

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022823\
 Data File : VN076824.D
 Acq On : 28 Feb 2023 13:34
 Operator : JC\MD
 Sample : VN0228MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228MBL01

Quant Time: Mar 01 01:25:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

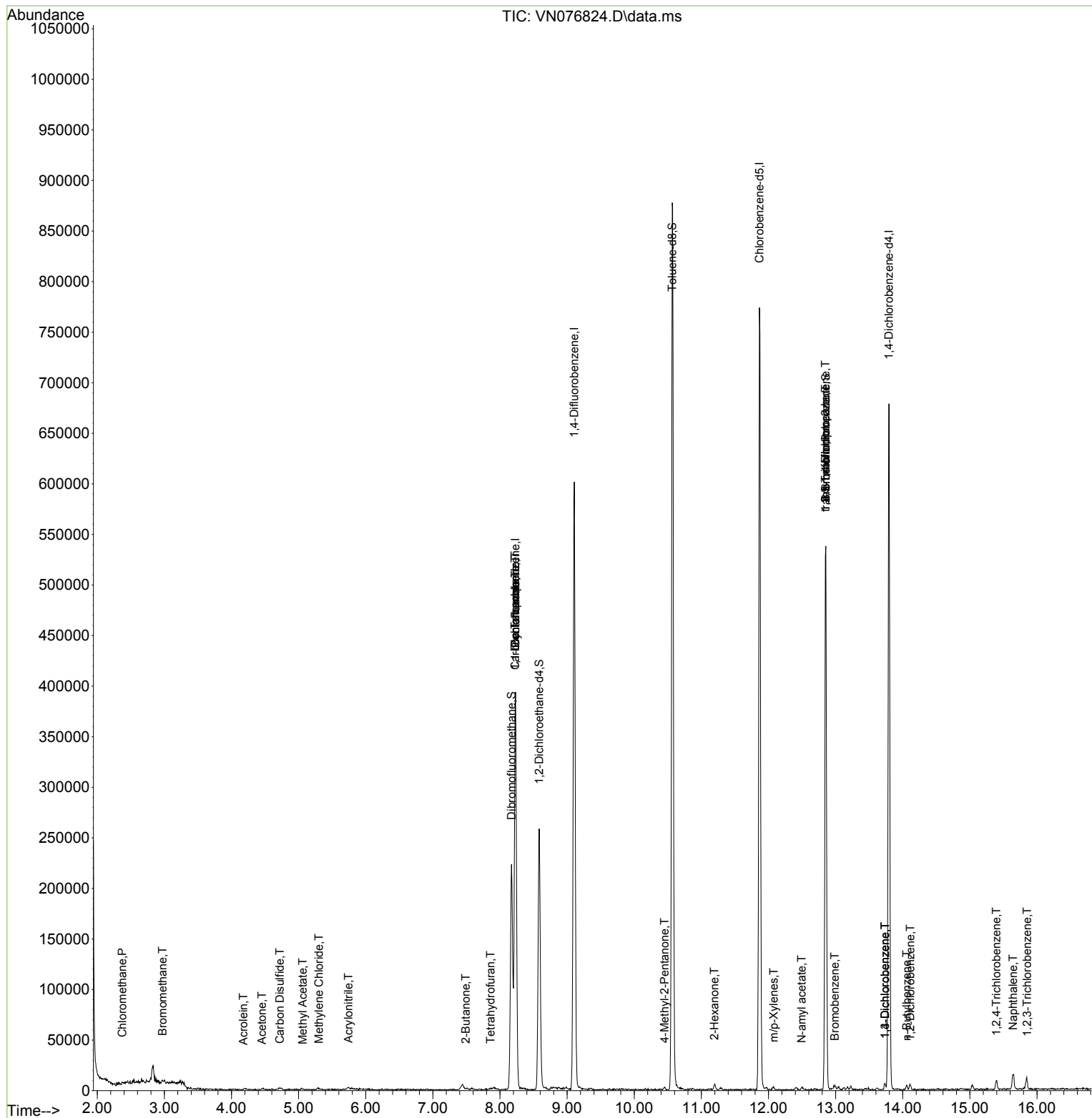
Internal Standards						
1) Pentafluorobenzene	8.231	168	279698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	497561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	439949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	168547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	199538	51.664	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.320%			
35) Dibromofluoromethane	8.172	113	158503	48.644	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.280%			
50) Toluene-d8	10.566	98	601442	49.425	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.840%			
62) 4-Bromofluorobenzene	12.854	95	179160	44.453	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.900%			
Target Compounds					Qvalue	
3) Chloromethane	2.372	50	943	0.243	ug/l #	18
5) Bromomethane	2.972	94	605	0.262	ug/l	85
13) Acrolein	4.178	56	379	0.495	ug/l #	62
15) Acrylonitrile	5.742	53	2674	1.478	ug/l #	64
16) Acetone	4.454	43	1225	0.710	ug/l #	42
17) Carbon Disulfide	4.719	76	1923	0.252	ug/l #	73
18) Methyl Acetate	5.060	43	1541	0.274	ug/l #	54
20) Methylene Chloride	5.301	84	783	0.217	ug/l #	52
25) 2-Butanone	7.489	43	2016	0.792	ug/l #	51
29) Tetrahydrofuran	7.860	42	890	0.535	ug/l #	55
31) Cyclohexane	8.231	56	7630	1.259	ug/l #	23
36) 1,1-Dichloropropene	8.225	75	26023	5.528	ug/l #	49
38) Carbon Tetrachloride	8.225	117	30742	6.473	ug/l #	19
51) 4-Methyl-2-Pentanone	10.454	43	2056	0.401	ug/l	94
59) 2-Hexanone	11.195	43	4529	1.225	ug/l	83
68) m/p-Xylenes	12.077	106	1285	0.210	ug/l #	70
71) Bromoform	12.854	173	1465	0.590	ug/l #	1
74) N-amyl acetate	12.495	43	1938	0.348	ug/l #	77
76) 1,2,3-Trichloropropane	12.848	75	98094	28.787	ug/l #	1
77) Bromobenzene	12.989	156	834	0.271	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.848	75	98094	83.845	ug/l #	4
87) 1,3-Dichlorobenzene	13.736	146	2512	0.431	ug/l	97
88) 1,4-Dichlorobenzene	13.736	146	2512	0.433	ug/l	96
89) n-Butylbenzene	14.060	91	2854	0.319	ug/l	99
91) 1,2-Dichlorobenzene	14.113	146	2847	0.477	ug/l	80
93) 1,2,4-Trichlorobenzene	15.395	180	2735	0.918	ug/l	89
95) Naphthalene	15.642	128	14883	1.646	ug/l	95
96) 1,2,3-Trichlorobenzene	15.854	180	3873	1.342	ug/l	94

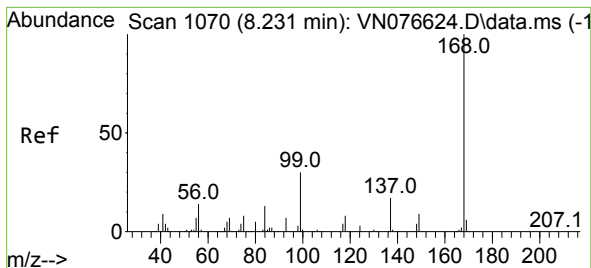
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration

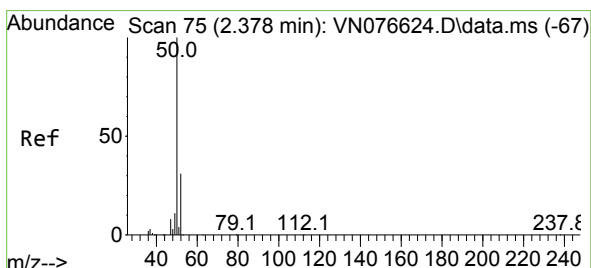
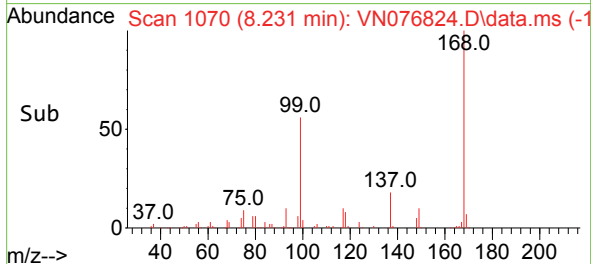
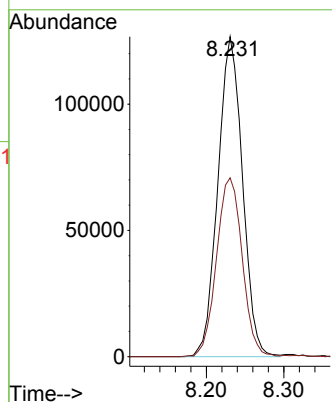
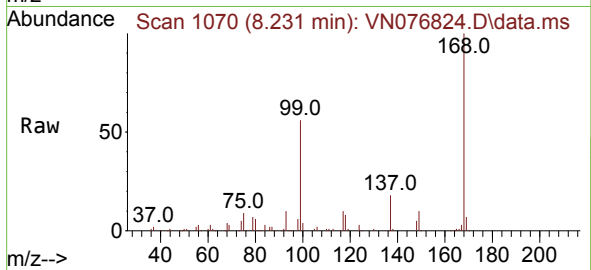




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

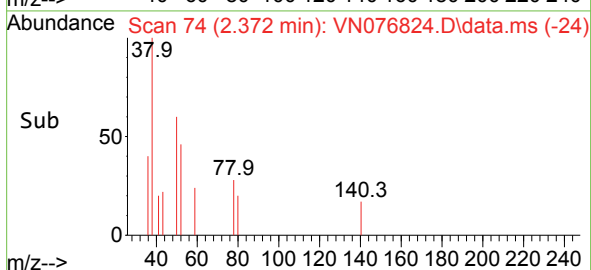
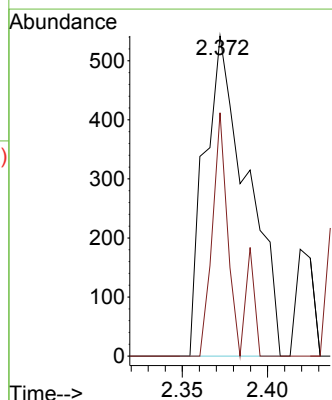
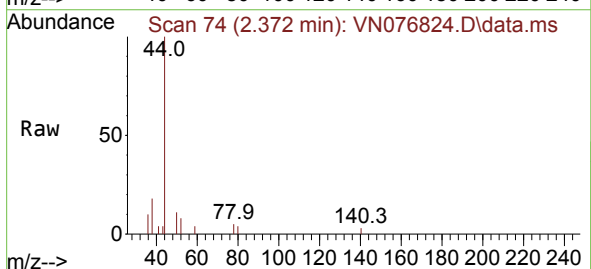
Instrument :
MSVOA_N
ClientSampleId :
VN0228MBL01

