

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022323\
 Data File : VN076785.D
 Acq On : 23 Feb 2023 11:34
 Operator : JC\MD
 Sample : VN0223MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223MBL01

Quant Time: Feb 24 01:33:47 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)

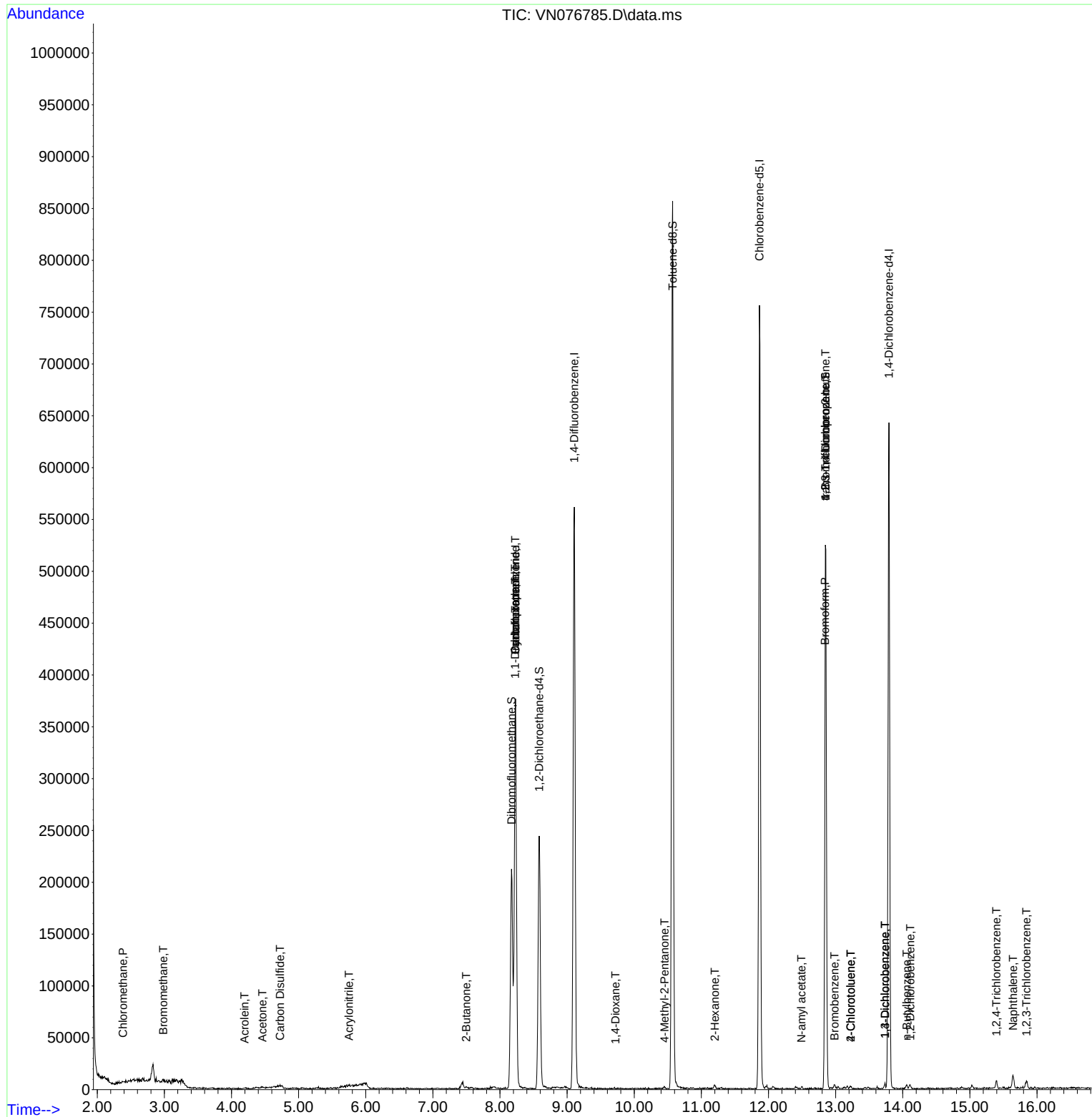
Internal Standards						
1) Pentafluorobenzene	8.231	168	263893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	473541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	414758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	157404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	192823	52.916	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.840%			
35) Dibromofluoromethane	8.172	113	149229	48.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.240%			
50) Toluene-d8	10.572	98	573637	49.531	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.060%			
62) 4-Bromofluorobenzene	12.848	95	167928	43.779	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.560%			
Target Compounds					Qvalue	
3) Chloromethane	2.384	50	824	0.225	ug/l #	44
5) Bromomethane	2.984	94	1078	0.494	ug/l #	67
13) Acrolein	4.196	56	513	0.710	ug/l #	14
15) Acrylonitrile	5.748	53	1704	0.998	ug/l #	54
16) Acetone	4.460	43	1307	0.803	ug/l	96
17) Carbon Disulfide	4.725	76	2255	0.314	ug/l #	73
25) 2-Butanone	7.495	43	619	0.258	ug/l #	89
31) Cyclohexane	8.231	56	7249	1.268	ug/l #	1
36) 1,1-Dichloropropene	8.225	75	24395	5.445	ug/l #	51
38) Carbon Tetrachloride	8.231	117	27521	6.089	ug/l #	17
49) 1,4-Dioxane	9.719	88	75	1.191	ug/l #	23
51) 4-Methyl-2-Pentanone	10.454	43	1780	0.365	ug/l #	85
59) 2-Hexanone	11.201	43	2785	0.791	ug/l	95
71) Bromoform	12.842	173	1050	0.448	ug/l #	1
74) N-amyl acetate	12.489	43	1420	0.273	ug/l #	80
76) 1,2,3-Trichloropropane	12.848	75	92750	29.146	ug/l #	1
77) Bromobenzene	12.983	156	602	0.209	ug/l	53
79) 2-Chlorotoluene	13.224	91	1825	0.220	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.848	75	92750	84.889	ug/l #	4
82) 4-Chlorotoluene	13.224	91	1825	0.220	ug/l	87
87) 1,3-Dichlorobenzene	13.736	146	2033	0.374	ug/l	80
88) 1,4-Dichlorobenzene	13.736	146	2033	0.375	ug/l	79
89) n-Butylbenzene	14.060	91	2365	0.283	ug/l	93
91) 1,2-Dichlorobenzene	14.113	146	1687	0.302	ug/l	86
93) 1,2,4-Trichlorobenzene	15.395	180	2697	0.969	ug/l	84
95) Naphthalene	15.642	128	11889	1.408	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.842	180	2813	1.043	ug/l #	53

