

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122322\
 Data File : VN075954.D
 Acq On : 23 Dec 2022 10:03
 Operator : JC\MD
 Sample : VN1223MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1223MBL01

Quant Time: Dec 26 04:29:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

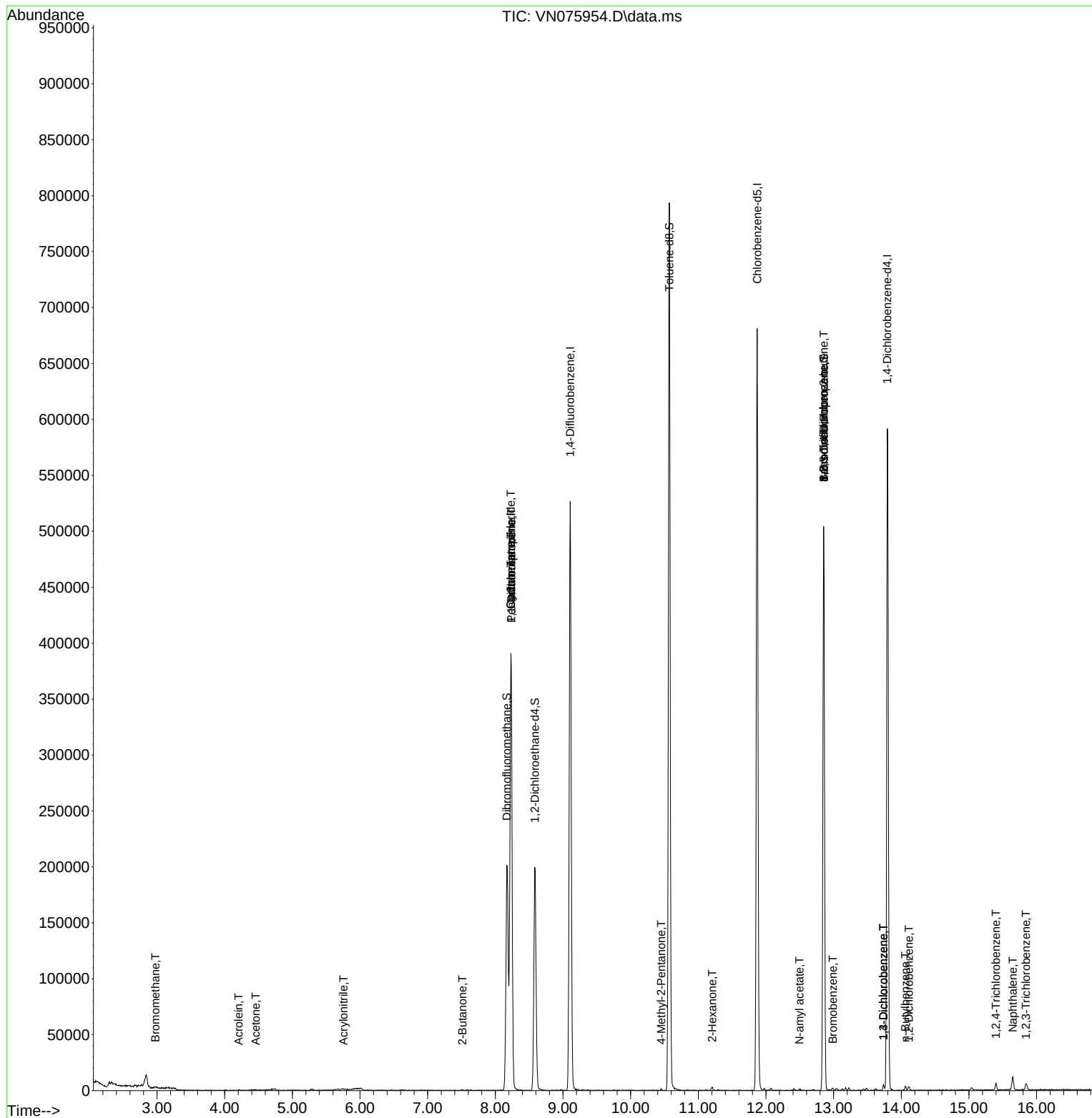
Internal Standards						
1) Pentafluorobenzene	8.236	168	302514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	477682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	412087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	168726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	160518	48.774	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.540%		
35) Dibromofluoromethane	8.171	113	145010	49.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.040%		
50) Toluene-d8	10.571	98	549118	49.647	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.300%		
62) 4-Bromofluorobenzene	12.853	95	168729	46.059	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.120%		
Target Compounds					Qvalue	
5) Bromomethane	2.977	94	587	0.217	ug/l	85
13) Acrolein	4.206	56	549	0.962	ug/l #	70
15) Acrylonitrile	5.753	53	591	0.465	ug/l #	76
16) Acetone	4.459	43	487	0.429	ug/l #	39
20) Methylene Chloride	5.283	84	969	Below Cal	#	47
25) 2-Butanone	7.512	43	498	0.314	ug/l #	40
31) Cyclohexane	8.230	56	5666	1.202	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	21781	5.543	ug/l #	49
38) Carbon Tetrachloride	8.230	117	29964	6.813	ug/l #	16
51) 4-Methyl-2-Pentanone	10.453	43	910	0.289	ug/l #	74
59) 2-Hexanone	11.206	43	2296	1.000	ug/l	76
71) Bromoform	12.853	173	1237	0.543	ug/l #	1
74) N-amyl acetate	12.494	43	931	0.260	ug/l #	74
76) 1,2,3-Trichloropropane	12.853	75	85239	25.062	ug/l #	1
77) Bromobenzene	12.988	156	658	0.213	ug/l	82
81) trans-1,4-Dichloro-2-b...	12.853	75	85239	90.211	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	1730	0.304	ug/l	95
88) 1,4-Dichlorobenzene	13.735	146	1730	0.297	ug/l	94
89) n-Butylbenzene	14.059	91	2527	0.302	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	1947	0.347	ug/l	92
93) 1,2,4-Trichlorobenzene	15.400	180	2598	0.935	ug/l	93
95) Naphthalene	15.647	128	12068	3.435	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.841	180	2856	1.099	ug/l	96

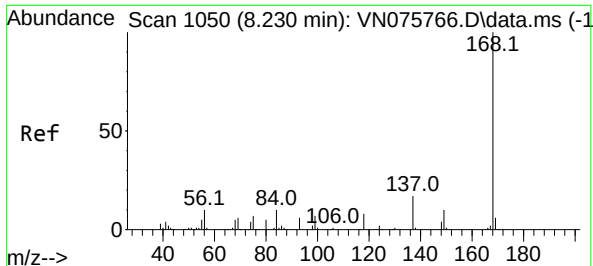
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

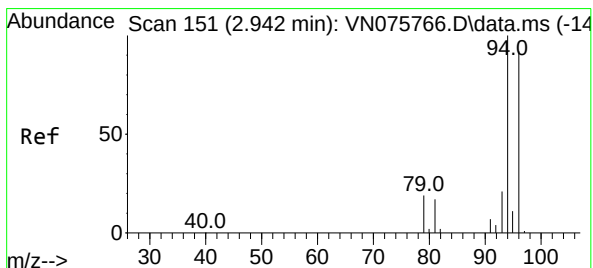
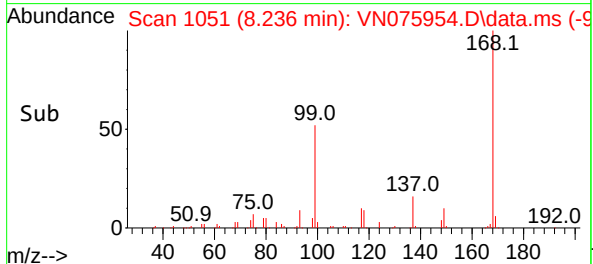
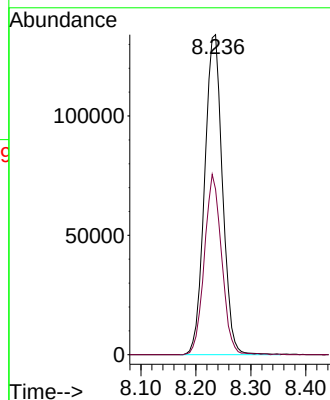
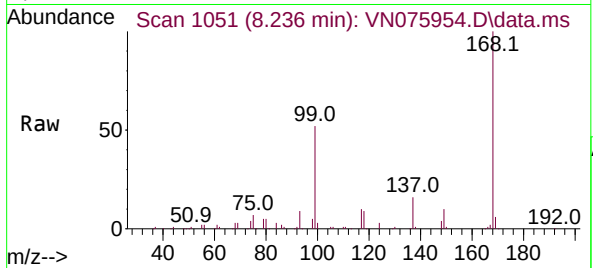




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

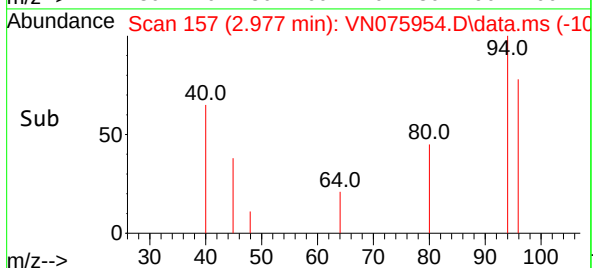
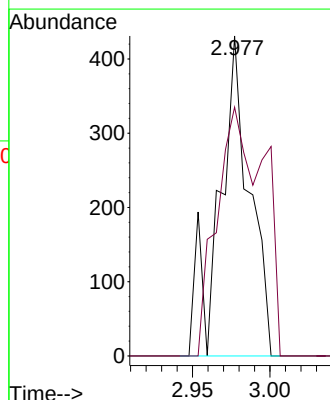
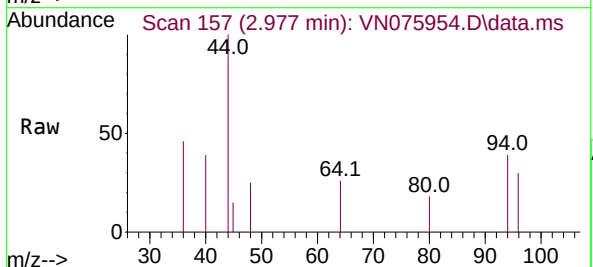
Instrument :
MSVOA_N
ClientSampleId :
VN1223MBL01