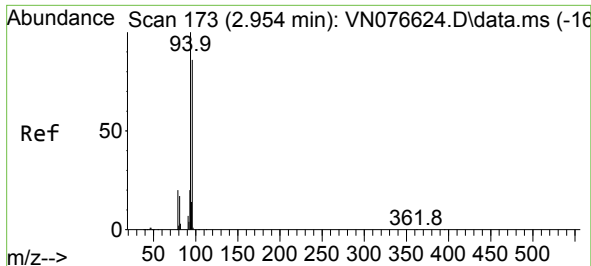
Tgt Ion:168 Resp: 279698
Ion Ratio Lower Upper
168 100
99 55.9 44.8 67.2



#3
Chloromethane
Concen: 0.243 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

Tgt Ion: 50 Resp: 943
Ion Ratio Lower Upper
50 100
52 76.0 24.7 37.1#

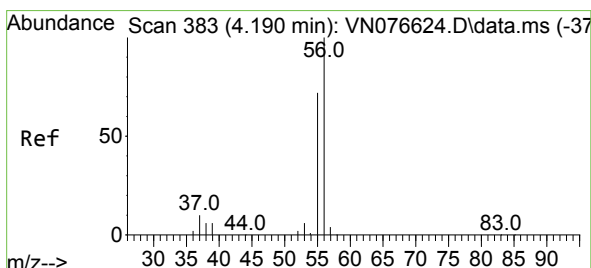
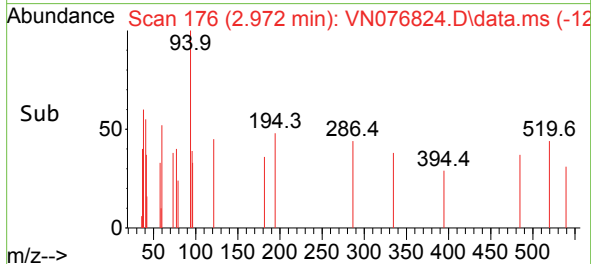
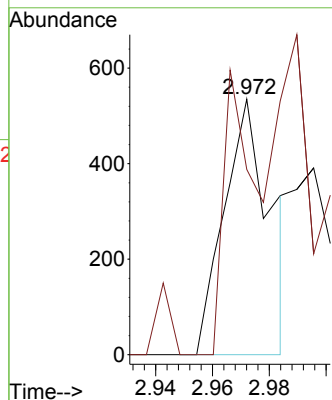
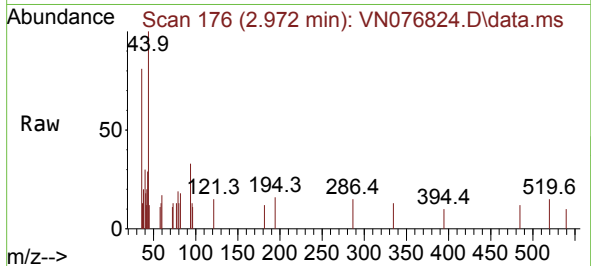




#5
Bromomethane
Concen: 0.262 ug/l
RT: 2.972 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

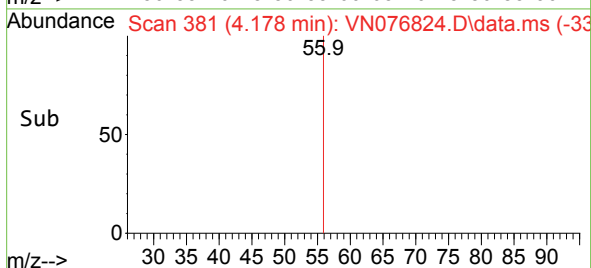
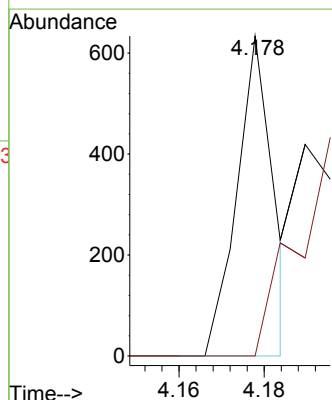
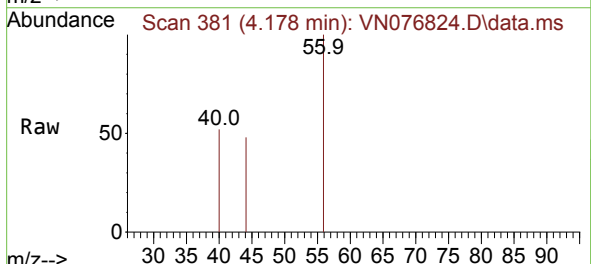
Instrument :
MSVOA_N
ClientSampleId :
VN0228MBL01

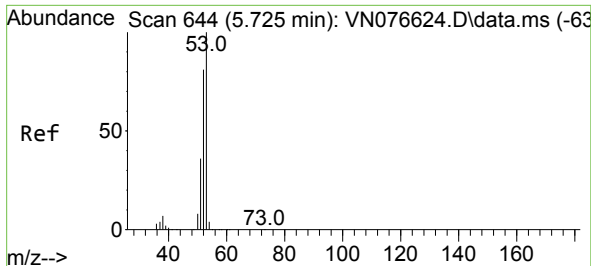
Tgt Ion: 94 Resp: 605
Ion Ratio Lower Upper
94 100
96 72.5 69.0 103.4



#13
Acrolein
Concen: 0.495 ug/l
RT: 4.178 min Scan# 381
Delta R.T. -0.012 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
55 101.6 56.3 84.5#

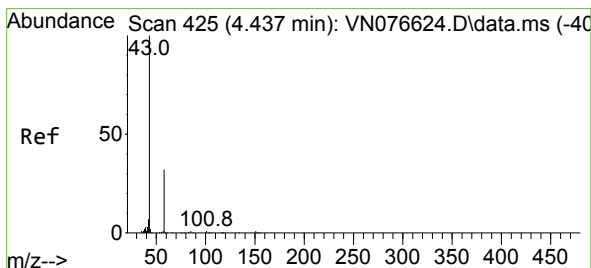
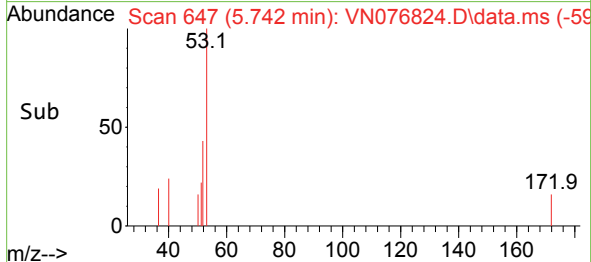
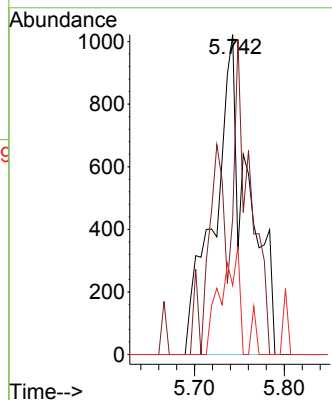
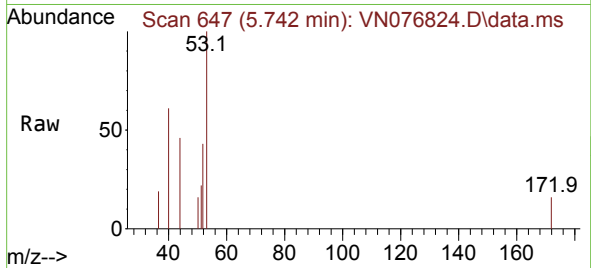




#15
Acrylonitrile
Concen: 1.478 ug/l
RT: 5.742 min Scan# 644
Delta R.T. 0.017 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

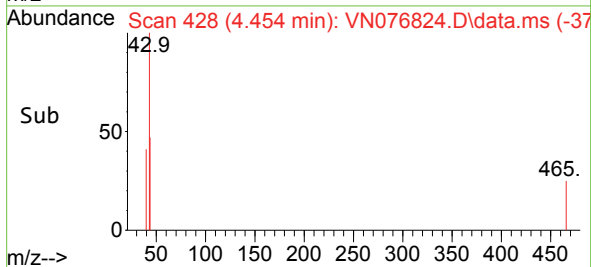
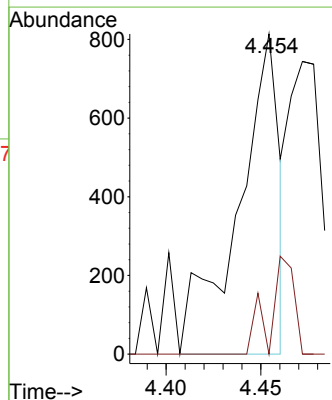
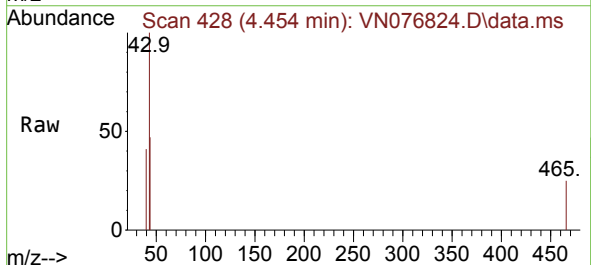
Instrument :
MSVOA_N
ClientSampleId :
VN0228MBL01

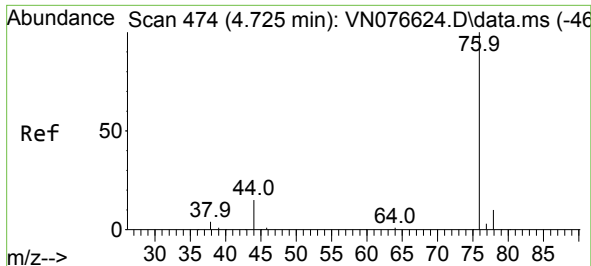
Tgt Ion: 53 Resp: 2674
Ion Ratio Lower Upper
53 100
52 47.8 65.3 97.9#
51 18.3 29.2 43.8#



#16
Acetone
Concen: 0.710 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

Tgt Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#

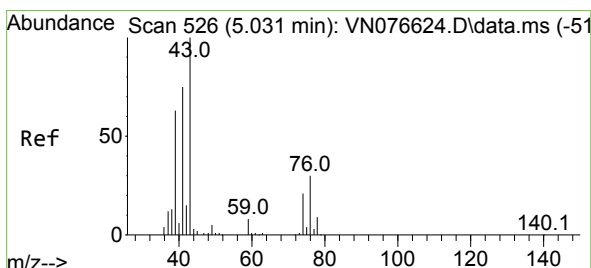
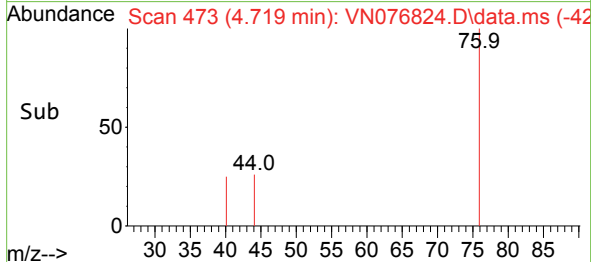
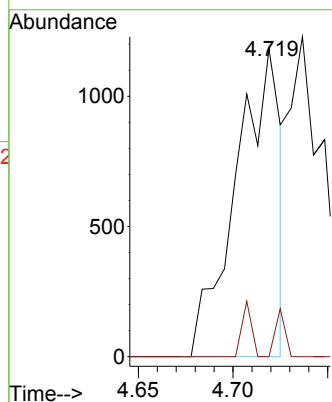
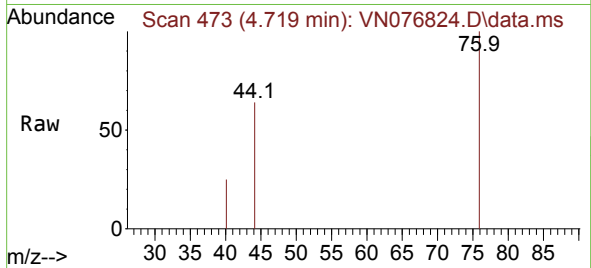




