

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012723\
 Data File : VN076429.D
 Acq On : 27 Jan 2023 10:19
 Operator : JC\MD
 Sample : VN0127MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127MBL01

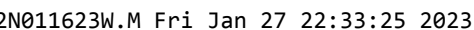
Quant Time: Jan 27 22:33:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

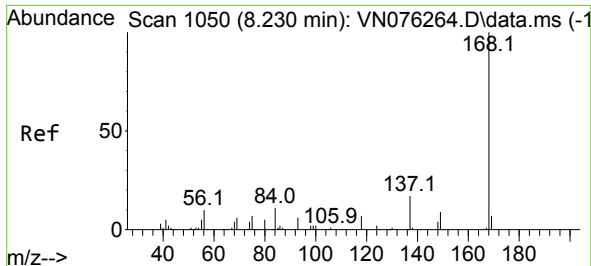
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	333797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	539757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	466480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	198172	53.023	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.040%			
35) Dibromofluoromethane	8.171	113	168025	49.764	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.520%			
50) Toluene-d8	10.571	98	627450	50.319	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.640%			
62) 4-Bromofluorobenzene	12.853	95	189795	46.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.240%			
Target Compounds					Qvalue	
5) Bromomethane	2.971	94	837	0.235	ug/l #	75
13) Acrolein	4.206	56	514	0.860	ug/l #	49
15) Acrylonitrile	5.730	53	530	0.373	ug/l #	20
16) Acetone	4.453	43	622	0.446	ug/l #	41
17) Carbon Disulfide	4.736	76	2063	0.259	ug/l #	73
20) Methylene Chloride	5.277	84	715	Below Cal	#	46
25) 2-Butanone	7.506	43	811	0.443	ug/l	90
31) Cyclohexane	8.230	56	7163	1.248	ug/l #	29
36) 1,1-Dichloropropene	8.230	75	25412	5.297	ug/l #	49
38) Carbon Tetrachloride	8.230	117	35596	6.653	ug/l #	16
51) 4-Methyl-2-Pentanone	10.447	43	1447	0.394	ug/l	92
59) 2-Hexanone	11.194	43	3120	1.172	ug/l	83
74) N-amyl acetate	12.500	43	1409	0.354	ug/l #	89
76) 1,2,3-Trichloropropane	12.853	75	102352	31.052	ug/l #	1
77) Bromobenzene	12.976	156	978	Below Cal		97
81) trans-1,4-Dichloro-2-b...	12.853	75	102352	95.208	ug/l #	11
87) 1,3-Dichlorobenzene	13.735	146	2716	0.416	ug/l	93
88) 1,4-Dichlorobenzene	13.735	146	2716	0.538	ug/l	92
89) n-Butylbenzene	14.065	91	3581	0.383	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	2973	0.458	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.735	75	177	0.256	ug/l #	64
93) 1,2,4-Trichlorobenzene	15.394	180	3481	2.385	ug/l	95
94) Hexachlorobutadiene	15.506	225	438	0.254	ug/l #	44
95) Naphthalene	15.641	128	15252	3.420	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	4426	2.599	ug/l	97

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

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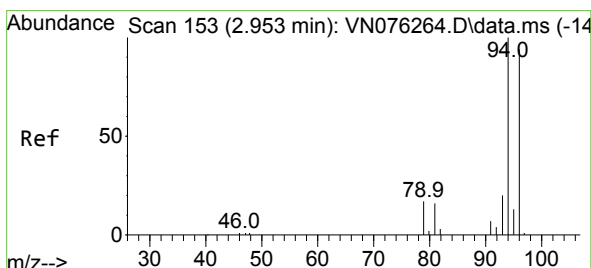
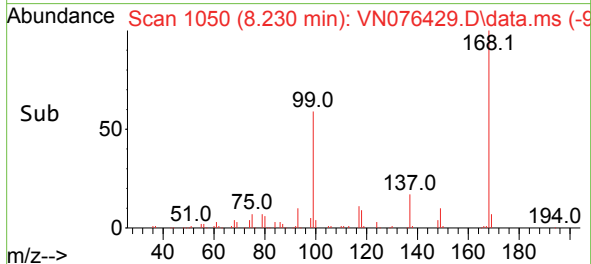
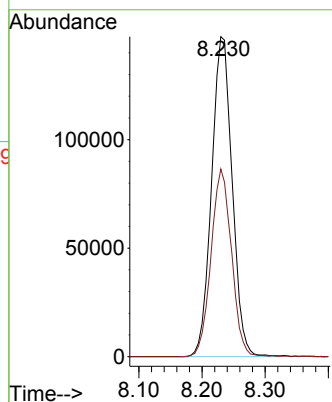
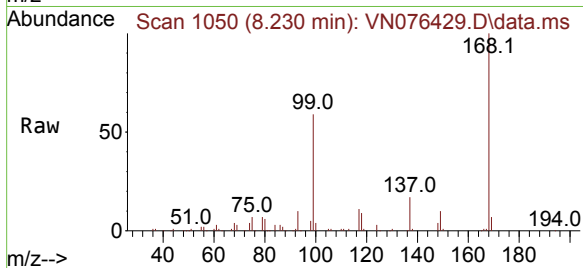




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

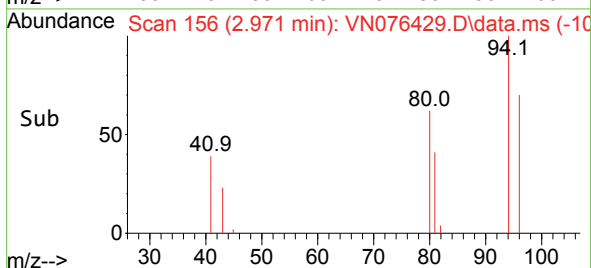
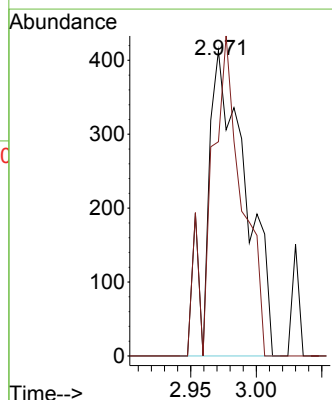
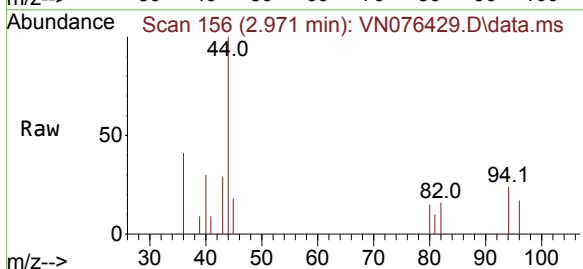
Instrument :
MSVOA_N
ClientSampleId :
VN0127MBL01

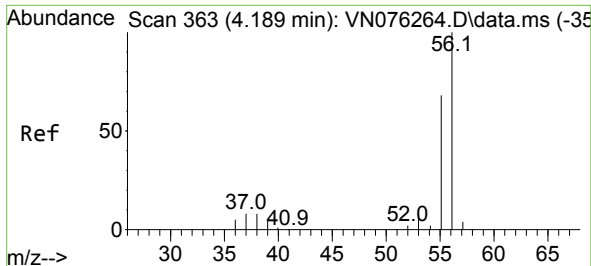
Tgt Ion:168 Resp: 333797
Ion Ratio Lower Upper
168 100
99 58.7 41.6 62.4



#5
Bromomethane
Concen: 0.235 ug/l
RT: 2.971 min Scan# 156
Delta R.T. 0.018 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

Tgt Ion: 94 Resp: 837
Ion Ratio Lower Upper
94 100
96 70.2 75.1 112.7#





#13

Acrolein

Concen: 0.860 ug/l

RT: 4.206 min Scan# 366

Delta R.T. 0.017 min

Lab File: VN076429.D

Acq: 27 Jan 2023 10:19

Instrument :

MSVOA_N

ClientSampleId :

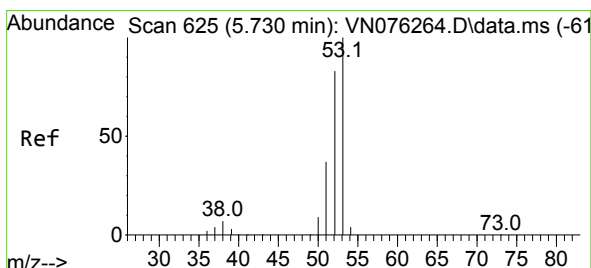
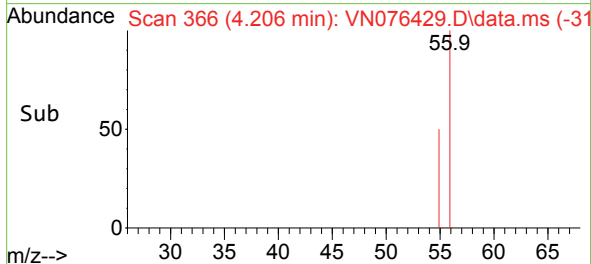
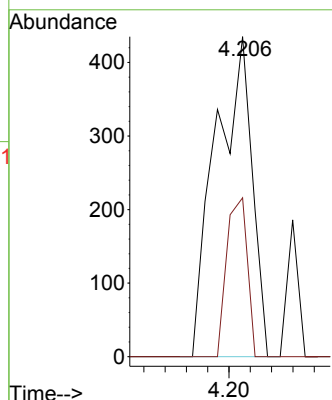
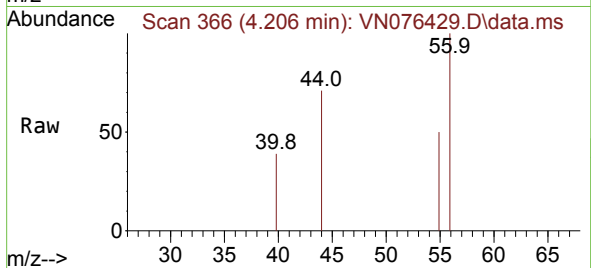
VN0127MBL01