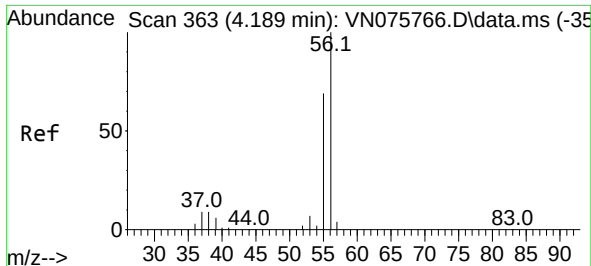
Tgt Ion:168 Resp: 302514
Ion Ratio Lower Upper
168 100
99 51.7 44.2 66.4



#5
Bromomethane
Concen: 0.217 ug/l
RT: 2.977 min Scan# 157
Delta R.T. 0.035 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Tgt Ion: 94 Resp: 587
Ion Ratio Lower Upper
94 100
96 77.7 73.8 110.6

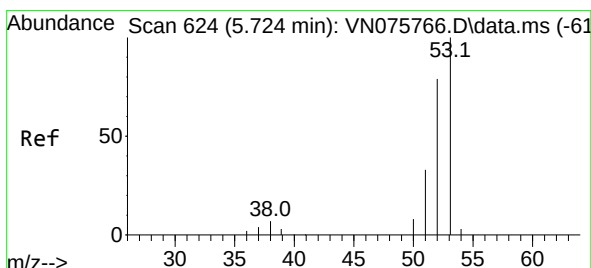
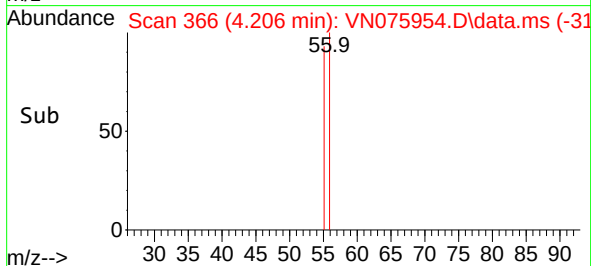
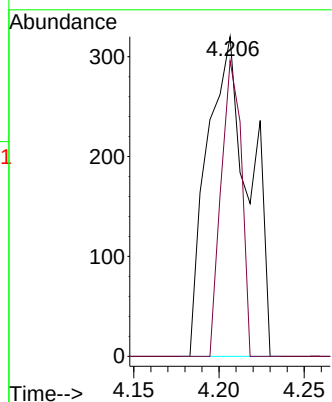
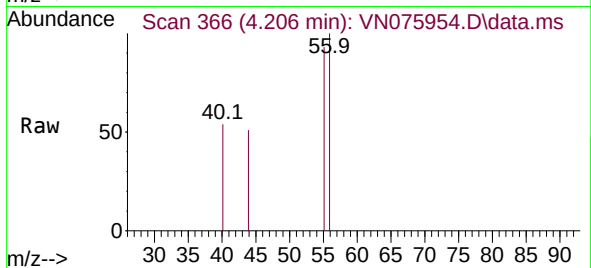




#13
Acrolein
Concen: 0.962 ug/l
RT: 4.206 min Scan# 366
Delta R.T. 0.018 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

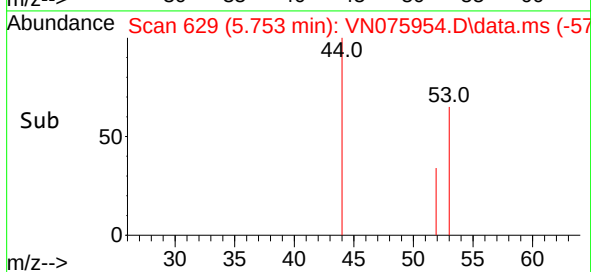
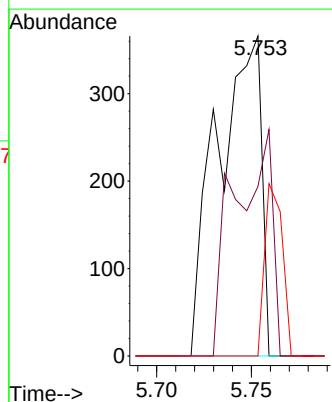
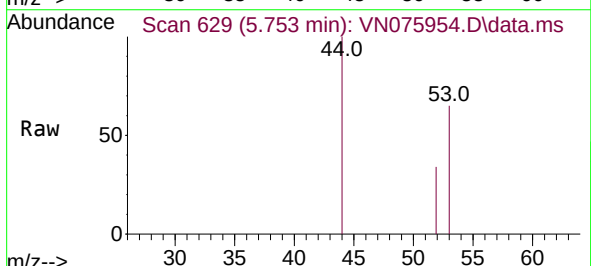
Instrument :
MSVOA_N
ClientSampleId :
VN1223MBL01

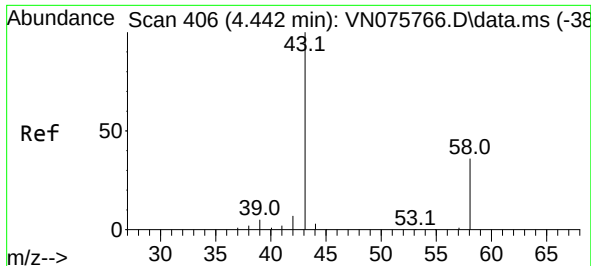
Tgt Ion: 56 Resp: 549
Ion Ratio Lower Upper
56 100
55 44.4 54.8 82.2#



#15
Acrylonitrile
Concen: 0.465 ug/l
RT: 5.753 min Scan# 629
Delta R.T. 0.030 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Tgt Ion: 53 Resp: 591
Ion Ratio Lower Upper
53 100
52 60.1 65.4 98.0#
51 21.7 28.9 43.3#





#16

Acetone

Concen: 0.429 ug/l

RT: 4.459 min Scan# 406

Delta R.T. 0.018 min

Lab File: VN075954.D

Acq: 23 Dec 2022 10:03

Instrument :

MSVOA_N

ClientSampleId :

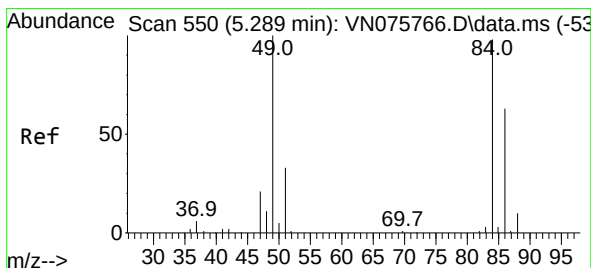
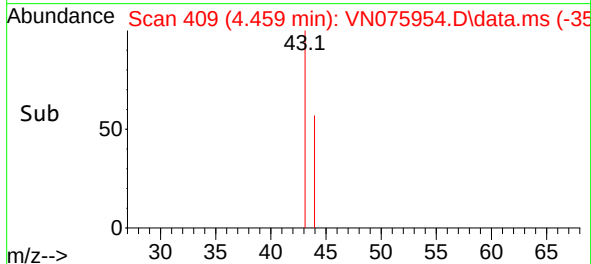
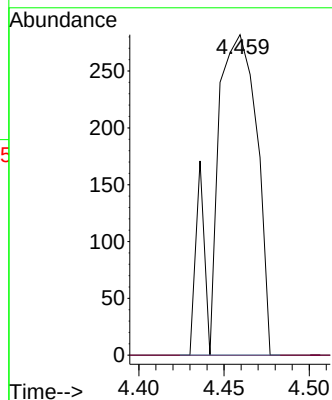
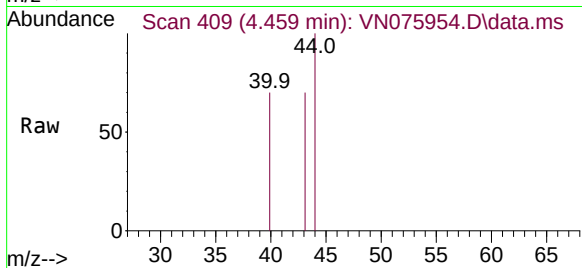
VN1223MBL01

