

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
 Data File : VN085971.D
 Acq On : 13 Mar 2025 11:14
 Operator : JC\MD
 Sample : VN0313MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBL01

Quant Time: Mar 14 00:27:19 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)

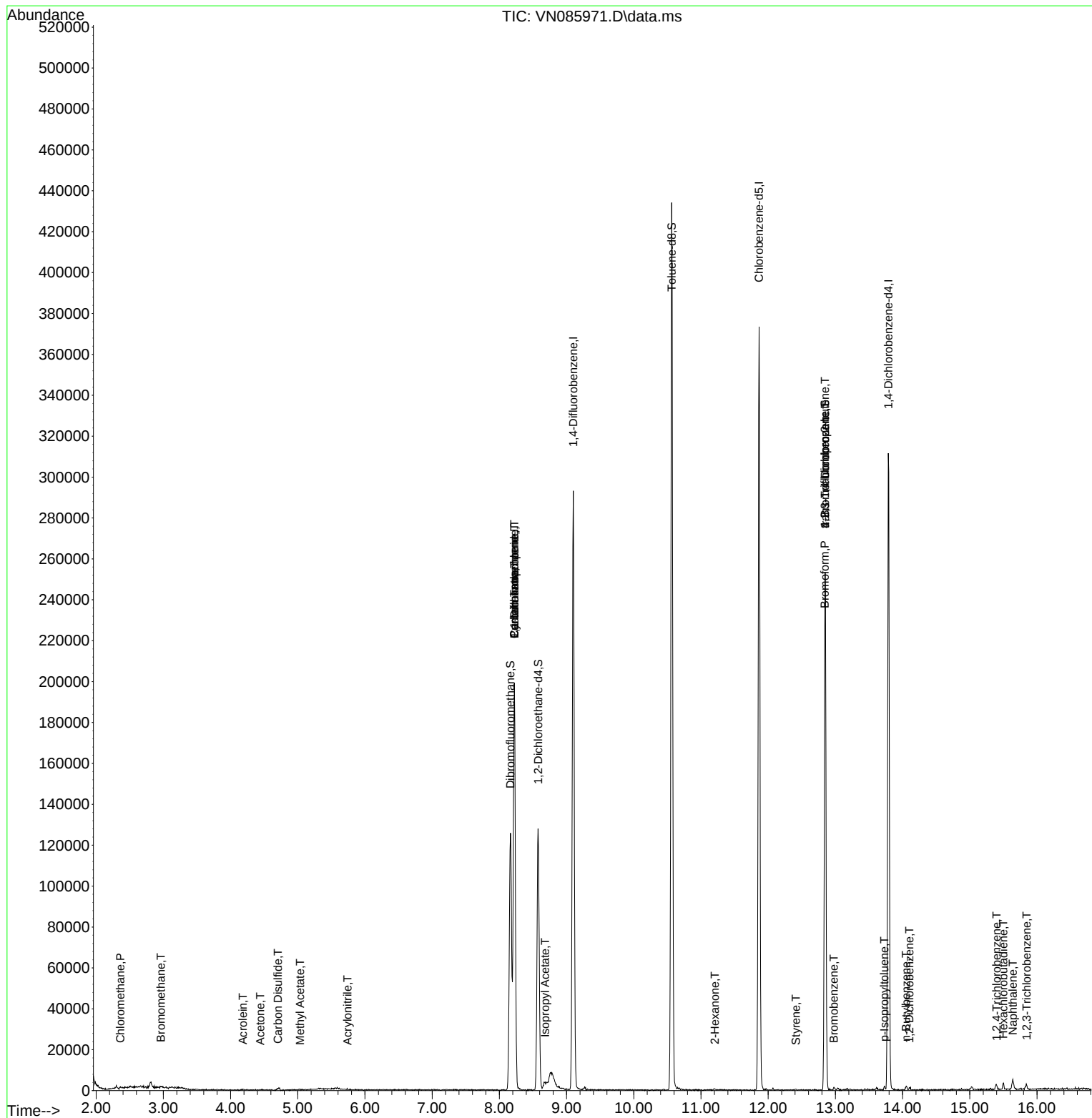
Internal Standards						
1) Pentafluorobenzene	8.224	168	137155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	251620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	219283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	110442	62.110	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 124.220%	
35) Dibromofluoromethane	8.165	113	91448	55.542	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.080%	
50) Toluene-d8	10.565	98	301494	50.330	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.660%	
62) 4-Bromofluorobenzene	12.847	95	89654	45.424	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	703	0.376	ug/l #	41
5) Bromomethane	2.965	94	471	0.372	ug/l #	62
13) Acrolein	4.183	56	182	0.561	ug/l #	64
15) Acrylonitrile	5.741	53	229	0.322	ug/l #	69
16) Acetone	4.441	43	224	0.398	ug/l #	40
17) Carbon Disulfide	4.706	76	1813	0.407	ug/l #	75
18) Methyl Acetate	5.036	43	421	0.218	ug/l #	47
31) Cyclohexane	8.224	56	2922	1.151	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	11234	4.821	ug/l #	51
38) Carbon Tetrachloride	8.224	117	15112	5.458	ug/l #	22
43) Isopropyl Acetate	8.682	43	2527	0.207	ug/l #	53
59) 2-Hexanone	11.206	43	671	0.528	ug/l	69
70) Styrene	12.412	104	425	0.672	ug/l #	26
71) Bromoform	12.841	173	383	0.285	ug/l #	27
76) 1,2,3-Trichloropropane	12.847	75	45713	23.124	ug/l #	1
77) Bromobenzene	12.976	156	385	0.234	ug/l #	76
81) trans-1,4-Dichloro-2-b...	12.847	75	45713	67.470	ug/l #	13
86) p-Isopropyltoluene	13.729	119	783	0.780	ug/l #	61
89) n-Butylbenzene	14.053	91	1391	0.332	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	738	0.249	ug/l #	76
93) 1,2,4-Trichlorobenzene	15.400	180	1326	0.938	ug/l	91
94) Hexachlorobutadiene	15.500	225	815	0.948	ug/l	92
95) Naphthalene	15.641	128	5785	1.490	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.847	180	1415	0.997	ug/l #	88

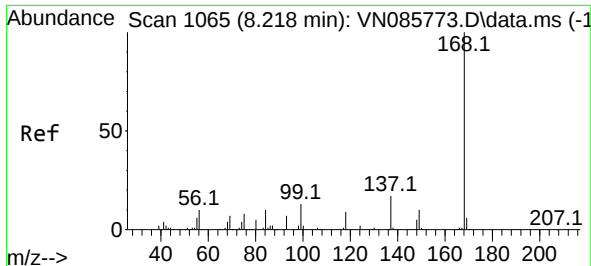
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

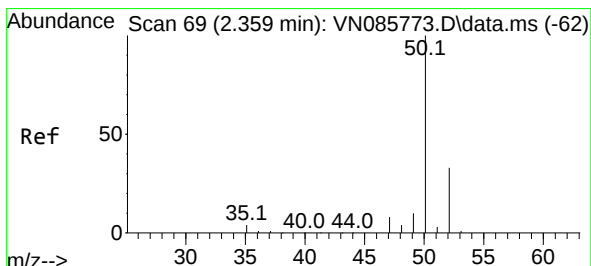
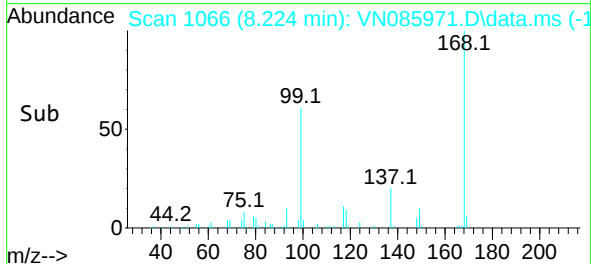
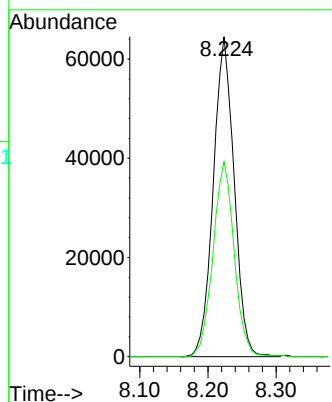
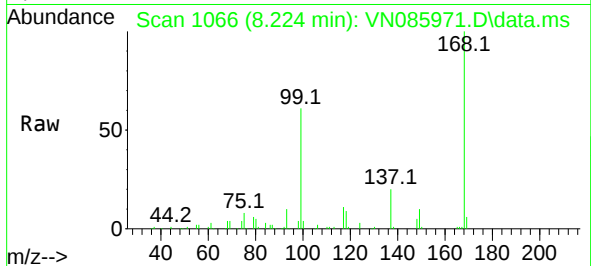




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

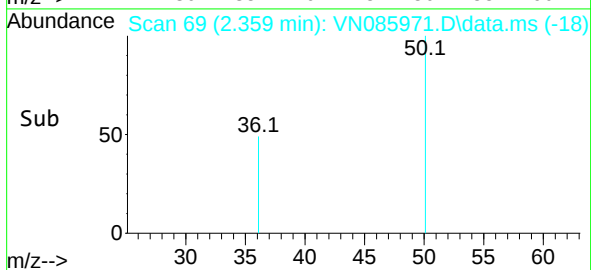
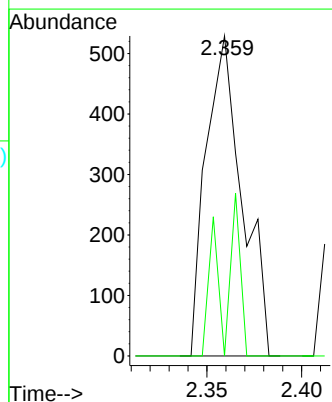
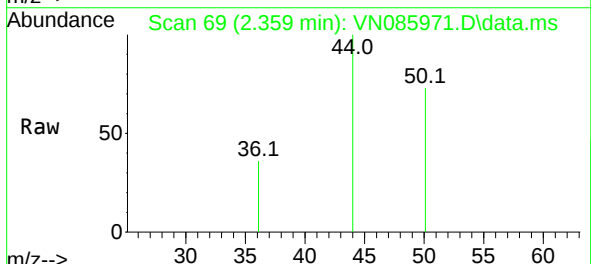
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

