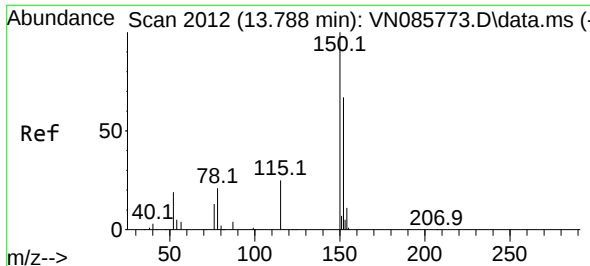
Tgt Ion:106 Resp: 1897
Ion Ratio Lower Upper
106 100
91 305.1 163.3 244.9#



#70
Styrene
Concen: 0.590 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

Tgt Ion:104 Resp: 55
Ion Ratio Lower Upper
104 100
78 569.1 39.0 58.6#
103 103.6 43.3 64.9#

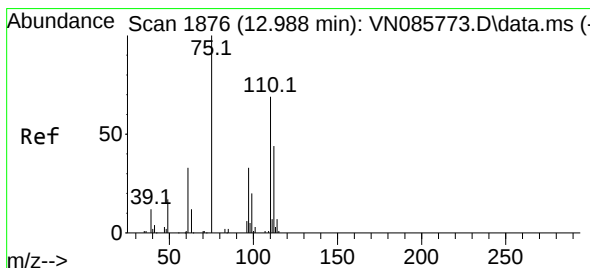
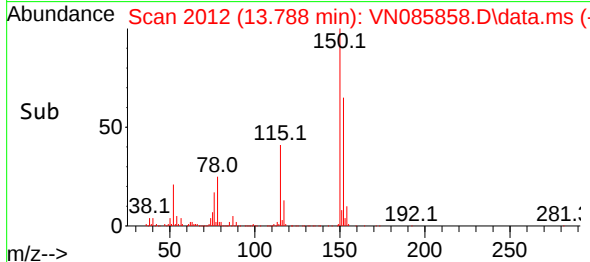
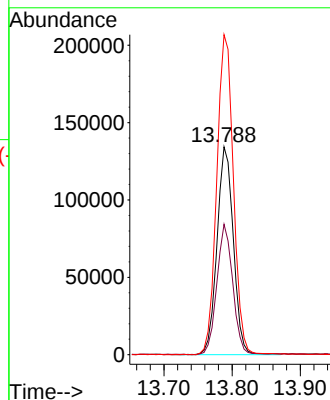
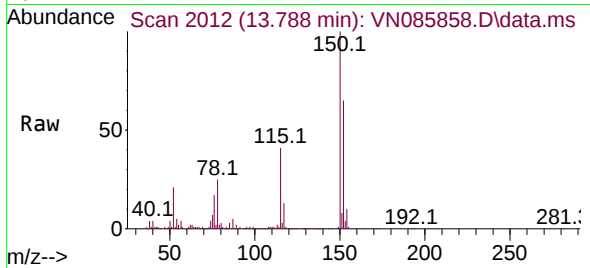




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085858.D
 Acq: 25 Feb 2025 15:37

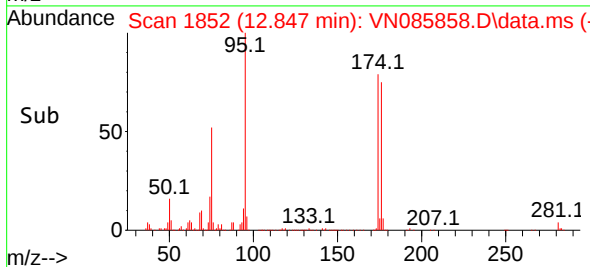
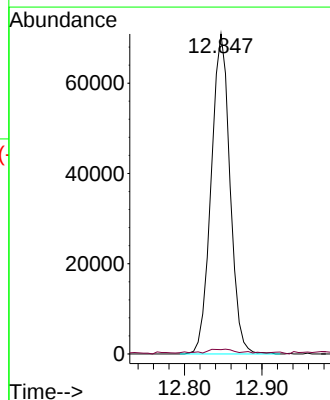
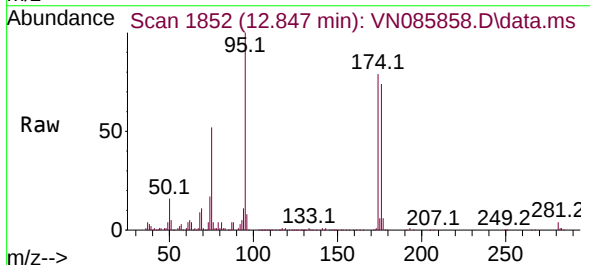
Instrument :
 MSVOA_N
 ClientSampleId :
 BEL-25-0005DL