Tgt Ion: 43 Resp: 487

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 549

Delta R.T. -0.006 min

Lab File: VN075954.D

Acq: 23 Dec 2022 10:03

Tgt Ion: 84 Resp: 969

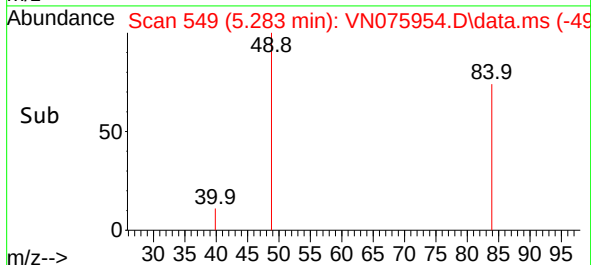
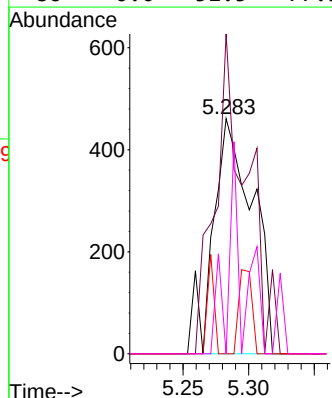
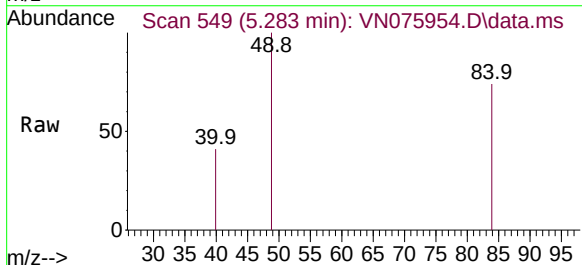
Ion Ratio Lower Upper

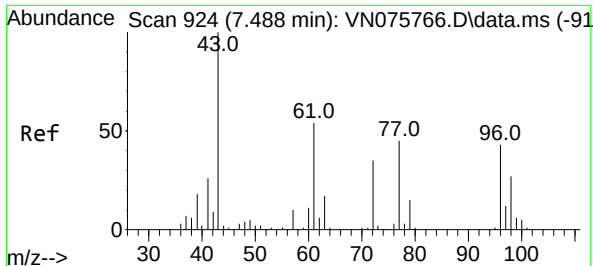
84 100

49 136.0 81.8 122.6#

51 0.0 26.7 40.1#

86 0.0 51.5 77.3#





#25

2-Butanone

Concen: 0.314 ug/l

RT: 7.512 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN075954.D

Acq: 23 Dec 2022 10:03

Instrument :

MSVOA_N

ClientSampleId :

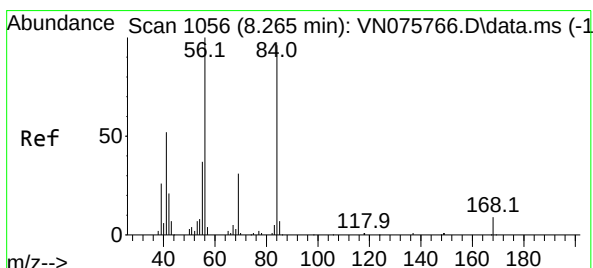
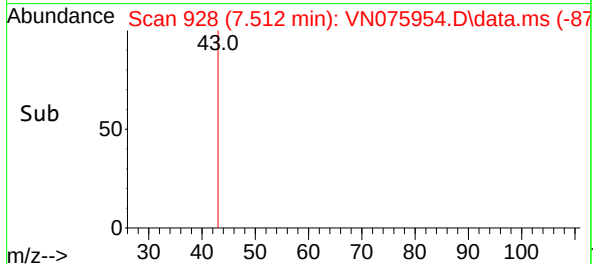
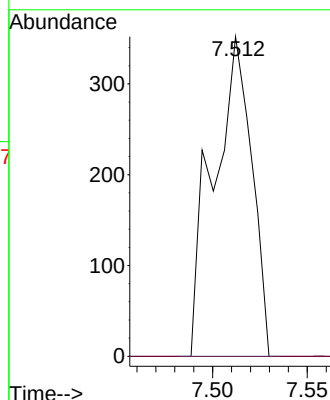
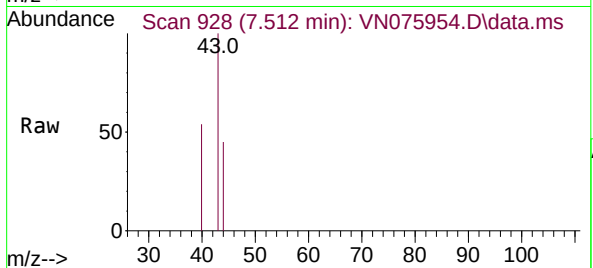
VN1223MBL01

Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

43 100

72 0.0 28.0 42.0#



#31

Cyclohexane

Concen: 1.202 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN075954.D

Acq: 23 Dec 2022 10:03

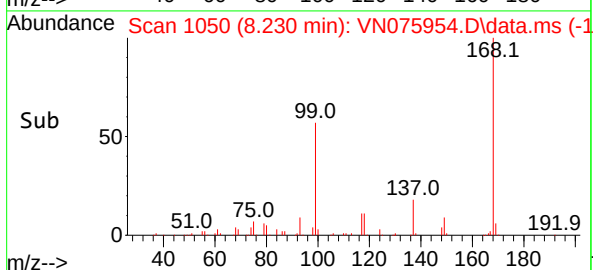
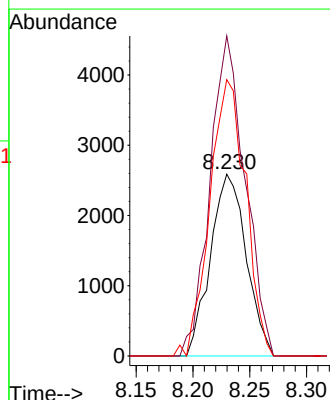
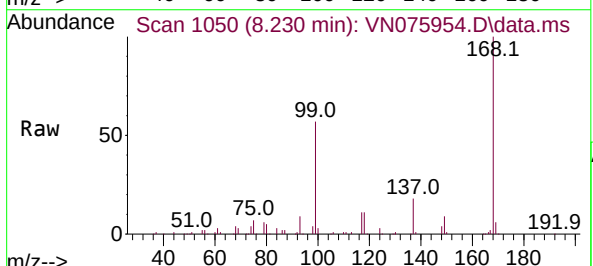
Tgt Ion: 56 Resp: 5666

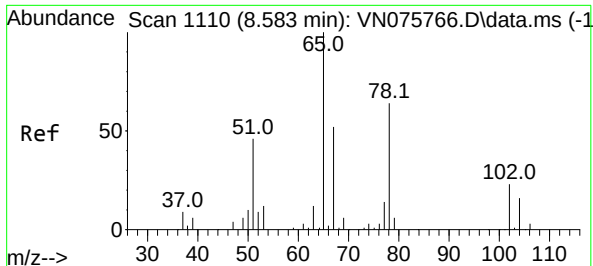
Ion Ratio Lower Upper

56 100

69 176.0 24.7 37.1#

84 152.0 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 48.774 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075954.D

Acq: 23 Dec 2022 10:03

Instrument :

MSVOA_N

ClientSampleId :

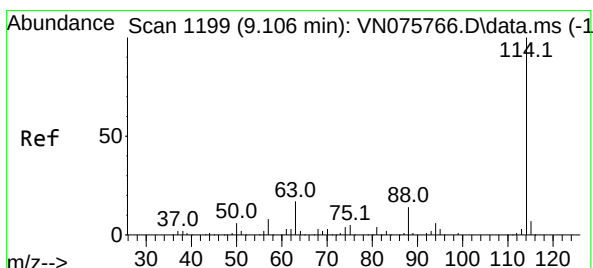
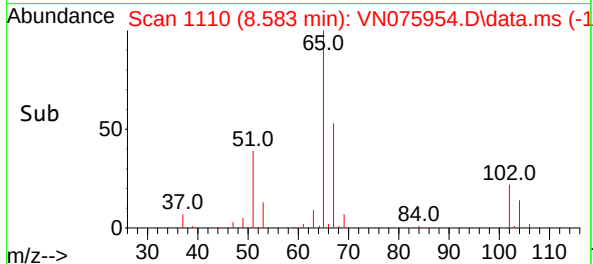
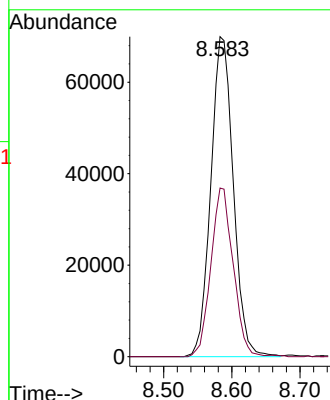
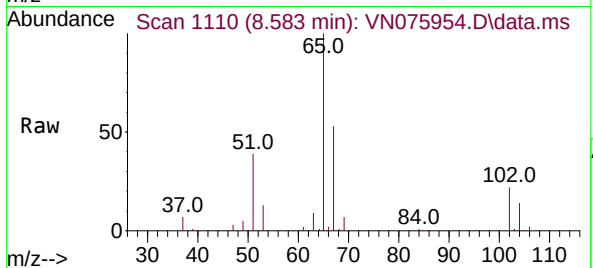
VN1223MBL01

Tgt Ion: 65 Resp: 160518

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075954.D

Acq: 23 Dec 2022 10:03

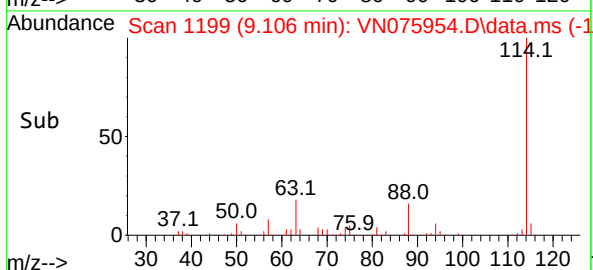
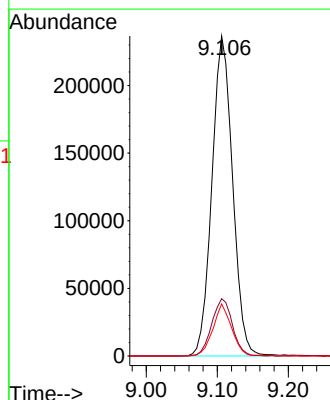
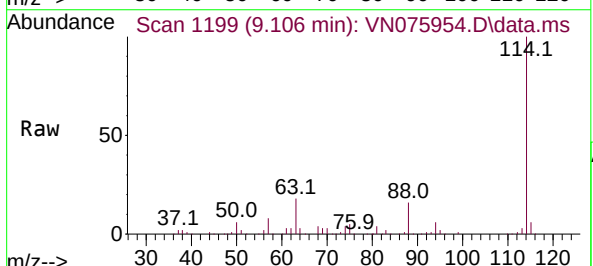
Tgt Ion: 114 Resp: 477682