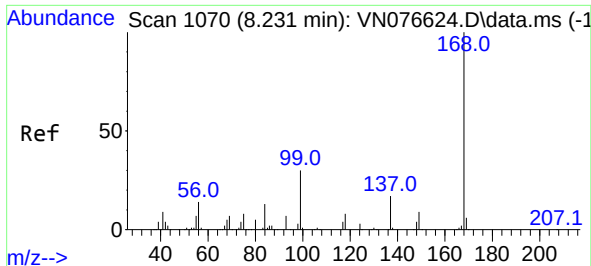
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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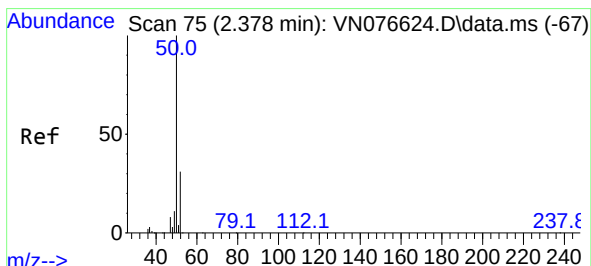
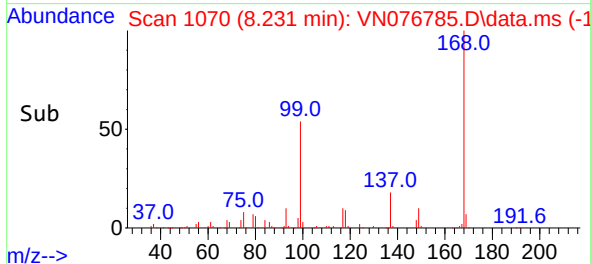
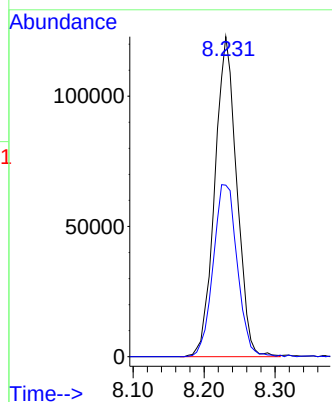
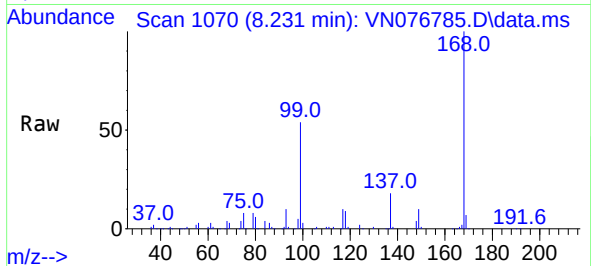