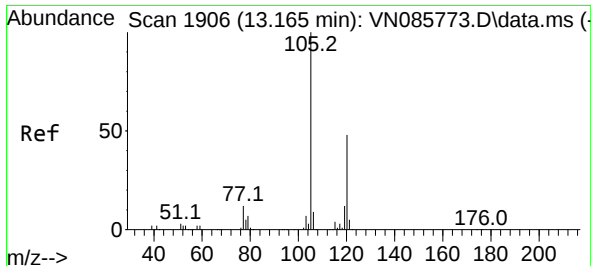
Tgt Ion:152 Resp: 224355
 Ion Ratio Lower Upper
 152 100
 115 61.1 30.4 91.3
 150 156.6 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 24.012 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085858.D
 Acq: 25 Feb 2025 15:37

Tgt Ion: 75 Resp: 119667
 Ion Ratio Lower Upper
 75 100
 77 2.0 100.0 300.0#

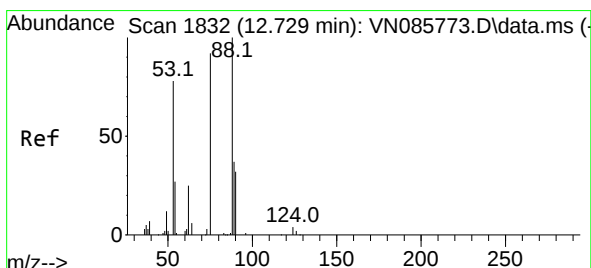
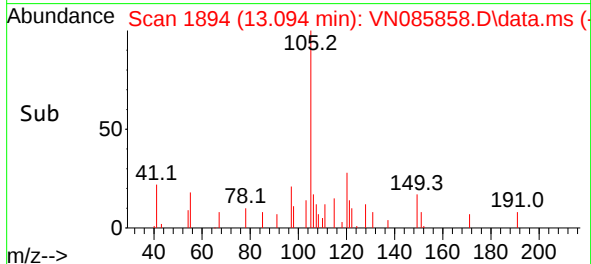
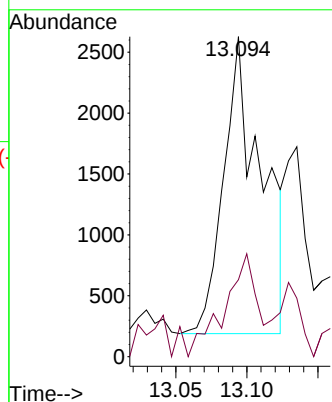
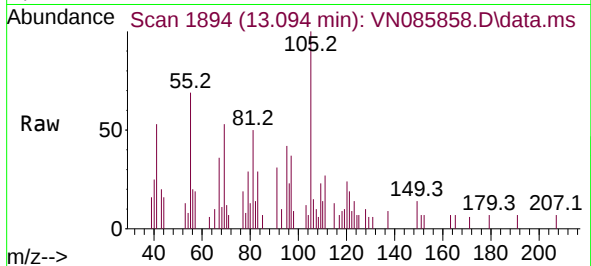




#80
1,3,5-Trimethylbenzene
Concen: 0.360 ug/l
RT: 13.094 min Scan# 11
Delta R.T. -0.071 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

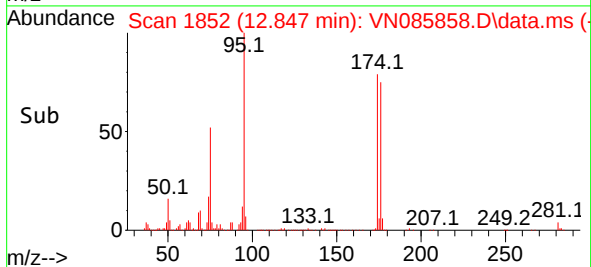
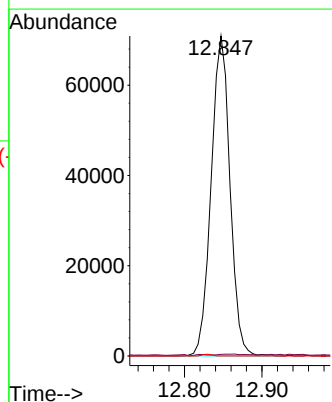
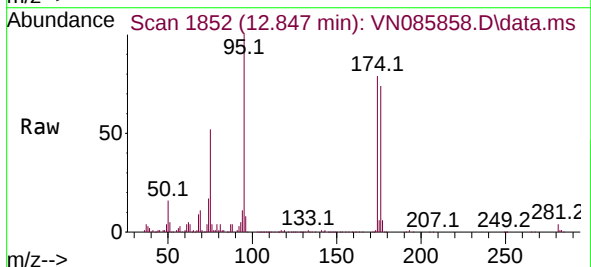
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0005DL