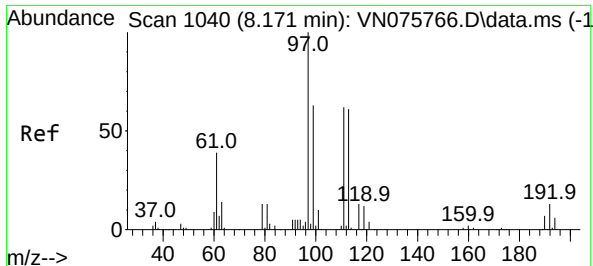
Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.4

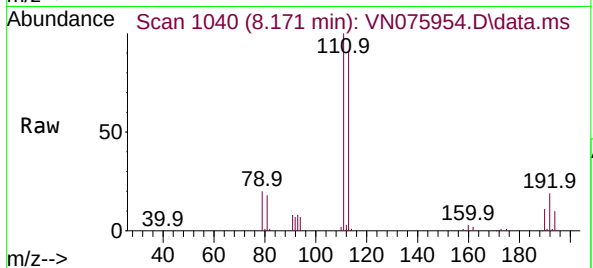
88 16.3 0.0 28.8



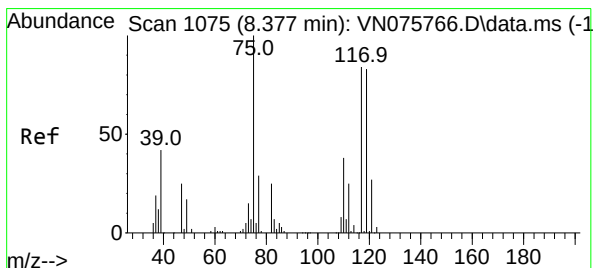
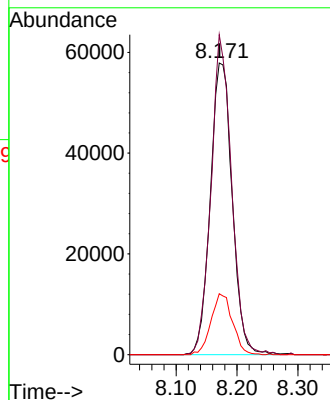
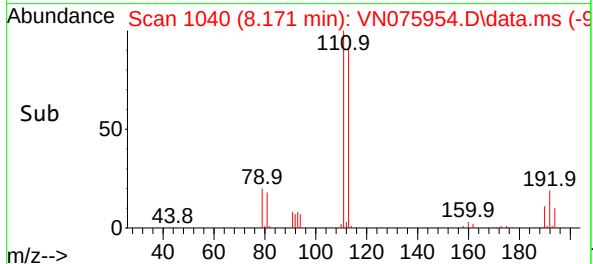


#35
Dibromofluoromethane
Concen: 49.019 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1223MBL01

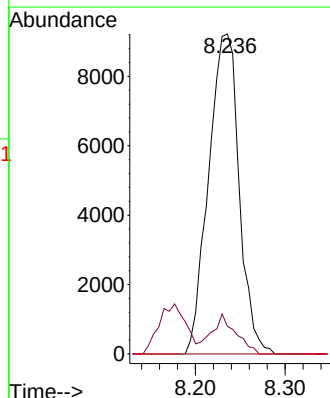
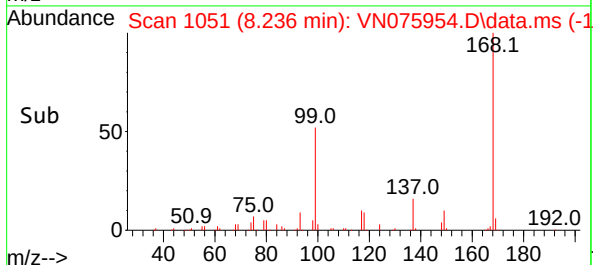
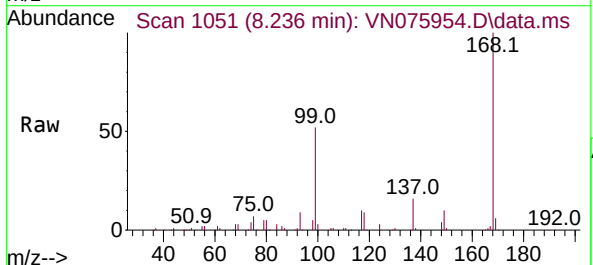


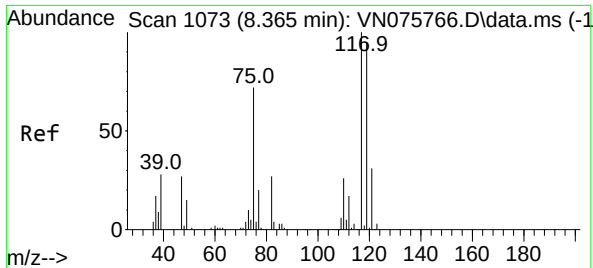
Tgt Ion:113 Resp: 145010
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.2
192 20.4 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.543 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Tgt Ion: 75 Resp: 21781
Ion Ratio Lower Upper
75 100
110 9.5 18.8 56.4#
77 0.0 24.1 36.1#

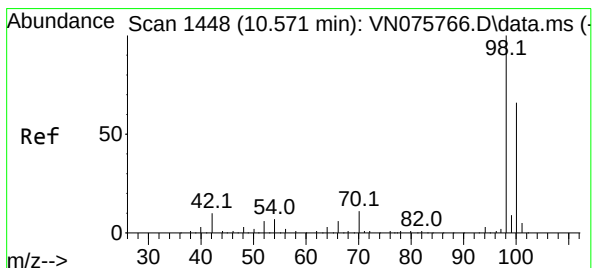
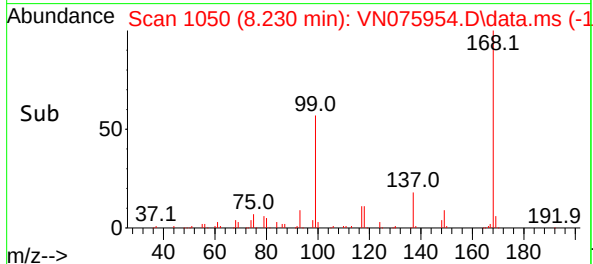
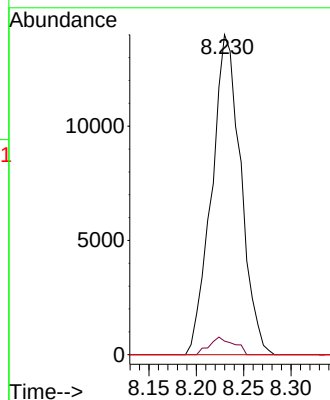
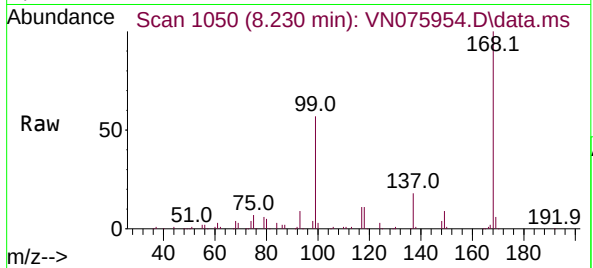




#38
Carbon Tetrachloride
Concen: 6.813 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

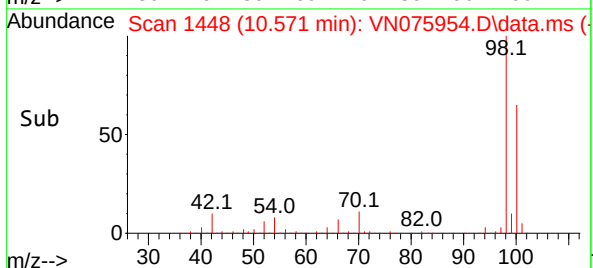
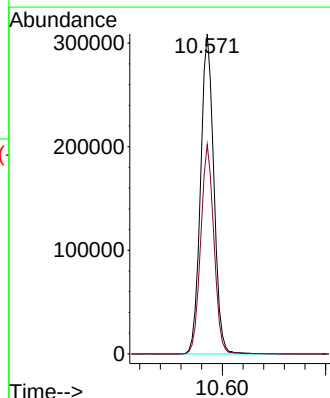
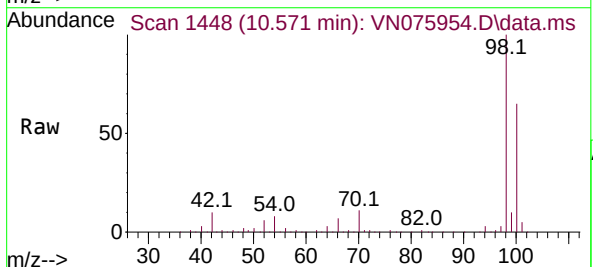
Instrument :
MSVOA_N
ClientSampleId :
VN1223MBL01