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

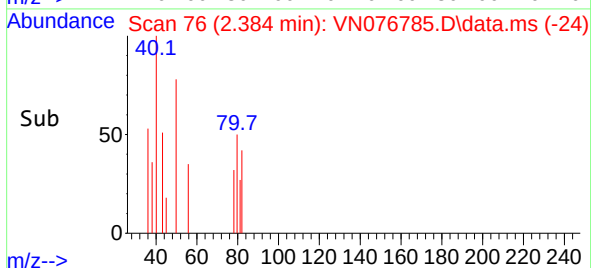
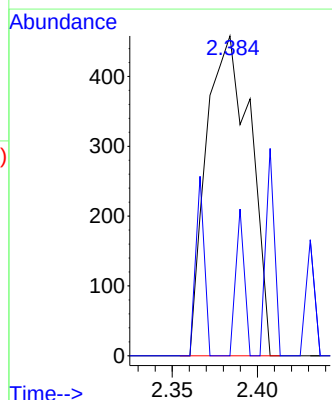
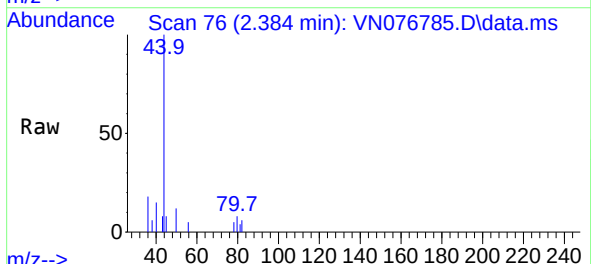
Instrument :
MSVOA_N
ClientSampleId :
VN0223MBL01

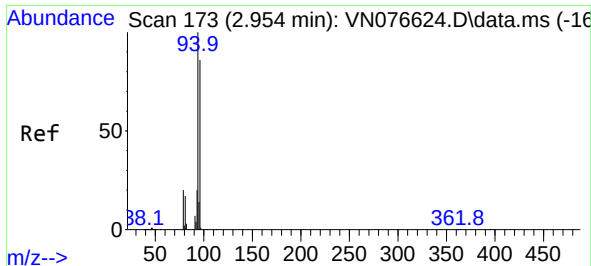
Tgt Ion:168 Resp: 263893
Ion Ratio Lower Upper
168 100
99 53.6 44.8 67.2



#3
Chloromethane
Concen: 0.225 ug/l
RT: 2.384 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 50 Resp: 824
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