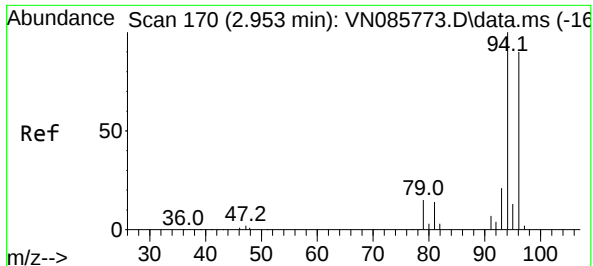
Tgt Ion:168 Resp: 137155
Ion Ratio Lower Upper
168 100
99 60.9 47.9 71.9



#3
Chloromethane
Concen: 0.376 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Tgt Ion: 50 Resp: 703
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

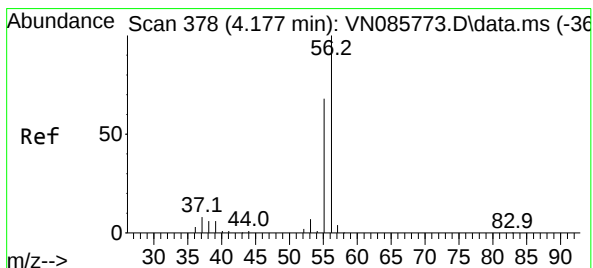
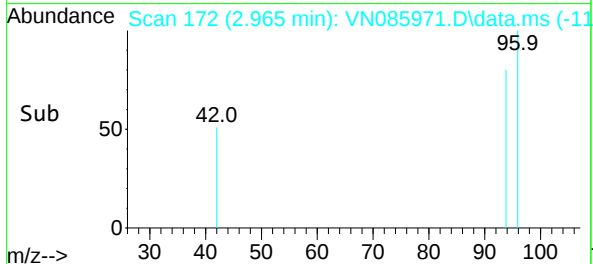
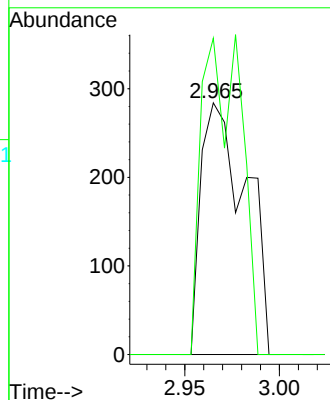
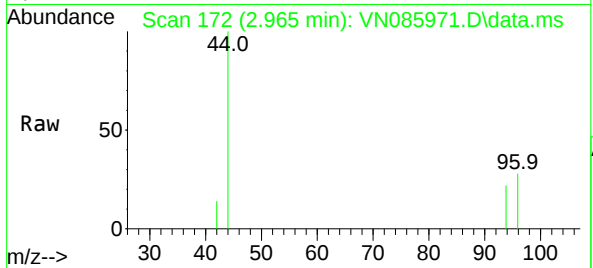




#5
Bromomethane
Concen: 0.372 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

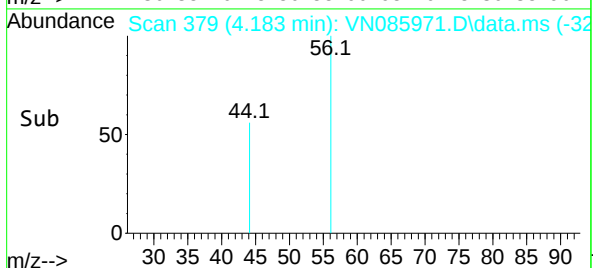
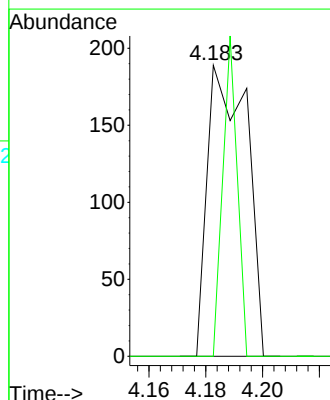
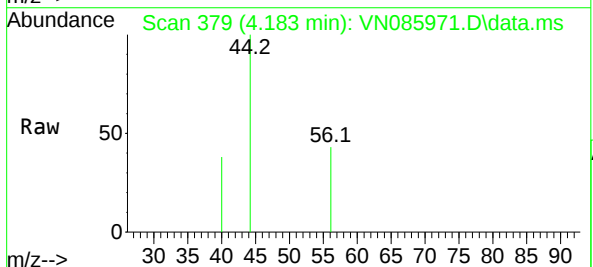
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

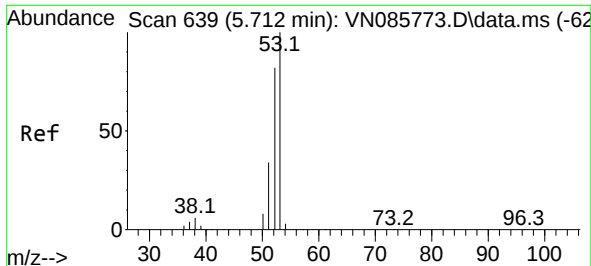
Tgt Ion: 94 Resp: 471
Ion Ratio Lower Upper
94 100
96 125.7 71.7 107.5#



#13
Acrolein
Concen: 0.561 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

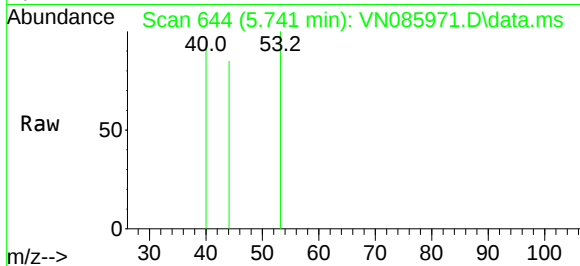
Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 40.1 55.3 82.9#



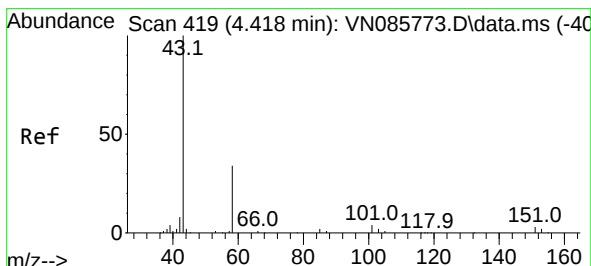
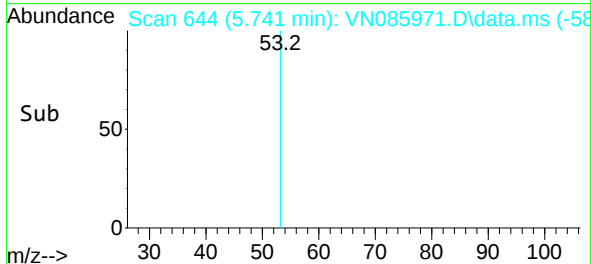
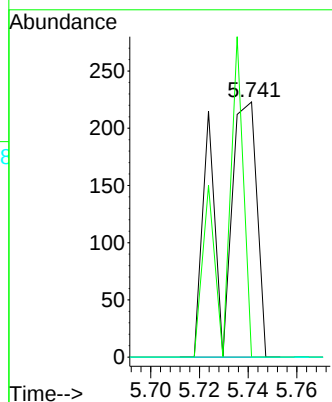


#15
Acrylonitrile
Concen: 0.322 ug/l
RT: 5.741 min Scan# 64
Delta R.T. 0.029 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

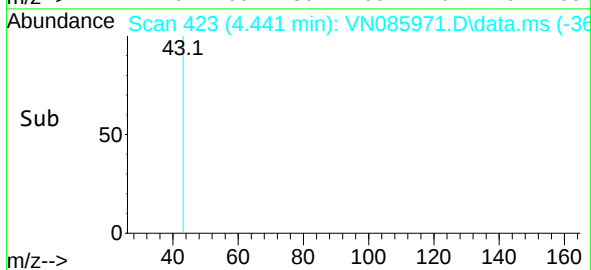
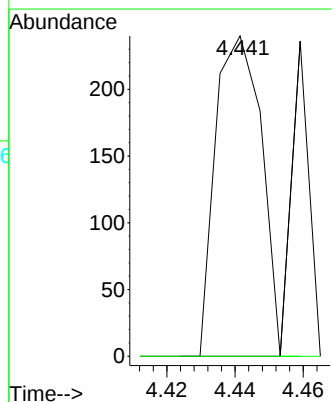
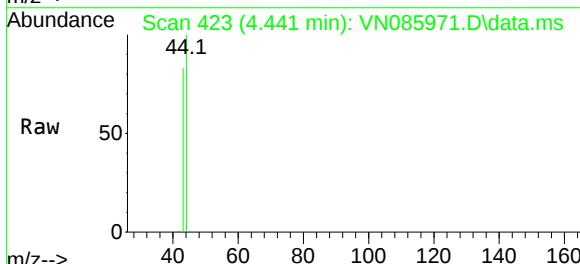