#17
Carbon Disulfide
Concen: 0.252 ug/l
RT: 4.719 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

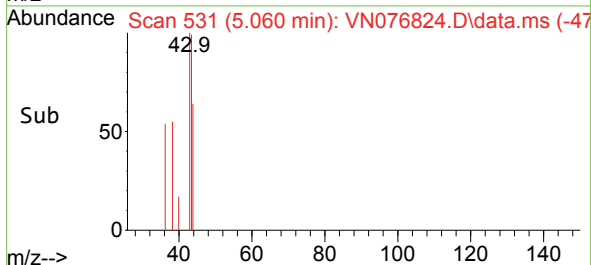
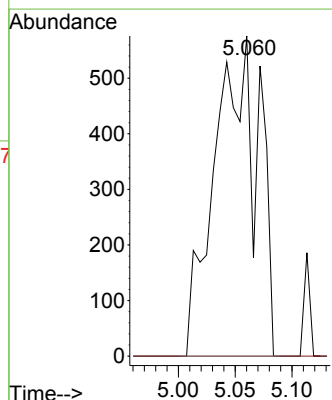
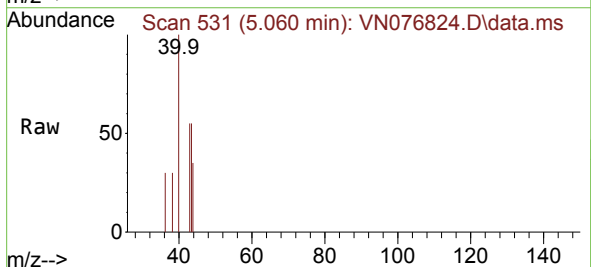
Instrument :
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VN0228MBL01

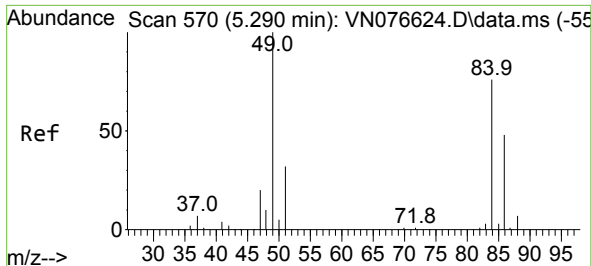
Tgt Ion: 76 Resp: 1923
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



#18
Methyl Acetate
Concen: 0.274 ug/l
RT: 5.060 min Scan# 531
Delta R.T. 0.029 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#





#20

Methylene Chloride

Concen: 0.217 ug/l

RT: 5.301 min Scan# 51

Delta R.T. 0.011 min

Lab File: VN076824.D

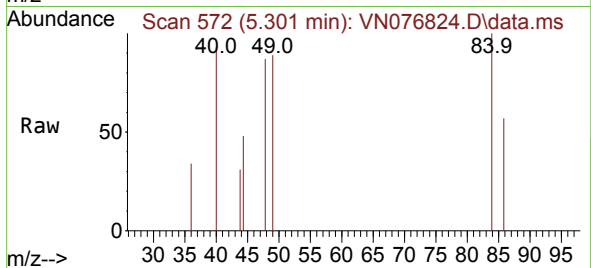
Acq: 28 Feb 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

VN0228MBL01



Tgt Ion: 84 Resp: 783

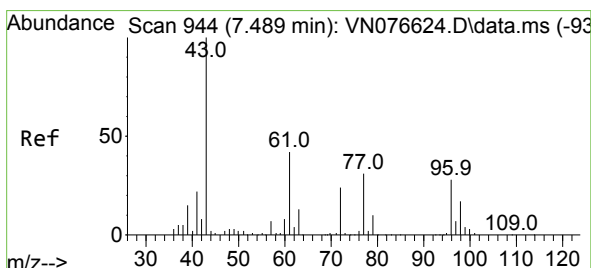
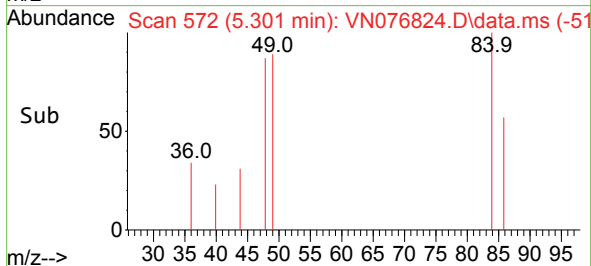
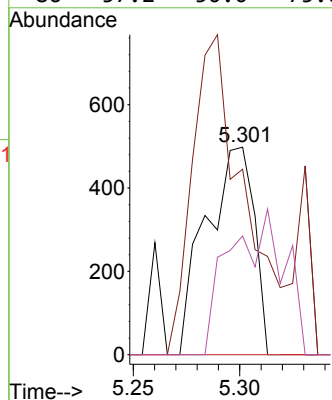
Ion Ratio Lower Upper

84 100

49 58.8 104.9 157.3#

51 0.0 33.8 50.8#

86 57.2 50.0 75.0



#25

2-Butanone

Concen: 0.792 ug/l

RT: 7.489 min Scan# 944

Delta R.T. 0.000 min

Lab File: VN076824.D

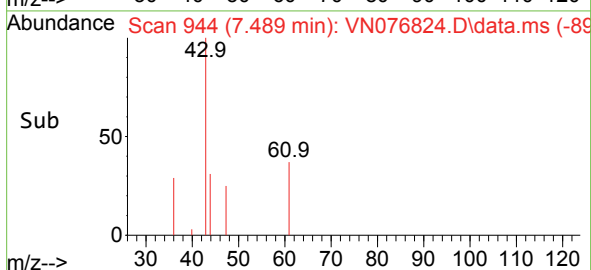
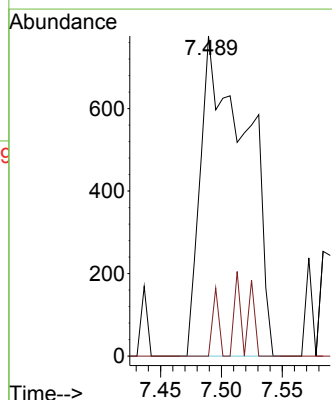
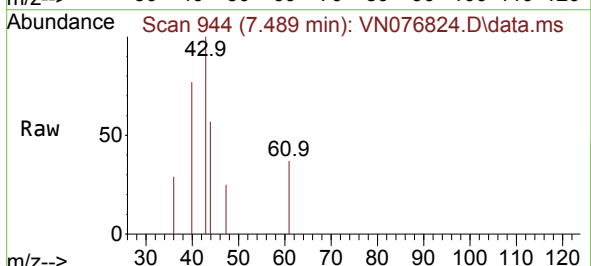
Acq: 28 Feb 2023 13:34

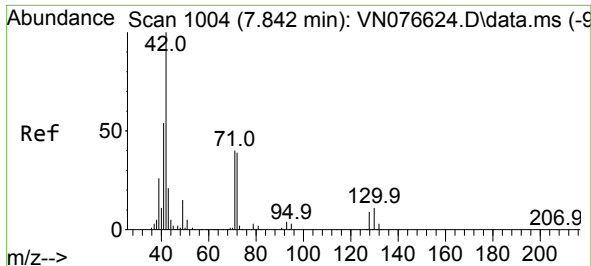
Tgt Ion: 43 Resp: 2016

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.535 ug/l

RT: 7.860 min Scan# 10

Delta R.T. 0.018 min

Lab File: VN076824.D

Acq: 28 Feb 2023 13:34

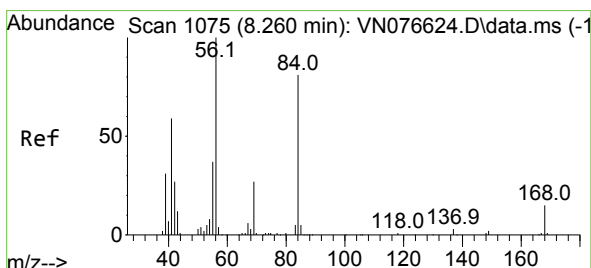
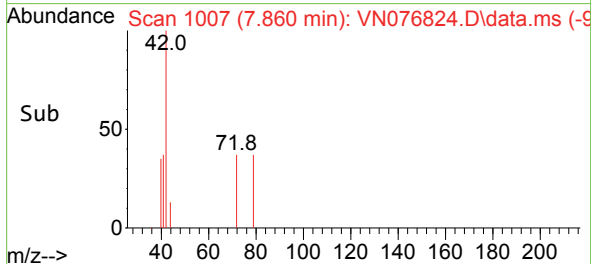
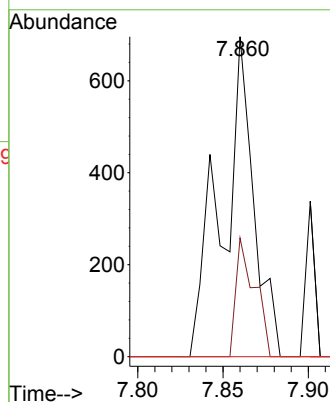
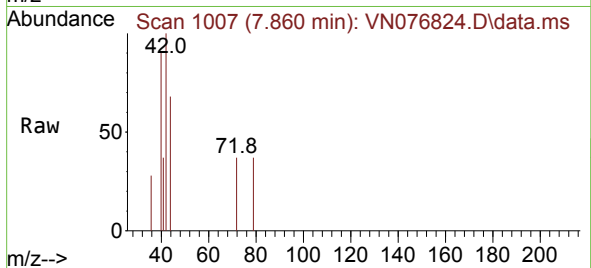
Instrument :

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ClientSampleId :

VN0228MBL01

Tgt Ion: 42	Resp:	890
Ion	Ratio	Lower Upper
42	100	
72	22.1	31.5 47.3#
71	0.0	29.8 44.8#



#31

Cyclohexane

Concen: 1.259 ug/l

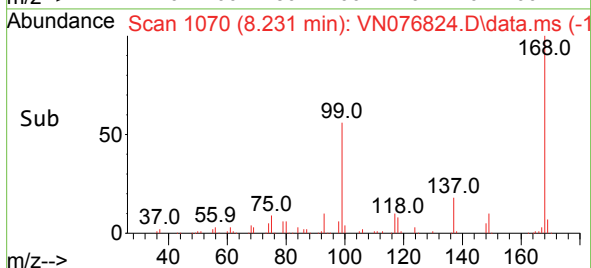
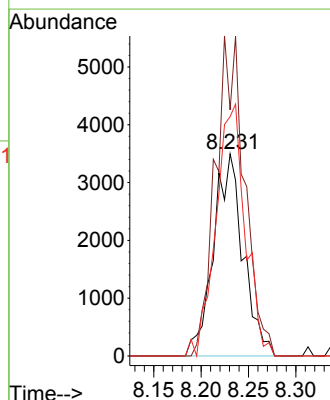
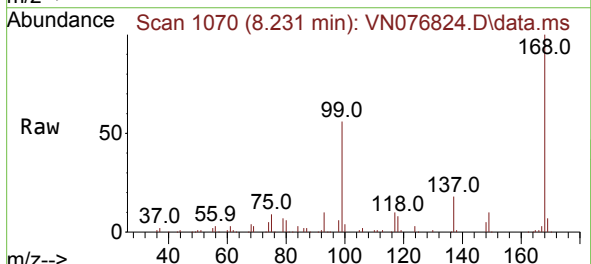
RT: 8.231 min Scan# 1070