Tgt Ion: 56 Resp: 514

Ion Ratio Lower Upper

56 100

55 28.0 55.8 83.6#



#15

Acrylonitrile

Concen: 0.373 ug/l

RT: 5.730 min Scan# 625

Delta R.T. -0.000 min

Lab File: VN076429.D

Acq: 27 Jan 2023 10:19

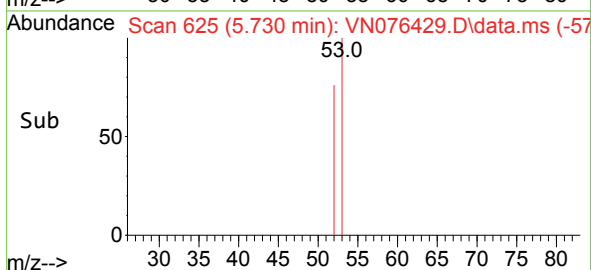
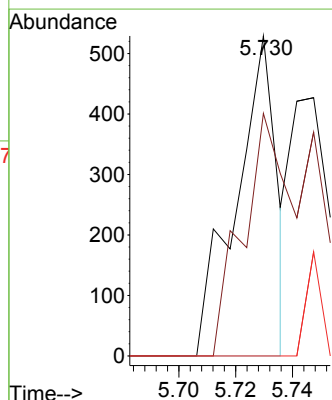
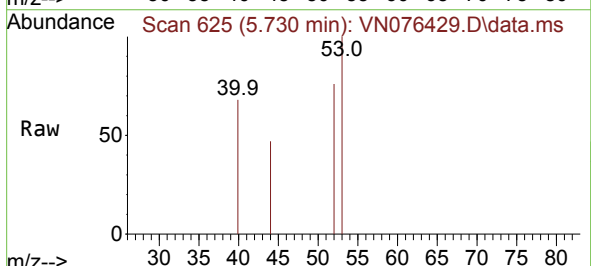
Tgt Ion: 53 Resp: 530

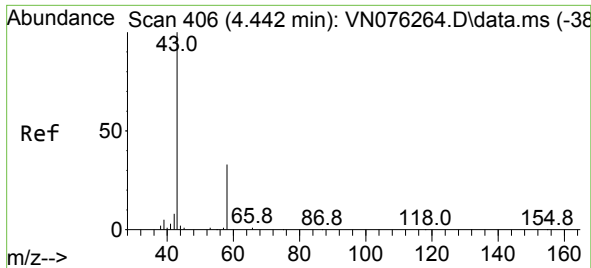
Ion Ratio Lower Upper

53 100

52 167.5 64.7 97.1#

51 11.5 29.2 43.8#





#16

Acetone

Concen: 0.446 ug/l

RT: 4.453 min Scan# 408

Delta R.T. 0.011 min

Lab File: VN076429.D

Acq: 27 Jan 2023 10:19

Instrument :

MSVOA_N

ClientSampleId :

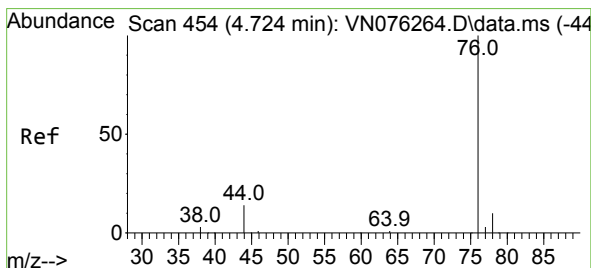
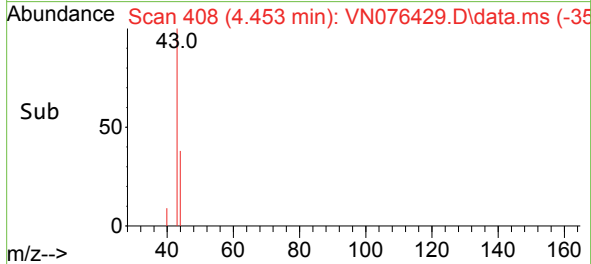
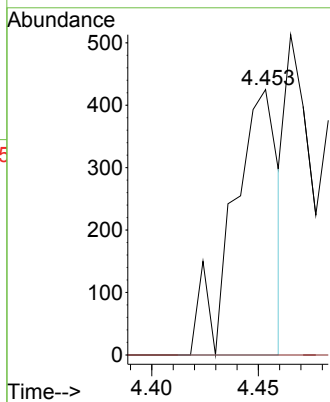
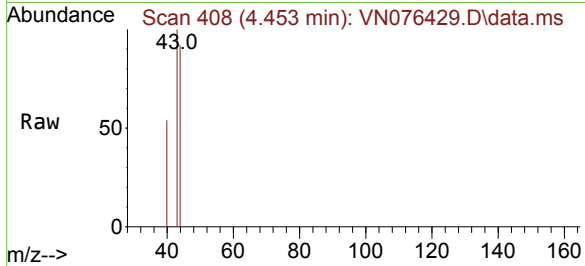
VN0127MBL01

Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

58 0.0 26.7 40.1#



#17

Carbon Disulfide

Concen: 0.259 ug/l

RT: 4.736 min Scan# 456

Delta R.T. 0.012 min

Lab File: VN076429.D

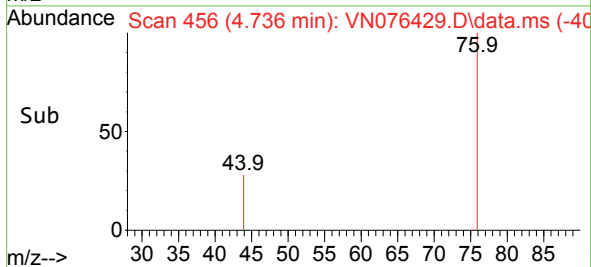
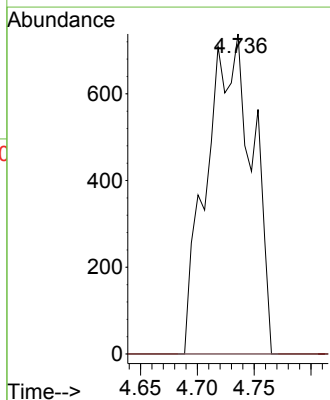
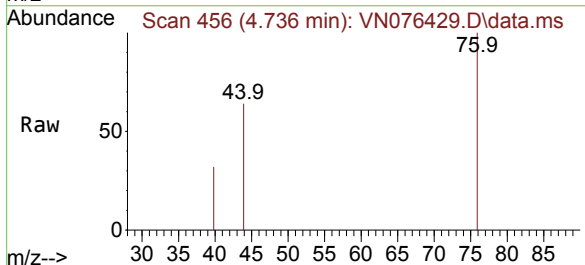
Acq: 27 Jan 2023 10:19

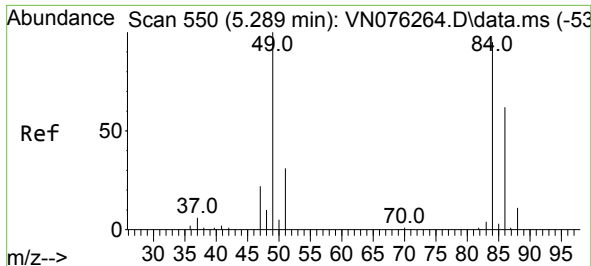
Tgt Ion: 76 Resp: 2063

Ion Ratio Lower Upper

76 100

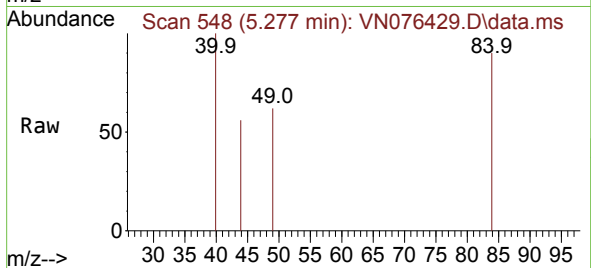
78 0.0 8.0 12.0#



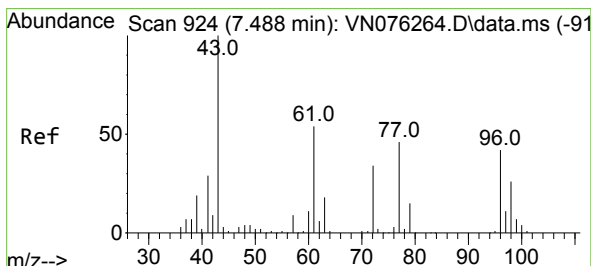
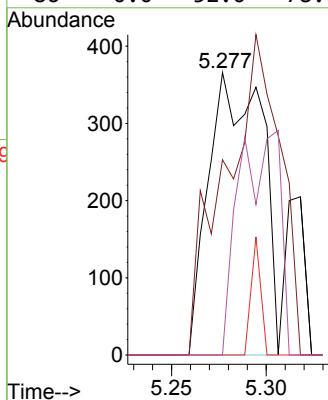
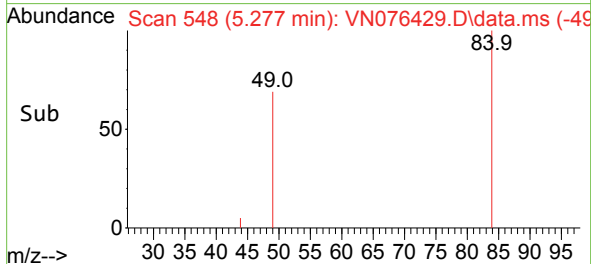


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 54
Delta R.T. -0.012 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