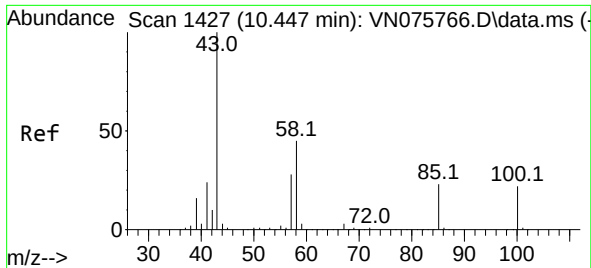
Tgt Ion:117 Resp: 29964
Ion Ratio Lower Upper
117 100
119 4.3 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.647 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Tgt Ion: 98 Resp: 549118
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

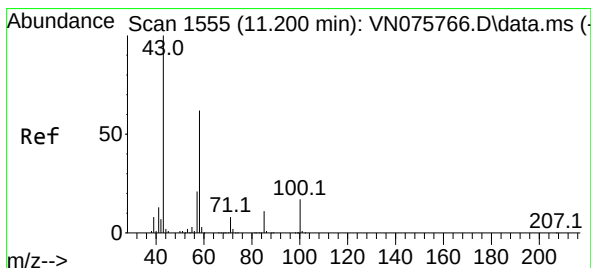
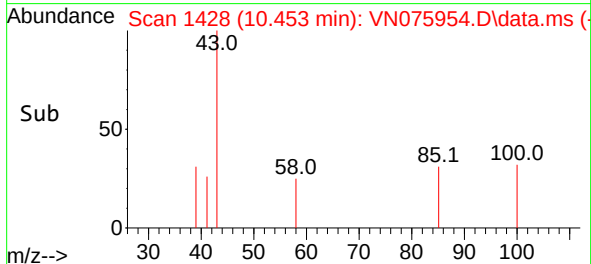
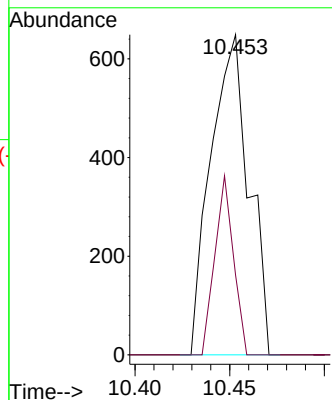
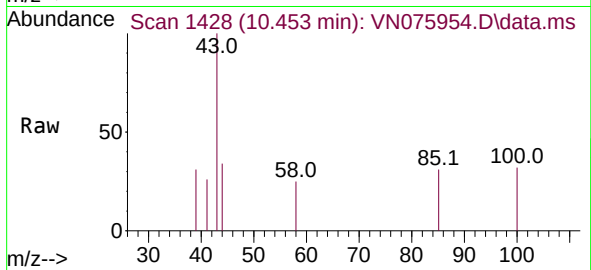




#51
4-Methyl-2-Pentanone
Concen: 0.289 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

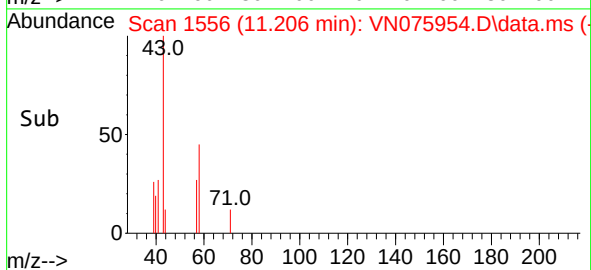
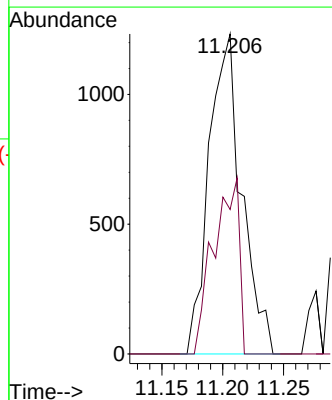
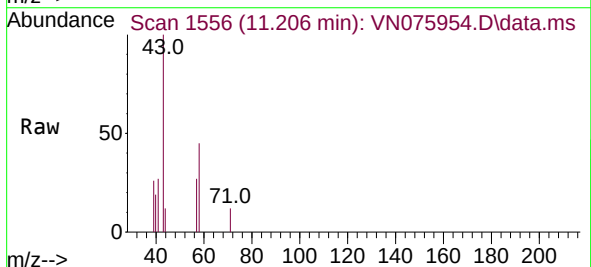
Instrument :
MSVOA_N
ClientSampleId :
VN1223MBL01

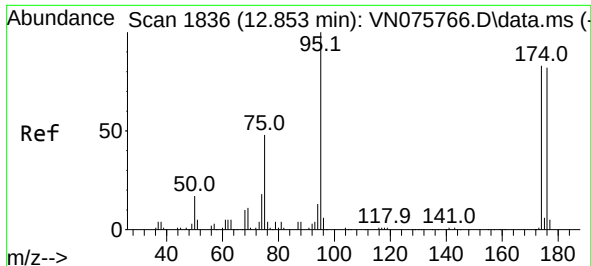
Tgt Ion: 43 Resp: 910
Ion Ratio Lower Upper
43 100
58 27.3 35.5 53.3#



#59
2-Hexanone
Concen: 1.000 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Tgt Ion: 43 Resp: 2296
Ion Ratio Lower Upper
43 100
58 43.2 30.6 92.0

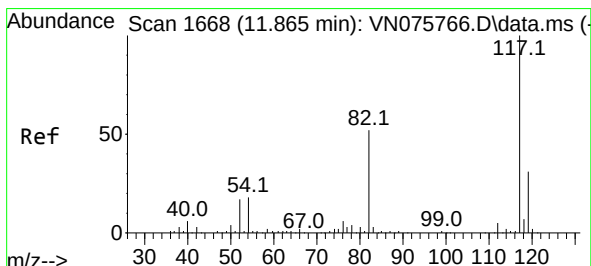
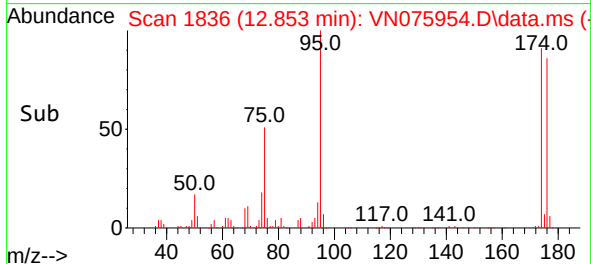
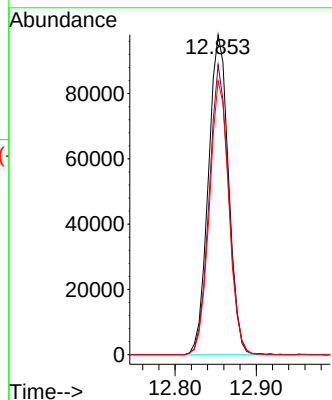
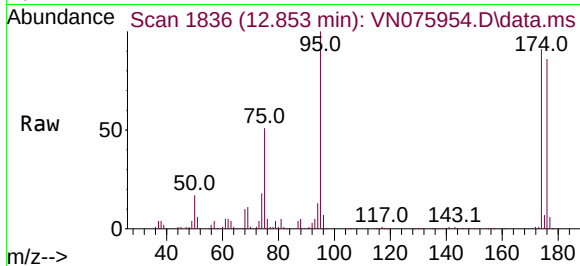




#62
4-Bromofluorobenzene
Concen: 46.059 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

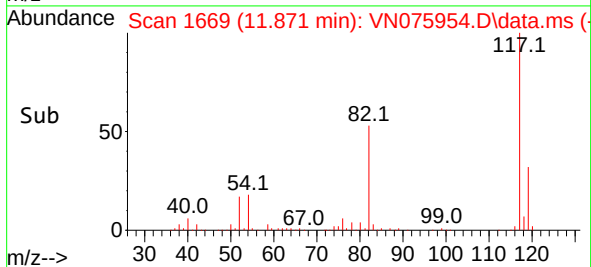
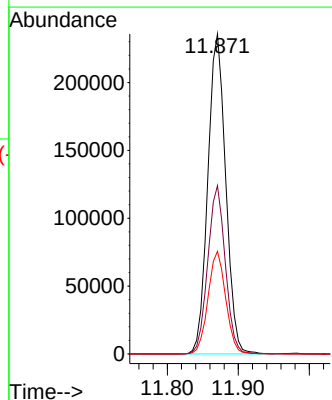
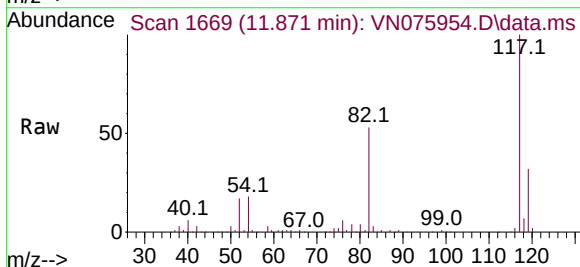
Instrument :
MSVOA_N
ClientSampleId :
VN1223MBL01

