

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076701.D
 Acq On : 16 Feb 2023 10:53
 Operator : JC\MD
 Sample : VN0216MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:05:30 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

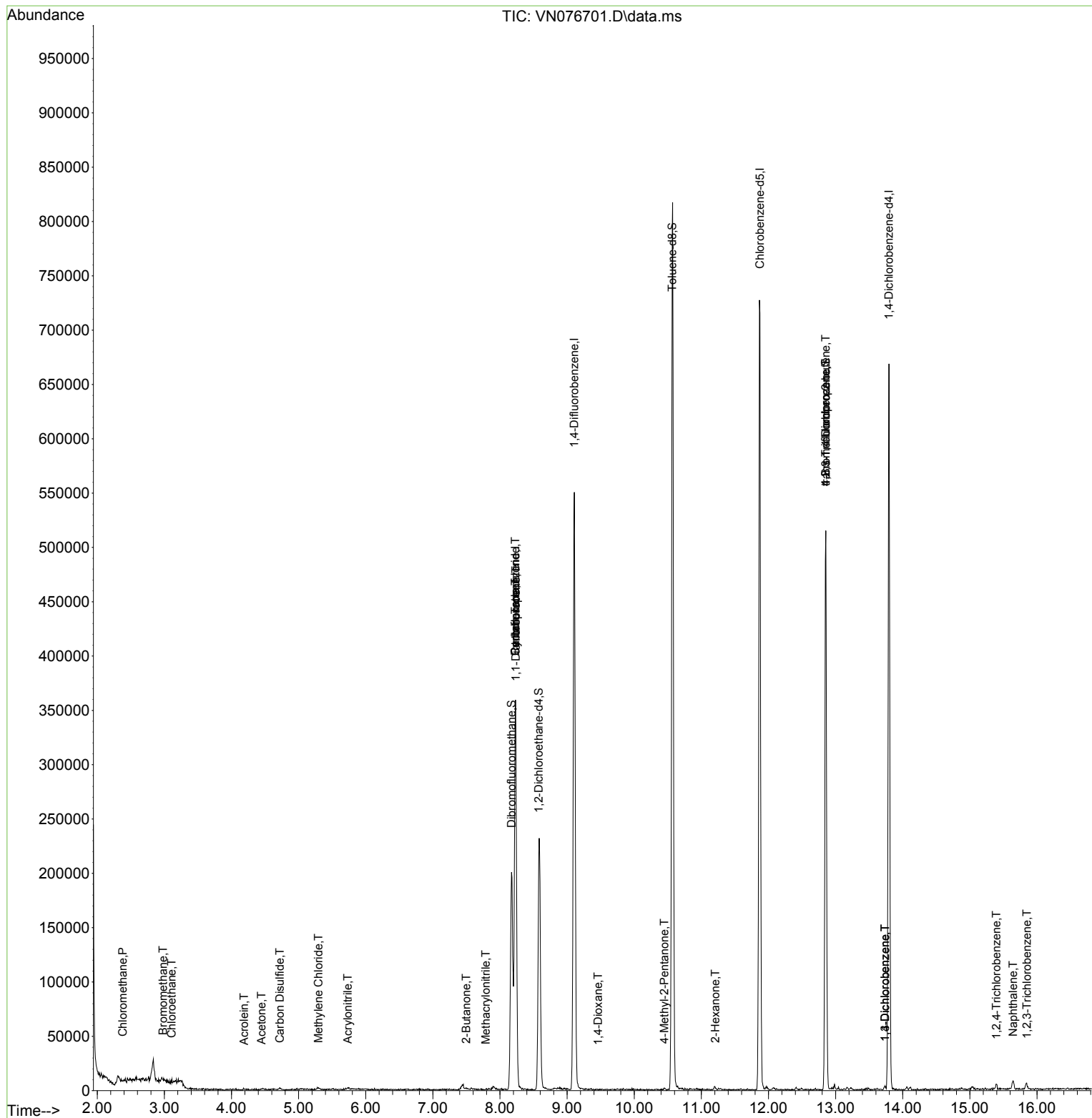
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	249062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	462068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	409341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	162140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.578	65	184722	53.711	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.420%	
35) Dibromofluoromethane	8.172	113	145814	48.187	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.380%	
50) Toluene-d8	10.566	98	548457	48.533	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.060%	
62) 4-Bromofluorobenzene	12.854	95	163084	43.572	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.140%	
Target Compounds						Qvalue
3) Chloromethane	2.378	50	901	0.261	ug/l #	73
5) Bromomethane	2.978	94	1412	0.686	ug/l	82
6) Chloroethane	3.107	64	468	0.218	ug/l #	44
13) Acrolein	4.190	56	282	0.414	ug/l #	39
15) Acrylonitrile	5.731	53	844	0.524	ug/l #	48
16) Acetone	4.449	43	836	0.544	ug/l #	42
17) Carbon Disulfide	4.719	76	2092	0.308	ug/l #	73
20) Methylene Chloride	5.296	84	900	0.280	ug/l #	72
25) 2-Butanone	7.495	43	1378	0.608	ug/l #	51
31) Cyclohexane	8.231	56	7322	1.357	ug/l #	41
36) 1,1-Dichloropropene	8.237	75	22817	5.219	ug/l #	49
38) Carbon Tetrachloride	8.231	117	27091	6.142	ug/l #	16
41) Methacrylonitrile	7.789	41	606	0.227	ug/l #	54
49) 1,4-Dioxane	9.460	88	59	0.960	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	1067	0.224	ug/l #	64
59) 2-Hexanone	11.207	43	2285	0.665	ug/l	92
76) 1,2,3-Trichloropropane	12.854	75	92115	28.101	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	92115	81.846	ug/l #	4
87) 1,3-Dichlorobenzene	13.736	146	1365	0.244	ug/l #	80
88) 1,4-Dichlorobenzene	13.736	146	1365	0.245	ug/l	81
93) 1,2,4-Trichlorobenzene	15.395	180	1592	0.555	ug/l	80
95) Naphthalene	15.642	128	8480	0.975	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.848	180	2139	0.770	ug/l #	85

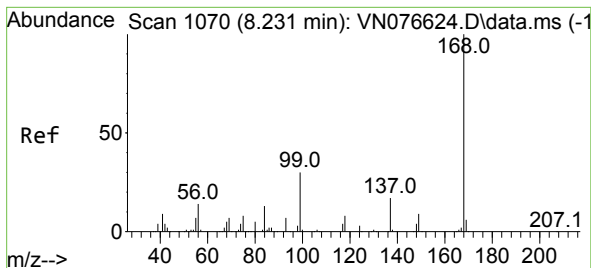
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 17 00:05:30 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076701.D

Acq: 16 Feb 2023 10:53

Instrument :

MSVOA_N

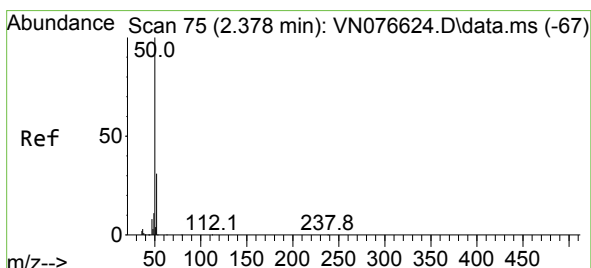
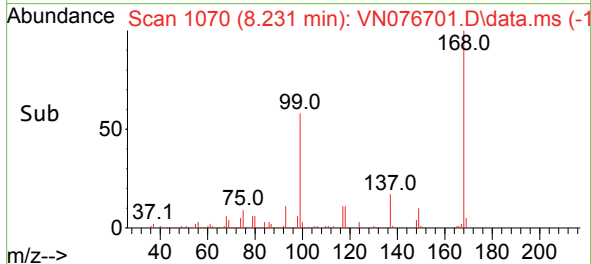
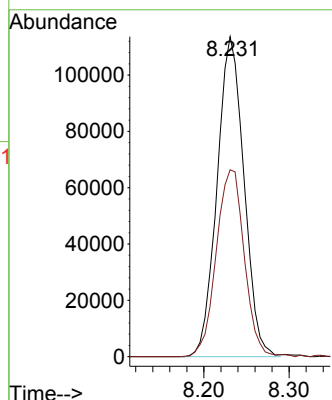
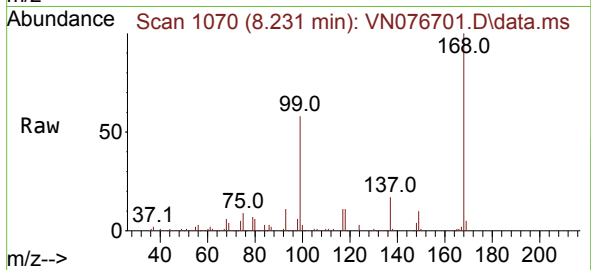
ClientSampleId :