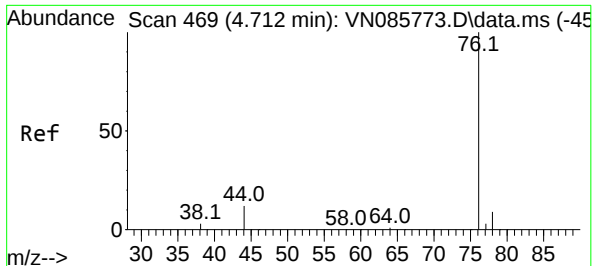
Tgt Ion: 53 Resp: 229
Ion Ratio Lower Upper
53 100
52 66.4 65.8 98.6
51 0.0 28.6 42.8#



#16
Acetone
Concen: 0.398 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.023 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Tgt Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#

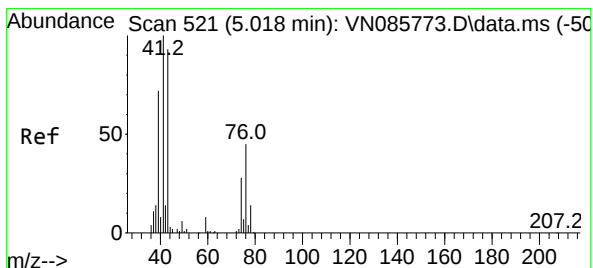
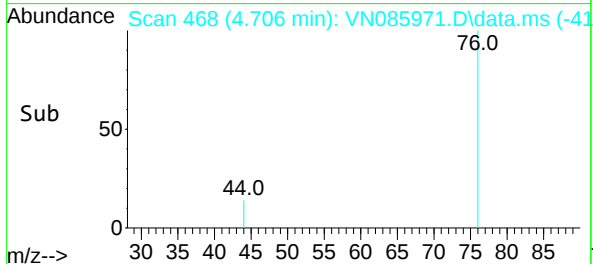
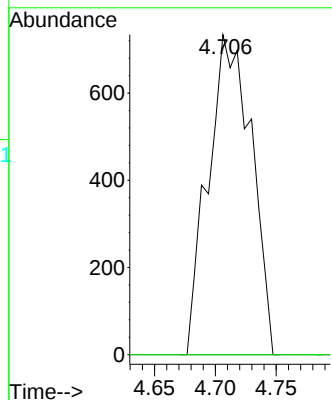
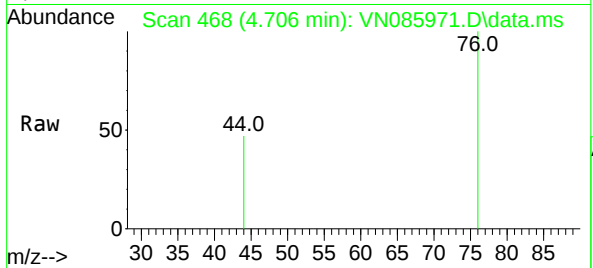




#17
Carbon Disulfide
Concen: 0.407 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

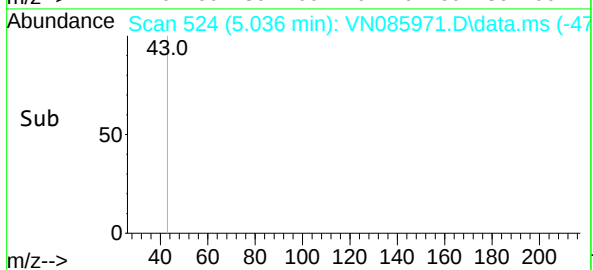
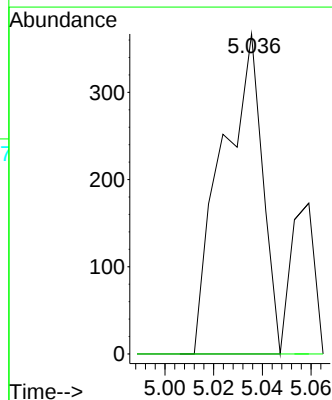
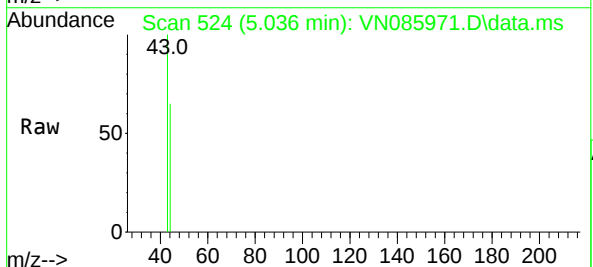
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

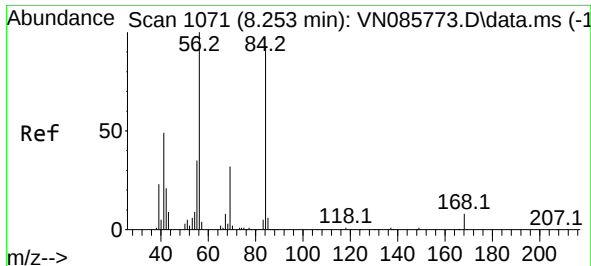
Tgt Ion: 76 Resp: 1813
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.017 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

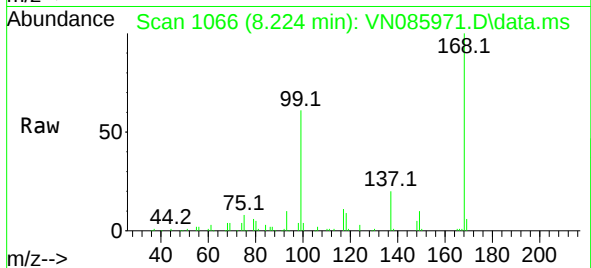
Tgt Ion: 43 Resp: 421
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



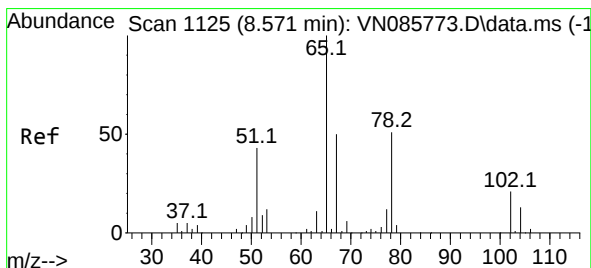
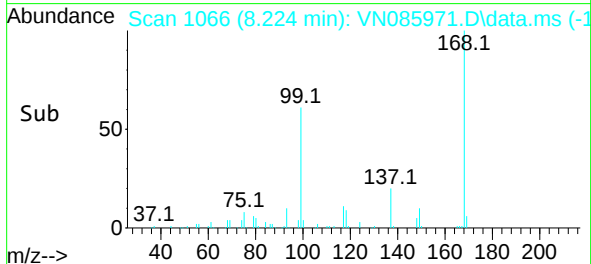
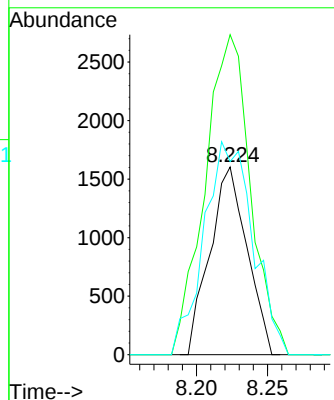


#31
Cyclohexane
Concen: 1.151 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

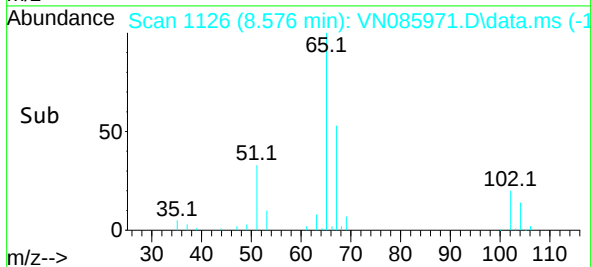
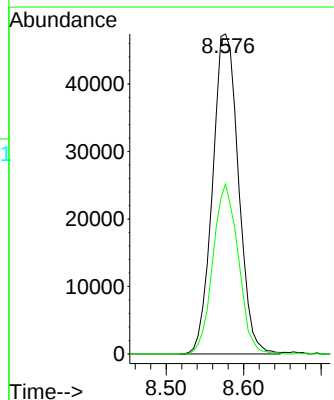
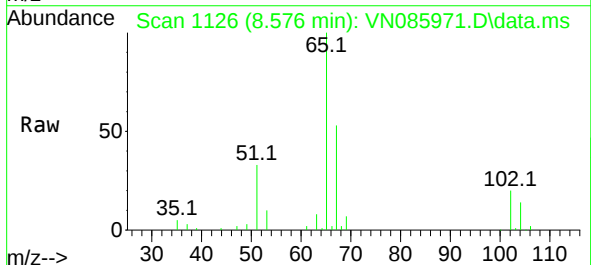


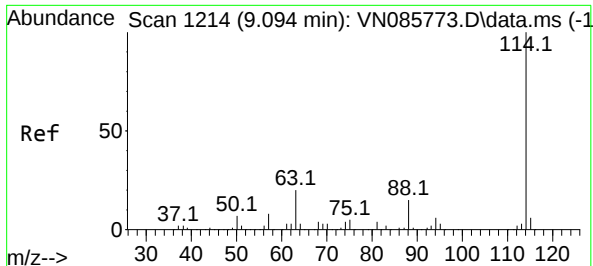
Tgt Ion: 56 Resp: 2922
Ion Ratio Lower Upper
56 100
69 158.0 25.8 38.6#
84 92.6 74.5 111.7