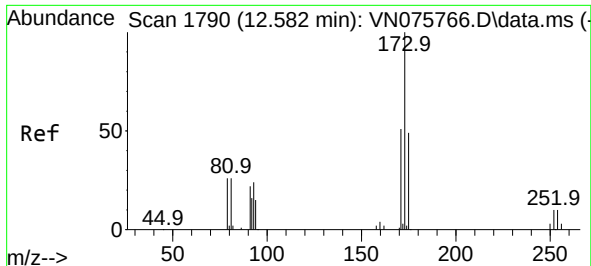
Tgt Ion: 95 Resp: 168729
Ion Ratio Lower Upper
95 100
174 87.9 0.0 171.6
176 83.0 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Tgt Ion: 117 Resp: 412087
Ion Ratio Lower Upper
117 100
82 52.6 41.3 61.9
119 32.1 24.6 37.0

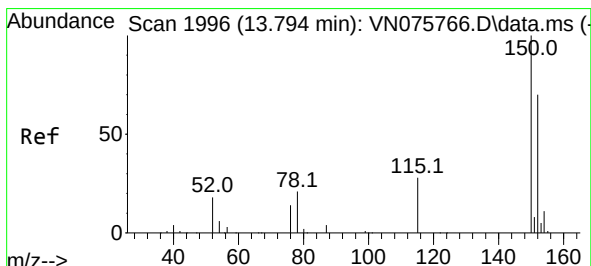
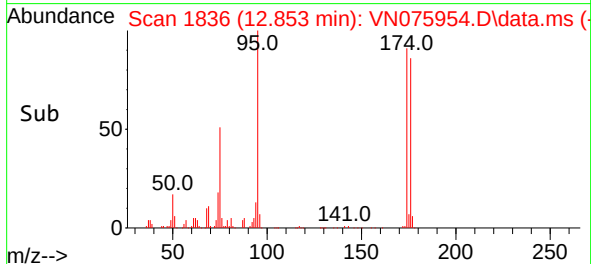
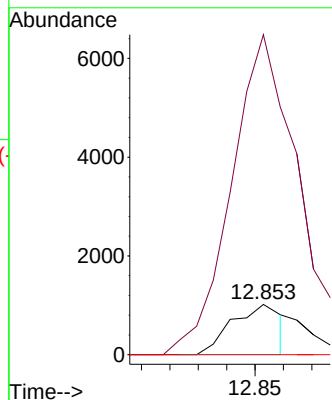
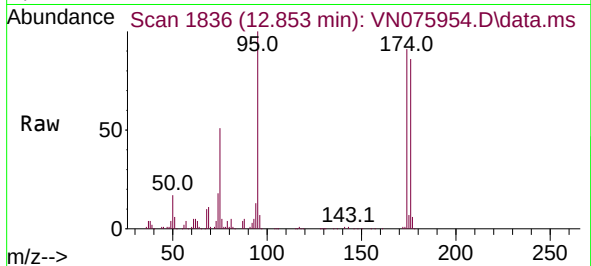




#71
Bromoform
Concen: 0.543 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

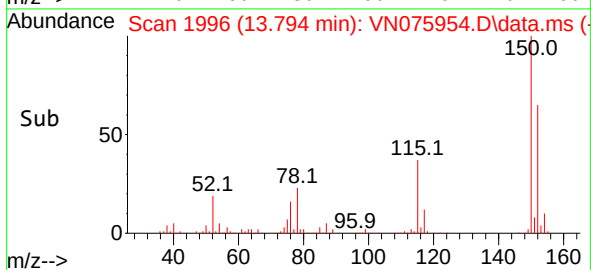
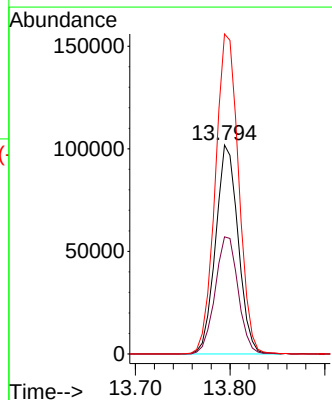
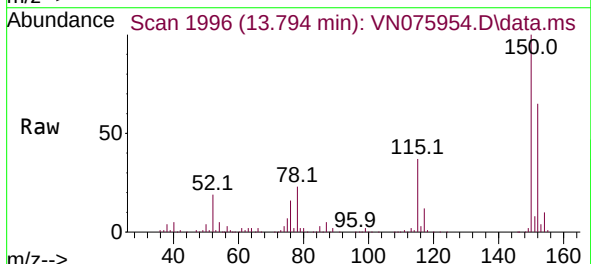
Instrument :
MSVOA_N
ClientSampleId :
VN1223MBL01

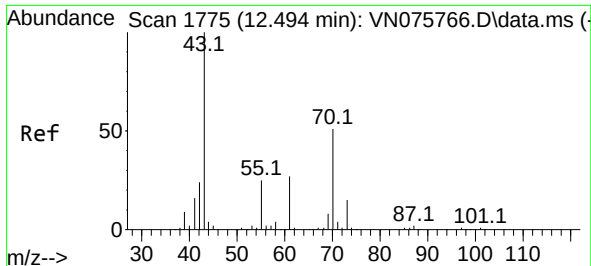
Tgt Ion:173 Resp: 1237
Ion Ratio Lower Upper
173 100
175 642.4 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Tgt Ion:152 Resp: 168726
Ion Ratio Lower Upper
152 100
115 57.3 29.1 87.4
150 158.3 0.0 347.0

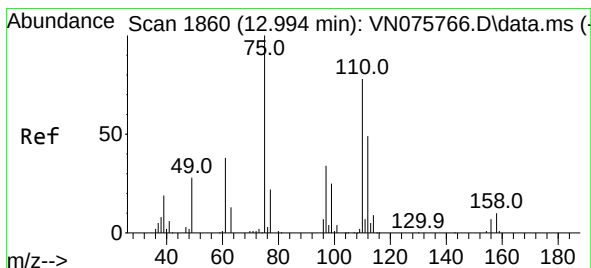
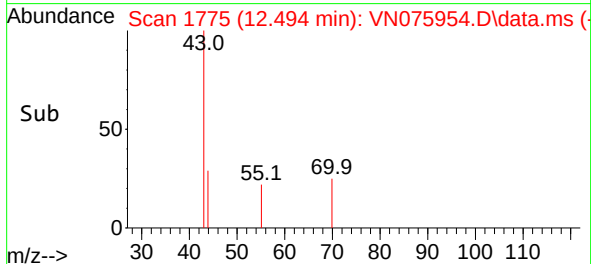
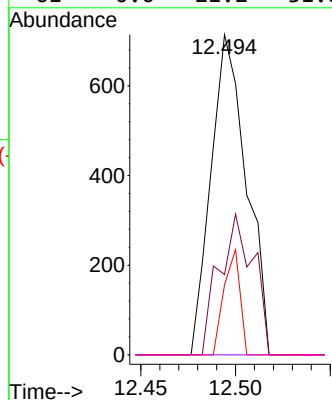
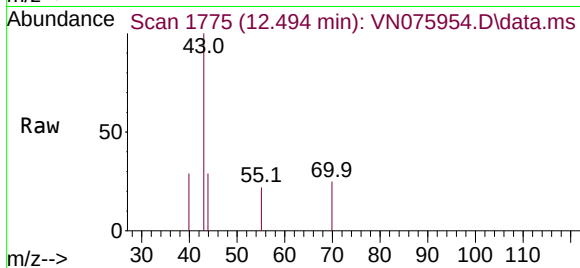




#74
N-amy1 acetate
Concen: 0.260 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

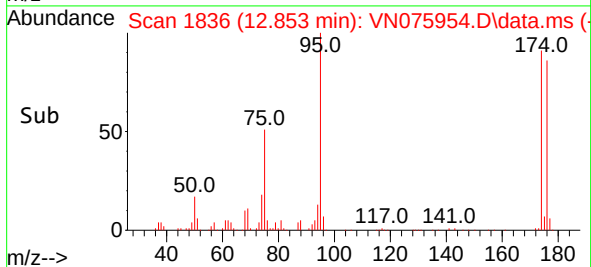
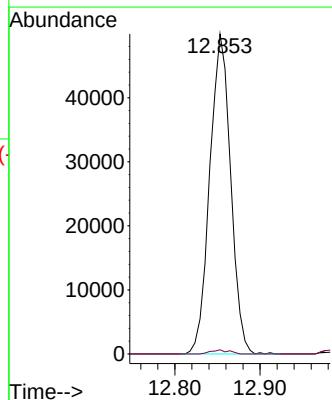
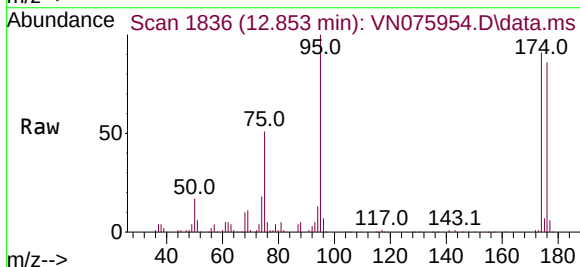
Instrument :
MSVOA_N
ClientSampleId :
VN1223MBL01

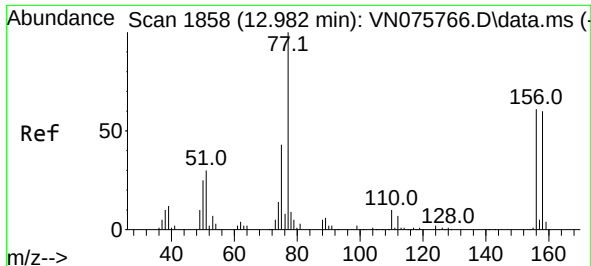
Tgt Ion: 43	Resp: 931
Ion Ratio	Lower Upper
43 100	
70 42.2	41.4 62.0
55 14.8	21.3 31.9#
61 0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 25.062 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Tgt Ion: 75	Resp:	85239	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	82.6	247.8#	