Tgt Ion:168 Resp: 249062

Ion Ratio Lower Upper

168 100

99 58.4 44.8 67.2



#3

Chloromethane

Concen: 0.261 ug/l

RT: 2.378 min Scan# 75

Delta R.T. 0.000 min

Lab File: VN076701.D

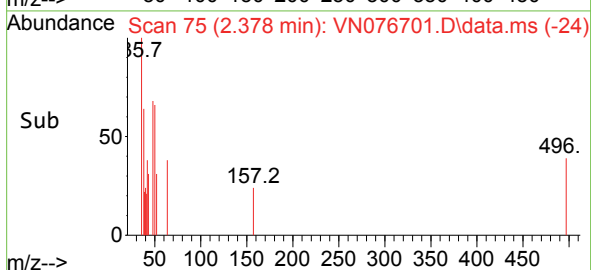
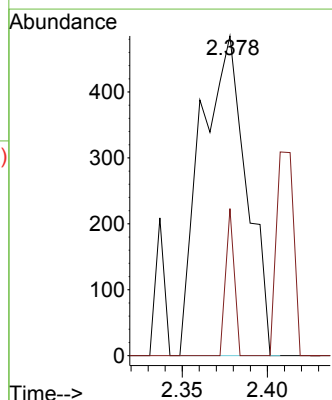
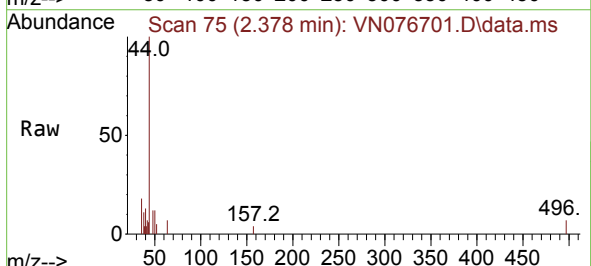
Acq: 16 Feb 2023 10:53

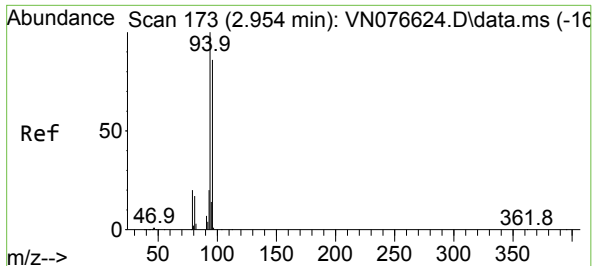
Tgt Ion: 50 Resp: 901

Ion Ratio Lower Upper

50 100

52 46.0 24.7 37.1#

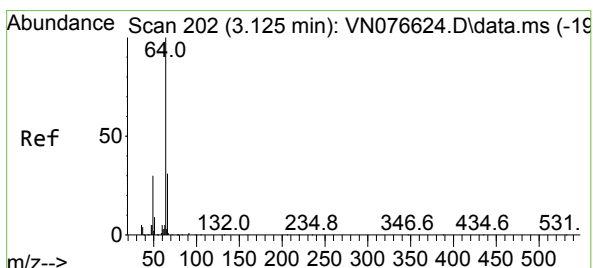
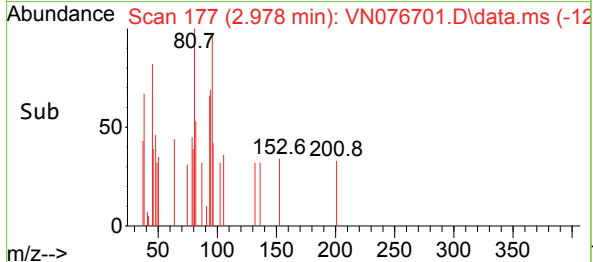
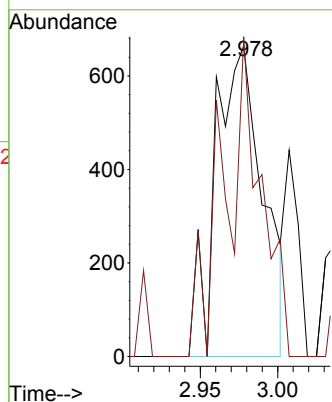
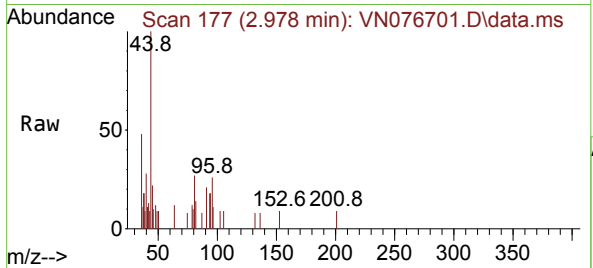




#5
Bromomethane
Concen: 0.686 ug/l
RT: 2.978 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

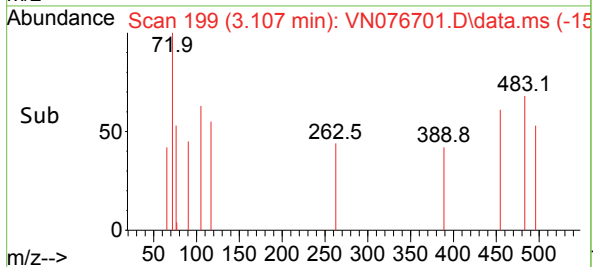
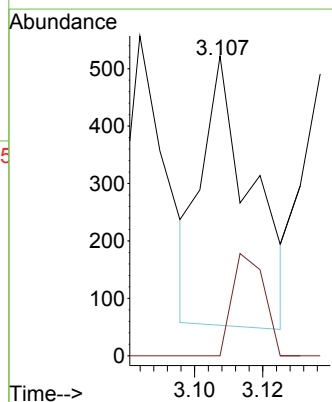
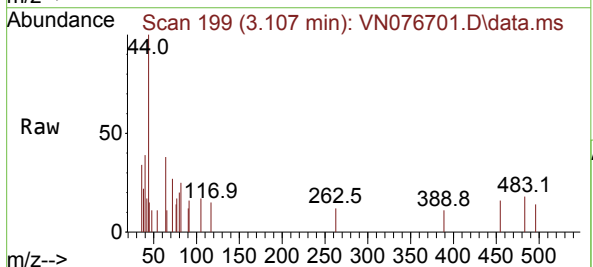
Instrument :
MSVOA_N
ClientSampleId :

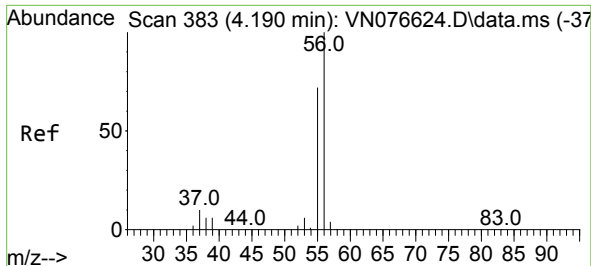
Tgt Ion: 94 Resp: 1412
Ion Ratio Lower Upper
94 100
96 103.0 69.0 103.4



#6
Chloroethane
Concen: 0.218 ug/l
RT: 3.107 min Scan# 199
Delta R.T. -0.018 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

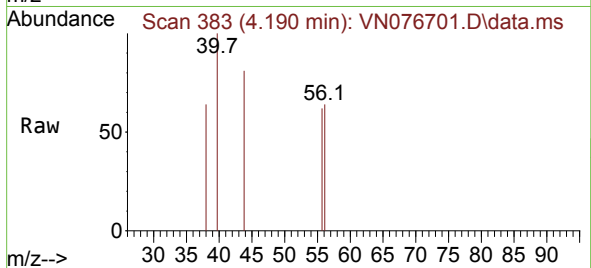
Tgt Ion: 64 Resp: 468
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0#



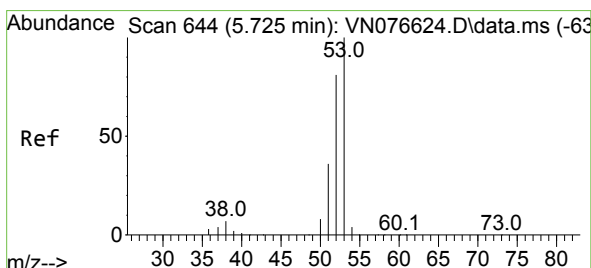
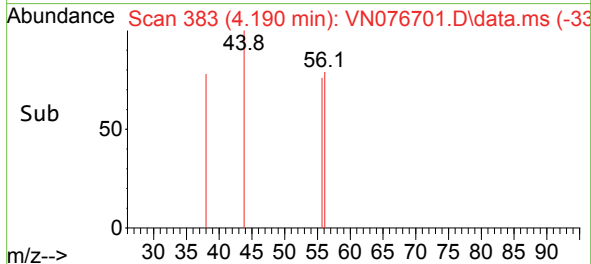
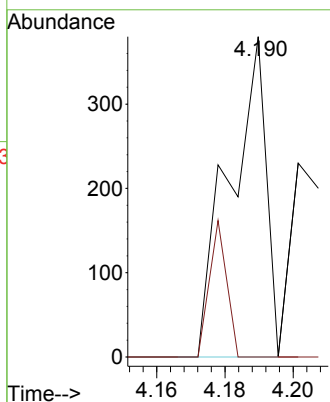


#13
Acrolein
Concen: 0.414 ug/l
RT: 4.190 min Scan# 383
Delta R.T. -0.000 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

Instrument :
MSVOA_N
ClientSampleId :

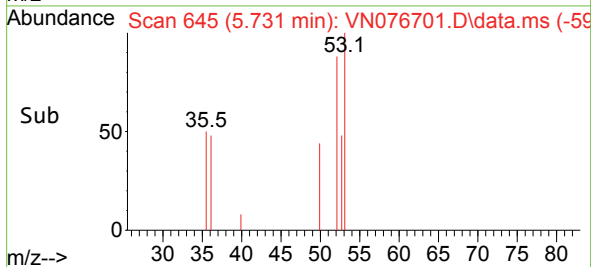
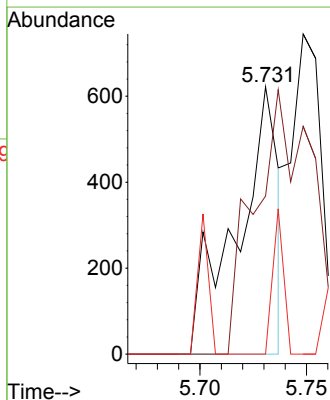
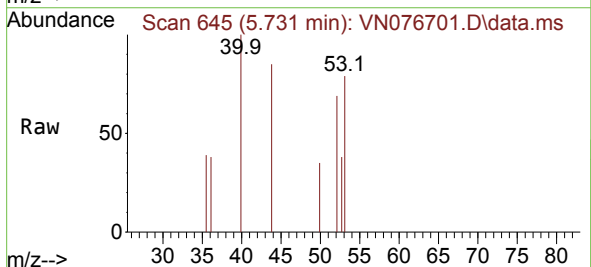