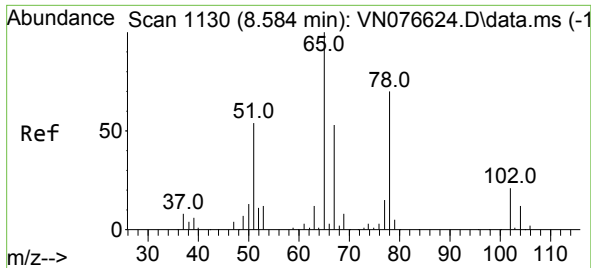
Delta R.T. -0.029 min

Lab File: VN076824.D

Acq: 28 Feb 2023 13:34

Tgt Ion: 56	Resp:	7630
Ion	Ratio	Lower Upper
56	100	
69	121.8	21.6 32.4#
84	118.5	65.1 97.7#

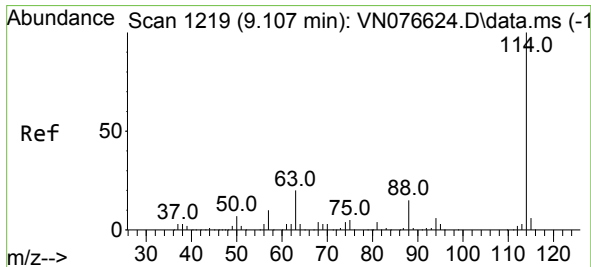
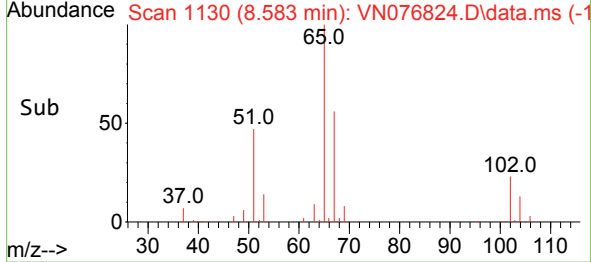
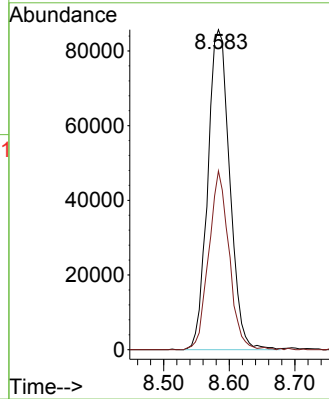
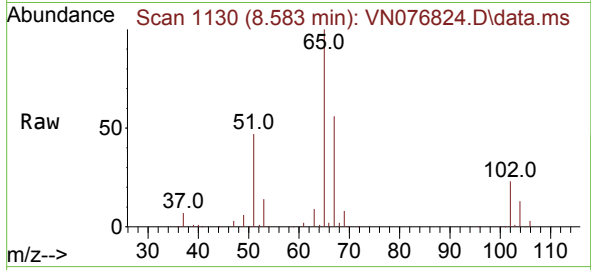




#33
 1,2-Dichloroethane-d4
 Concen: 51.664 ug/l
 RT: 8.583 min Scan# 1130
 Delta R.T. -0.001 min
 Lab File: VN076824.D
 Acq: 28 Feb 2023 13:34

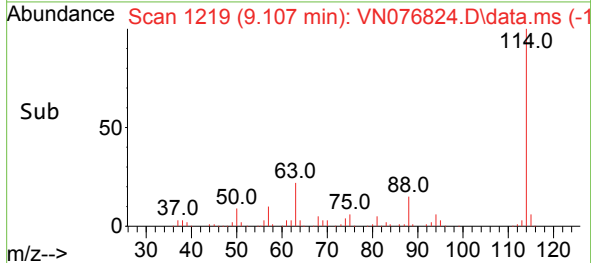
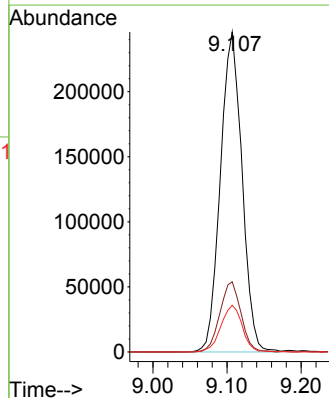
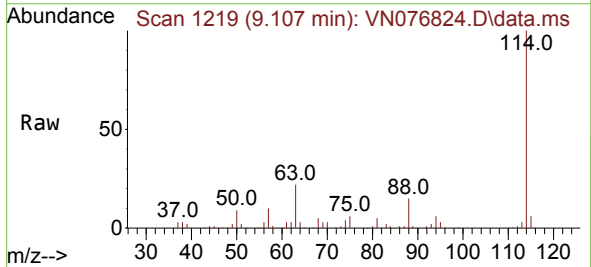
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228MBL01

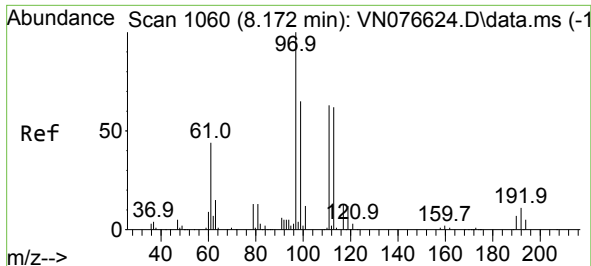
Tgt Ion: 65 Resp: 199538
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. -0.000 min
 Lab File: VN076824.D
 Acq: 28 Feb 2023 13:34

Tgt Ion: 114 Resp: 497561
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 40.0
 88 14.6 0.0 29.6

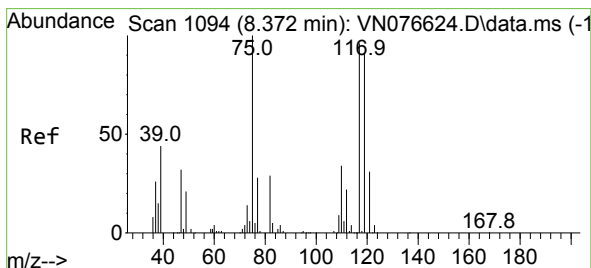
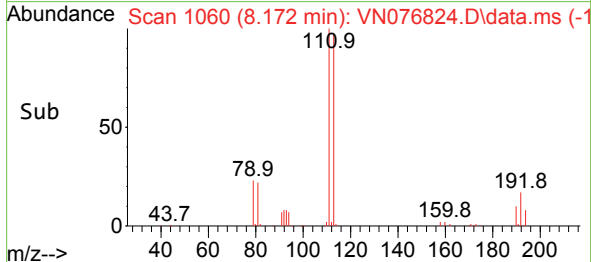
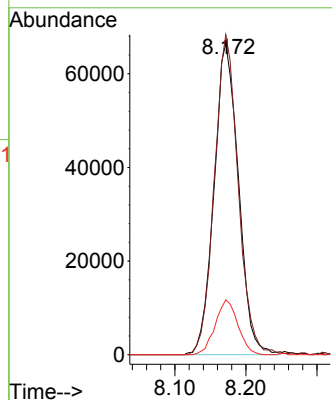
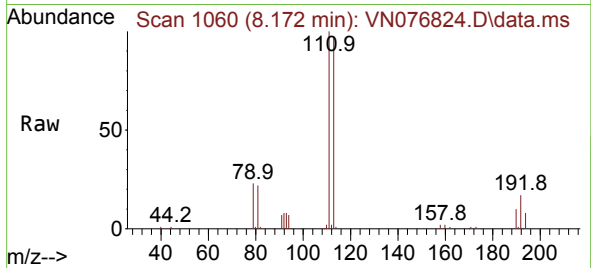




#35
 Dibromofluoromethane
 Concen: 48.644 ug/l
 RT: 8.172 min Scan# 1060
 Delta R.T. -0.000 min
 Lab File: VN076824.D
 Acq: 28 Feb 2023 13:34

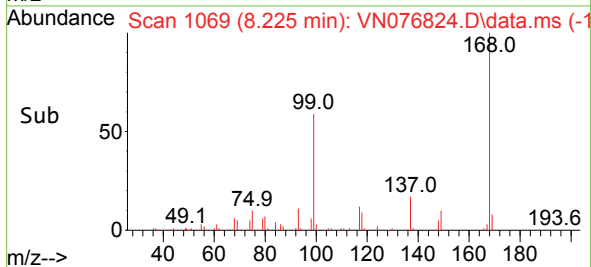
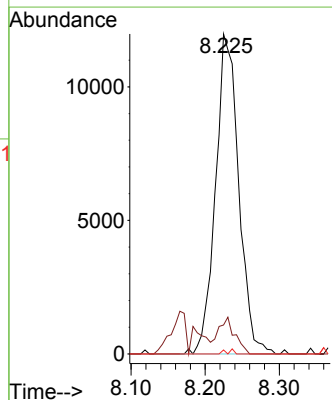
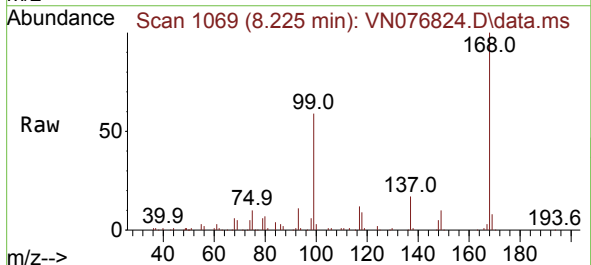
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228MBL01

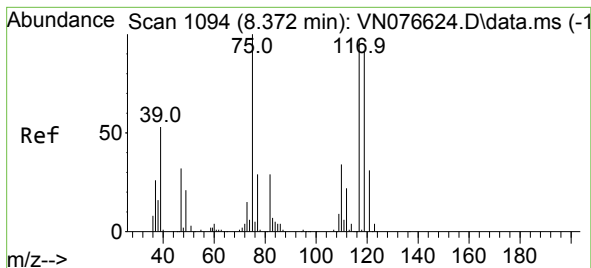
Tgt Ion:113 Resp: 158503
 Ion Ratio Lower Upper
 113 100
 111 100.6 83.1 124.7
 192 16.4 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 5.528 ug/l
 RT: 8.225 min Scan# 1069
 Delta R.T. -0.147 min
 Lab File: VN076824.D
 Acq: 28 Feb 2023 13:34

Tgt Ion: 75 Resp: 26023
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.5 52.5#
 77 0.2 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.473 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.147 min