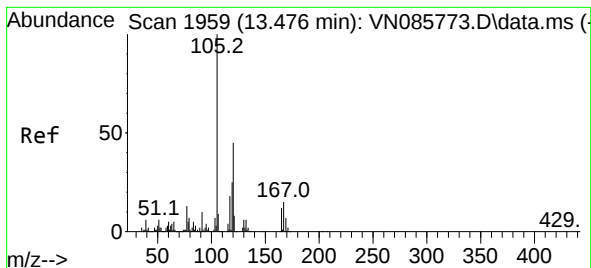
Tgt Ion:105 Resp: 4510
Ion Ratio Lower Upper
105 100
120 29.3 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 70.061 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

Tgt Ion: 75 Resp: 119667
Ion Ratio Lower Upper
75 100
53 0.4 74.2 111.4#
89 0.0 34.9 52.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.428 ug/l

RT: 13.482 min Scan# 1959

Delta R.T. 0.006 min

Lab File: VN085858.D

Acq: 25 Feb 2025 15:37

Instrument :

MSVOA_N

ClientSampleId :

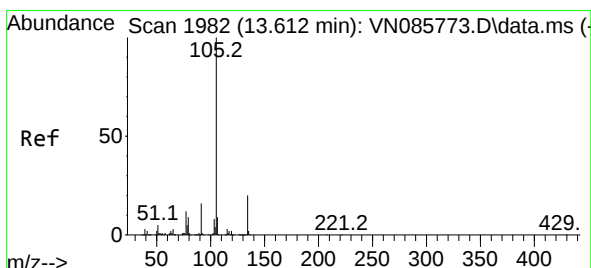
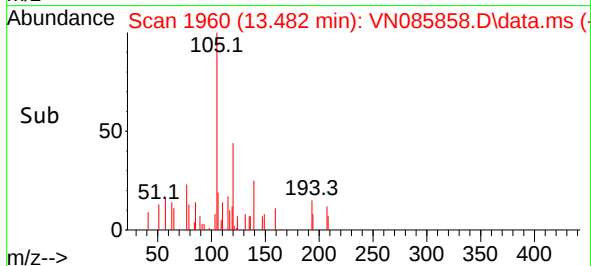
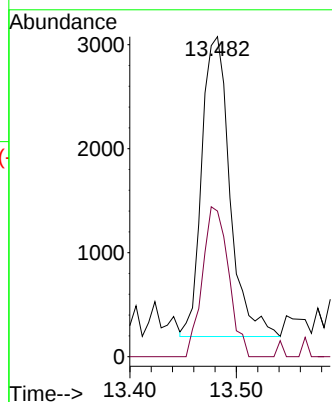
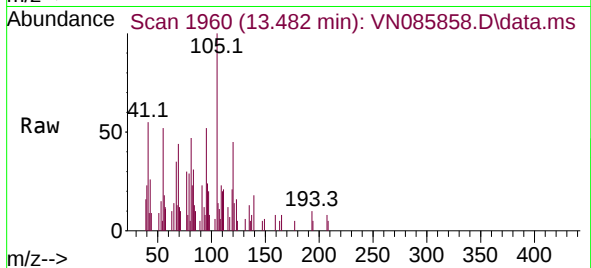
BEL-25-0005DL