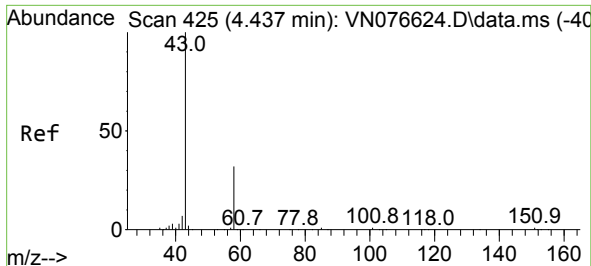
Tgt Ion: 56 Resp: 282
Ion Ratio Lower Upper
56 100
55 20.2 56.3 84.5#



#15
Acrylonitrile
Concen: 0.524 ug/l
RT: 5.731 min Scan# 645
Delta R.T. 0.006 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

Tgt Ion: 53 Resp: 844
Ion Ratio Lower Upper
53 100
52 134.2 65.3 97.9#
51 14.1 29.2 43.8#

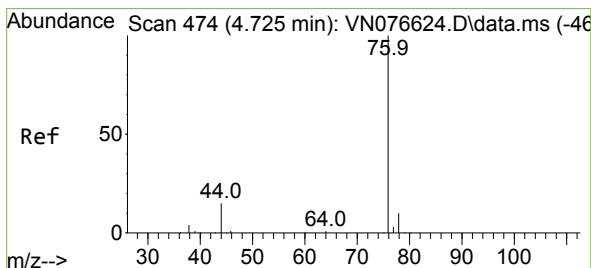
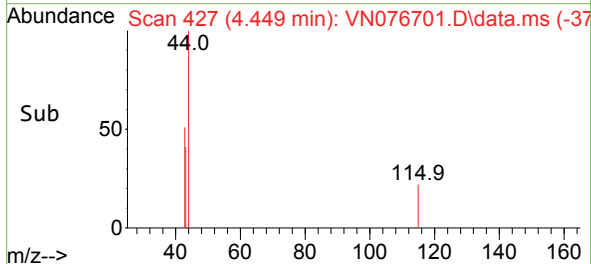
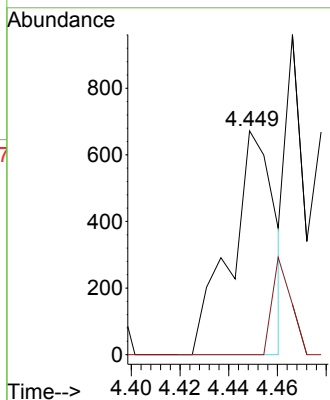
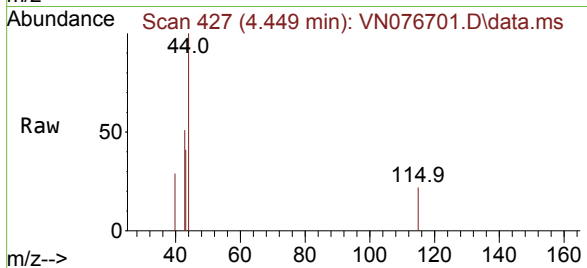




#16
Acetone
Concen: 0.544 ug/l
RT: 4.449 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

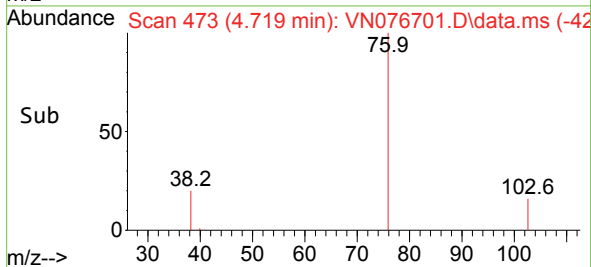
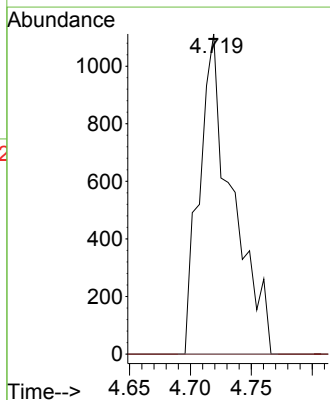
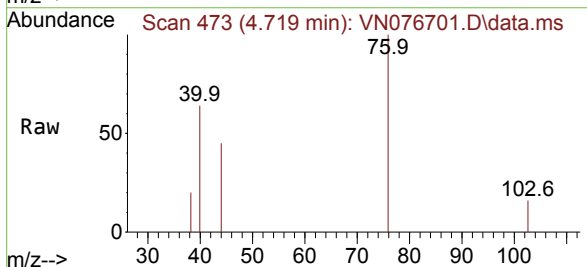
Instrument :
MSVOA_N
ClientSampleId :

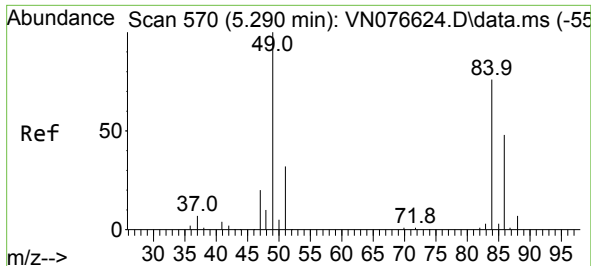
Tgt Ion: 43 Resp: 836
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#



#17
Carbon Disulfide
Concen: 0.308 ug/l
RT: 4.719 min Scan# 473
Delta R.T. -0.006 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

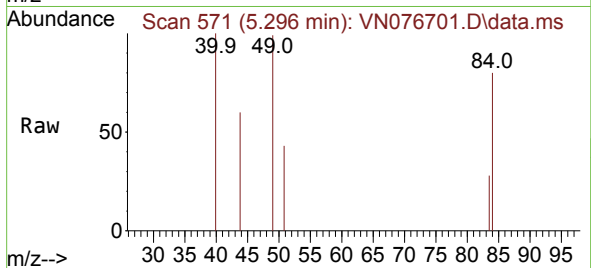
Tgt Ion: 76 Resp: 2092
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#





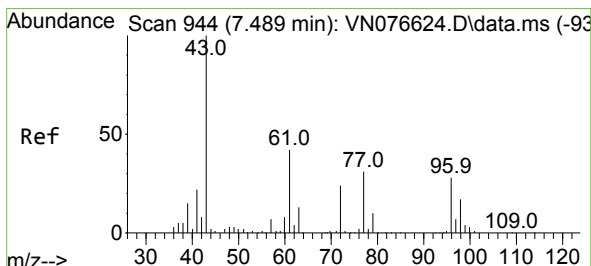
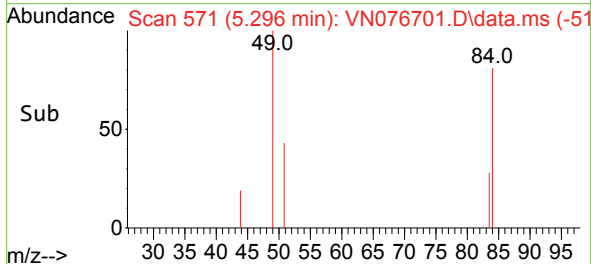
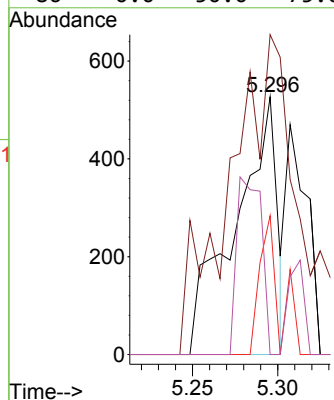
#20
Methylene Chloride
Concen: 0.280 ug/l
RT: 5.296 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 900

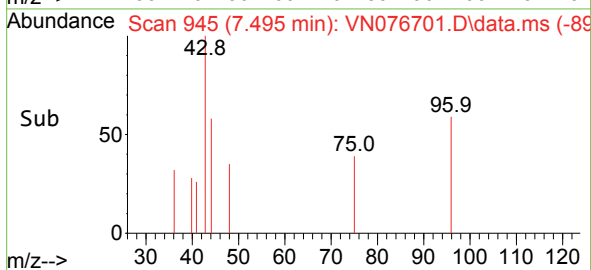
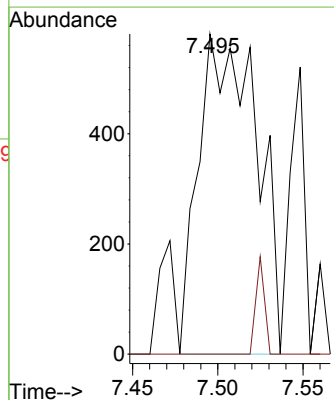
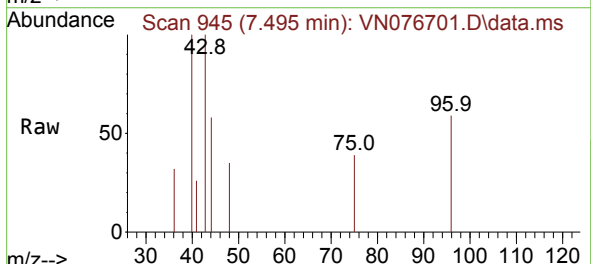
Ion	Ratio	Lower	Upper
84	100		
49	124.1	104.9	157.3
51	53.9	33.8	50.8#
86	0.0	50.0	75.0#