Instrument :
MSVOA_N
ClientSampleId :
VN0127MBL01

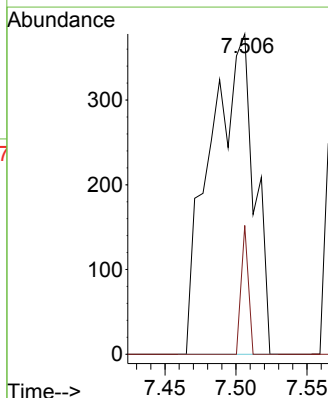
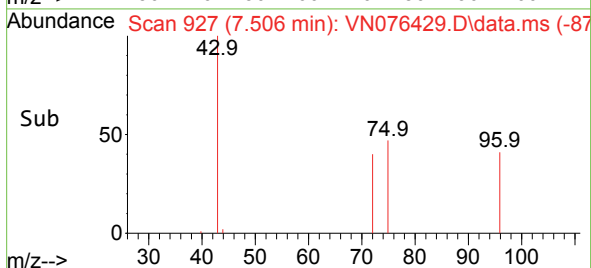
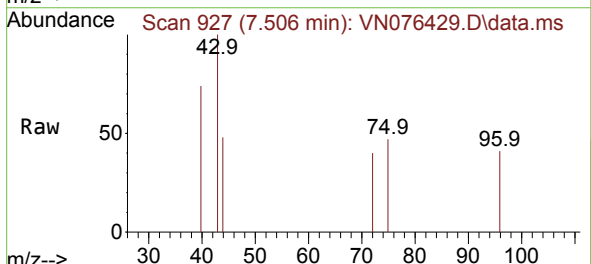


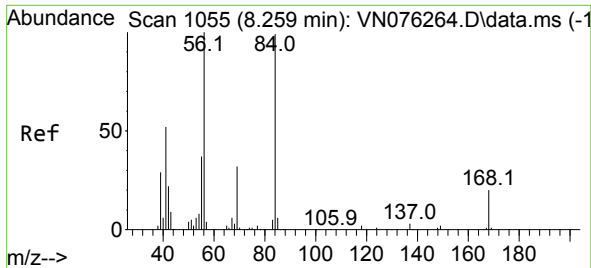
Tgt Ion: 84	Resp: 715
Ion Ratio	Lower Upper
84 100	
49 69.1	84.5 126.7#
51 0.0	26.0 39.0#
86 0.0	52.0 78.0#



#25
2-Butanone
Concen: 0.443 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

Tgt Ion: 43	Resp: 811		
Ion Ratio	Lower	Upper	
43 100			
72 40.2	27.4	41.2	

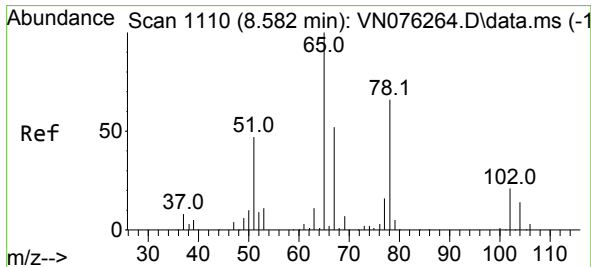
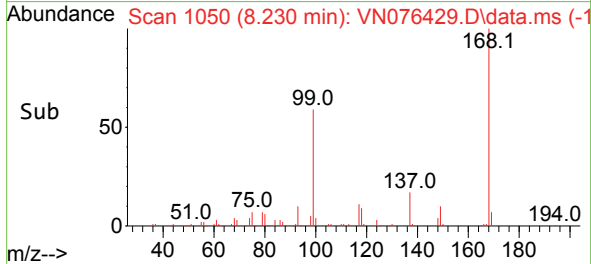
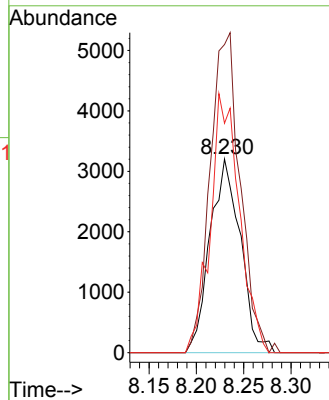
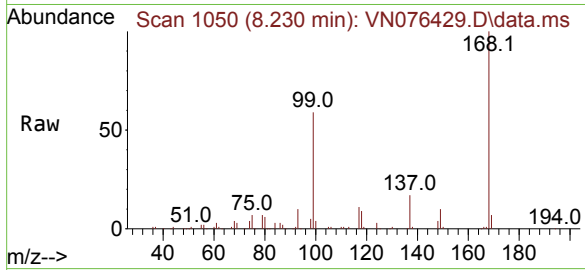




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

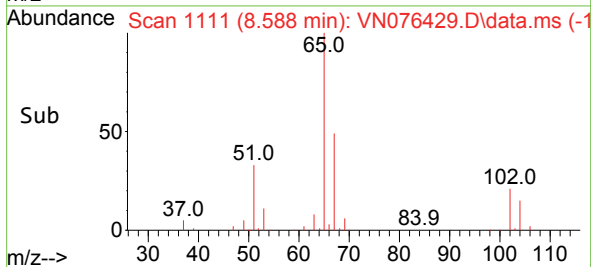
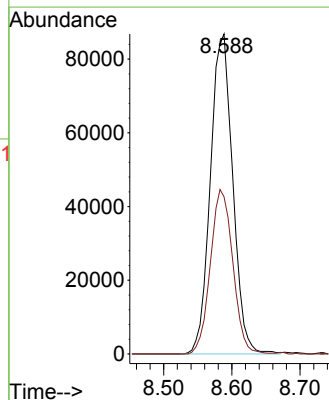
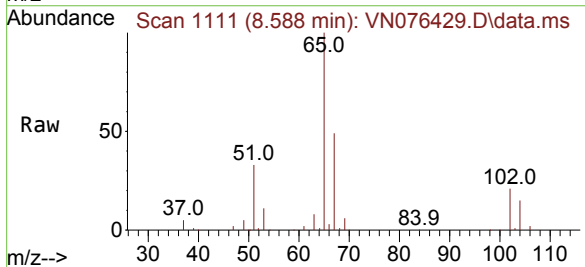
Instrument :
MSVOA_N
ClientSampleId :
VN0127MBL01

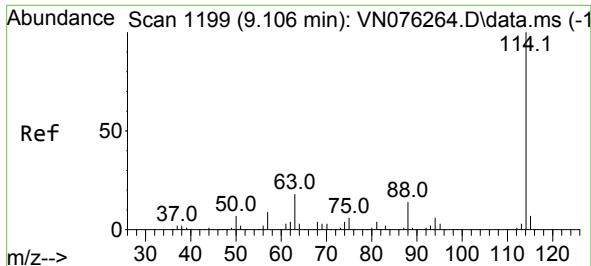
Tgt Ion: 56 Resp: 7163
Ion Ratio Lower Upper
56 100
69 159.2 25.8 38.8#
84 118.6 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 53.023 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

Tgt Ion: 65 Resp: 198172
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.6

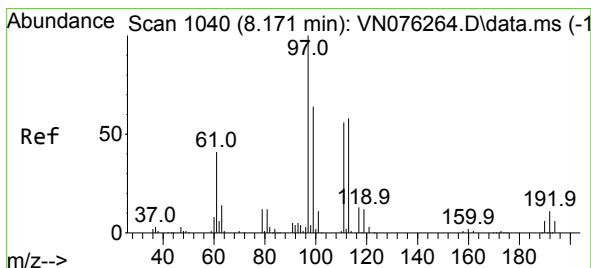
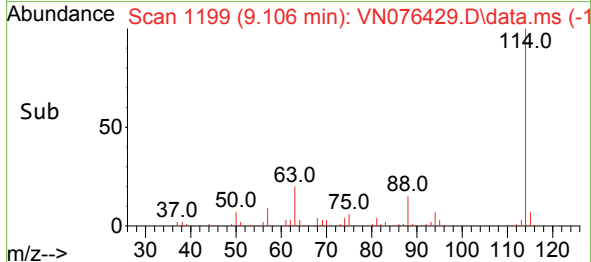
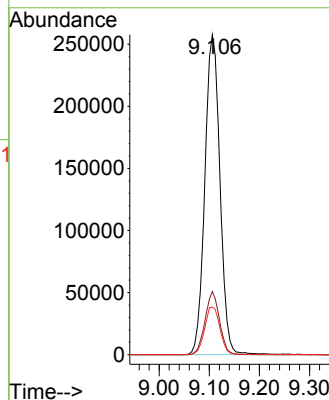
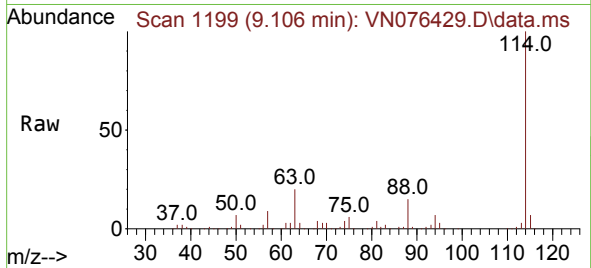




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

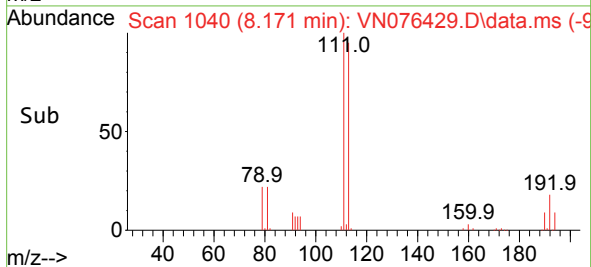
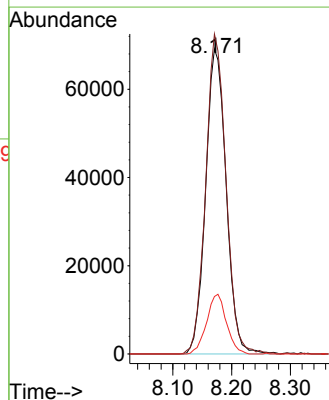
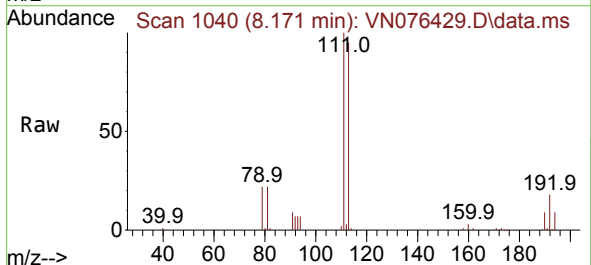
Instrument :
MSVOA_N
ClientSampleId :
VN0127MBL01