Lab File: VN076824.D

Acq: 28 Feb 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

VN0228MBL01

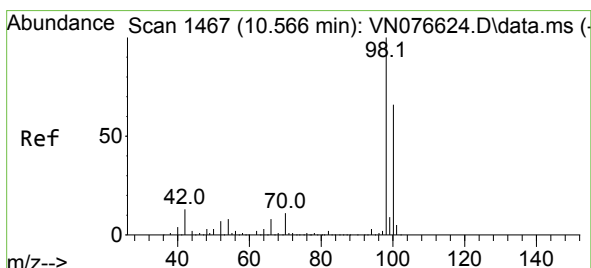
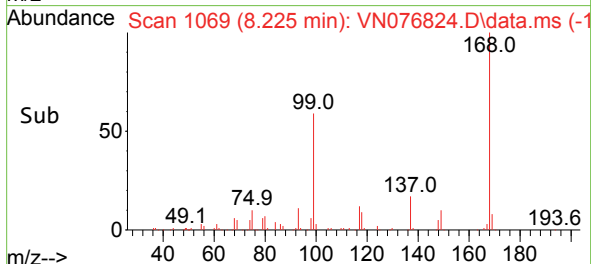
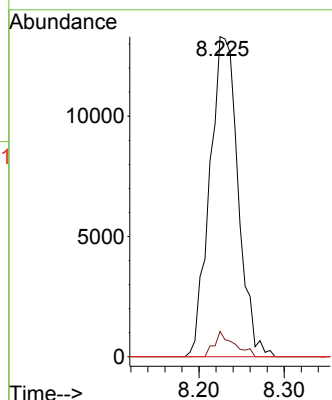
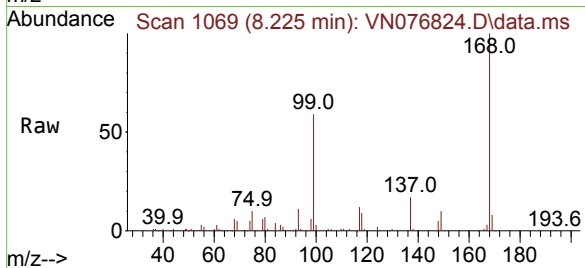
Tgt Ion:117 Resp: 30742

Ion Ratio Lower Upper

117 100

119 7.9 75.4 113.0#

121 0.0 26.0 39.0#



#50

Toluene-d8

Concen: 49.425 ug/l

RT: 10.566 min Scan# 1467

Delta R.T. -0.000 min

Lab File: VN076824.D

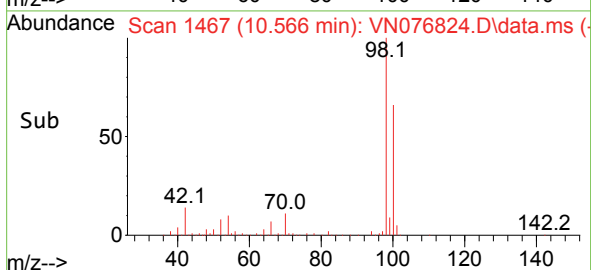
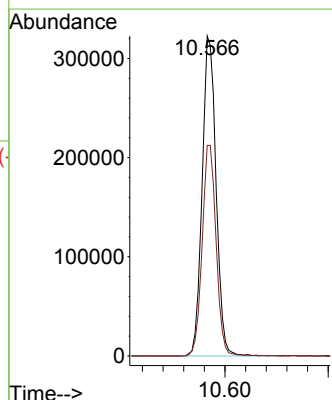
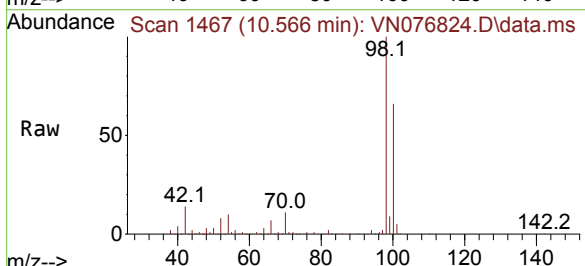
Acq: 28 Feb 2023 13:34

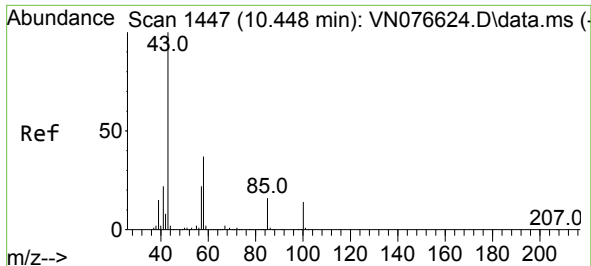
Tgt Ion: 98 Resp: 601442

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3

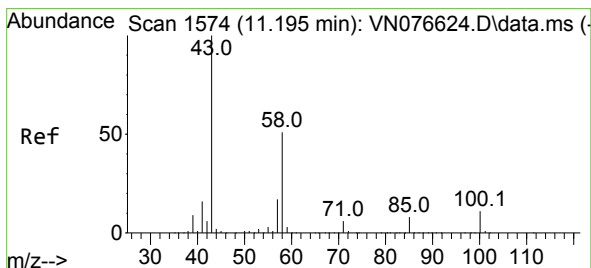
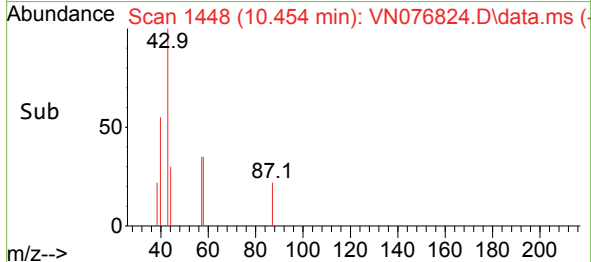
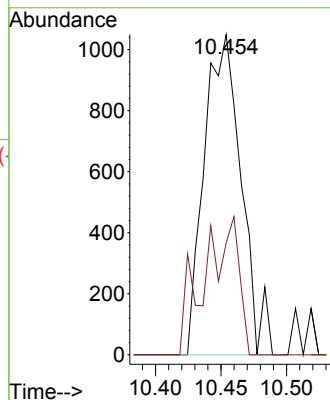
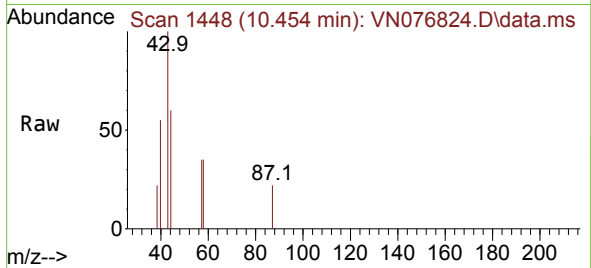




#51
4-Methyl-2-Pentanone
Concen: 0.401 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

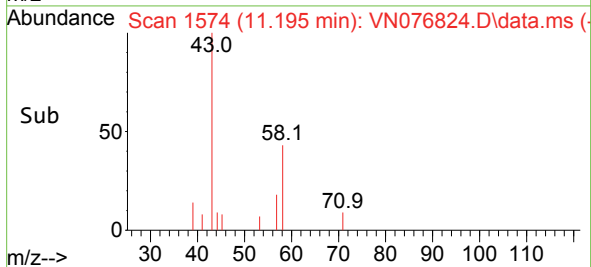
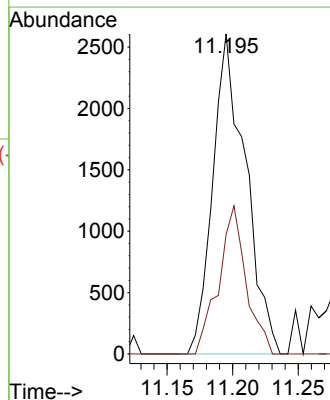
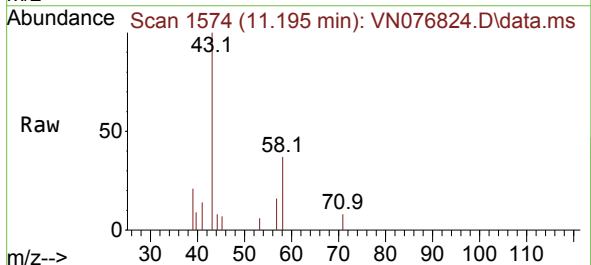
Instrument :
MSVOA_N
ClientSampleId :
VN0228MBL01

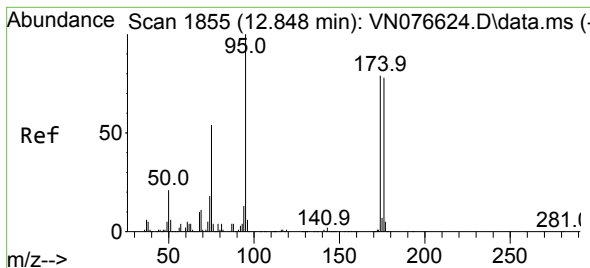
Tgt Ion: 43 Resp: 2056
Ion Ratio Lower Upper
43 100
58 40.3 29.5 44.3



#59
2-Hexanone
Concen: 1.225 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

Tgt Ion: 43 Resp: 4529
Ion Ratio Lower Upper
43 100
58 38.8 25.4 76.0

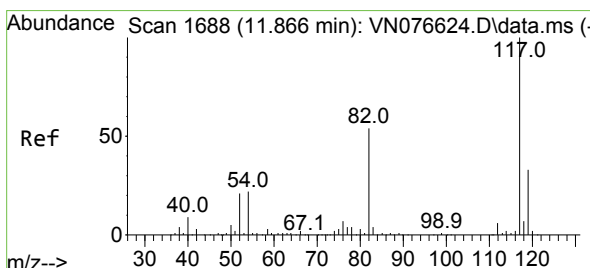
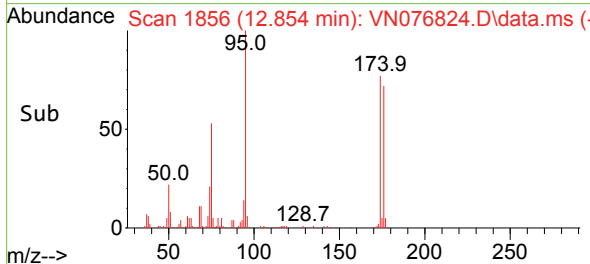
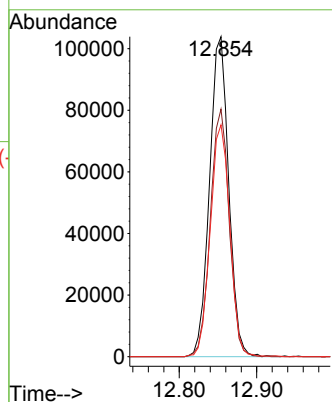
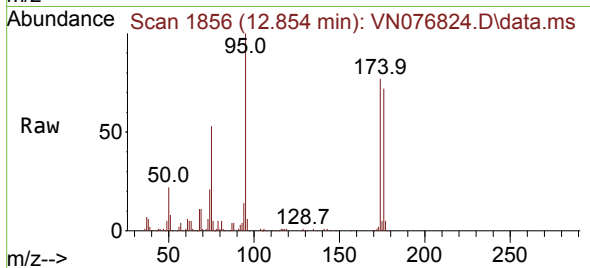