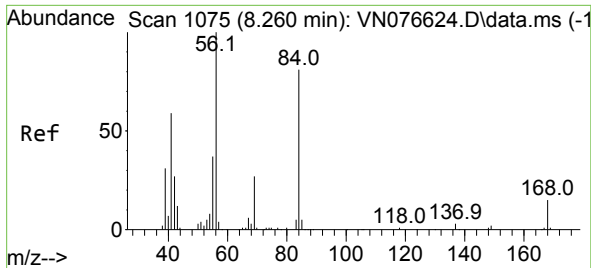


#25
2-Butanone
Concen: 0.608 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

Tgt Ion: 43 Resp: 1378

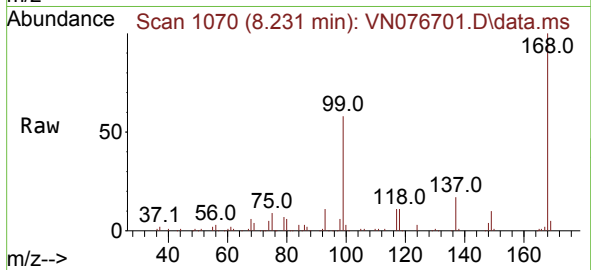
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#



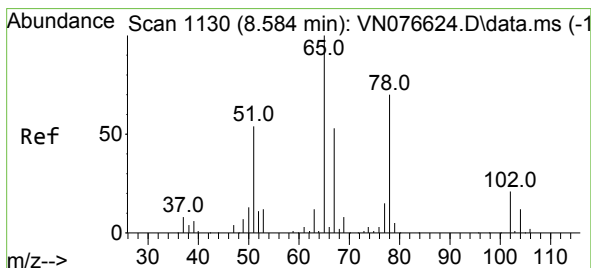
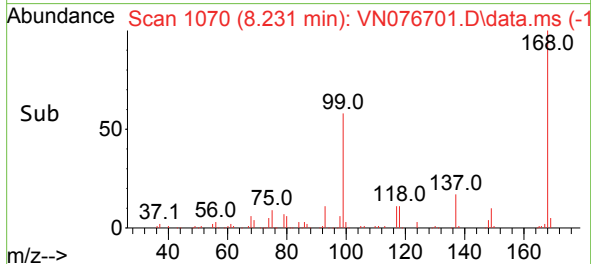
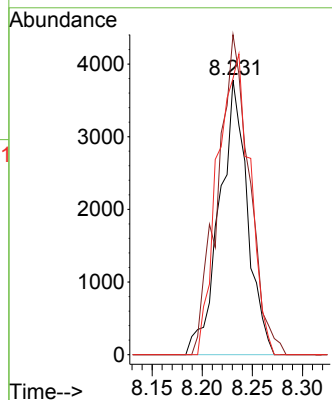


#31
Cyclohexane
Concen: 1.357 ug/l
RT: 8.231 min Scan# 1129
Delta R.T. -0.029 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

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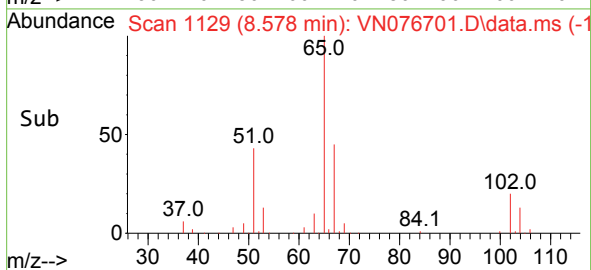
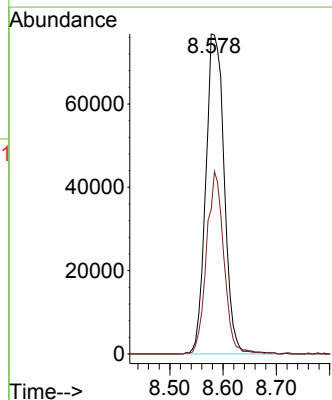
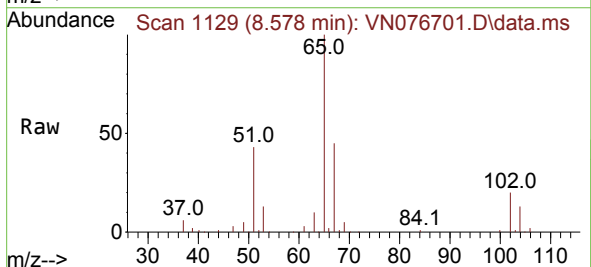


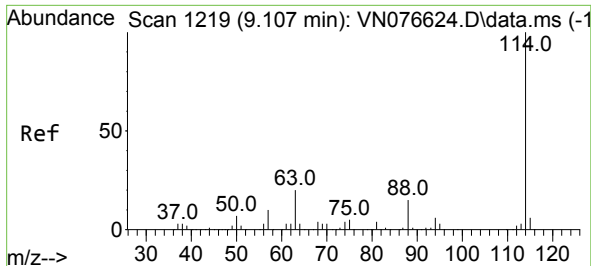
Tgt Ion: 56 Resp: 7322
Ion Ratio Lower Upper
56 100
69 116.5 21.6 32.4#
84 100.5 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 53.711 ug/l
RT: 8.578 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

Tgt Ion: 65 Resp: 184722
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN076701.D

Acq: 16 Feb 2023 10:53

Instrument :

MSVOA_N

ClientSampleId :

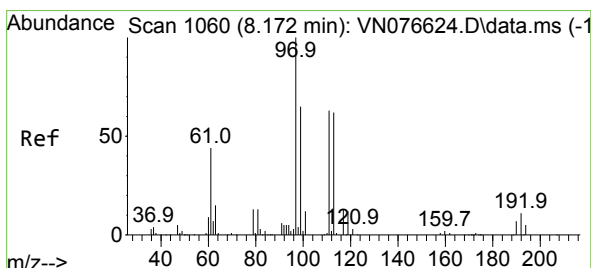
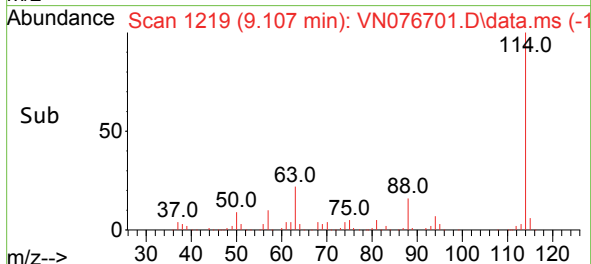
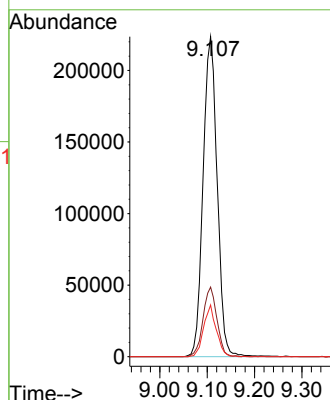
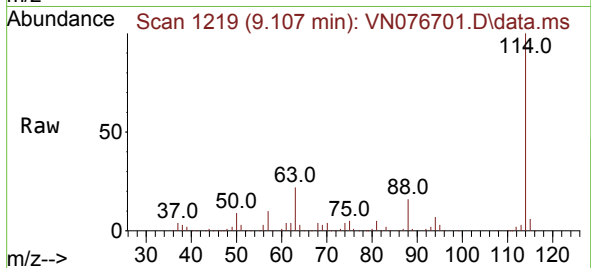
Tgt Ion:114 Resp: 462068

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 16.1 0.0 29.6



#35

Dibromofluoromethane

Concen: 48.187 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076701.D

Acq: 16 Feb 2023 10:53

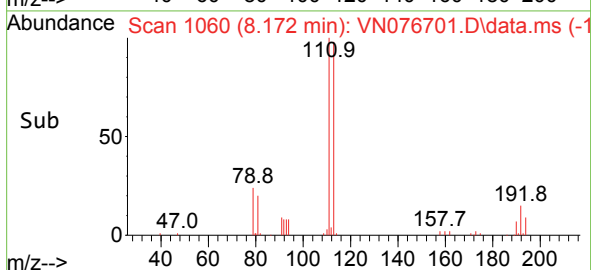
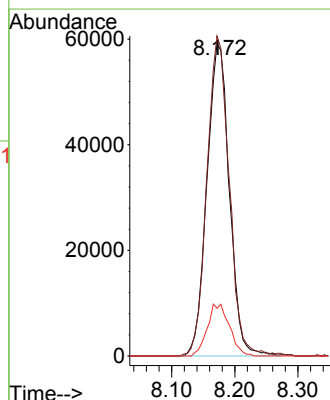
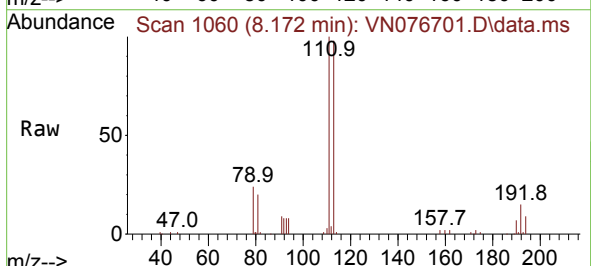
Tgt Ion:113 Resp: 145814