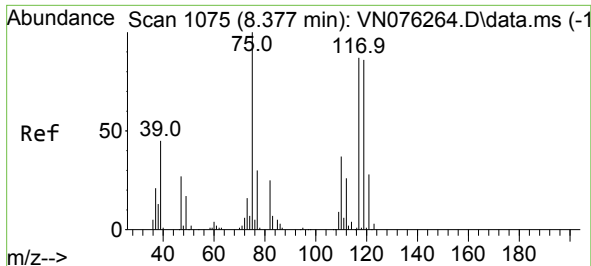
Tgt Ion:114 Resp: 539757
Ion Ratio Lower Upper
114 100
63 19.8 0.0 35.8
88 14.9 0.0 28.0



#35
Dibromofluoromethane
Concen: 49.764 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

Tgt Ion:113 Resp: 168025
Ion Ratio Lower Upper
113 100
111 103.6 82.7 124.1
192 18.9 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.297 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076429.D

Acq: 27 Jan 2023 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN0127MBL01

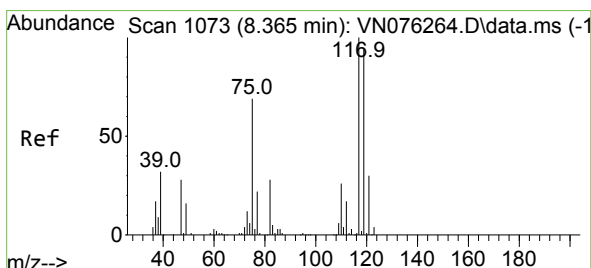
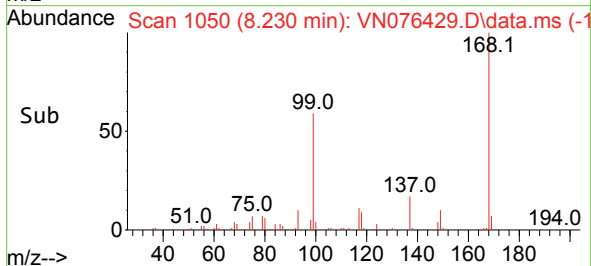
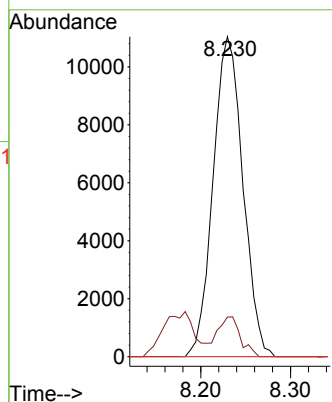
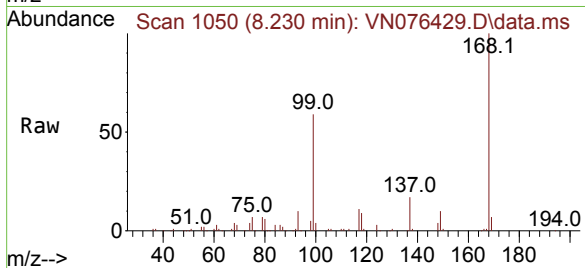
Tgt Ion: 75 Resp: 25412

Ion Ratio Lower Upper

75 100

110 9.8 18.8 56.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.653 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076429.D

Acq: 27 Jan 2023 10:19

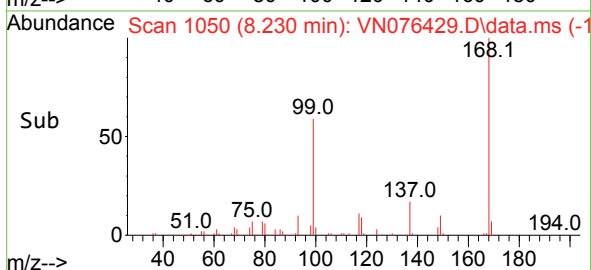
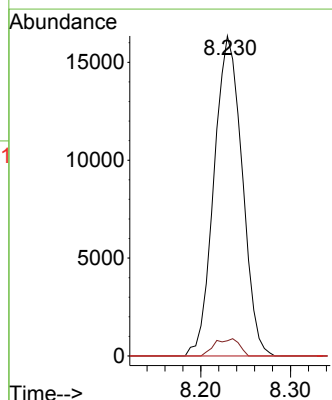
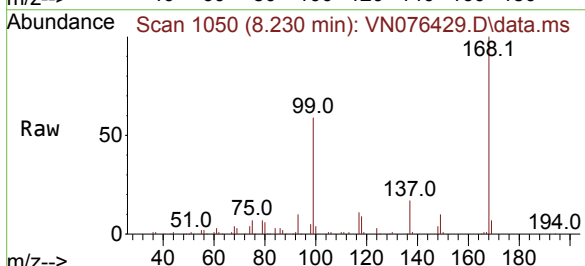
Tgt Ion: 117 Resp: 35596

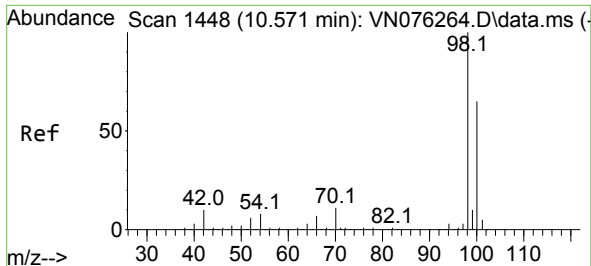
Ion Ratio Lower Upper

117 100

119 4.8 75.4 113.0#

121 0.0 24.2 36.2#

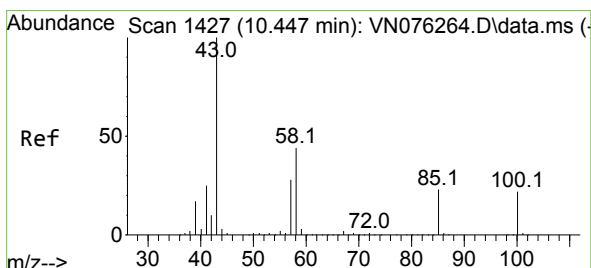
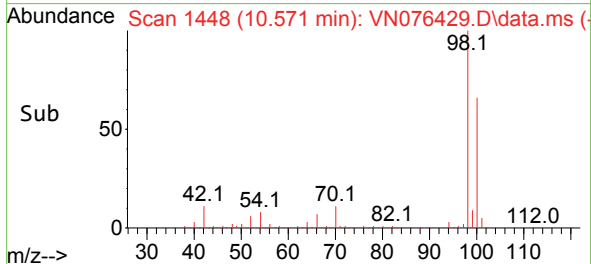
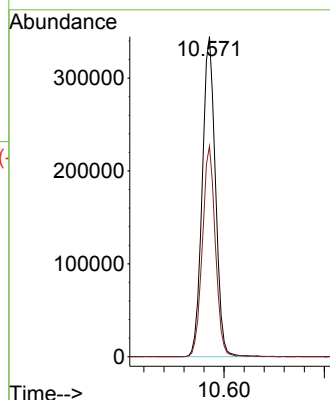
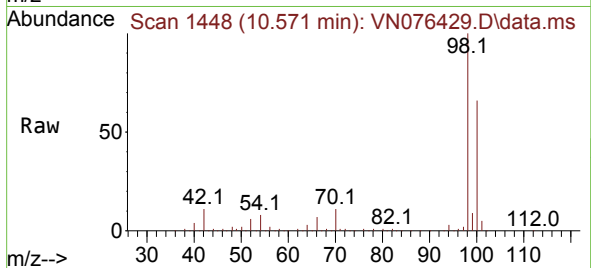




#50
Toluene-d8
Concen: 50.319 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

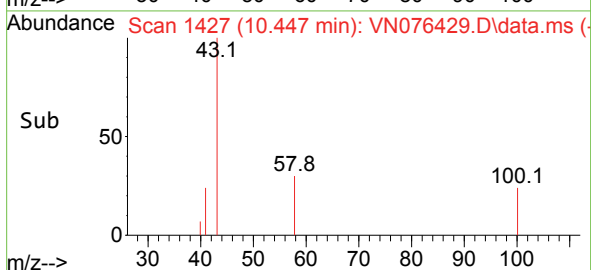
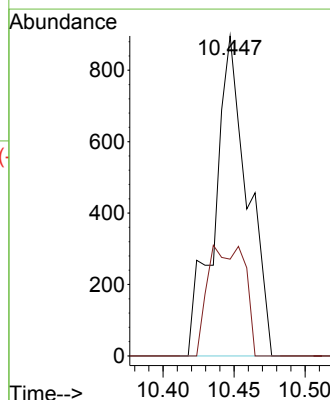
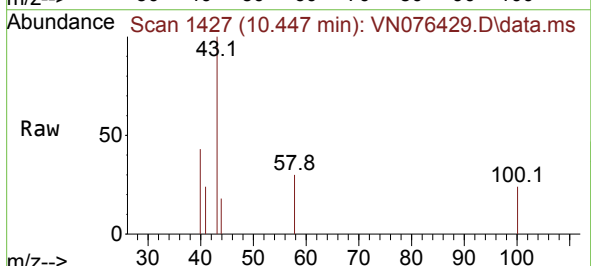
Instrument :
MSVOA_N
ClientSampleId :
VN0127MBL01