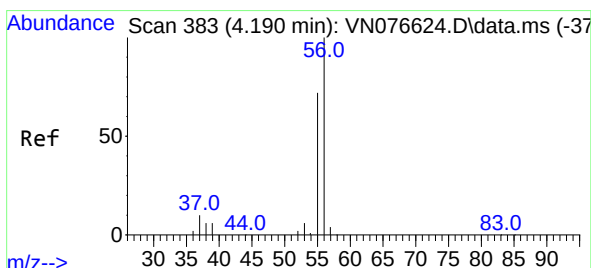
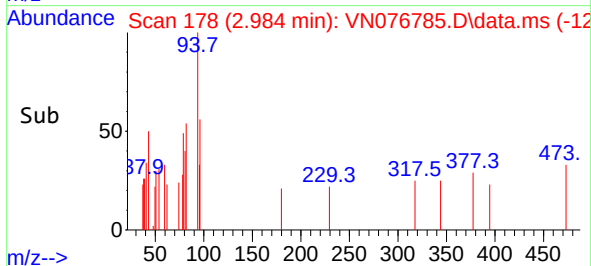
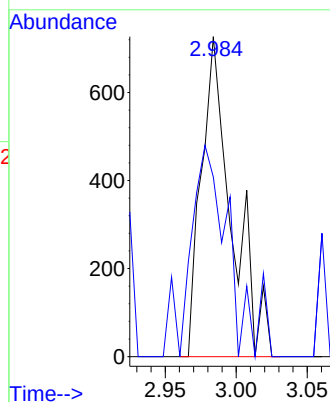
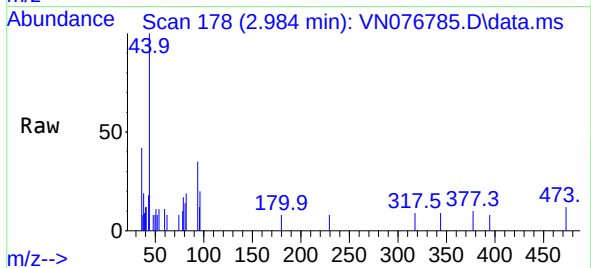




#5
Bromomethane
Concen: 0.494 ug/l
RT: 2.984 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

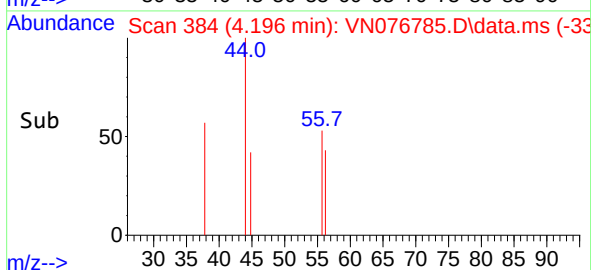
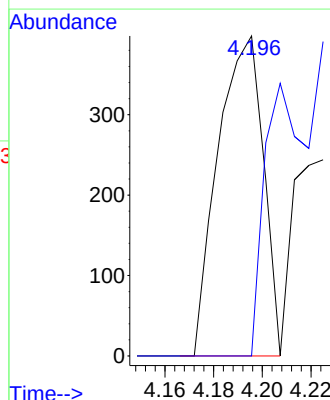
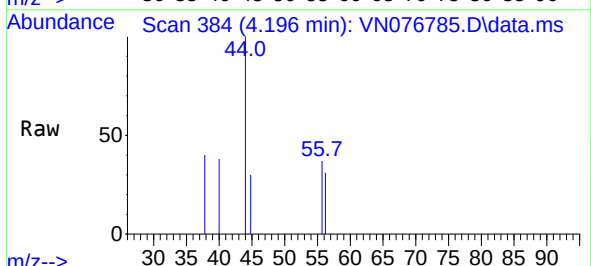
Instrument :
MSVOA_N
ClientSampleId :
VN0223MBL01

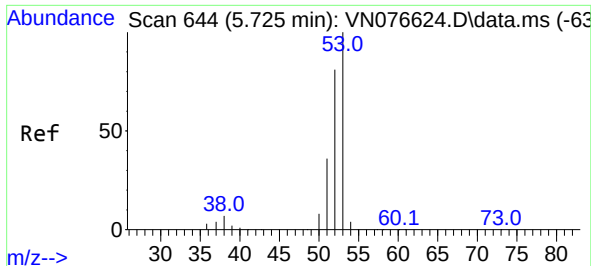
Tgt Ion: 94 Resp: 1078
Ion Ratio Lower Upper
94 100
96 56.1 69.0 103.4#