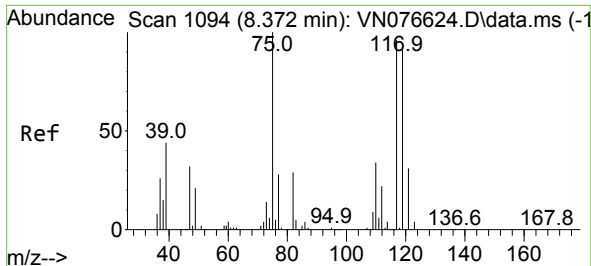
Ion Ratio Lower Upper

113 100

111 101.6 83.1 124.7

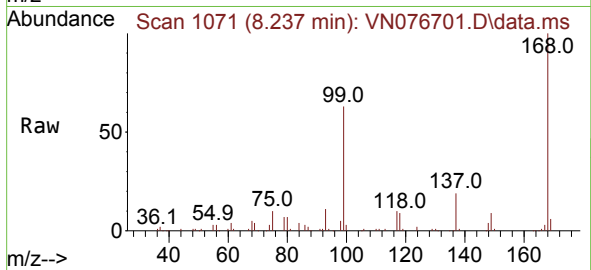
192 16.5 15.6 23.4



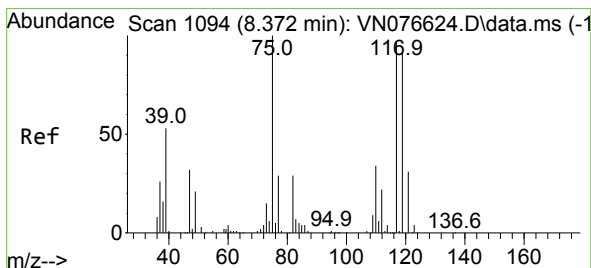
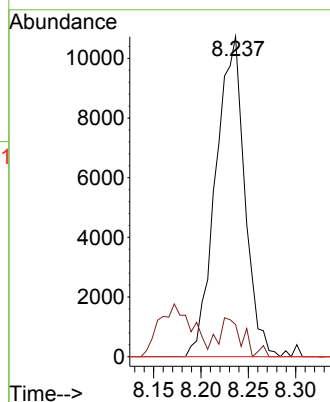
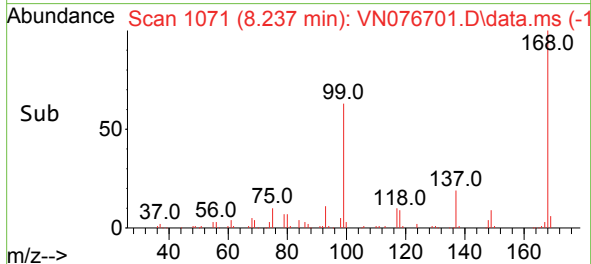


#36
 1,1-Dichloropropene
 Concen: 5.219 ug/l
 RT: 8.237 min Scan# 1071
 Delta R.T. -0.135 min
 Lab File: VN076701.D
 Acq: 16 Feb 2023 10:53

Instrument :
 MSVOA_N
 ClientSampleId :

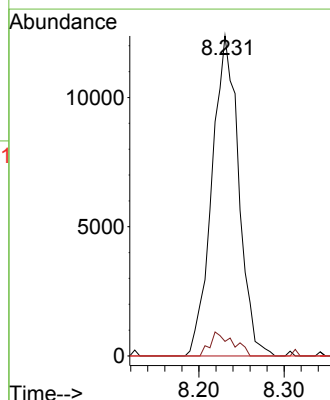
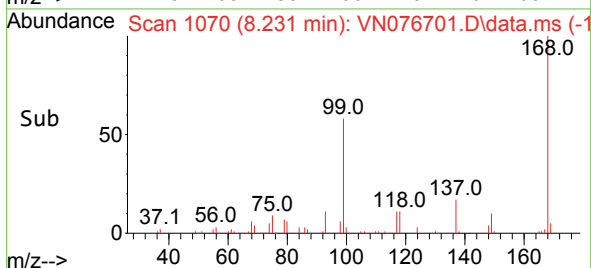
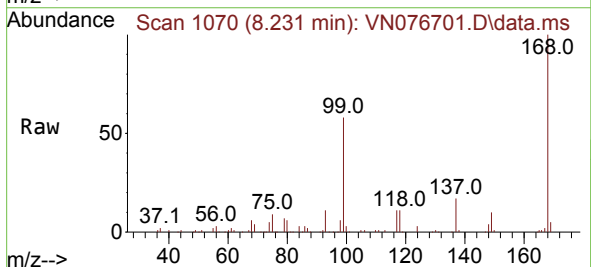


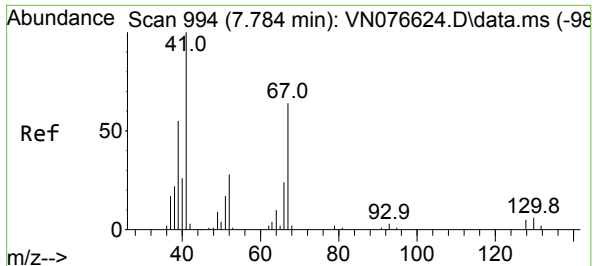
Tgt Ion: 75 Resp: 22817
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.5 52.5#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.142 ug/l
 RT: 8.231 min Scan# 1070
 Delta R.T. -0.141 min
 Lab File: VN076701.D
 Acq: 16 Feb 2023 10:53

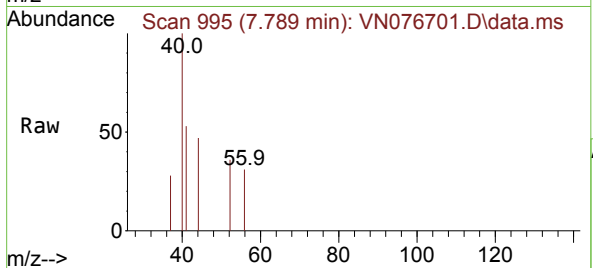
Tgt Ion: 117 Resp: 27091
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.4 113.0#
 121 0.0 26.0 39.0#



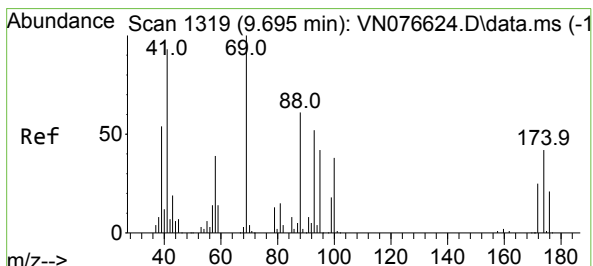
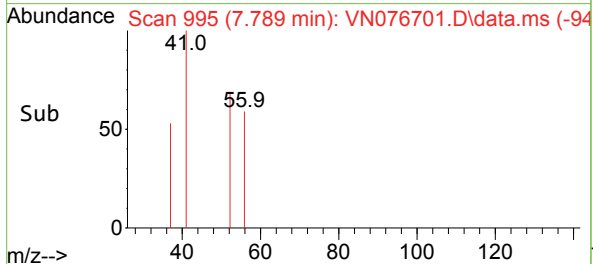
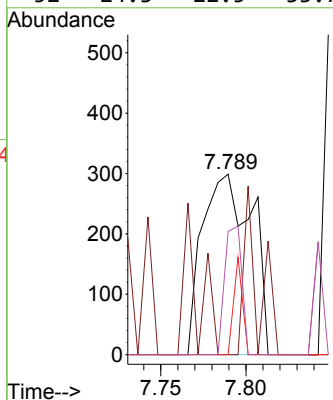


#41
Methacrylonitrile
Concen: 0.227 ug/l
RT: 7.789 min Scan# 994
Delta R.T. 0.005 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

Instrument :
MSVOA_N
ClientSampleId :

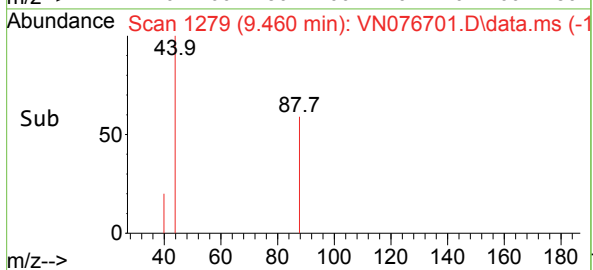
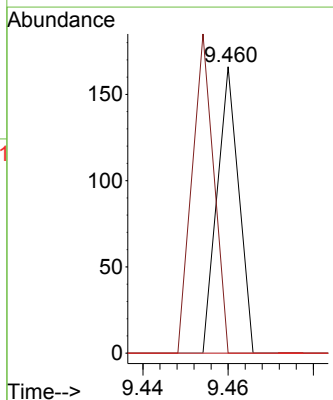
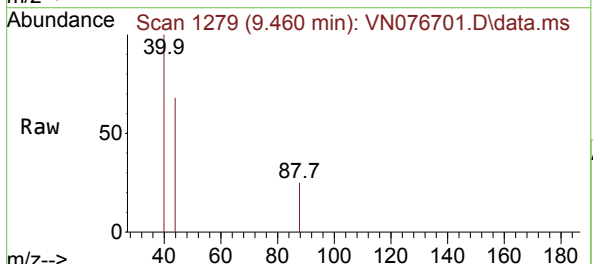


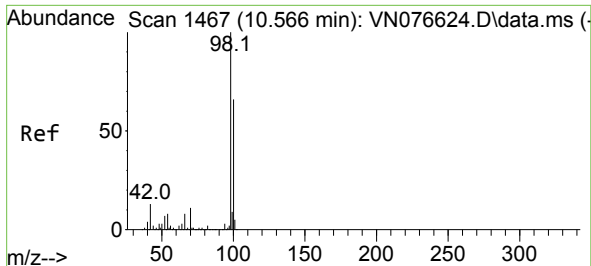
Tgt Ion: 41	Resp: 606
Ion Ratio	Lower Upper
41	100
39	27.2 42.6 63.8#
67	9.4 51.4 77.0#
52	24.3 22.5 33.7