#33
1,2-Dichloroethane-d4
Concen: 62.110 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Tgt Ion: 65 Resp: 110442
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085971.D

Acq: 13 Mar 2025 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBL01

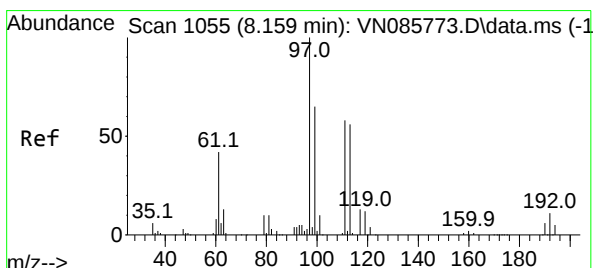
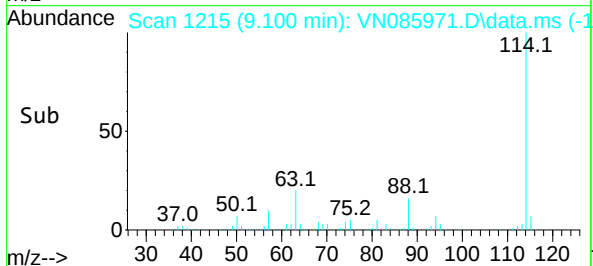
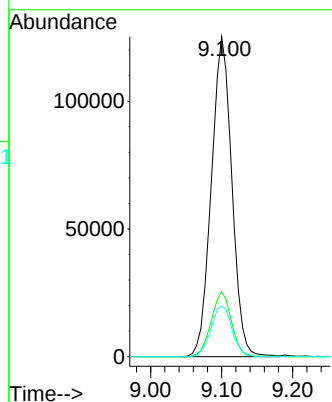
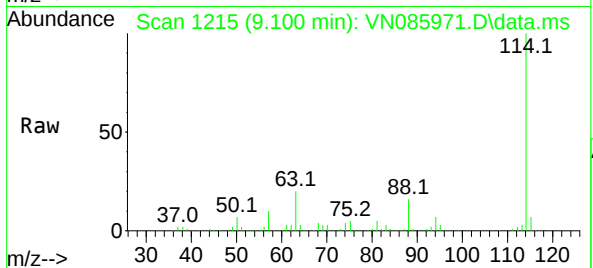
Tgt Ion:114 Resp: 251620

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.2

88 15.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.542 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085971.D

Acq: 13 Mar 2025 11:14

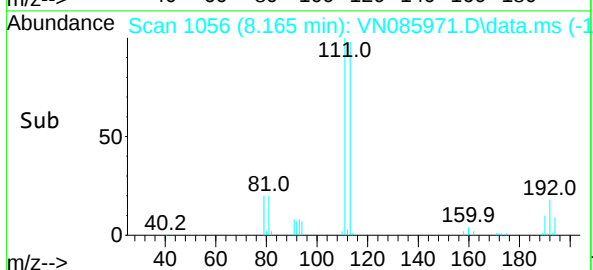
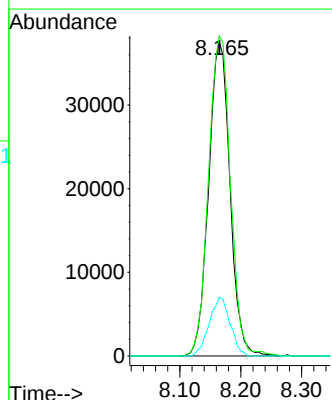
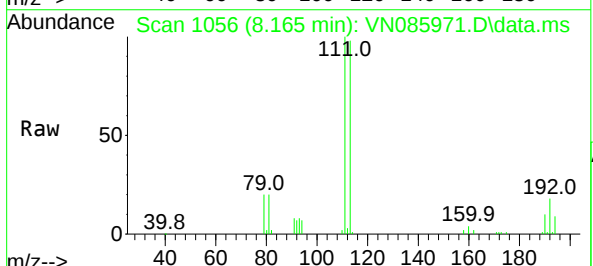
Tgt Ion:113 Resp: 91448

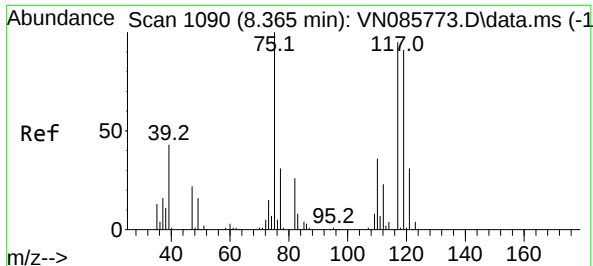
Ion Ratio Lower Upper

113 100

111 105.3 82.2 123.4

192 18.3 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.821 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085971.D

Acq: 13 Mar 2025 11:14

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VN0313MBL01

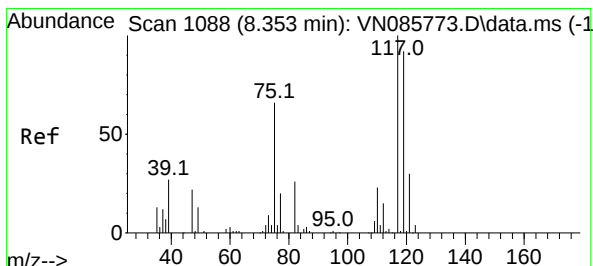
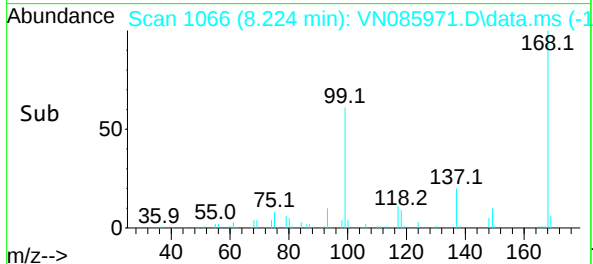
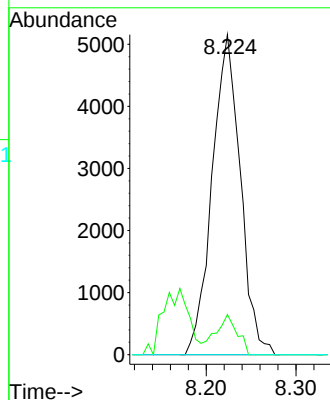
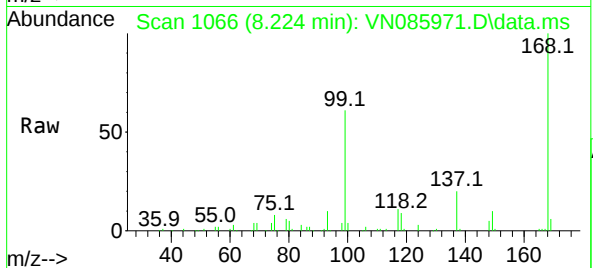
Tgt Ion: 75 Resp: 11234

Ion Ratio Lower Upper

75 100

110 9.7 17.3 52.0#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.458 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.130 min

Lab File: VN085971.D

Acq: 13 Mar 2025 11:14

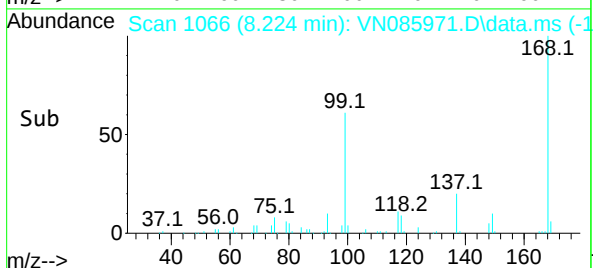
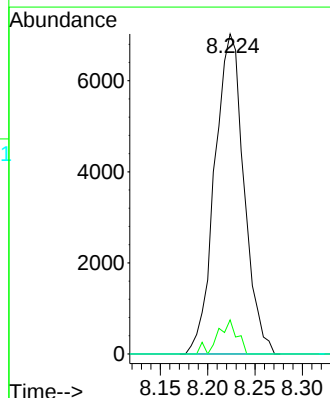
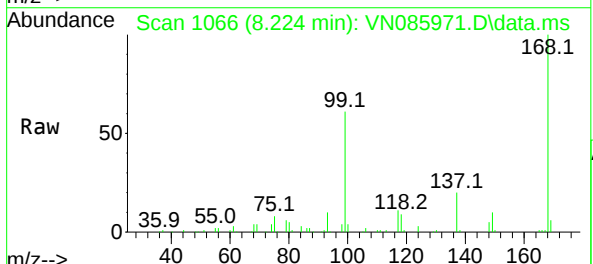
Tgt Ion: 117 Resp: 15112