#13
Acrolein
Concen: 0.710 ug/l
RT: 4.196 min Scan# 384
Delta R.T. 0.006 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 56 Resp: 513
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#





#15

Acrylonitrile

Concen: 0.998 ug/l

RT: 5.748 min Scan# 64

Delta R.T. 0.023 min

Lab File: VN076785.D

Acq: 23 Feb 2023 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0223MBL01

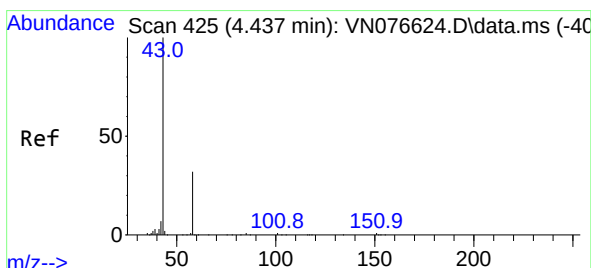
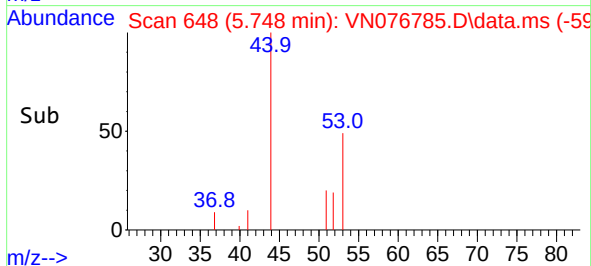
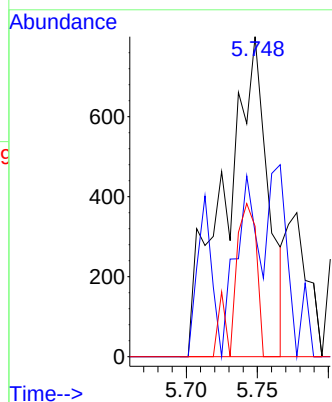
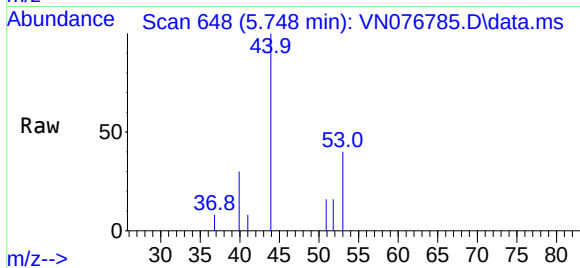
Tgt Ion: 53 Resp: 1704

Ion Ratio Lower Upper

53 100

52 30.0 65.3 97.9#

51 24.5 29.2 43.8#



#16

Acetone

Concen: 0.803 ug/l

RT: 4.460 min Scan# 429

Delta R.T. 0.023 min

Lab File: VN076785.D

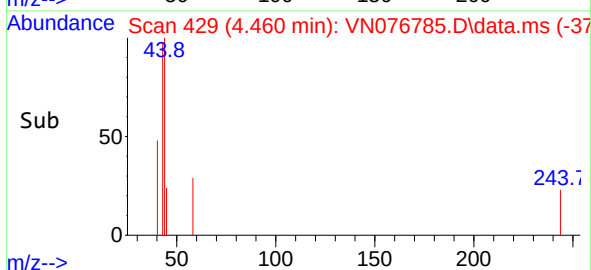
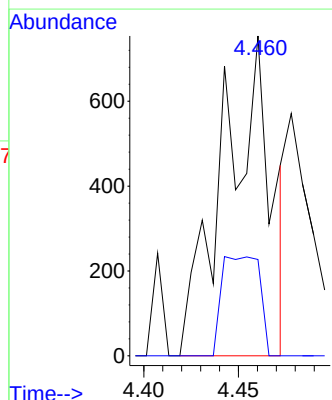
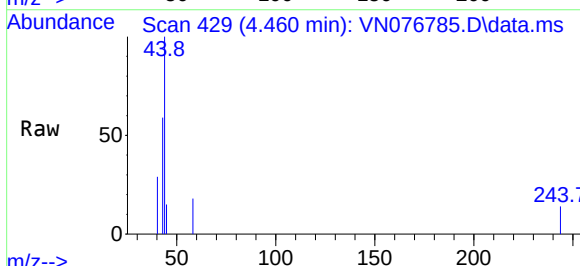
Acq: 23 Feb 2023 11:34