#49
1,4-Dioxane
Concen: 0.960 ug/l
RT: 9.460 min Scan# 1279
Delta R.T. -0.235 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

Tgt Ion: 88	Resp: 59
Ion Ratio	Lower Upper
88	100
43	110.2 22.6 33.8#
58	0.0 57.6 86.4#

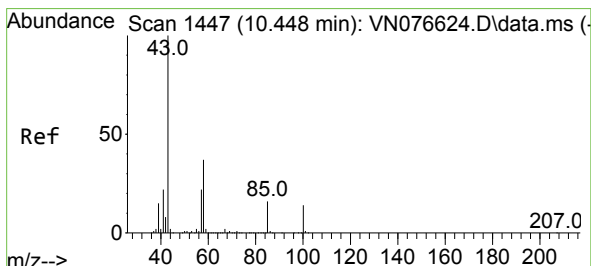
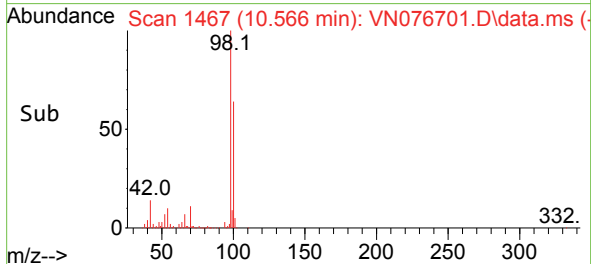
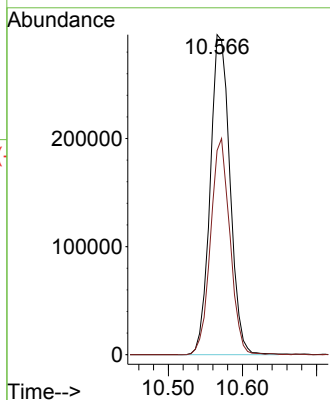
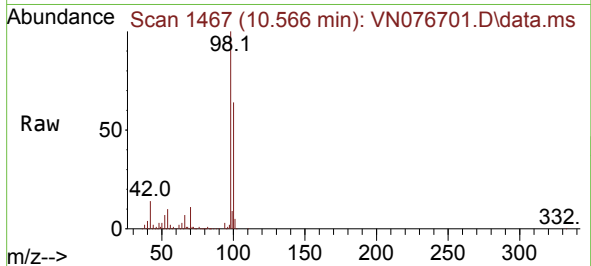




#50
Toluene-d8
Concen: 48.533 ug/l
RT: 10.566 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

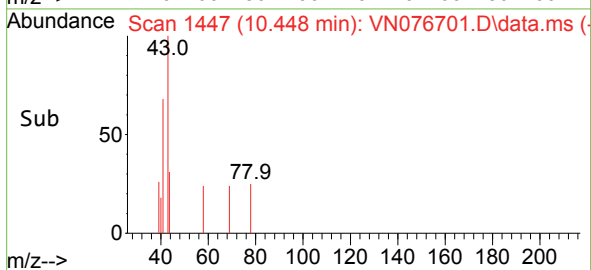
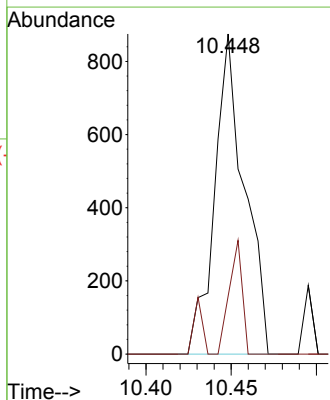
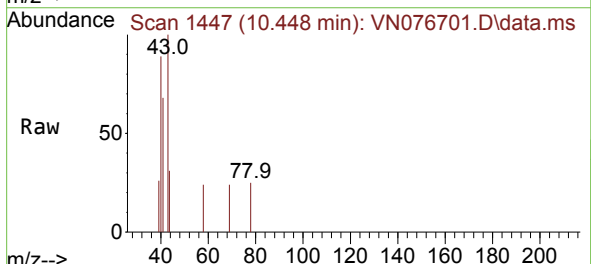
Instrument :
MSVOA_N
ClientSampleId :

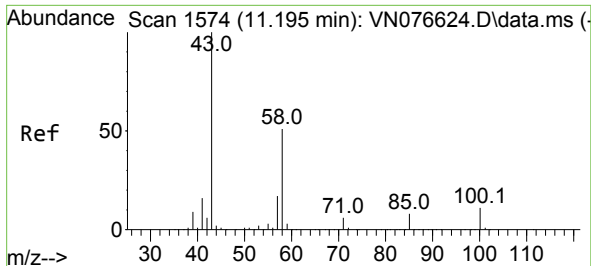
Tgt Ion: 98 Resp: 548457
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.224 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
58 15.6 29.5 44.3#

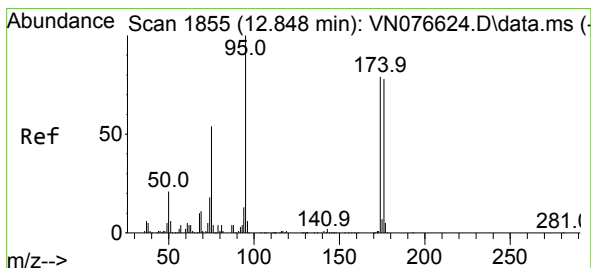
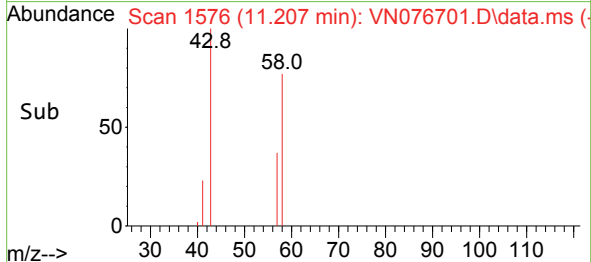
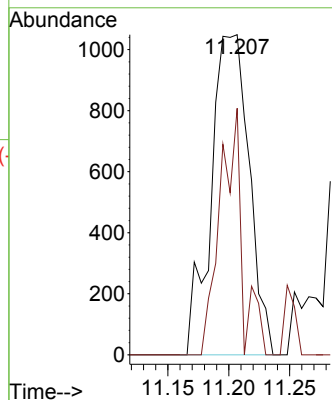
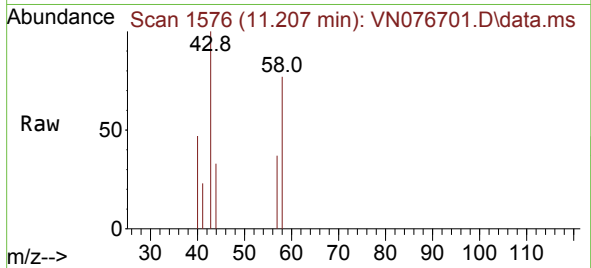




#59
2-Hexanone
Concen: 0.665 ug/l
RT: 11.207 min Scan# 1157
Delta R.T. 0.012 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

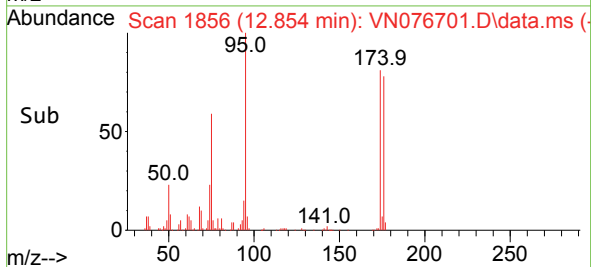
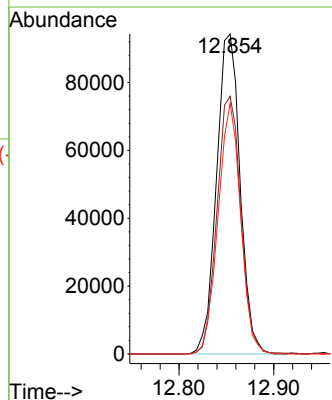
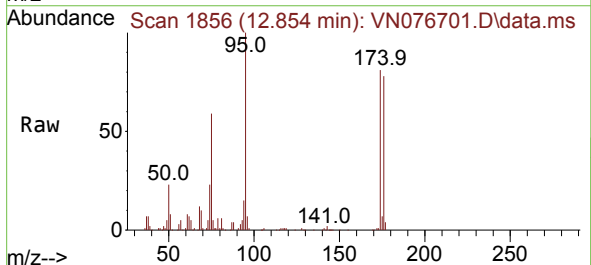
Instrument :
MSVOA_N
ClientSampleId :

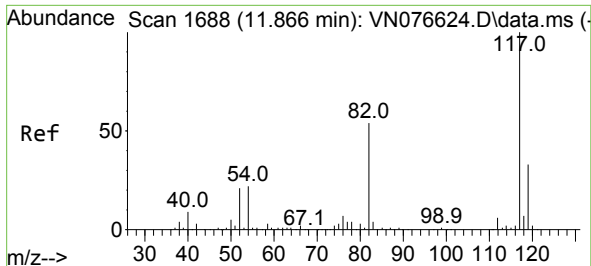
Tgt Ion: 43 Resp: 2285
Ion Ratio Lower Upper
43 100
58 44.9 25.4 76.0



#62
4-Bromofluorobenzene
Concen: 43.572 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