Tgt Ion:105 Resp: 5301

Ion Ratio Lower Upper

105 100

120 46.2 22.4 67.3



#85

sec-Butylbenzene

Concen: 0.203 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN085858.D

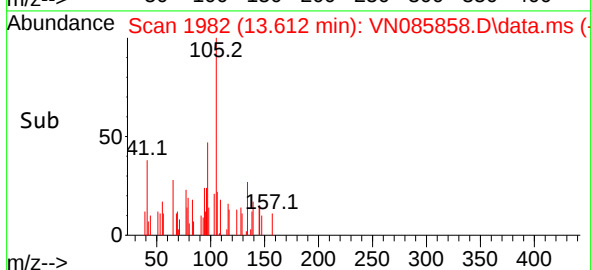
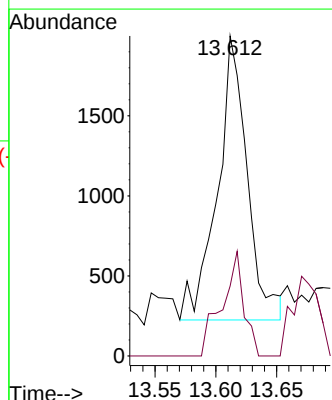
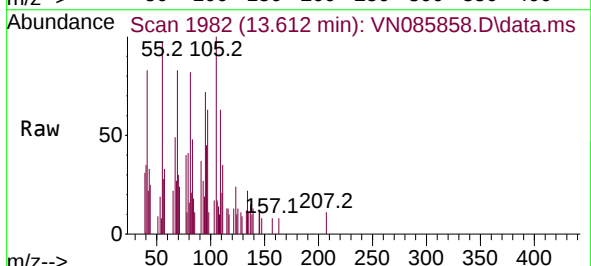
Acq: 25 Feb 2025 15:37

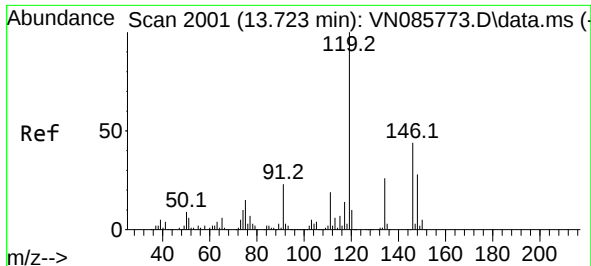
Tgt Ion:105 Resp: 3024

Ion Ratio Lower Upper

105 100

134 27.2 9.8 29.4

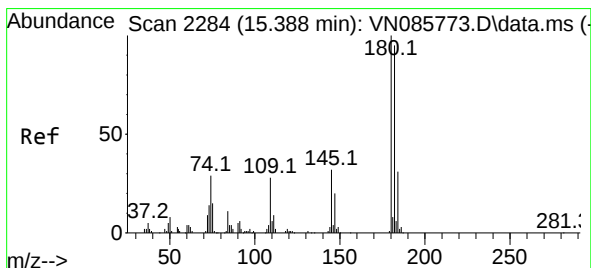
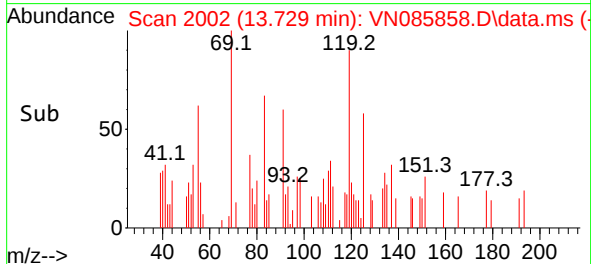
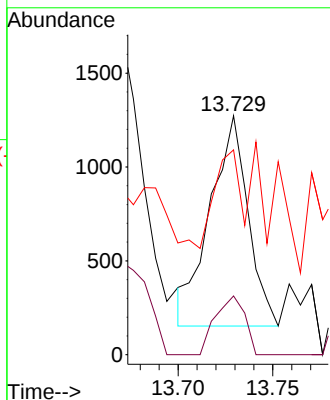
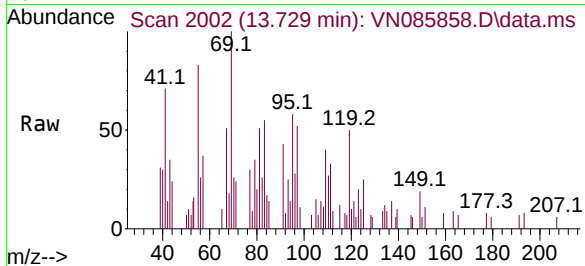




#86
p-Isopropyltoluene
Concen: 0.747 ug/l
RT: 13.729 min Scan# 2001
Delta R.T. 0.006 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