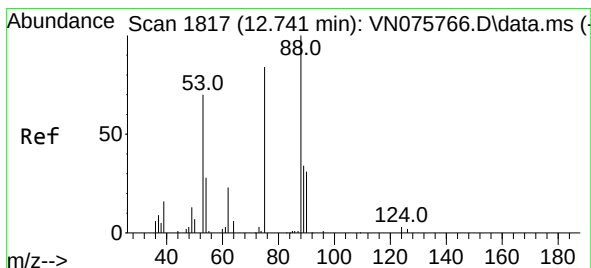
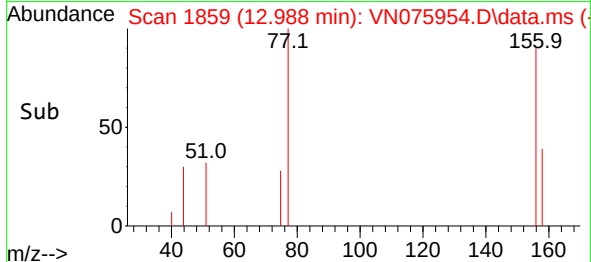
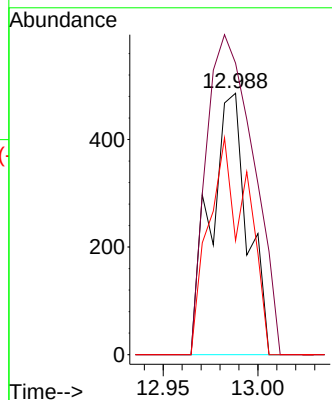
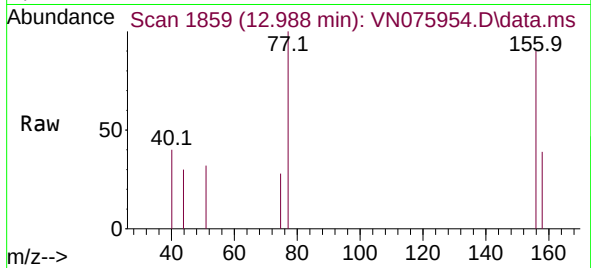




#77
Bromobenzene
Concen: 0.213 ug/l
RT: 12.988 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

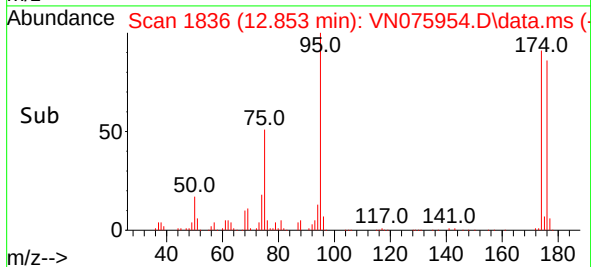
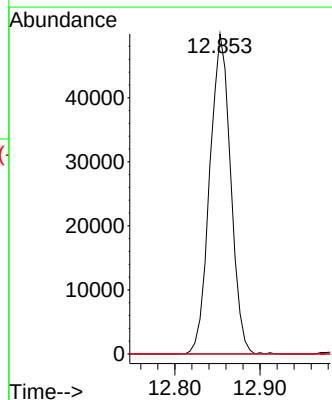
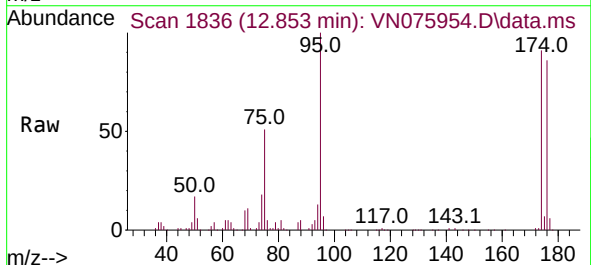
Instrument :
MSVOA_N
ClientSampleId :
VN1223MBL01

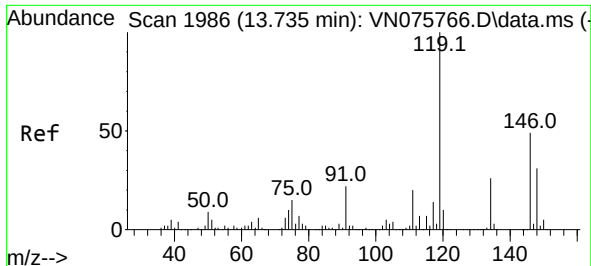
Tgt Ion:156 Resp: 658
Ion Ratio Lower Upper
156 100
77 156.2 93.8 281.3
158 86.8 48.9 146.6



#81
trans-1,4-Dichloro-2-butene
Concen: 90.211 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Tgt Ion: 75 Resp: 85239
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#

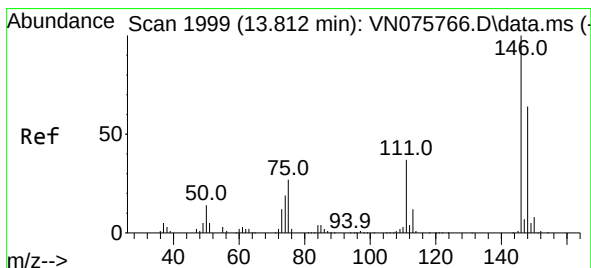
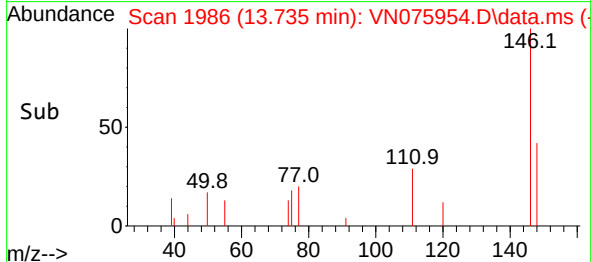
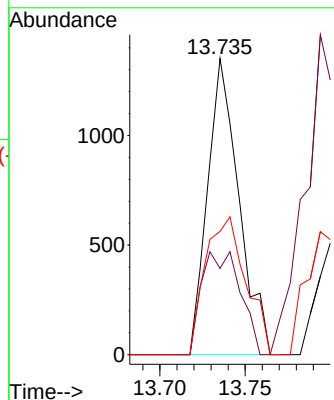
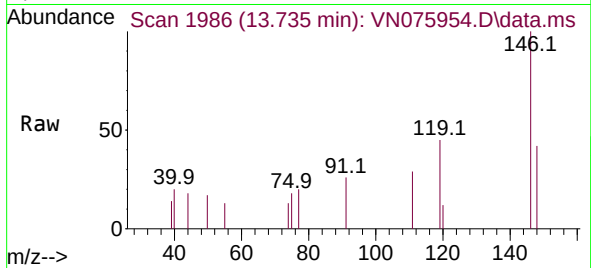




#87
 1,3-Dichlorobenzene
 Concen: 0.304 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN075954.D
 Acq: 23 Dec 2022 10:03

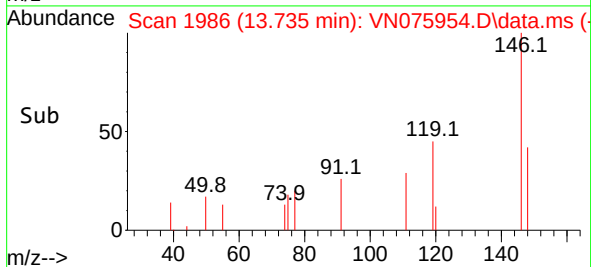
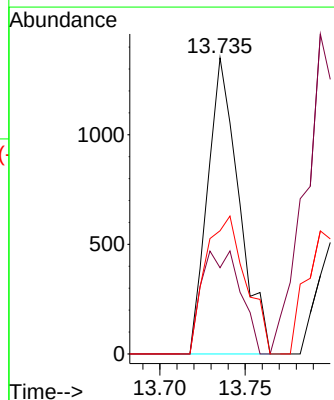
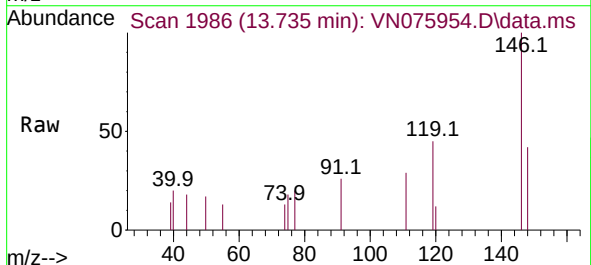
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1223MBL01

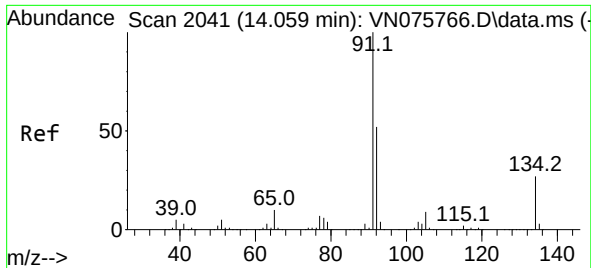
Tgt Ion:146 Resp: 1730
 Ion Ratio Lower Upper
 146 100
 111 43.1 19.7 59.0
 148 60.0 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 0.297 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. -0.076 min
 Lab File: VN075954.D
 Acq: 23 Dec 2022 10:03

Tgt Ion:146 Resp: 1730
 Ion Ratio Lower Upper
 146 100
 111 43.1 19.1 57.1
 148 60.0 32.0 96.2