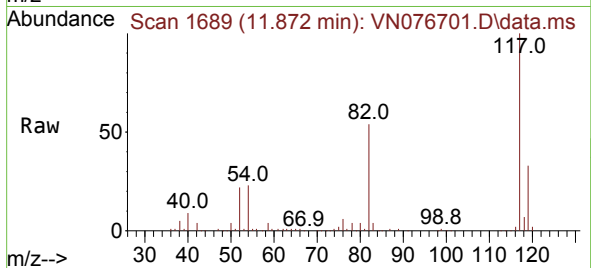
Tgt Ion: 95 Resp: 163084
Ion Ratio Lower Upper
95 100
174 81.4 0.0 169.2
176 75.1 0.0 163.4



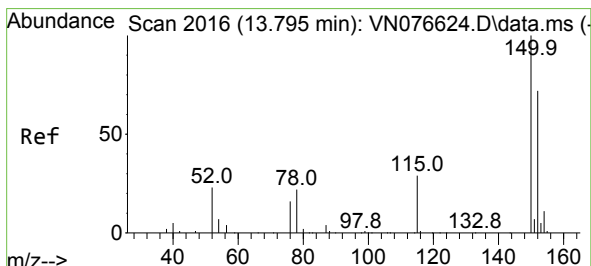
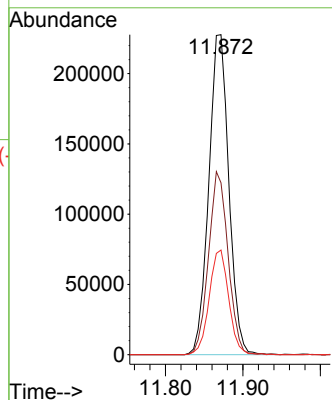
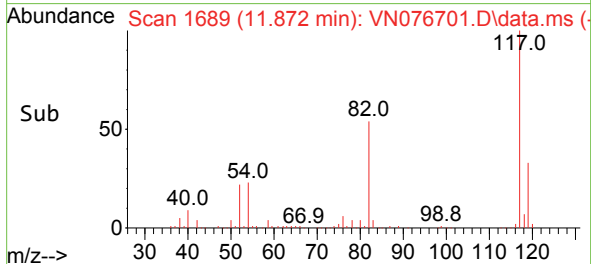


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

Instrument :
MSVOA_N
ClientSampleId :

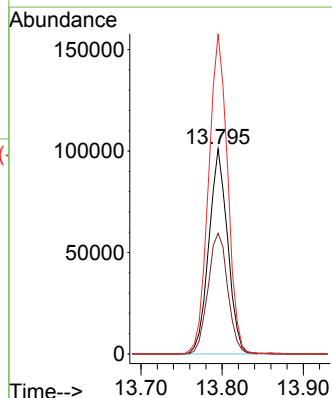
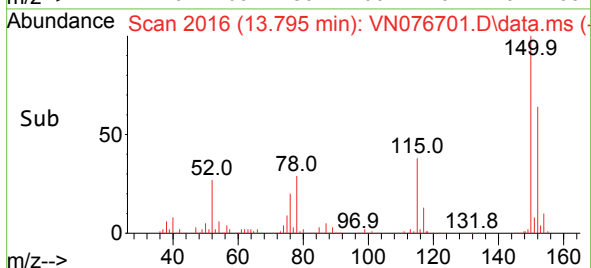
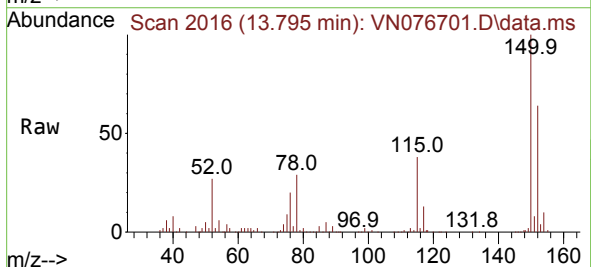


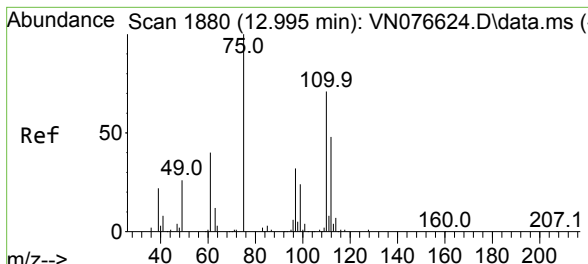
Tgt Ion:117 Resp: 409341
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.2
119 32.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

Tgt Ion:152 Resp: 162140
Ion Ratio Lower Upper
152 100
115 61.7 29.3 87.9
150 158.4 0.0 349.8

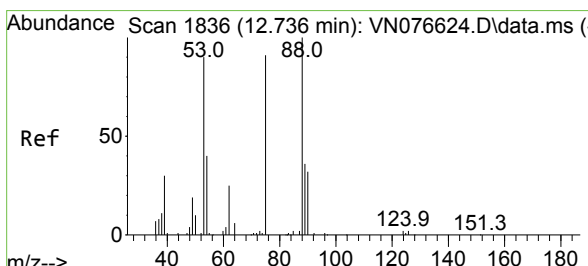
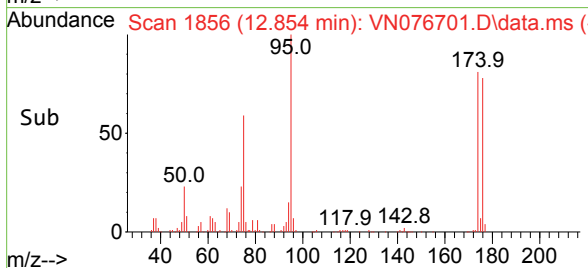
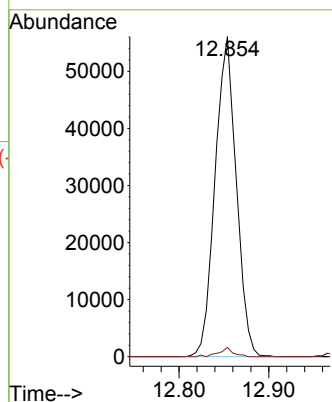
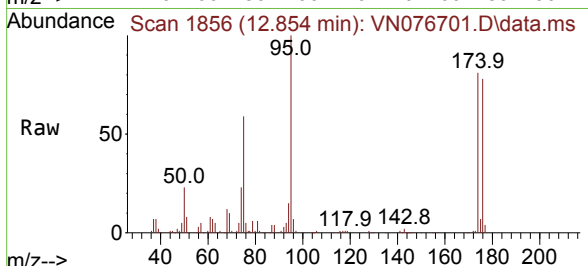




#76
1,2,3-Trichloropropane
Concen: 28.101 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

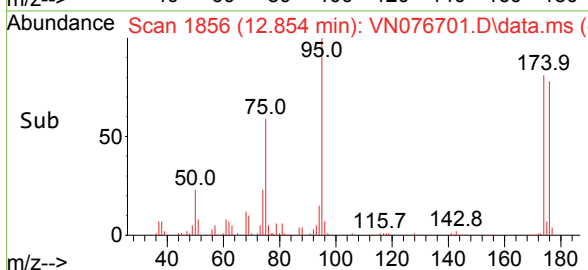
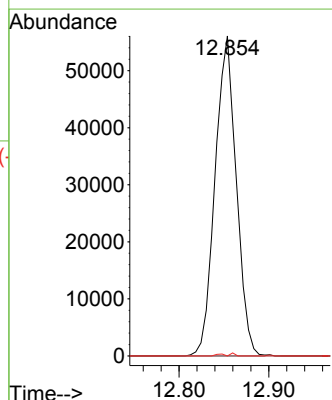
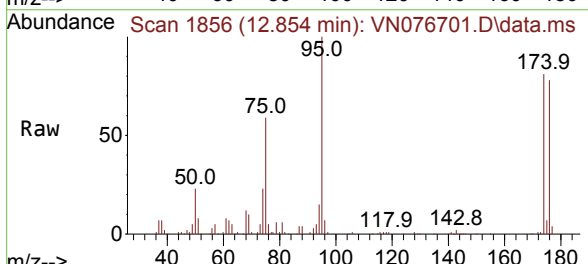
Instrument :
MSVOA_N
ClientSampleId :

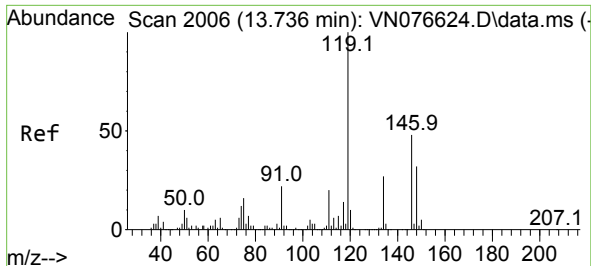
Tgt Ion: 75 Resp: 92115
Ion Ratio Lower Upper
75 100
77 2.0 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.846 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

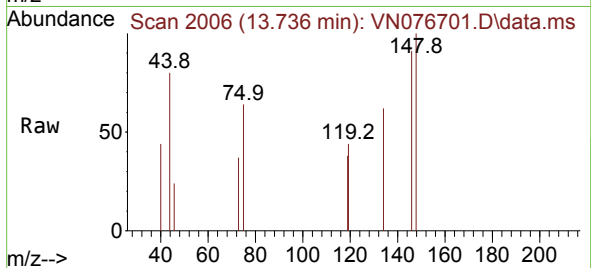
Tgt Ion: 75 Resp: 92115
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.2 37.5 56.3#