#62
4-Bromofluorobenzene
Concen: 44.453 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

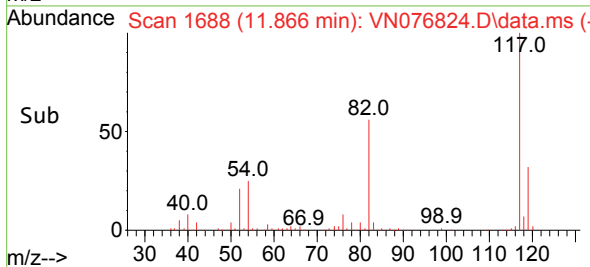
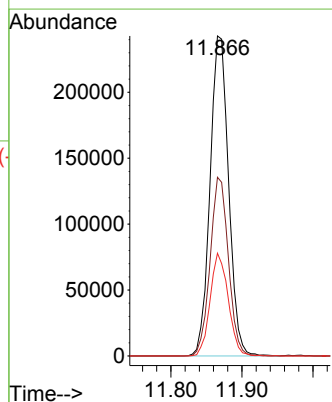
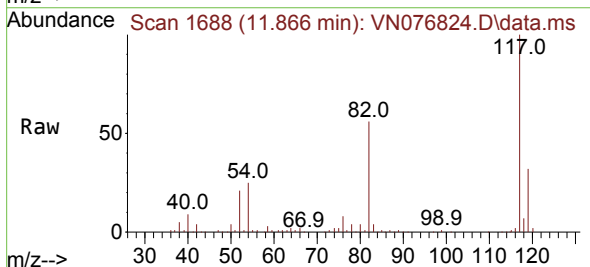
Instrument :
MSVOA_N
ClientSampleId :
VN0228MBL01

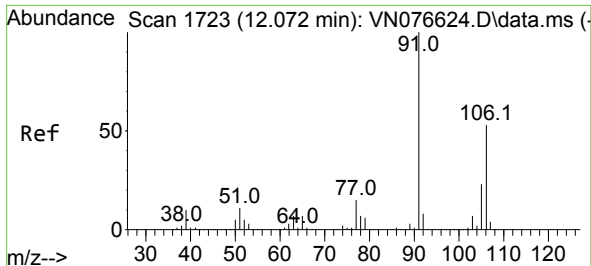
Tgt Ion: 95 Resp: 179160
Ion Ratio Lower Upper
95 100
174 76.4 0.0 169.2
176 73.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

Tgt Ion: 117 Resp: 439949
Ion Ratio Lower Upper
117 100
82 55.8 43.4 65.2
119 32.1 26.1 39.1

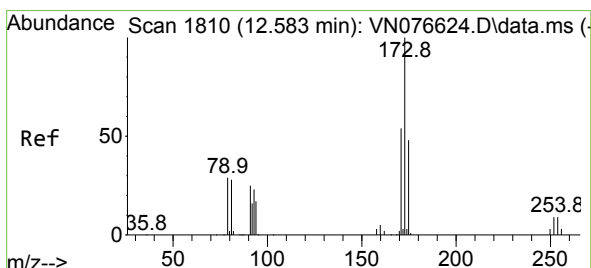
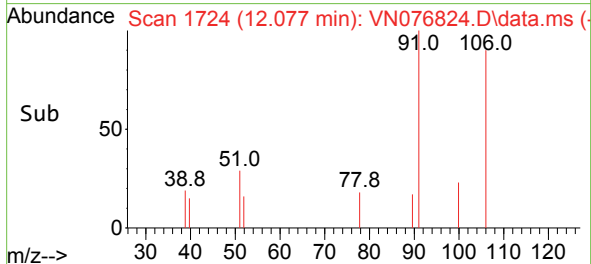
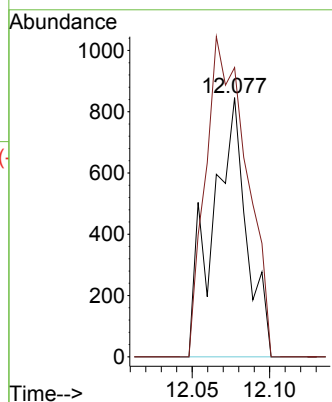
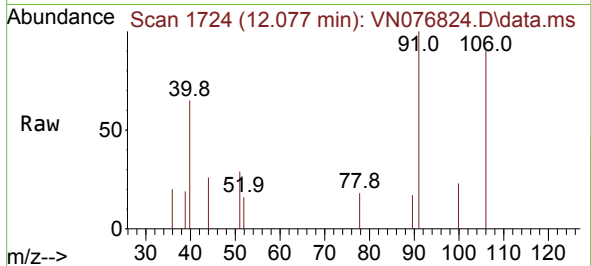




#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 12.077 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

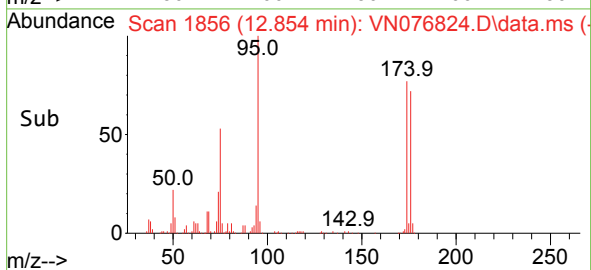
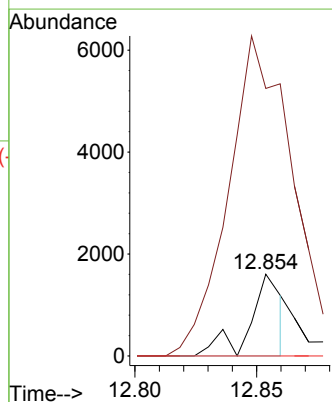
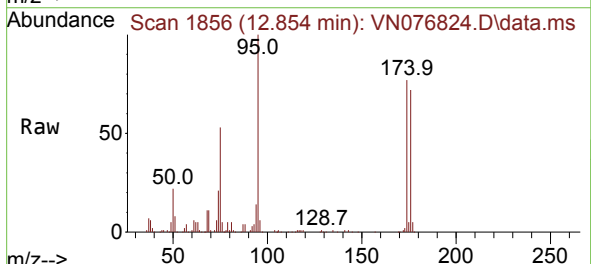
Instrument :
MSVOA_N
ClientSampleId :
VN0228MBL01

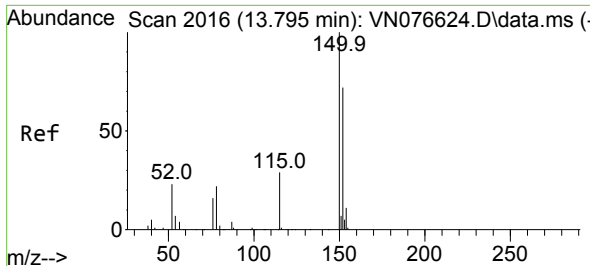
Tgt Ion:106 Resp: 1285
Ion Ratio Lower Upper
106 100
91 149.0 154.7 232.1#



#71
Bromoform
Concen: 0.590 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

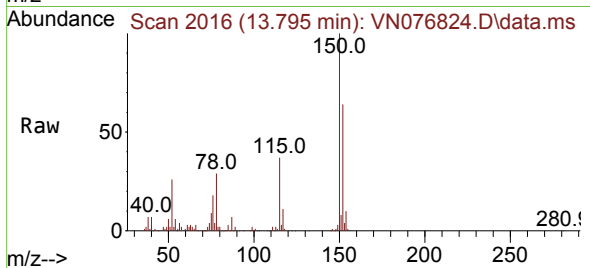
Tgt Ion:173 Resp: 1465
Ion Ratio Lower Upper
173 100
175 495.6 24.9 74.7#
254 0.0 0.1 0.1#



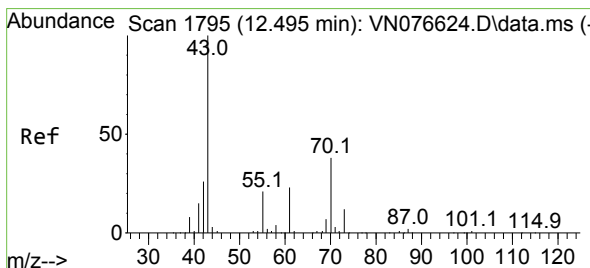
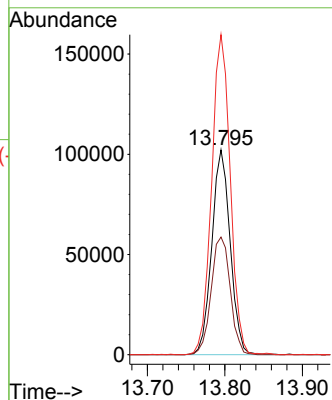
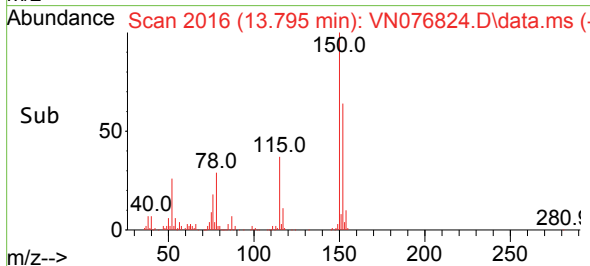


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

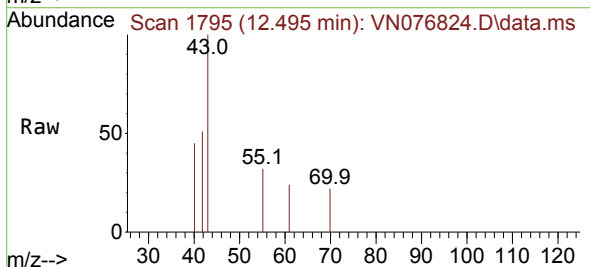
Instrument :
MSVOA_N
ClientSampleId :
VN0228MBL01



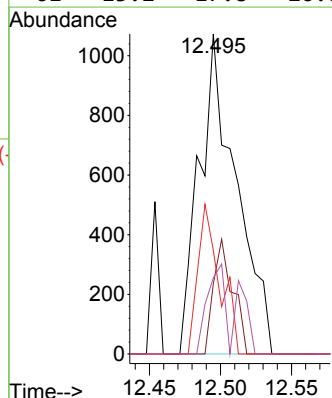
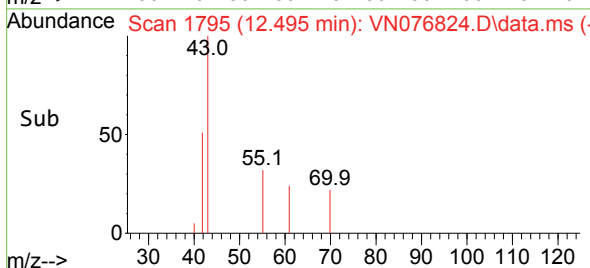
Tgt Ion:152 Resp: 168547
Ion Ratio Lower Upper
152 100
115 59.6 29.3 87.9
150 157.9 0.0 349.8