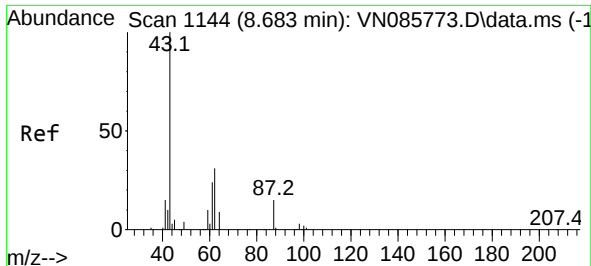
Ion Ratio Lower Upper

117 100

119 10.6 73.8 110.6#

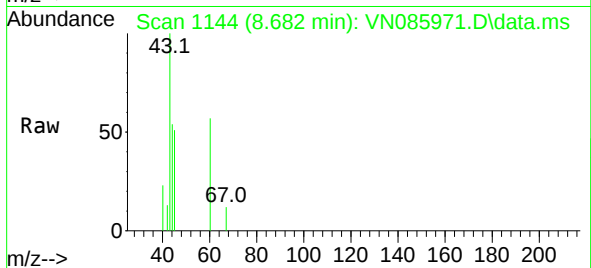
121 0.0 24.3 36.5#



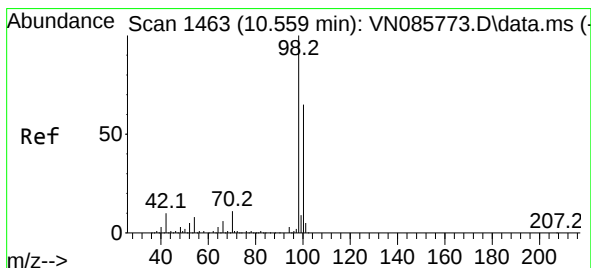
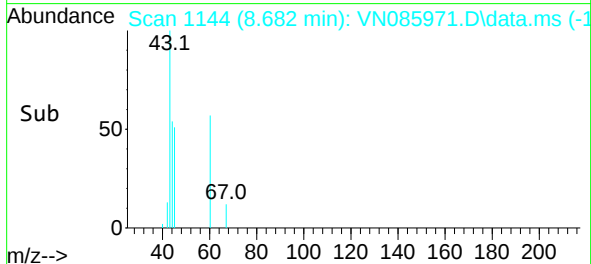
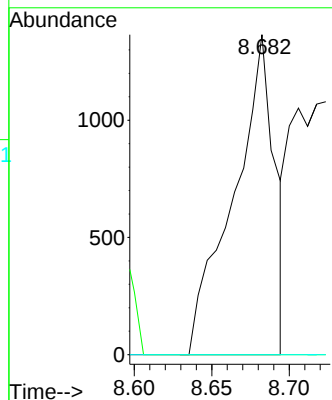


#43
Isopropyl Acetate
Concen: 0.207 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

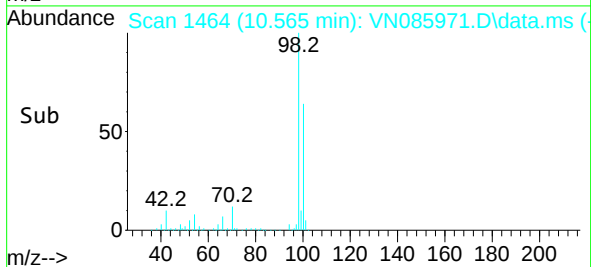
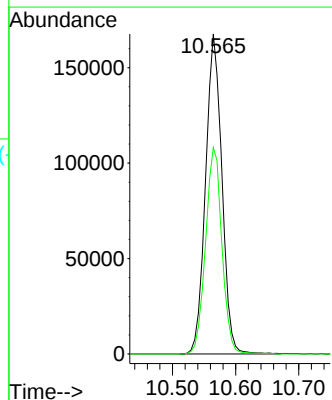
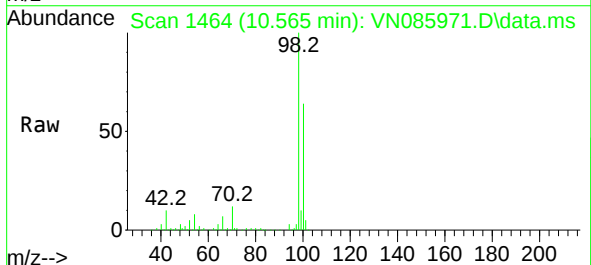


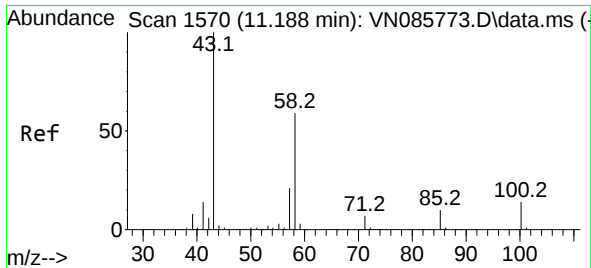
Tgt Ion: 43 Resp: 2527
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#



#50
Toluene-d8
Concen: 50.330 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Tgt Ion: 98 Resp: 301494
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1

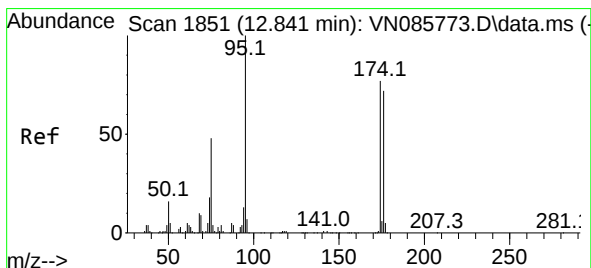
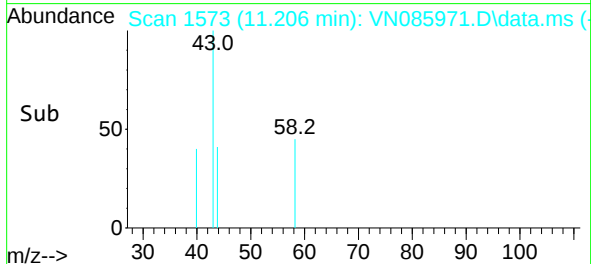
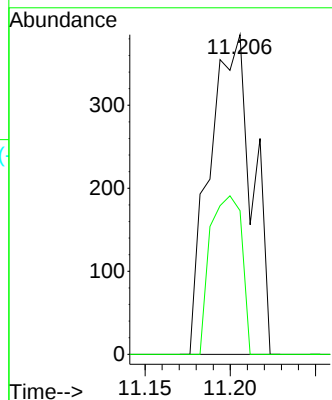
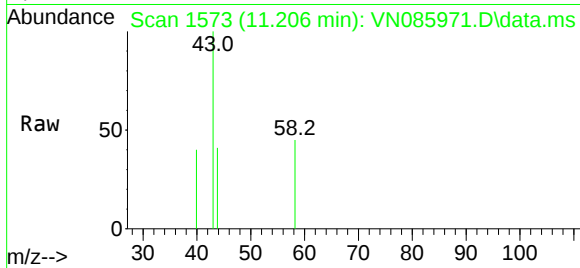




#59
2-Hexanone
Concen: 0.528 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

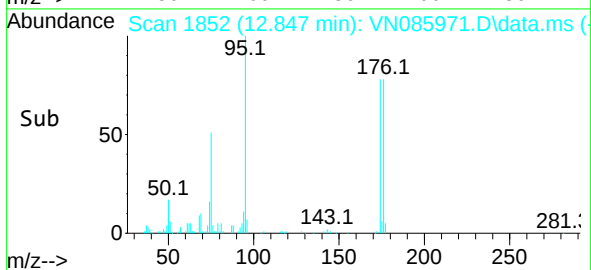
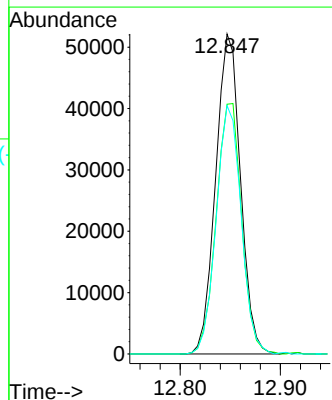
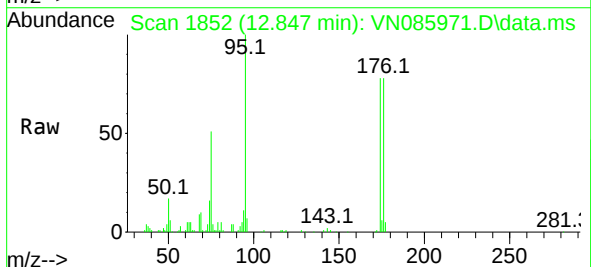
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

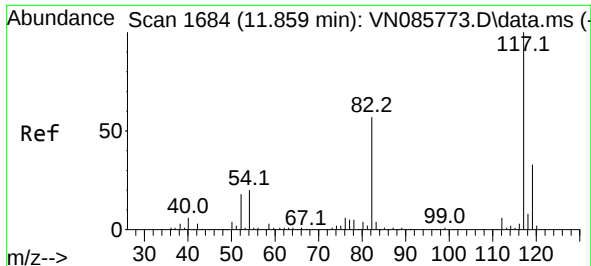
Tgt Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
58 36.7 29.8 89.5



#62
4-Bromofluorobenzene
Concen: 45.424 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Tgt Ion: 95 Resp: 89654
Ion Ratio Lower Upper
95 100
174 80.1 0.0 152.4
176 78.0 0.0 146.6