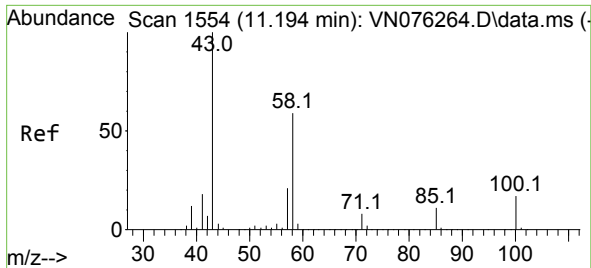
Tgt Ion: 98 Resp: 627450
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.394 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
58 38.6 35.1 52.7

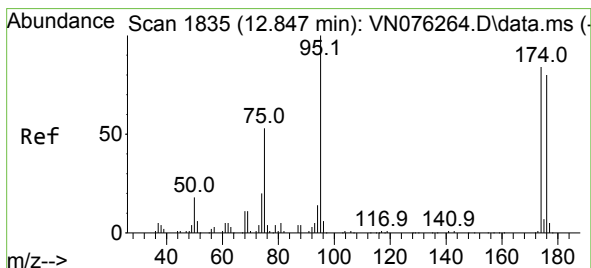
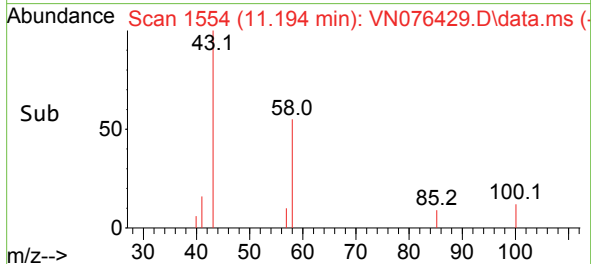
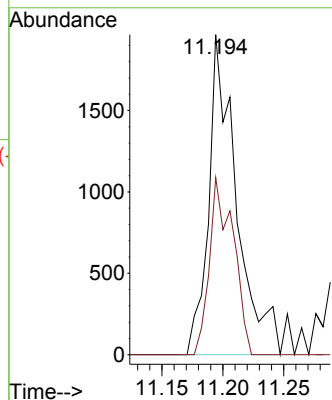
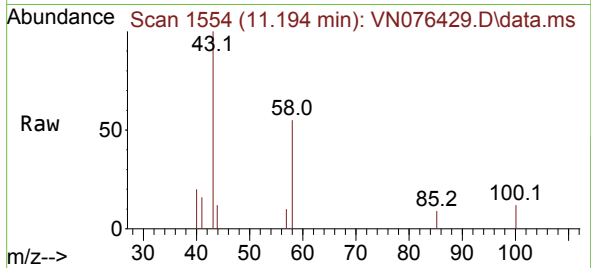




#59
2-Hexanone
Concen: 1.172 ug/l
RT: 11.194 min Scan# 11554
Delta R.T. 0.000 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

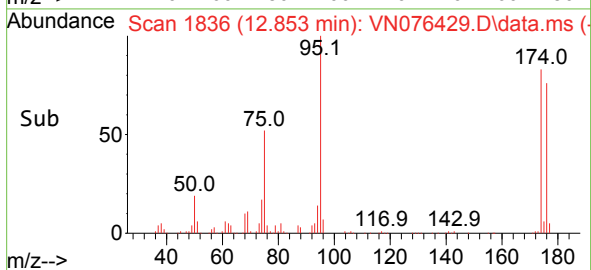
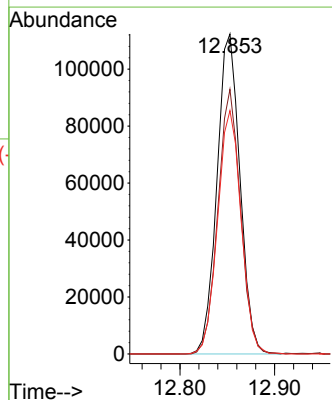
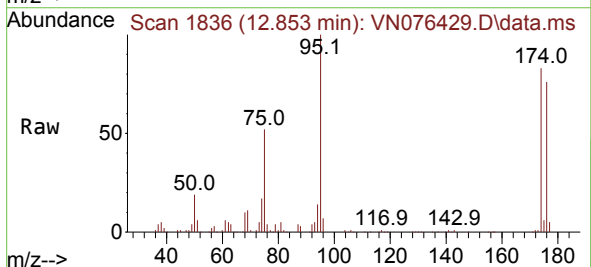
Instrument :
MSVOA_N
ClientSampleId :
VN0127MBL01

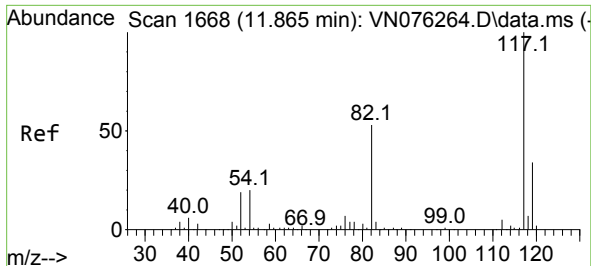
Tgt Ion: 43 Resp: 3120
Ion Ratio Lower Upper
43 100
58 47.4 30.1 90.3



#62
4-Bromofluorobenzene
Concen: 46.625 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

Tgt Ion: 95 Resp: 189795
Ion Ratio Lower Upper
95 100
174 81.2 0.0 174.6
176 77.7 0.0 167.8

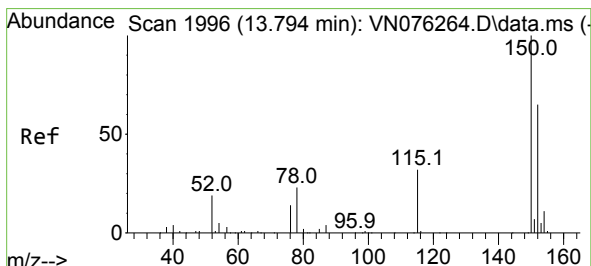
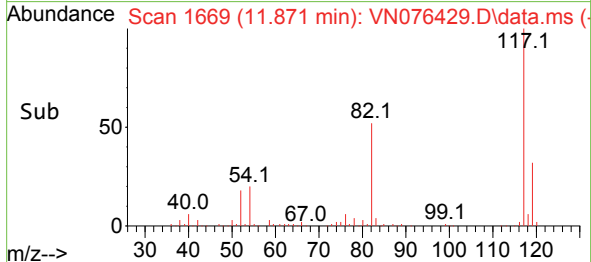
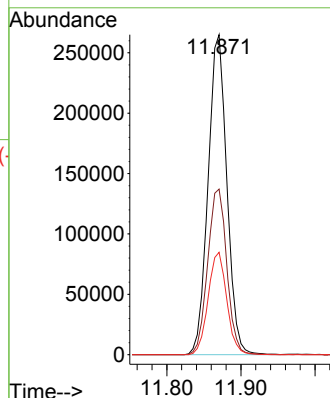
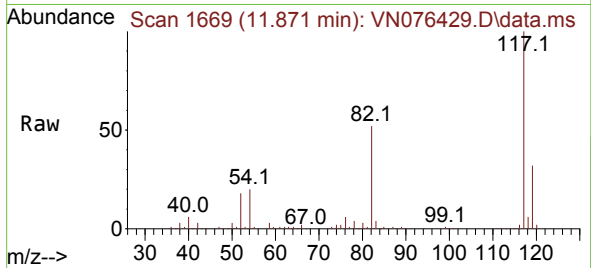




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

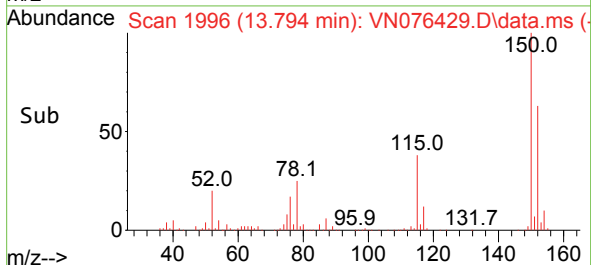
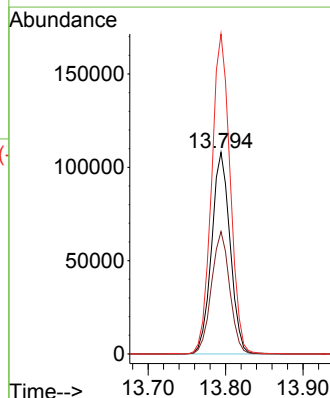
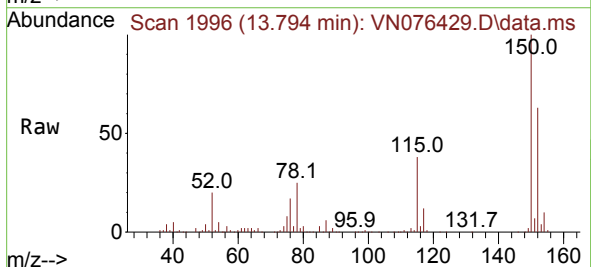
Instrument :
MSVOA_N
ClientSampleId :
VN0127MBL01

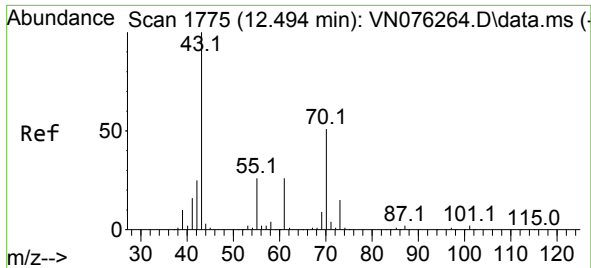
Tgt Ion:117 Resp: 466480
Ion Ratio Lower Upper
117 100
82 51.8 42.2 63.2
119 32.0 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