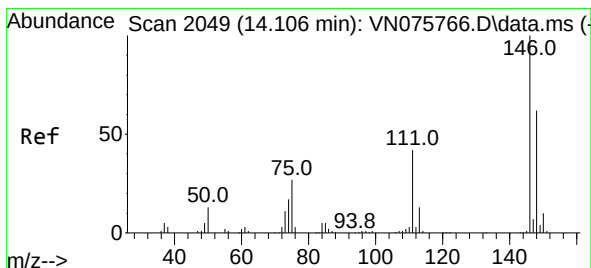
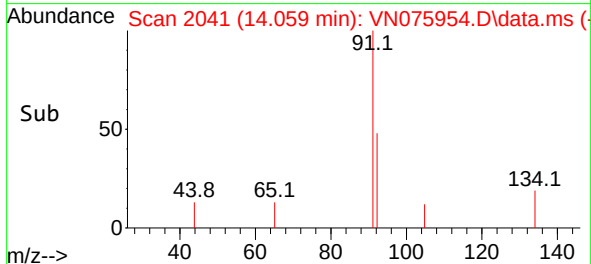
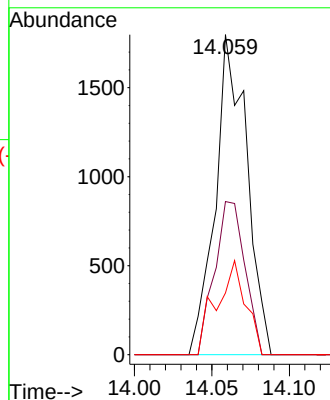
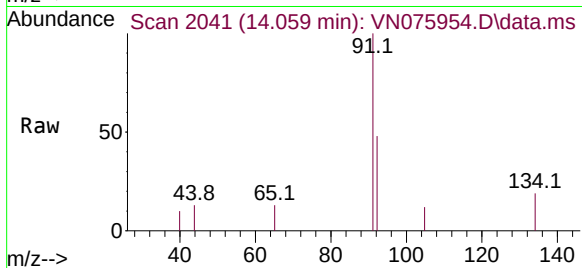


#89
n-Butylbenzene
Concen: 0.302 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Instrument :
MSVOA_N
ClientSampleId :
VN1223MBL01

Tgt Ion: 91 Resp: 2527

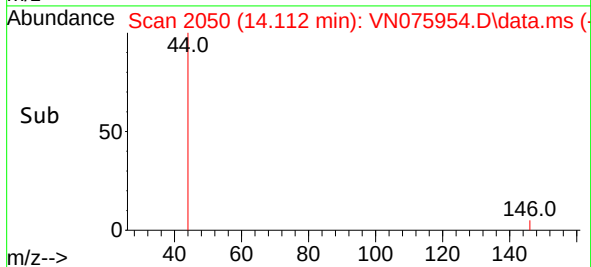
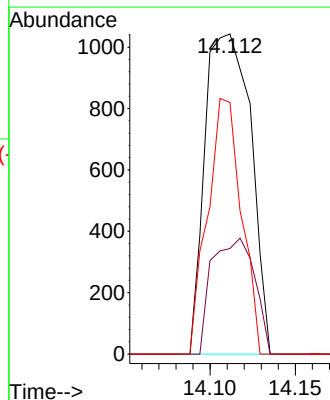
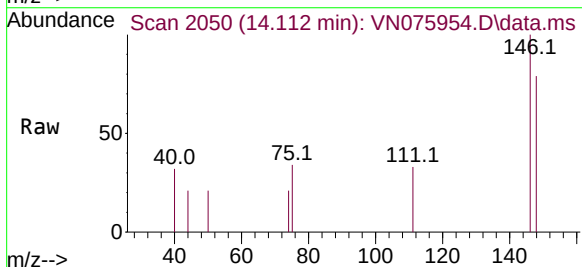
Ion	Ratio	Lower	Upper
91	100		
92	46.3	26.4	79.2
134	27.4	13.4	40.2

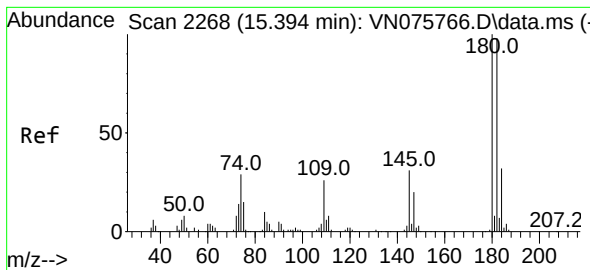


#91
1,2-Dichlorobenzene
Concen: 0.347 ug/l
RT: 14.112 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VN075954.D
Acq: 23 Dec 2022 10:03

Tgt Ion: 146 Resp: 1947

Ion	Ratio	Lower	Upper
146	100		
111	33.6	20.3	61.0
148	58.9	31.7	95.1





#93

1,2,4-Trichlorobenzene

Concen: 0.935 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075954.D

Acq: 23 Dec 2022 10:03

Instrument :

MSVOA_N

ClientSampleId :

VN1223MBL01

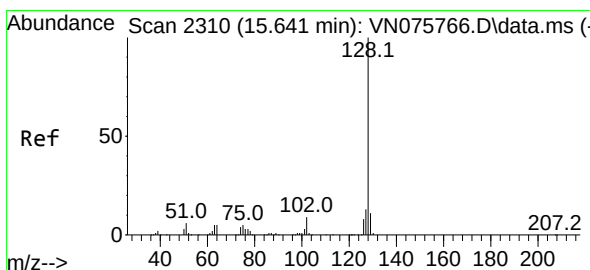
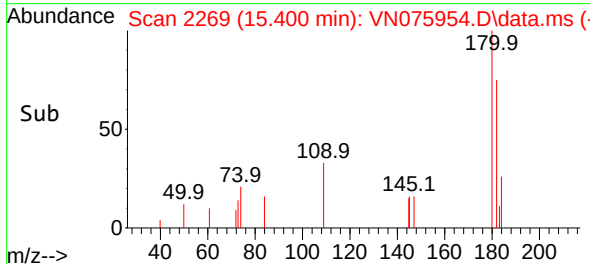
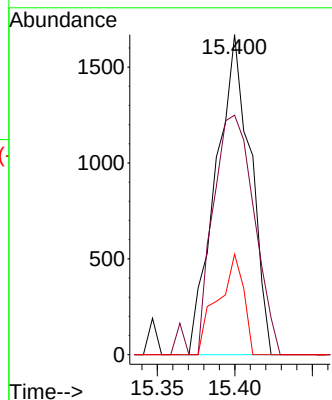
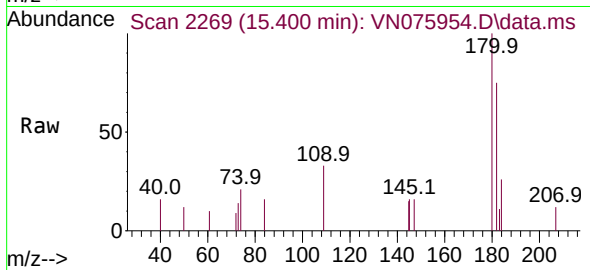
Tgt Ion:180 Resp: 2598

Ion Ratio Lower Upper

180 100

182 90.1 47.5 142.5

145 23.2 15.3 45.8



#95

Naphthalene

Concen: 3.435 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN075954.D

Acq: 23 Dec 2022 10:03

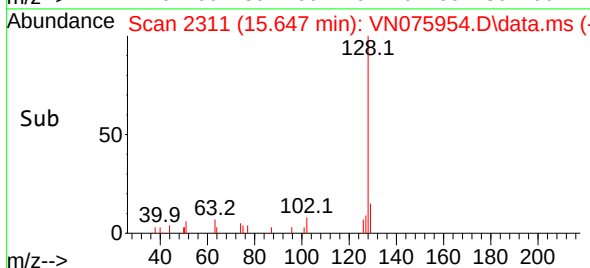
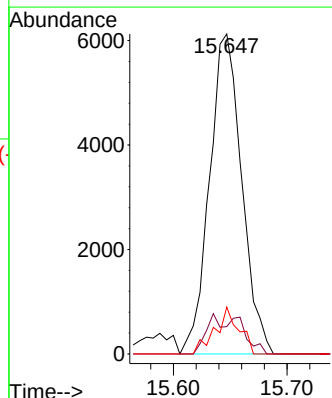
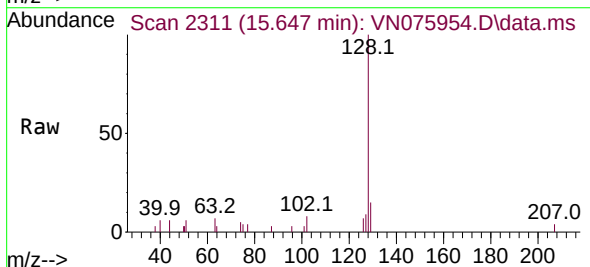
Tgt Ion:128 Resp: 12068

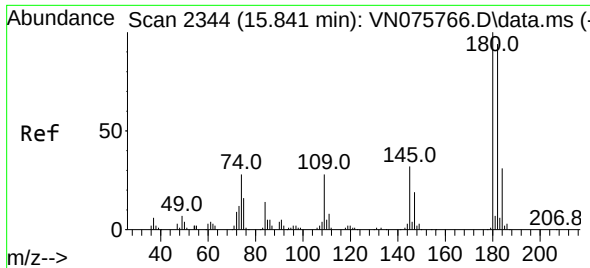
Ion Ratio Lower Upper

128 100

127 5.7 10.4 15.6#

129 10.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.099 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN075954.D
 Acq: 23 Dec 2022 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1223MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.0	141.0
145	33.6	16.0	47.9