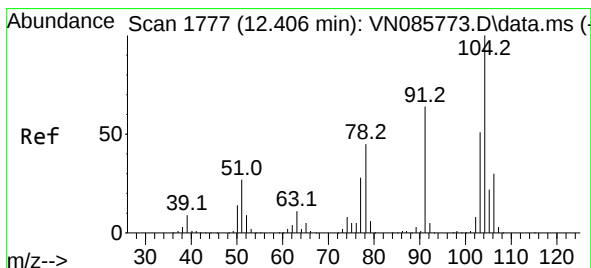
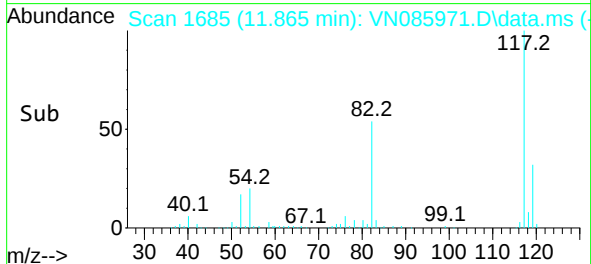
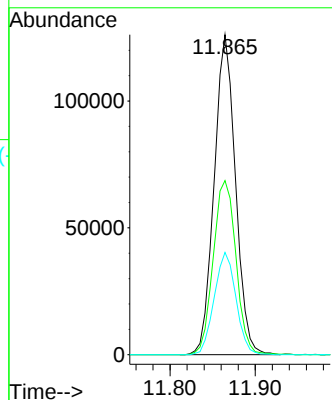
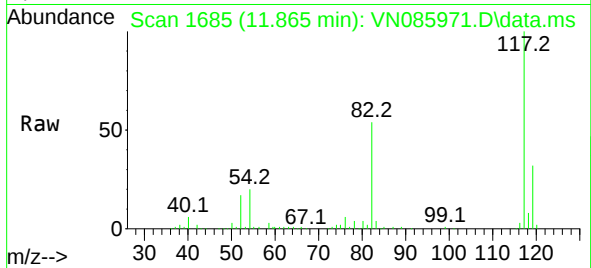




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

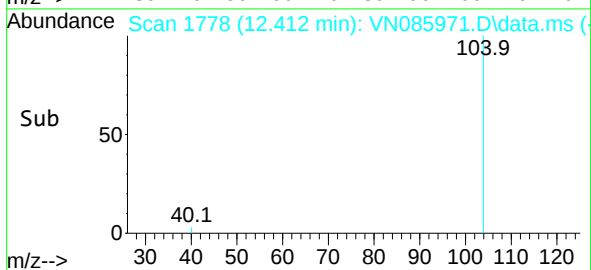
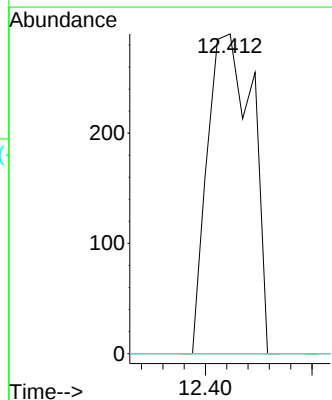
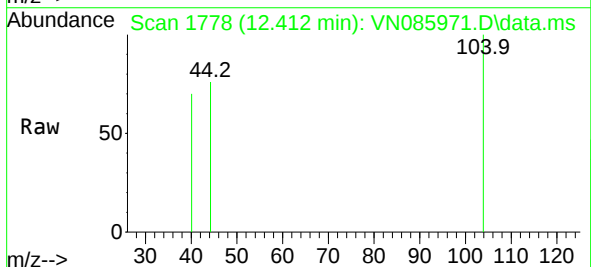
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

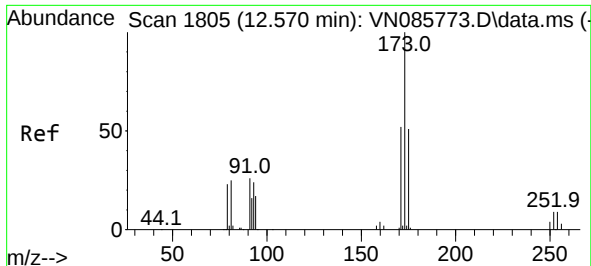
Tgt Ion:117 Resp: 219283
Ion Ratio Lower Upper
117 100
82 54.4 45.7 68.5
119 32.0 26.2 39.2



#70
Styrene
Concen: 0.672 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Tgt Ion:104 Resp: 425
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#

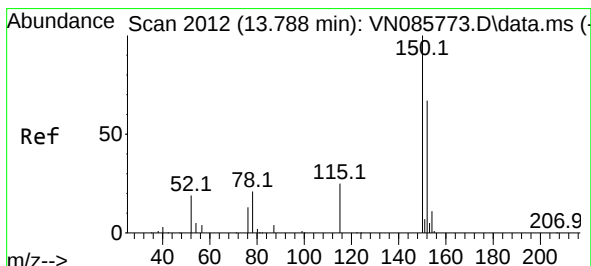
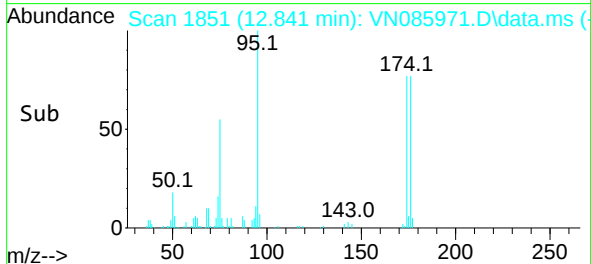
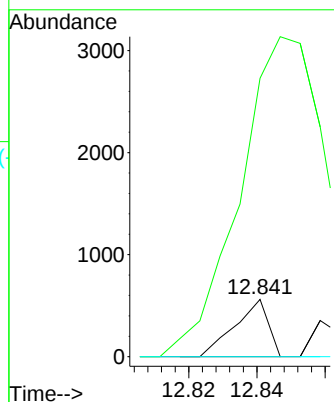
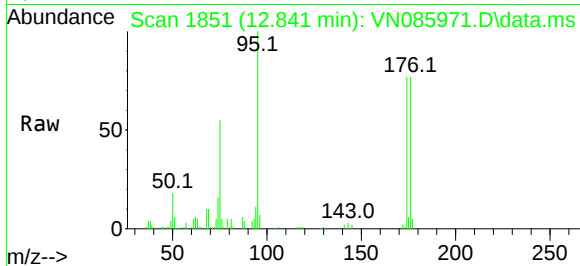




#71
Bromoform
Concen: 0.285 ug/l
RT: 12.841 min Scan# 1805
Delta R.T. 0.270 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

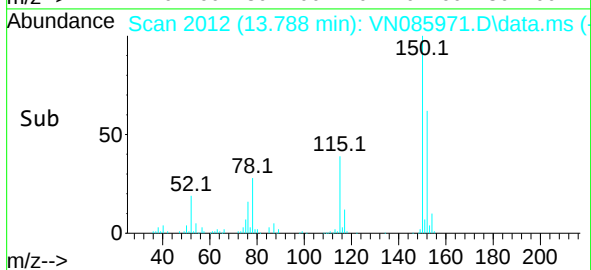
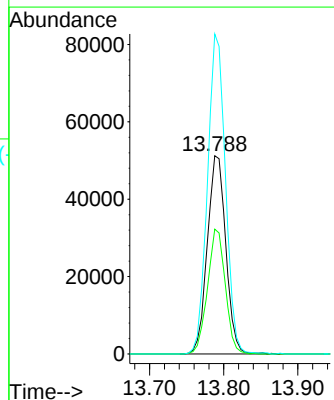
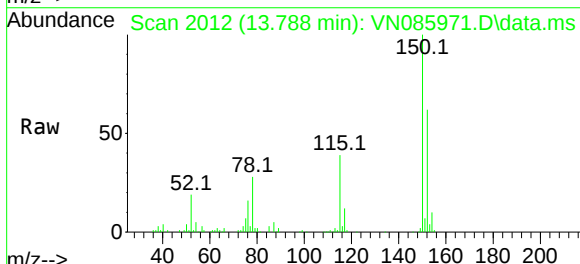
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

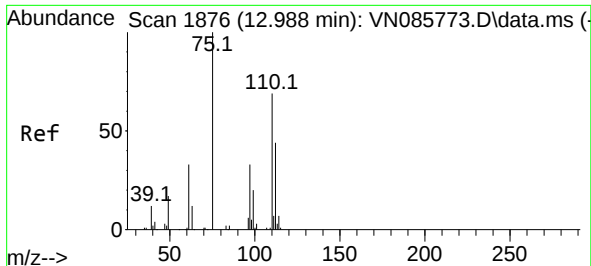
Tgt Ion:173 Resp: 383
Ion Ratio Lower Upper
173 100
175 0.0 25.1 75.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Tgt Ion:152 Resp: 88994
Ion Ratio Lower Upper
152 100
115 60.5 30.4 91.3
150 156.6 0.0 345.4

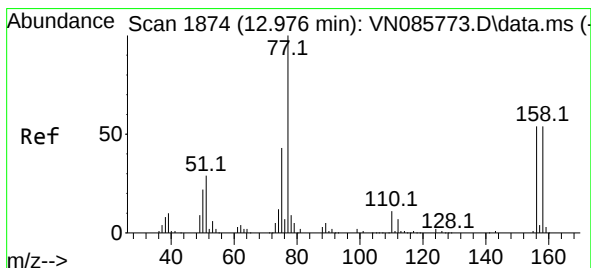
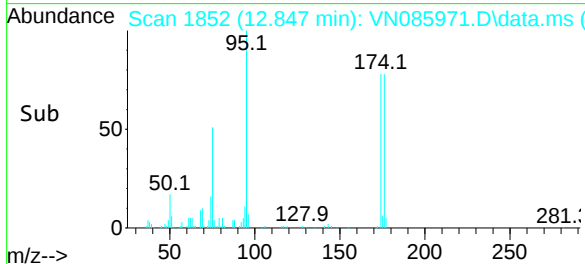
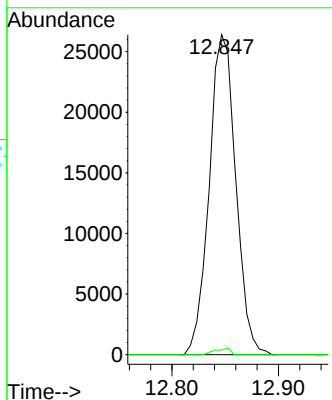
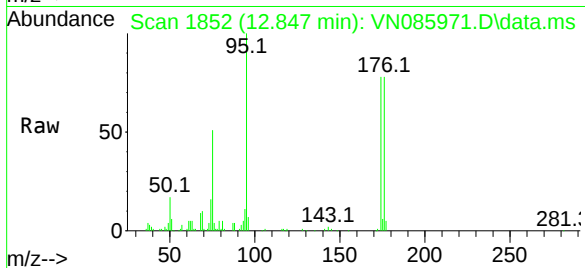