Tgt Ion:152 Resp: 178867
Ion Ratio Lower Upper
152 100
115 60.1 29.6 88.9
150 159.5 0.0 351.4

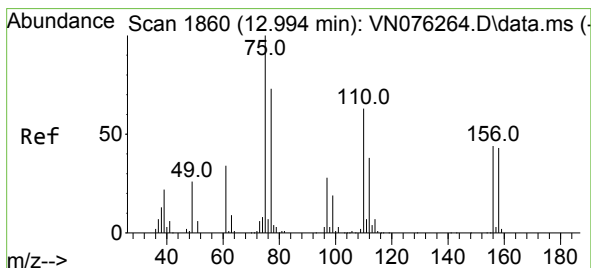
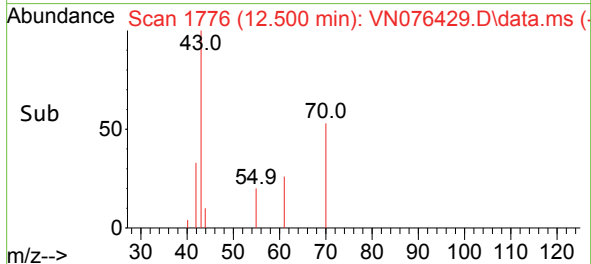
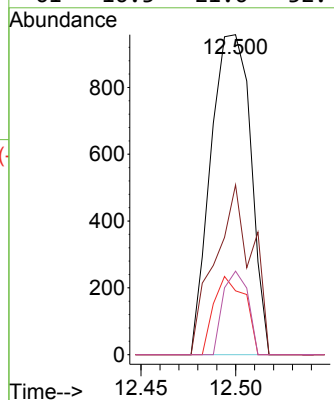
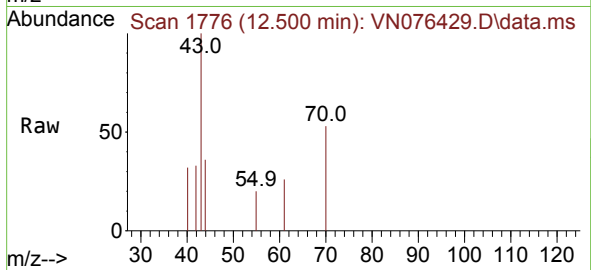




#74
N-amy1 acetate
Concen: 0.354 ug/l
RT: 12.500 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

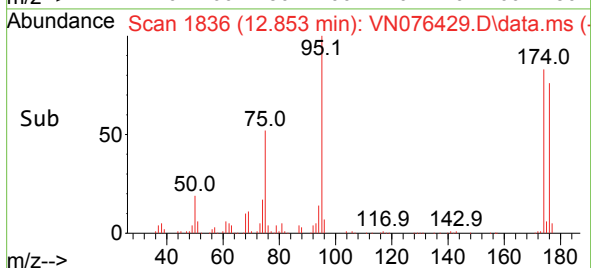
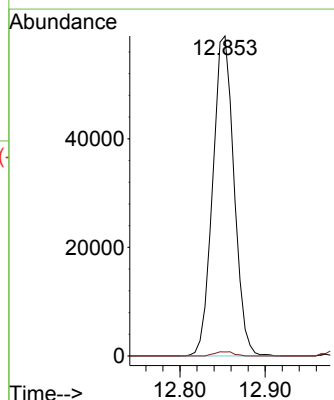
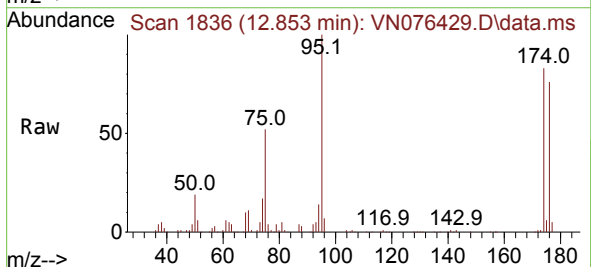
Instrument :
MSVOA_N
ClientSampleId :
VN0127MBL01

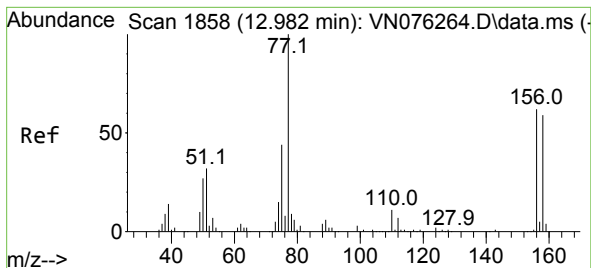
Tgt Ion: 43	Resp: 1409
Ion Ratio	Lower Upper
43 100	
70 49.3	41.2 61.8
55 18.9	21.0 31.6#
61 16.3	21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 31.052 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

Tgt Ion: 75	Resp: 102352
Ion Ratio	Lower Upper
75 100	
77 1.2	75.2 225.6#





#77

Bromobenzene

Concen: Below Cal

RT: 12.976 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VN076429.D

Acq: 27 Jan 2023 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN0127MBL01

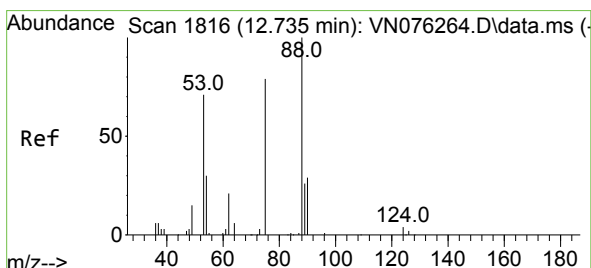
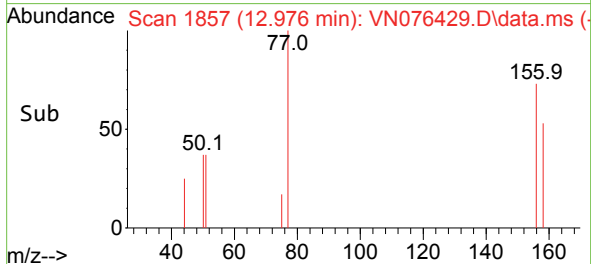
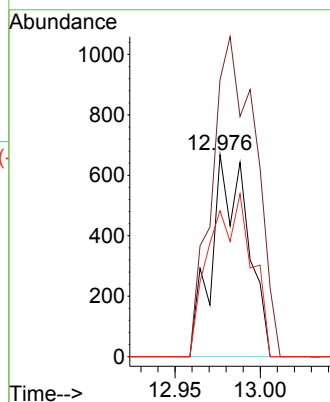
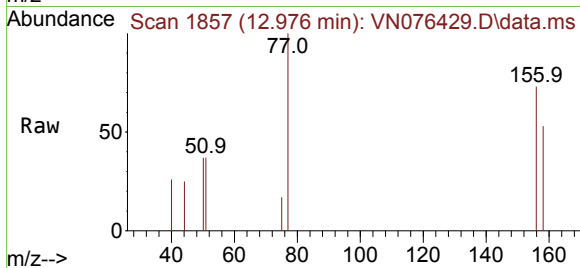
Tgt Ion:156 Resp: 978

Ion Ratio Lower Upper

156 100

77 191.4 93.4 280.2

158 94.6 48.4 145.2



#81

trans-1,4-Dichloro-2-butene

Concen: 95.208 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.118 min

Lab File: VN076429.D

Acq: 27 Jan 2023 10:19

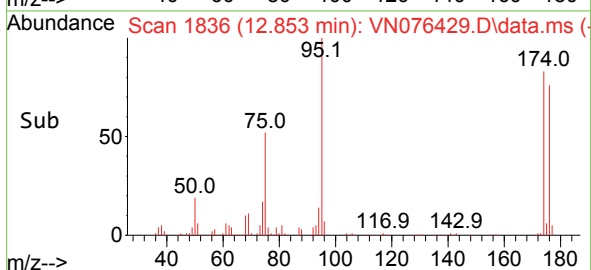
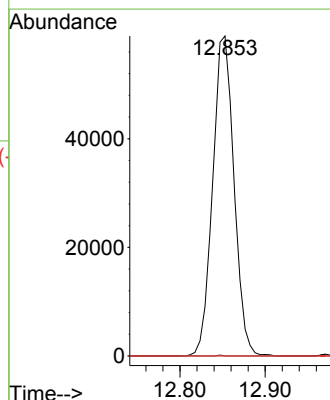
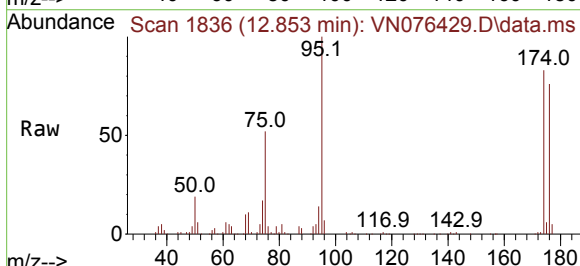
Tgt Ion: 75 Resp: 102352