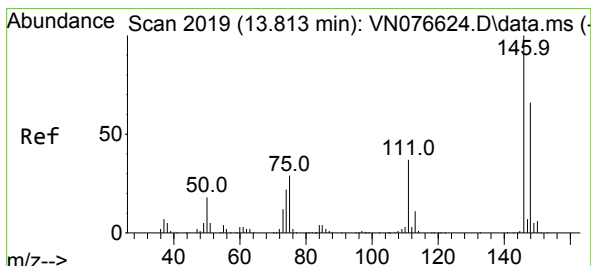
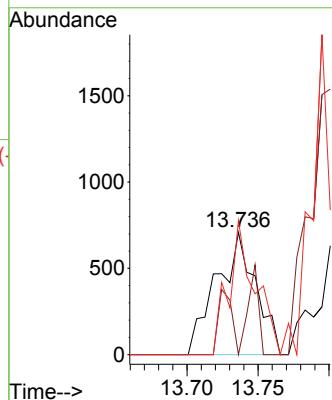
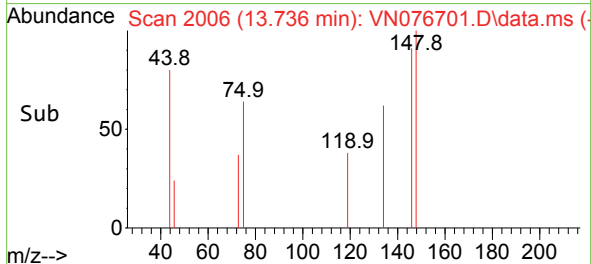


#87
1,3-Dichlorobenzene
Concen: 0.244 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53

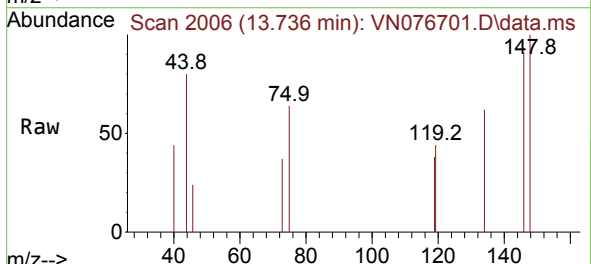
Instrument :
MSVOA_N
ClientSampleId :



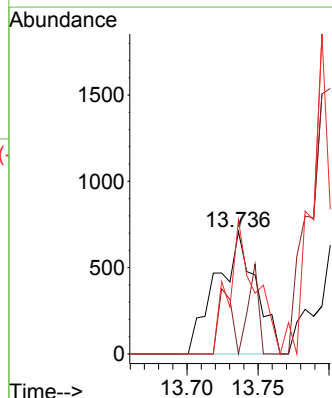
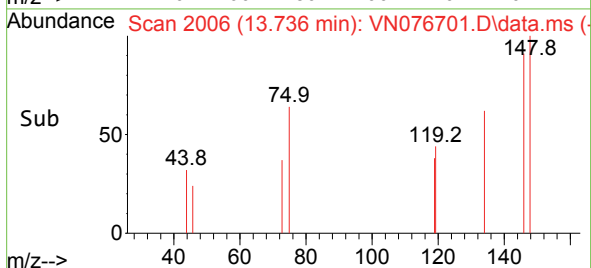
Tgt Ion:146 Resp: 1365
Ion Ratio Lower Upper
146 100
111 19.6 19.8 59.4#
148 74.1 32.0 96.2

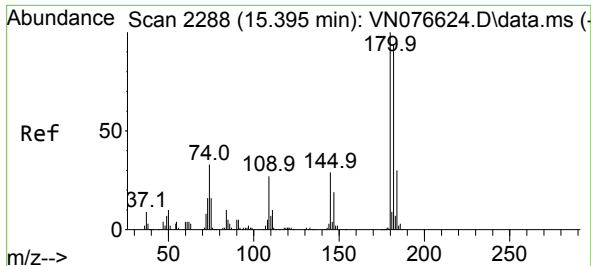


#88
1,4-Dichlorobenzene
Concen: 0.245 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.077 min
Lab File: VN076701.D
Acq: 16 Feb 2023 10:53



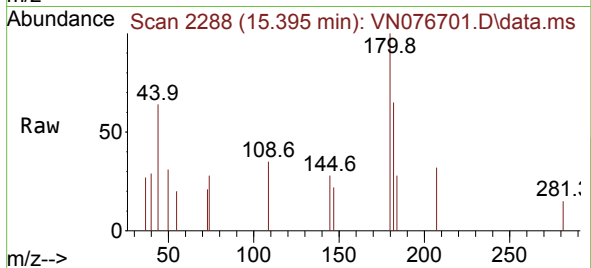
Tgt Ion:146 Resp: 1365
Ion Ratio Lower Upper
146 100
111 19.6 19.4 58.1
148 74.1 32.7 98.1



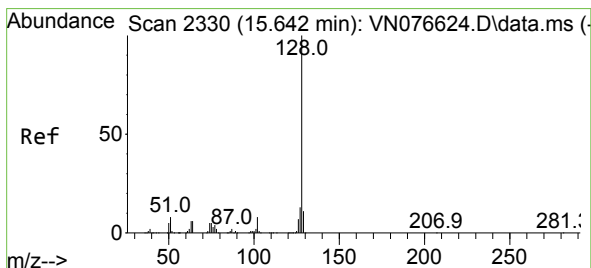
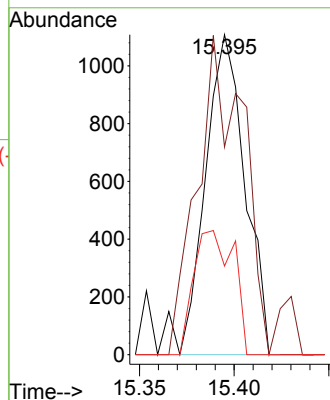
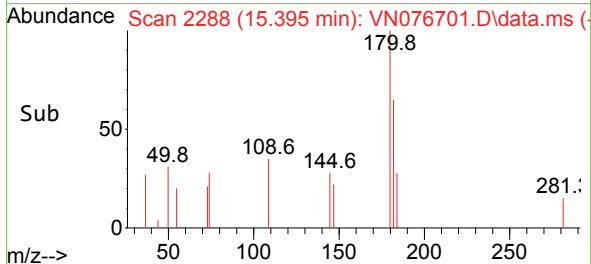


#93
 1,2,4-Trichlorobenzene
 Concen: 0.555 ug/l
 RT: 15.395 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076701.D
 Acq: 16 Feb 2023 10:53

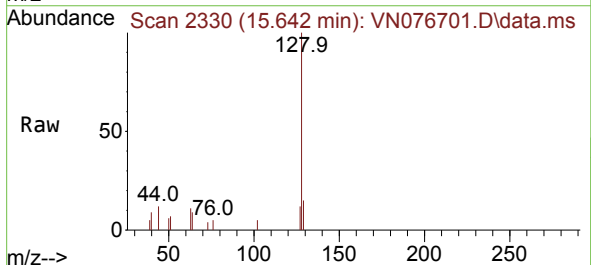
Instrument :
 MSVOA_N
 ClientSampleId :



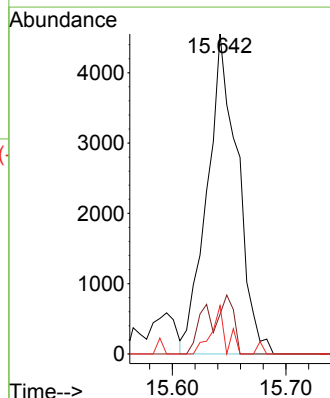
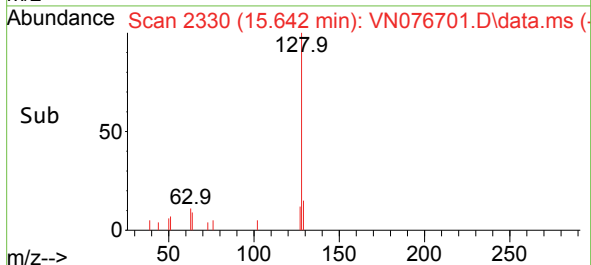
Tgt Ion:180 Resp: 1592
 Ion Ratio Lower Upper
 180 100
 182 116.7 48.0 144.0
 145 39.6 15.2 45.6

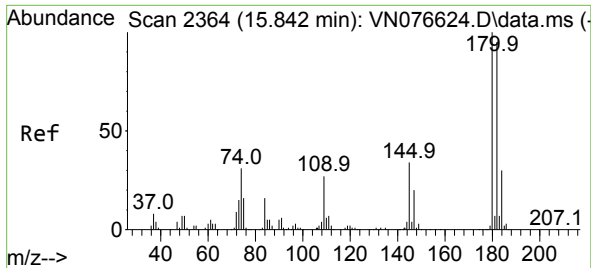


#95
 Naphthalene
 Concen: 0.975 ug/l
 RT: 15.642 min Scan# 2330
 Delta R.T. -0.000 min
 Lab File: VN076701.D
 Acq: 16 Feb 2023 10:53



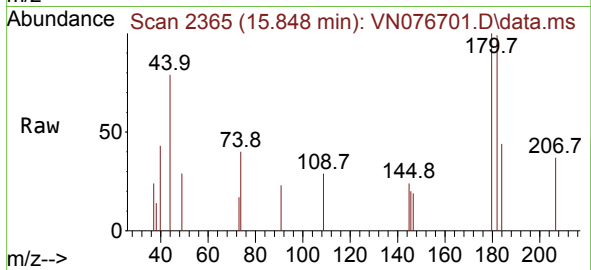
Tgt Ion:128 Resp: 8480
 Ion Ratio Lower Upper
 128 100
 127 8.5 10.6 16.0#
 129 7.2 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.770 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076701.D
 Acq: 16 Feb 2023 10:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 2139
 Ion Ratio Lower Upper
 180 100
 182 94.1 46.7 140.1
 145 0.0 16.0 47.9#