#76
1,2,3-Trichloropropane
Concen: 23.124 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

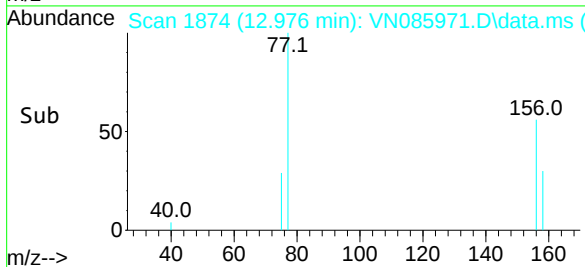
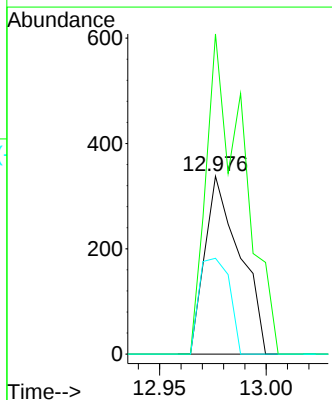
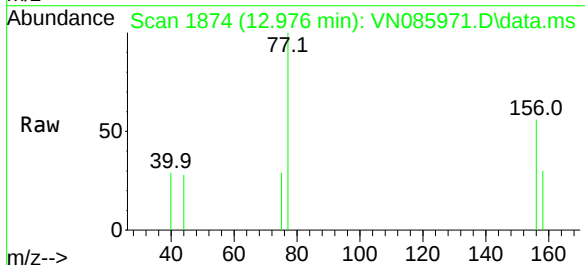
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

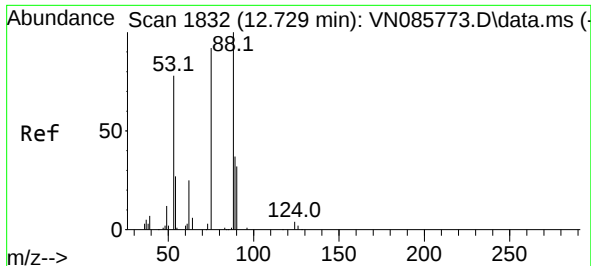
Tgt Ion: 75 Resp: 45713
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#



#77
Bromobenzene
Concen: 0.234 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Tgt Ion:156 Resp: 385
Ion Ratio Lower Upper
156 100
77 189.9 104.1 312.3
158 46.8 48.1 144.4#

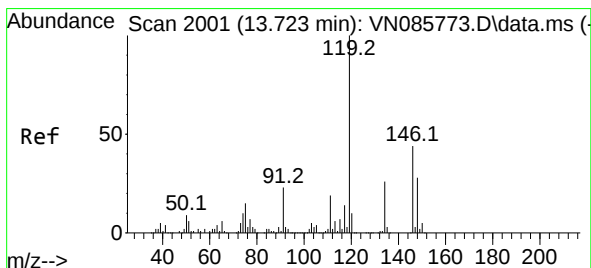
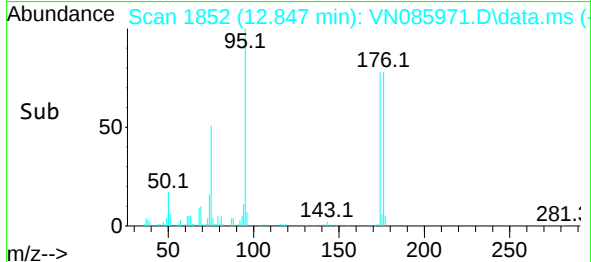
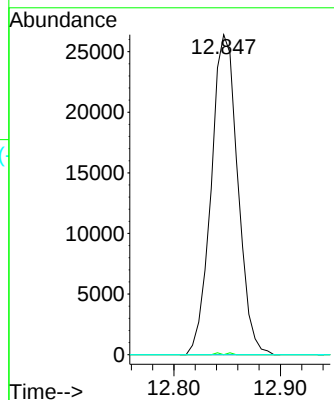
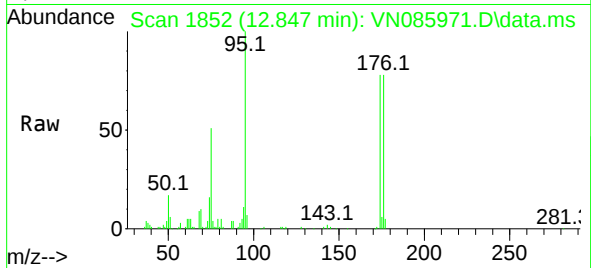




#81
trans-1,4-Dichloro-2-butene
Concen: 67.470 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

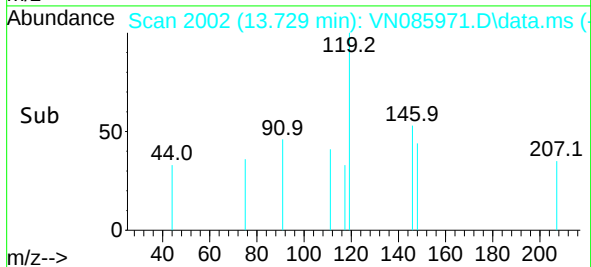
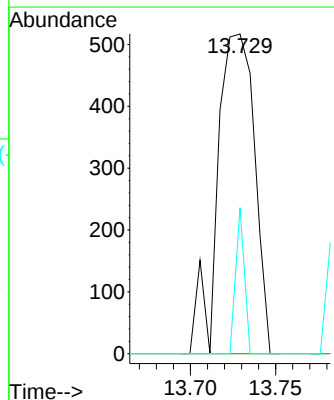
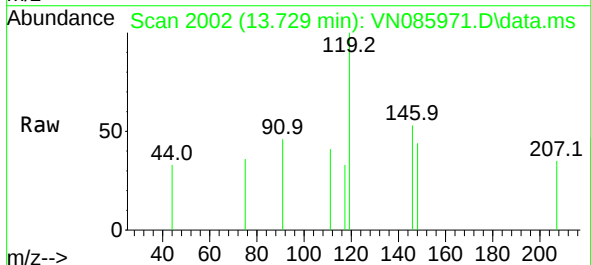
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

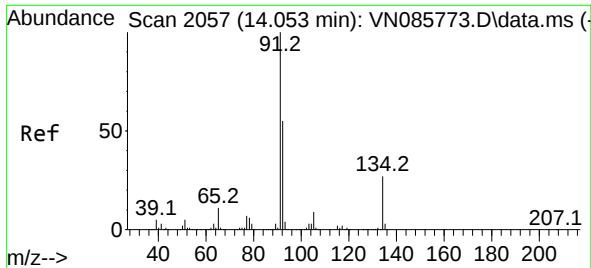
Tgt Ion: 75 Resp: 45713
Ion Ratio Lower Upper
75 100
53 0.2 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.780 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Tgt Ion: 119 Resp: 783
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 10.6 11.7 35.1#

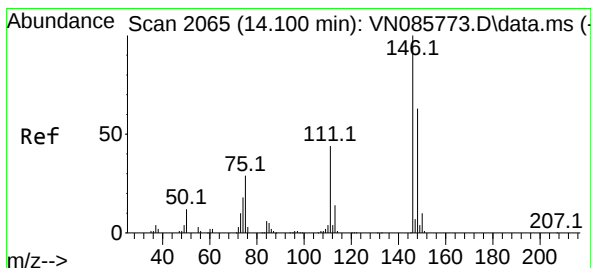
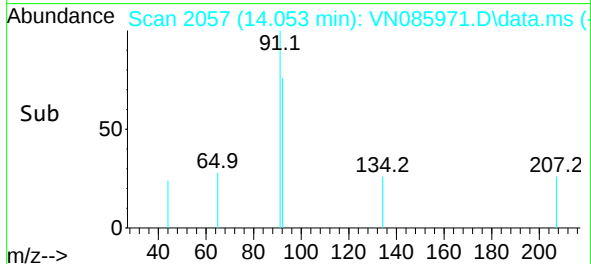
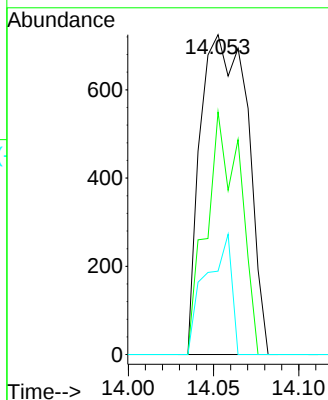
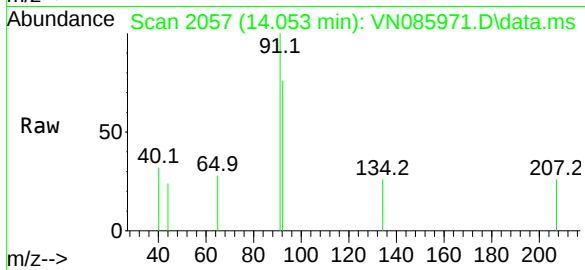




#89
n-Butylbenzene
Concen: 0.332 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