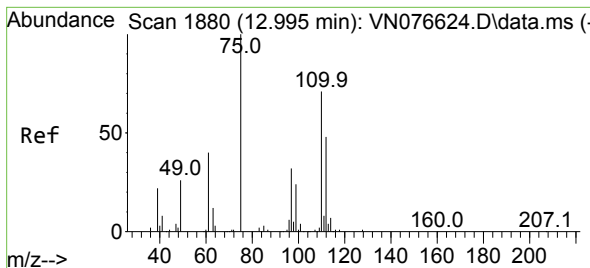


#74
N-ethyl acetate
Concen: 0.348 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34



Tgt Ion: 43 Resp: 1938
Ion Ratio Lower Upper
43 100
70 18.7 30.5 45.7#
55 27.7 17.8 26.8#
61 13.2 17.8 26.8#





#76

1,2,3-Trichloropropane

Concen: 28.787 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.147 min

Lab File: VN076824.D

Acq: 28 Feb 2023 13:34

Instrument :

MSVOA_N

ClientSampleId :

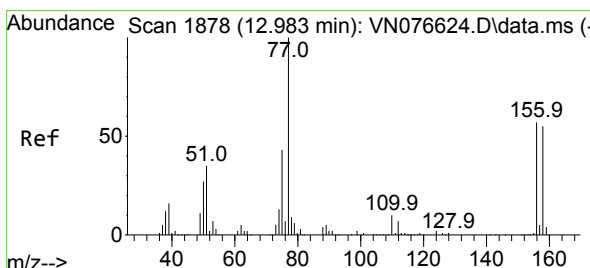
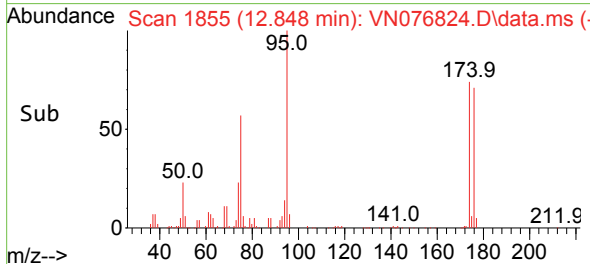
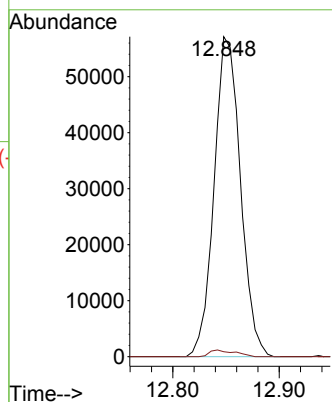
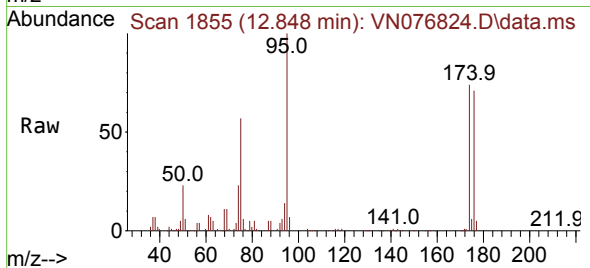
VN0228MBL01

Tgt Ion: 75 Resp: 98094

Ion Ratio Lower Upper

75 100

77 2.0 93.1 279.3#



#77

Bromobenzene

Concen: 0.271 ug/l

RT: 12.989 min Scan# 1879

Delta R.T. 0.006 min

Lab File: VN076824.D

Acq: 28 Feb 2023 13:34

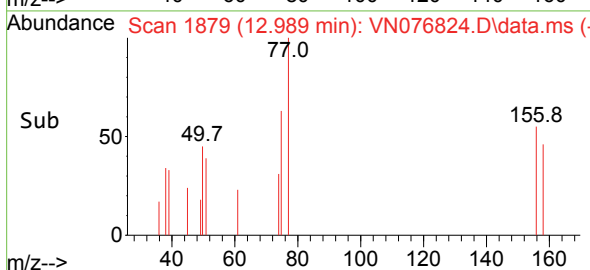
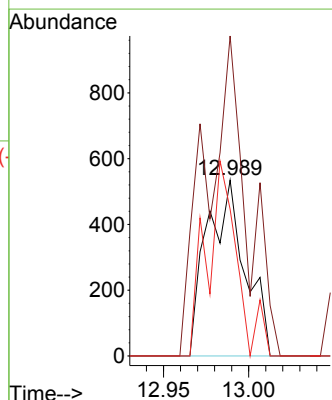
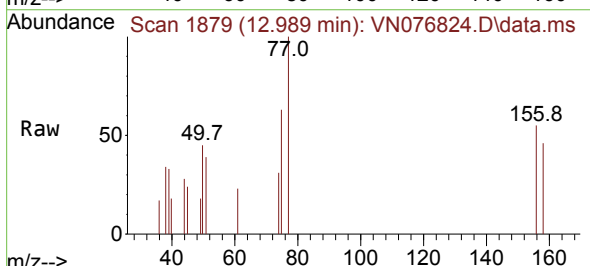
Tgt Ion:156 Resp: 834

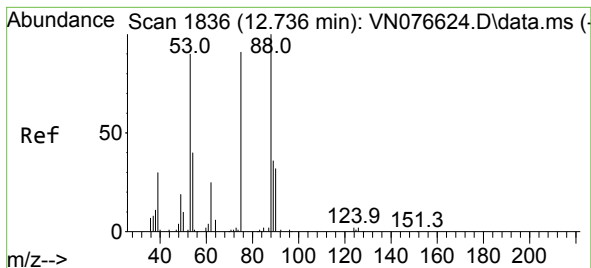
Ion Ratio Lower Upper

156 100

77 193.3 102.8 308.4

158 87.2 48.9 146.6

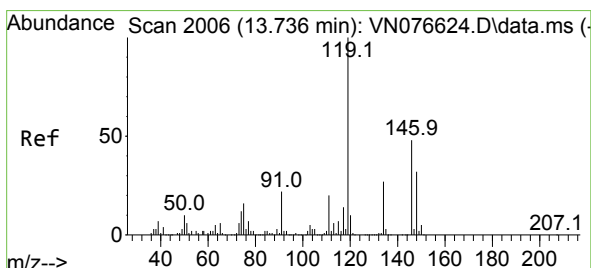
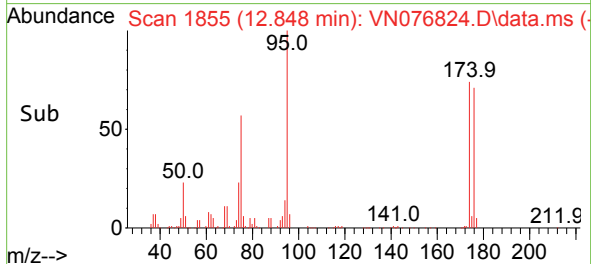
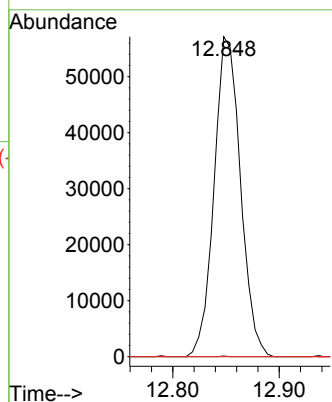
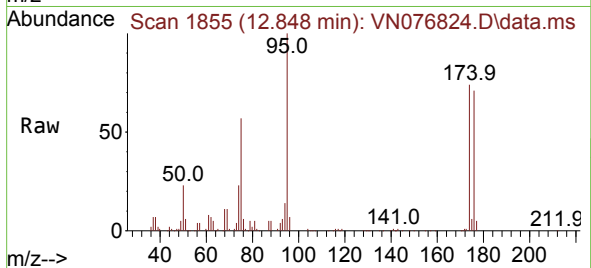




#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.845 ug/l
 RT: 12.848 min Scan# 1855
 Delta R.T. 0.112 min
 Lab File: VN076824.D
 Acq: 28 Feb 2023 13:34

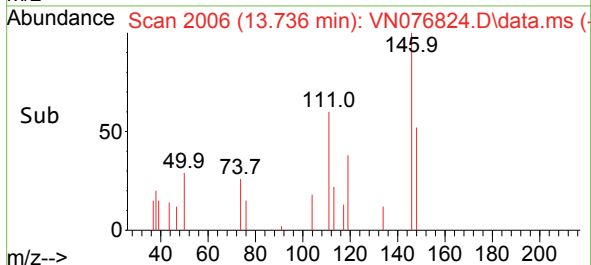
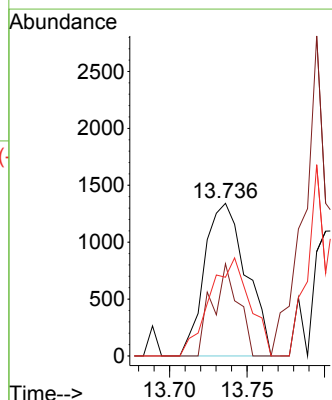
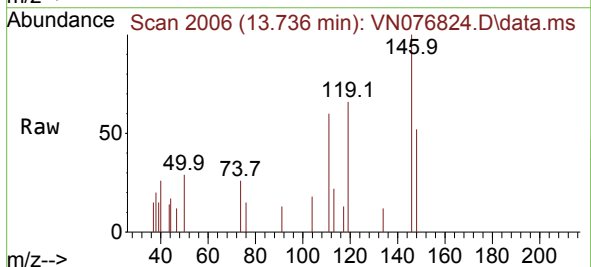
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228MBL01

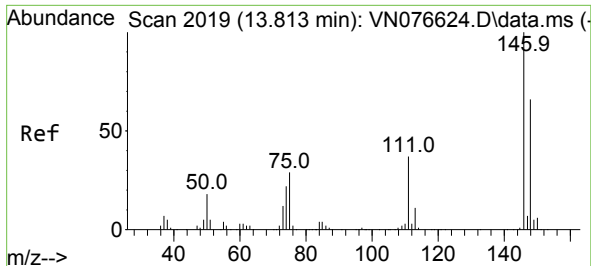
Tgt Ion: 75 Resp: 98094
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.1 138.1#
 89 0.0 37.5 56.3#



#87
 1,3-Dichlorobenzene
 Concen: 0.431 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. 0.000 min
 Lab File: VN076824.D
 Acq: 28 Feb 2023 13:34

Tgt Ion: 146 Resp: 2512
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.8 59.4
 148 61.9 32.0 96.2