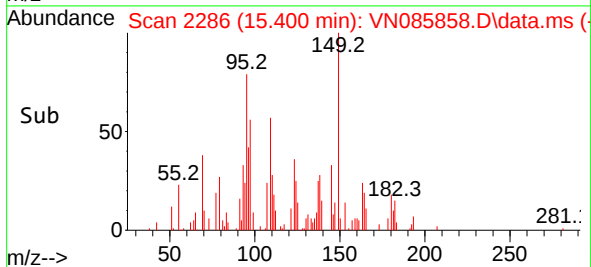
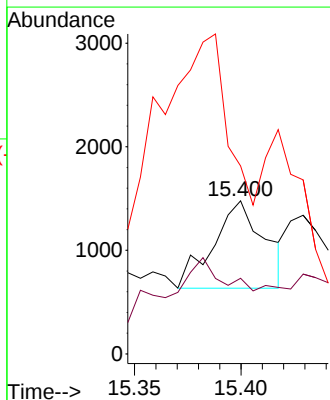
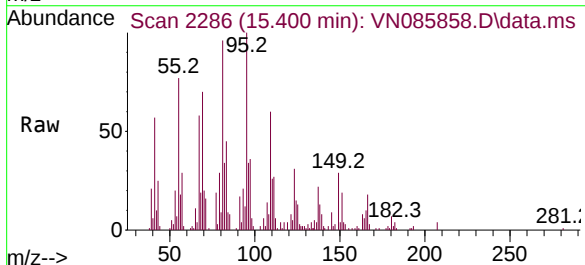
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0005DL

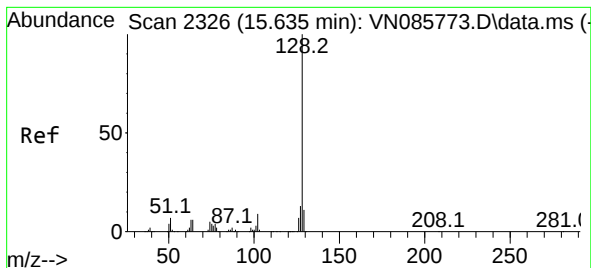
Tgt Ion:119 Resp: 1553
Ion Ratio Lower Upper
119 100
134 21.8 13.0 39.0
91 31.1 11.7 35.1



#93
1,2,4-Trichlorobenzene
Concen: 0.395 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.012 min
Lab File: VN085858.D
Acq: 25 Feb 2025 15:37

Tgt Ion:180 Resp: 1408
Ion Ratio Lower Upper
180 100
182 118.7 47.3 141.9
145 597.2 16.2 48.5#





#95

Naphthalene

Concen: 0.259 ug/l

RT: 15.629 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN085858.D

Acq: 25 Feb 2025 15:37

Instrument :

MSVOA_N

ClientSampleId :

BEL-25-0005DL

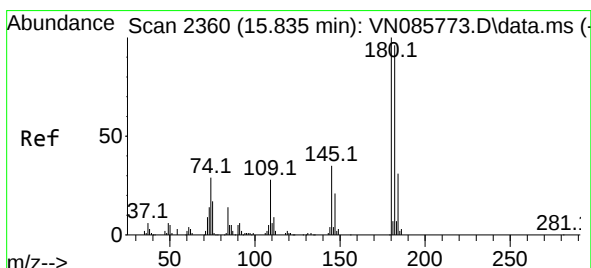
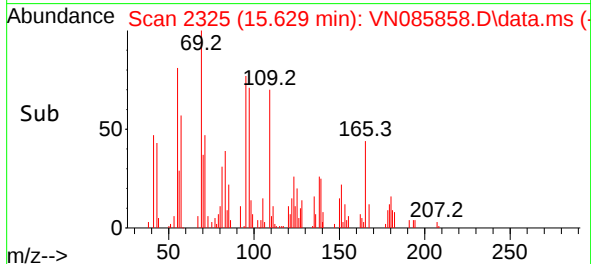
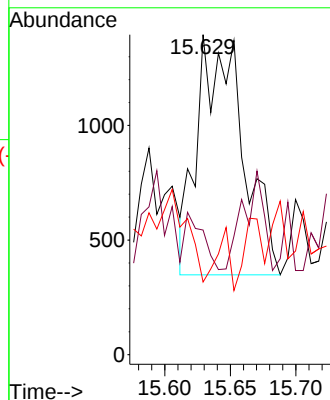
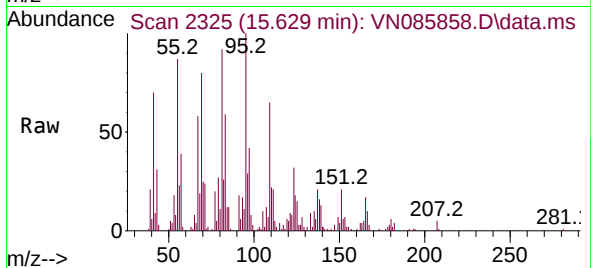
Tgt Ion:128 Resp: 2533

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 7.4 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.503 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.018 min

Lab File: VN085858.D

Acq: 25 Feb 2025 15:37

Tgt Ion:180 Resp: 8958

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.8#

145 0.0 16.9 50.6#