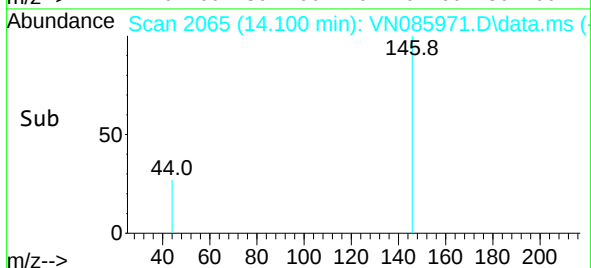
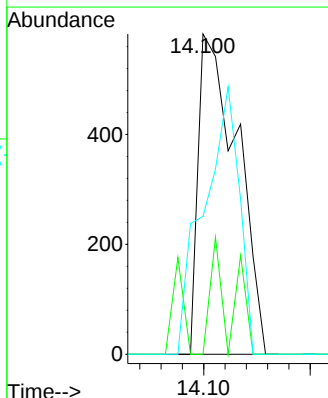
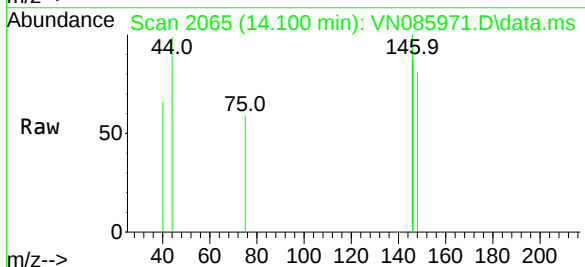
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBL01

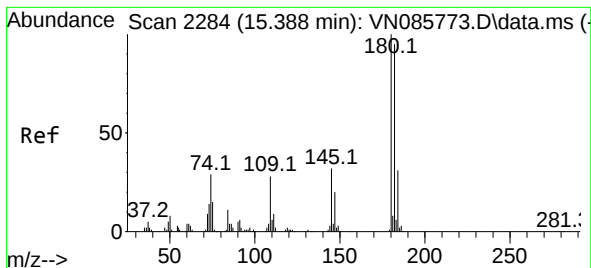
Tgt Ion: 91	Resp:	1391
Ion	Ratio	Lower Upper
91	100	
92	54.6	27.1 81.3
134	20.6	12.7 38.1



#91
1,2-Dichlorobenzene
Concen: 0.249 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN085971.D
Acq: 13 Mar 2025 11:14

Tgt Ion: 146	Resp:	738
Ion	Ratio	Lower Upper
146	100	
111	18.8	21.4 64.3#
148	76.3	32.0 96.2





#93

1,2,4-Trichlorobenzene

Concen: 0.938 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN085971.D

Acq: 13 Mar 2025 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBL01

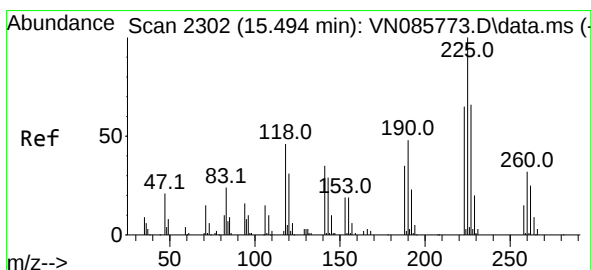
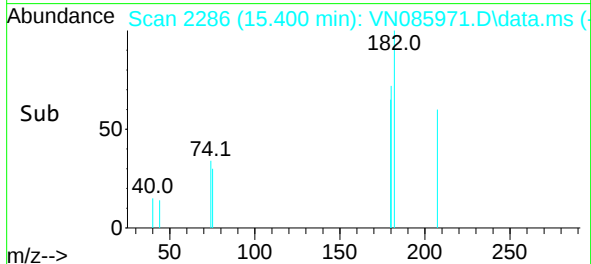
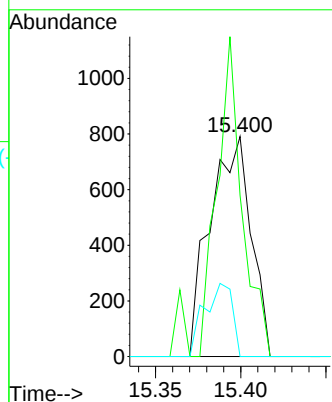
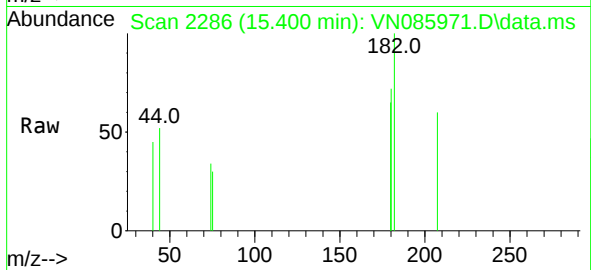
Tgt Ion:180 Resp: 1326

Ion Ratio Lower Upper

180 100

182 89.1 47.3 141.9

145 22.6 16.2 48.5



#94

Hexachlorobutadiene

Concen: 0.948 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN085971.D

Acq: 13 Mar 2025 11:14

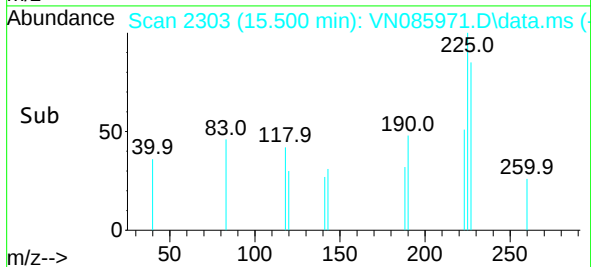
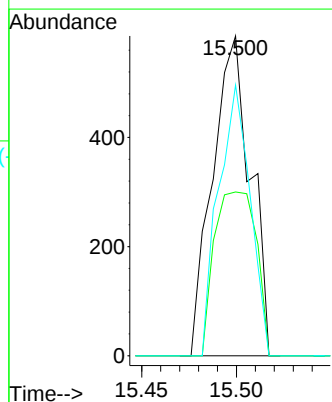
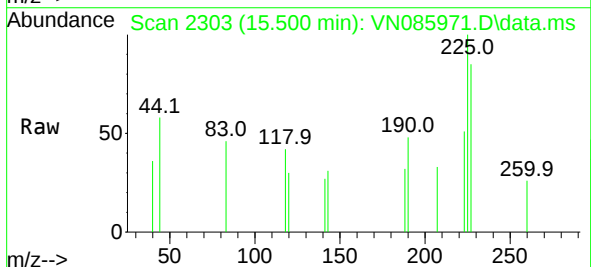
Tgt Ion:225 Resp: 815

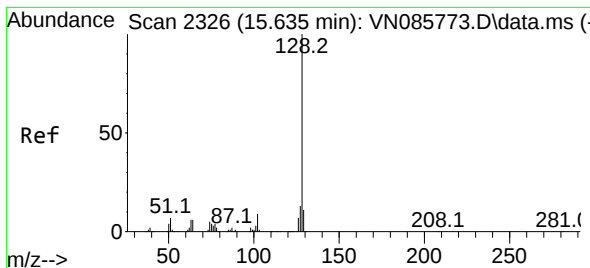
Ion Ratio Lower Upper

225 100

223 56.6 31.9 95.5

227 70.6 32.2 96.6





#95

Naphthalene

Concen: 1.490 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN085971.D

Acq: 13 Mar 2025 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBL01

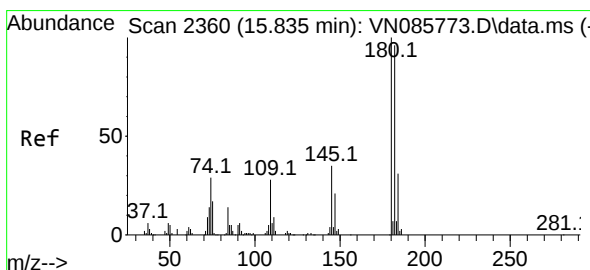
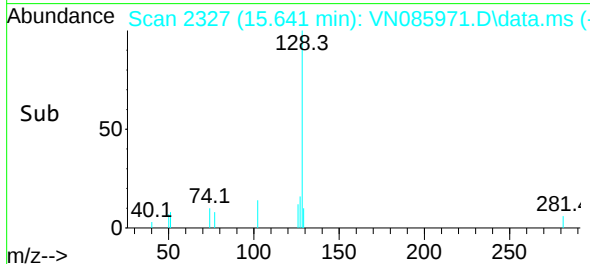
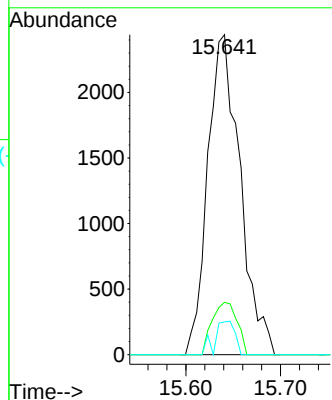
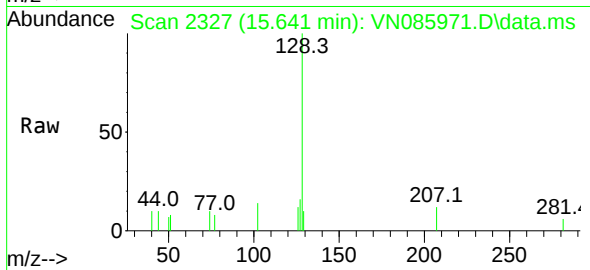
Tgt Ion:128 Resp: 5785

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 6.5 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.997 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.012 min

Lab File: VN085971.D

Acq: 13 Mar 2025 11:14

Tgt Ion:180 Resp: 1415

Ion Ratio Lower Upper

180 100

182 96.5 47.3 141.8

145 10.2 16.9 50.6#