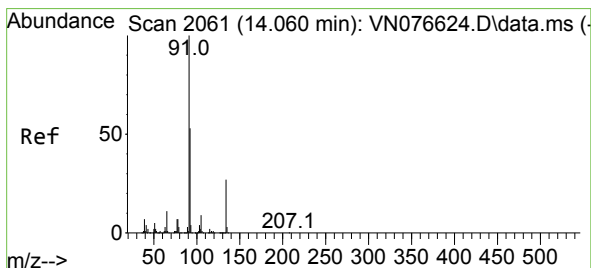
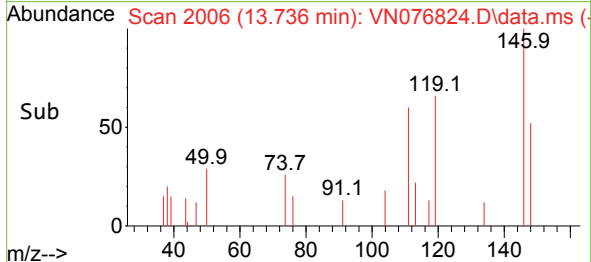
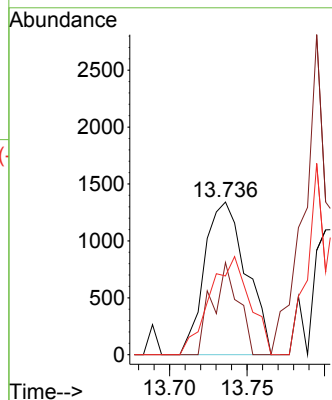
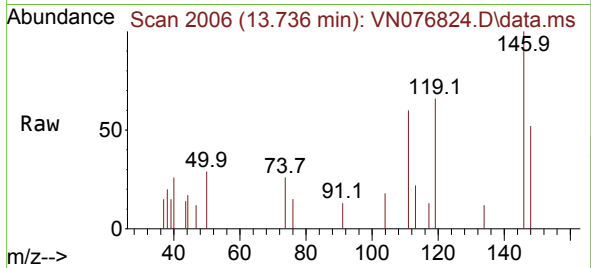




#88
1,4-Dichlorobenzene
Concen: 0.433 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.077 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

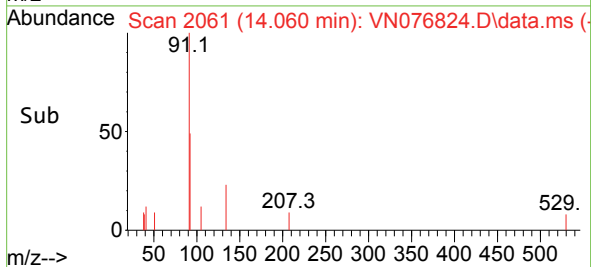
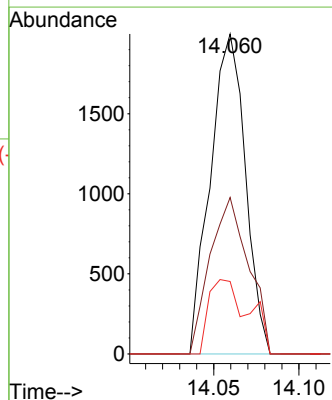
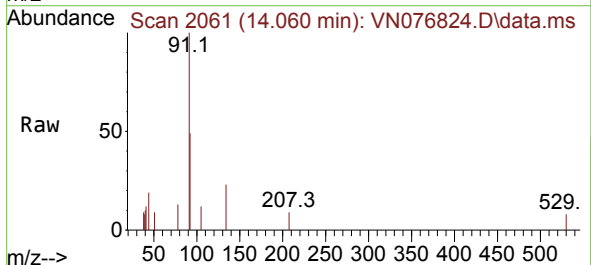
Instrument :
MSVOA_N
ClientSampleId :
VN0228MBL01

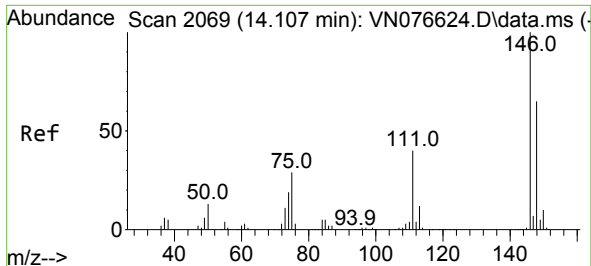
Tgt Ion:146 Resp: 2512
Ion Ratio Lower Upper
146 100
111 37.3 19.4 58.1
148 61.9 32.7 98.1



#89
n-Butylbenzene
Concen: 0.319 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

Tgt Ion: 91 Resp: 2854
Ion Ratio Lower Upper
91 100
92 54.0 26.4 79.0
134 26.2 13.2 39.5

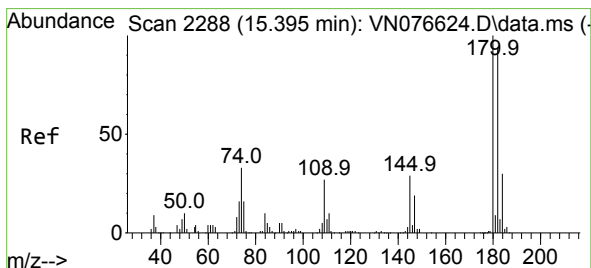
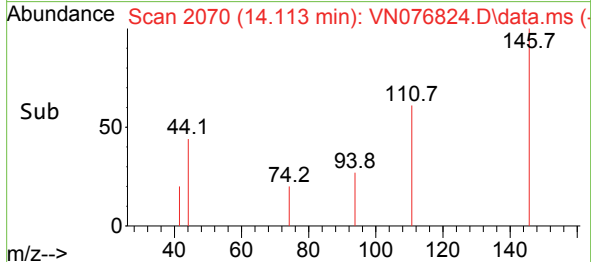
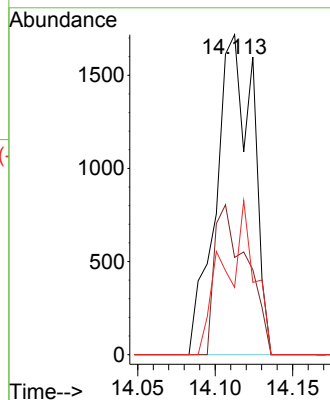
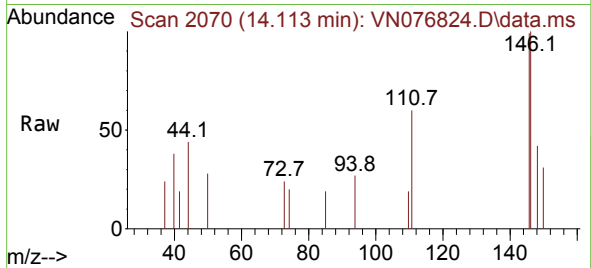




#91
1,2-Dichlorobenzene
Concen: 0.477 ug/l
RT: 14.113 min Scan# 2069
Delta R.T. 0.006 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

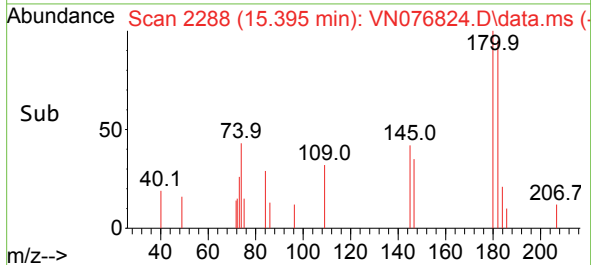
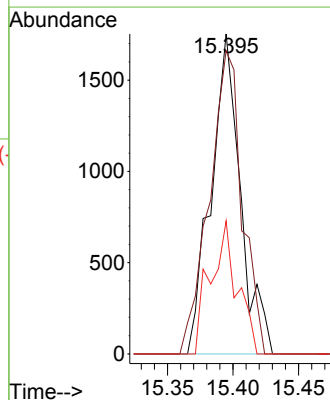
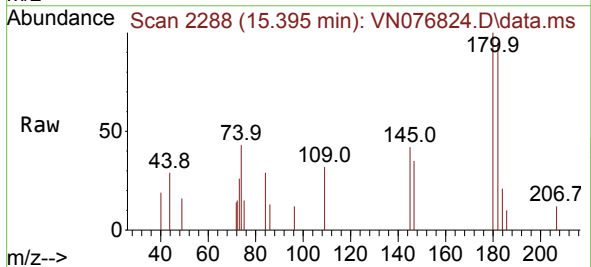
Instrument :
MSVOA_N
ClientSampleId :
VN0228MBL01

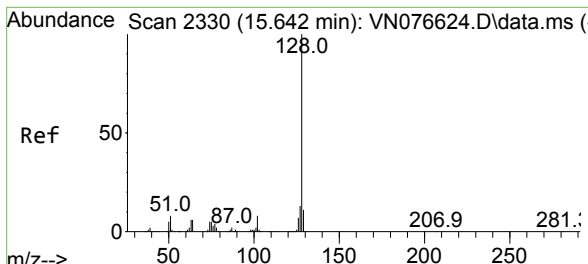
Tgt Ion:146 Resp: 2847
Ion Ratio Lower Upper
146 100
111 40.8 20.0 59.9
148 39.5 32.4 97.2



#93
1,2,4-Trichlorobenzene
Concen: 0.918 ug/l
RT: 15.395 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VN076824.D
Acq: 28 Feb 2023 13:34

Tgt Ion:180 Resp: 2735
Ion Ratio Lower Upper
180 100
182 105.4 48.0 144.0
145 37.9 15.2 45.6

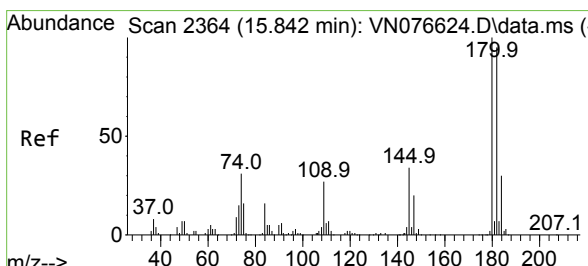
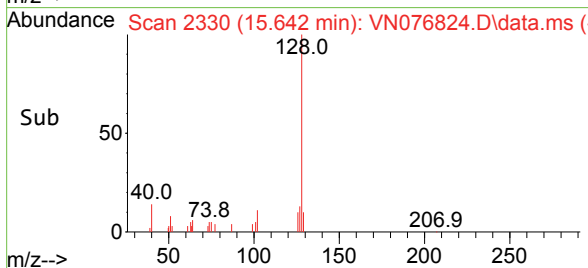
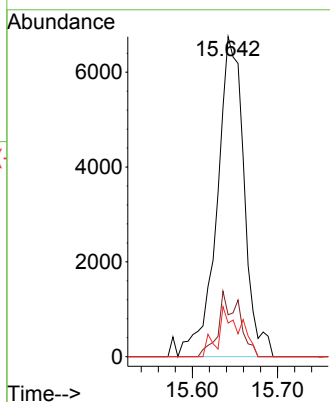
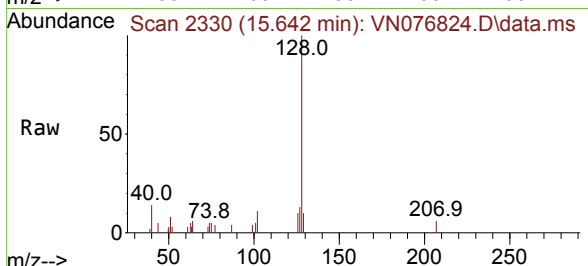




#95
 Naphthalene
 Concen: 1.646 ug/l
 RT: 15.642 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076824.D
 Acq: 28 Feb 2023 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228MBL01

Tgt Ion:	128	Resp:	14883
Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.6	16.0
129	12.8	8.6	13.0



#96
 1,2,3-Trichlorobenzene
 Concen: 1.342 ug/l
 RT: 15.854 min Scan# 2366
 Delta R.T. 0.012 min
 Lab File: VN076824.D
 Acq: 28 Feb 2023 13:34

Tgt Ion:	180	Resp:	3873
Ion	Ratio	Lower	Upper
180	100		
182	92.4	46.7	140.1
145	42.3	16.0	47.9