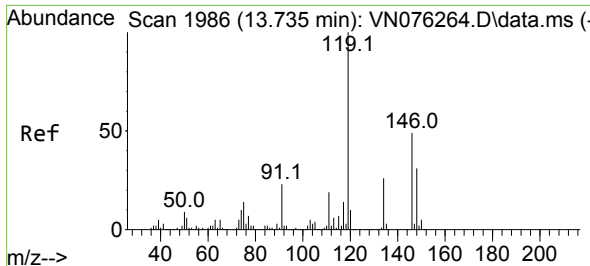
Ion Ratio Lower Upper

75 100

53 0.1 75.8 113.8#

89 0.0 37.0 55.6#

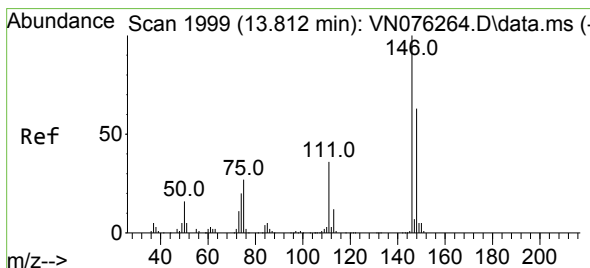
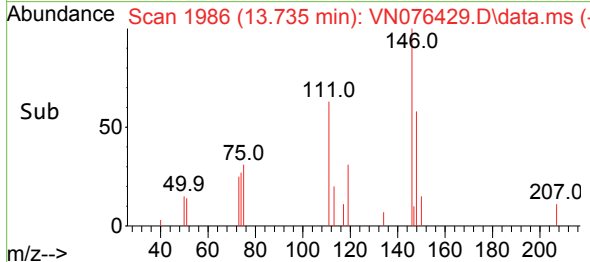
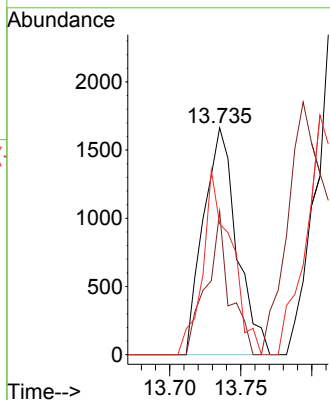
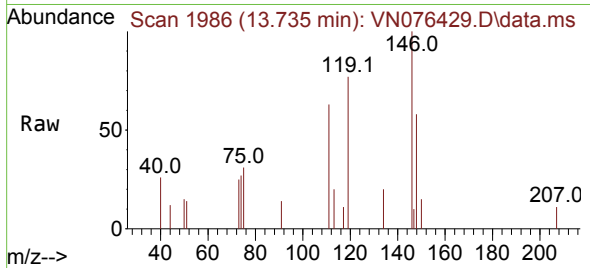




#87
1,3-Dichlorobenzene
Concen: 0.416 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

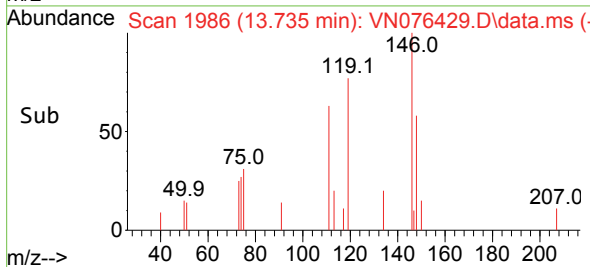
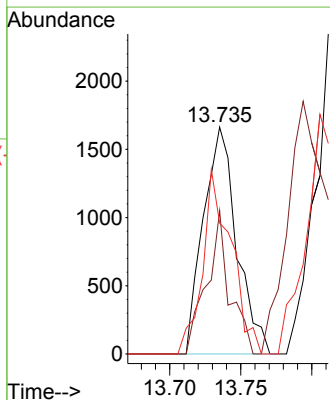
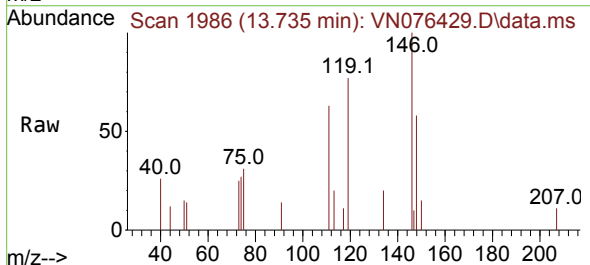
Instrument :
MSVOA_N
ClientSampleId :
VN0127MBL01

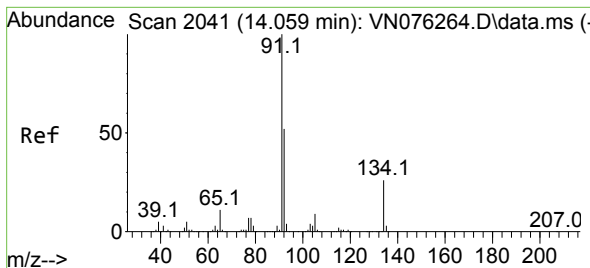
Tgt Ion:146 Resp: 2716
Ion Ratio Lower Upper
146 100
111 43.6 19.9 59.7
148 69.4 31.6 94.8



#88
1,4-Dichlorobenzene
Concen: 0.538 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.077 min
Lab File: VN076429.D
Acq: 27 Jan 2023 10:19

Tgt Ion:146 Resp: 2716
Ion Ratio Lower Upper
146 100
111 43.6 19.1 57.5
148 69.4 31.9 95.9





#89

n-Butylbenzene

Concen: 0.383 ug/l

RT: 14.065 min Scan# 2041

Delta R.T. 0.006 min

Lab File: VN076429.D

Acq: 27 Jan 2023 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN0127MBL01

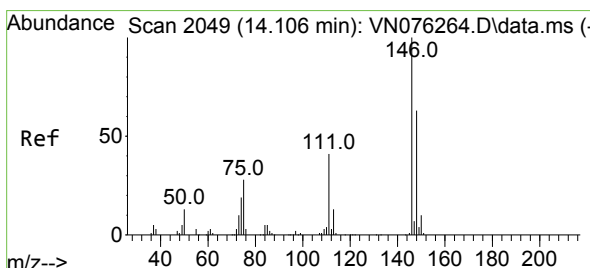
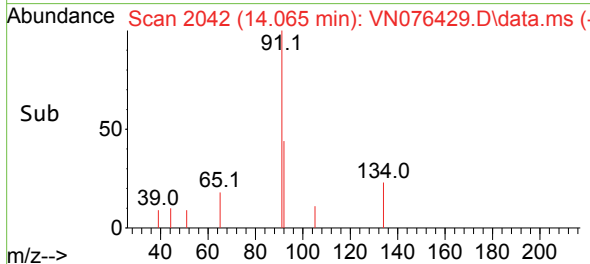
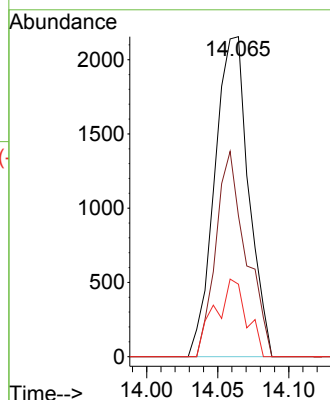
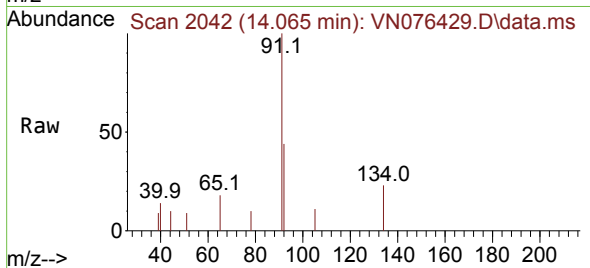
Tgt Ion: 91 Resp: 3581

Ion Ratio Lower Upper

91 100

92 57.0 26.3 78.9

134 22.6 13.2 39.5



#91

1,2-Dichlorobenzene

Concen: 0.458 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. -0.000 min

Lab File: VN076429.D

Acq: 27 Jan 2023 10:19

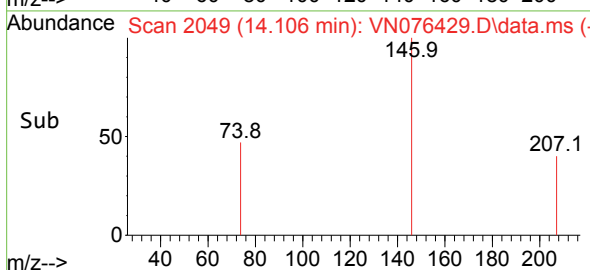
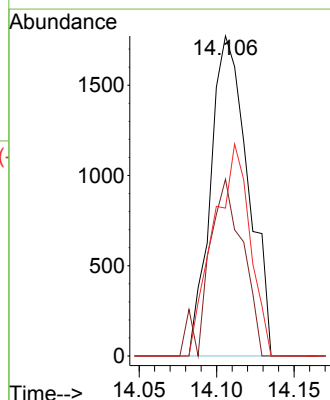
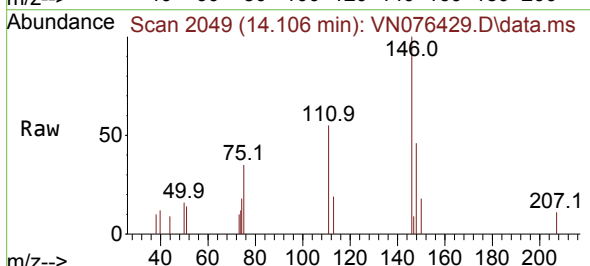
Tgt Ion:146 Resp: 2973

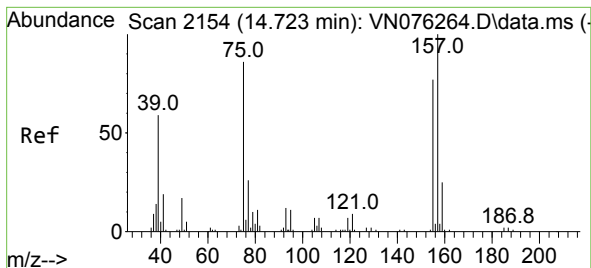
Ion Ratio Lower Upper

146 100

111 50.5 20.3 60.8

148 64.5 31.8 95.4

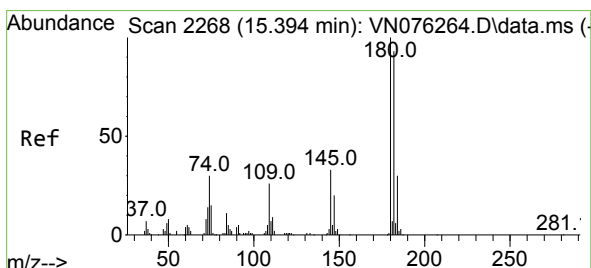
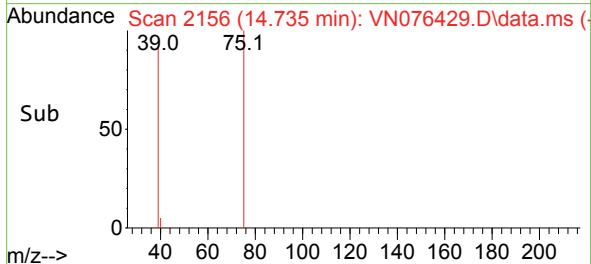
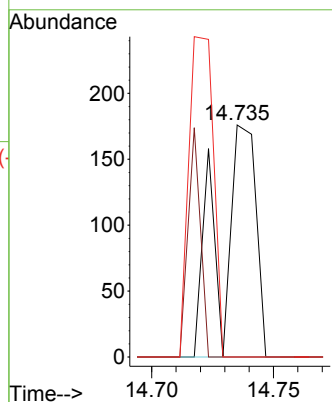
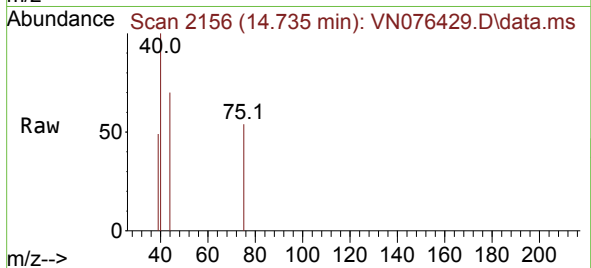




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.256 ug/l
 RT: 14.735 min Scan# 2156
 Delta R.T. 0.012 min
 Lab File: VN076429.D
 Acq: 27 Jan 2023 10:19

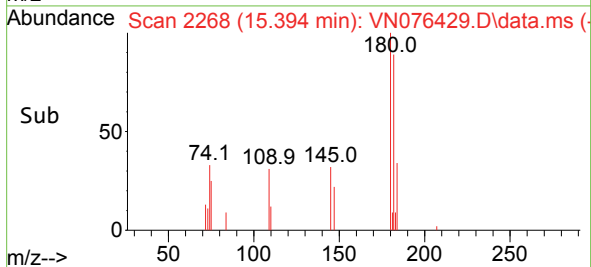
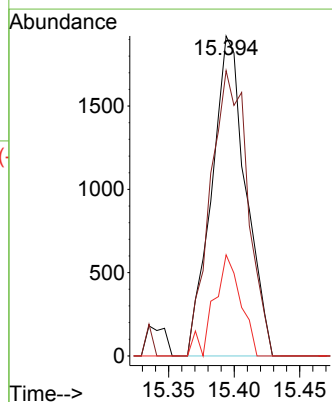
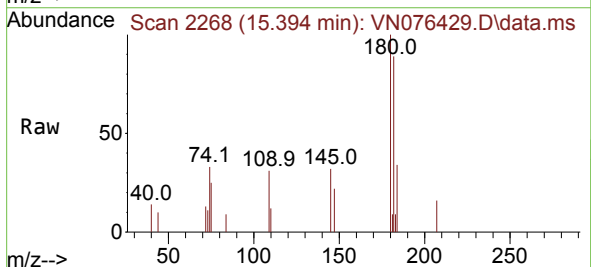
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127MBL01

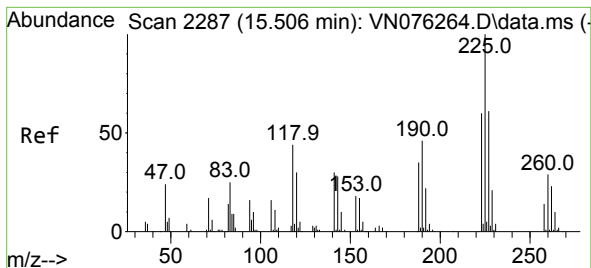
Tgt Ion: 75 Resp: 177
 Ion Ratio Lower Upper
 75 100
 155 34.5 45.0 135.0#
 157 96.6 58.3 174.9



#93
 1,2,4-Trichlorobenzene
 Concen: 2.385 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN076429.D
 Acq: 27 Jan 2023 10:19

Tgt Ion: 180 Resp: 3481
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.0 141.2
 145 24.8 15.2 45.5





#94

Hexachlorobutadiene

Concen: 0.254 ug/l

RT: 15.506 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076429.D

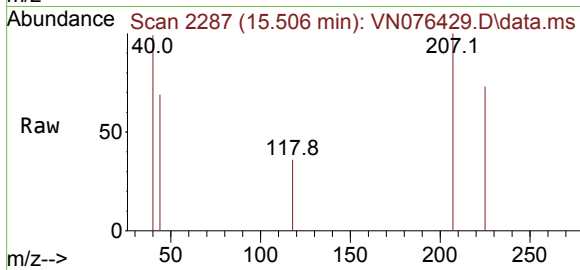
Acq: 27 Jan 2023 10:19

Instrument :

MSVOA_N

ClientSampleId :

VN0127MBL01



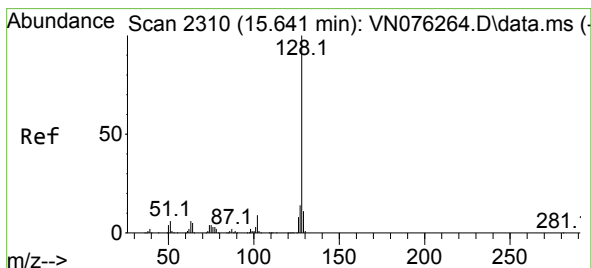
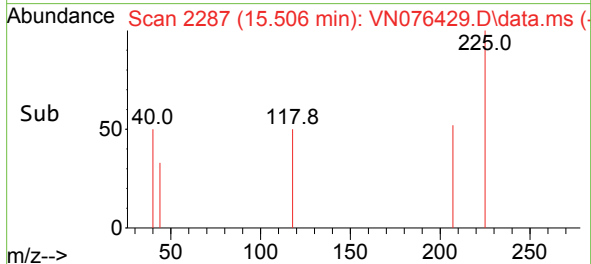
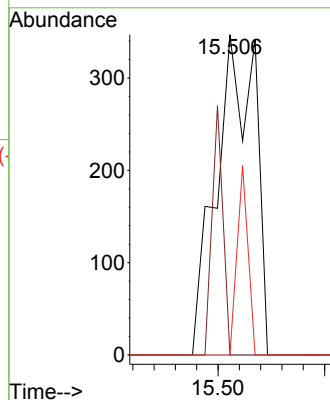
Tgt Ion:225 Resp: 438

Ion Ratio Lower Upper

225 100

223 21.7 30.8 92.3#

227 16.4 30.9 92.8#



#95

Naphthalene

Concen: 3.420 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076429.D

Acq: 27 Jan 2023 10:19

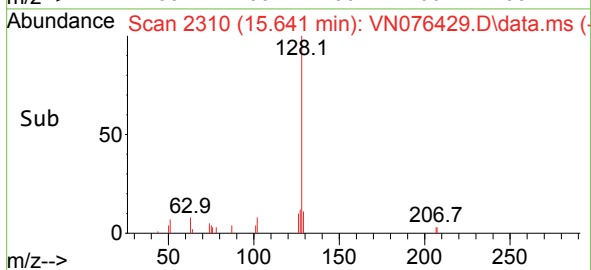
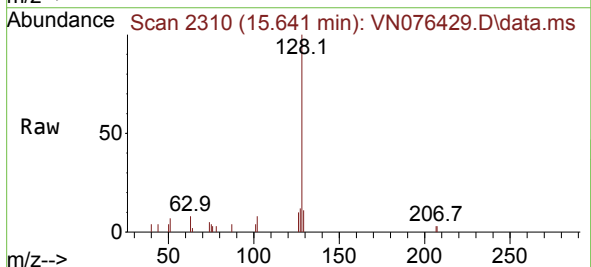
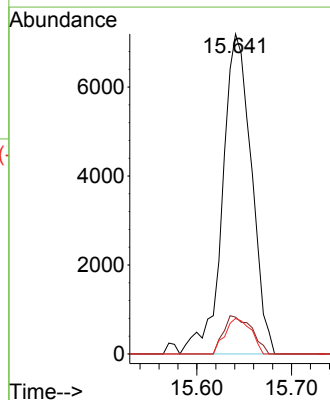
Tgt Ion:128 Resp: 15252

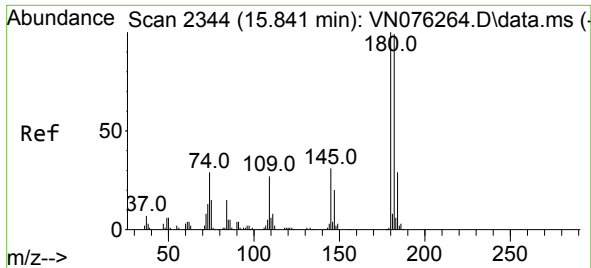
Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

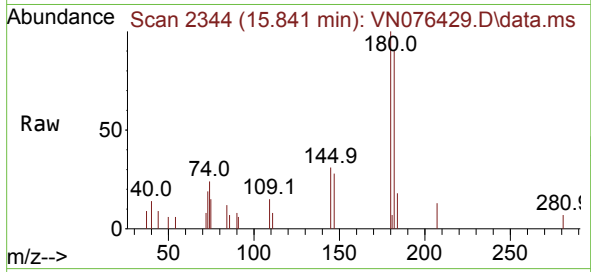
129 9.9 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.599 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076429.D
 Acq: 27 Jan 2023 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0127MBL01



Tgt Ion:	180	Resp:	4426
Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.5	142.5
145	31.0	15.9	47.6