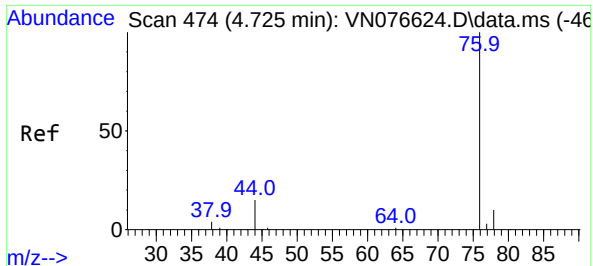
Tgt Ion: 43 Resp: 1307

Ion Ratio Lower Upper

43 100

58 30.1 25.9 38.9

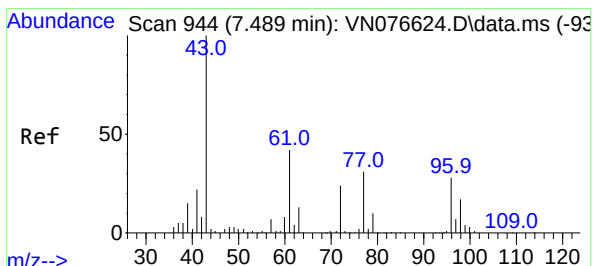
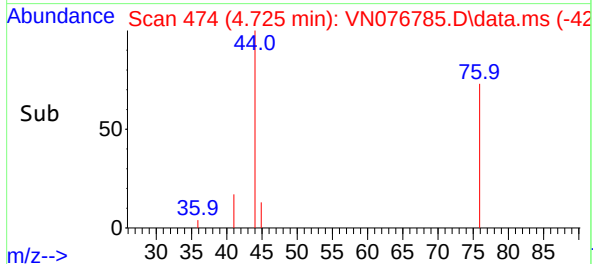
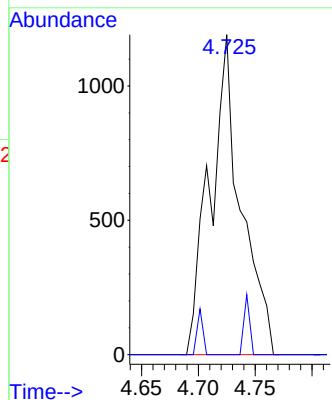
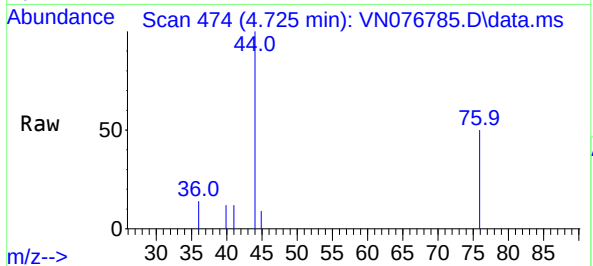




#17
Carbon Disulfide
Concen: 0.314 ug/l
RT: 4.725 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

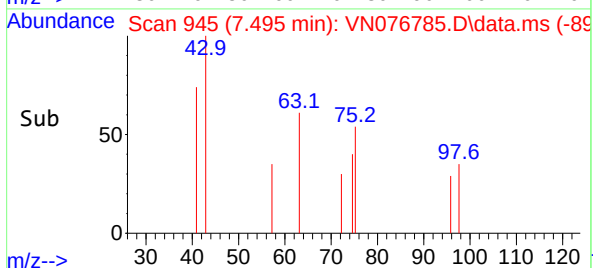
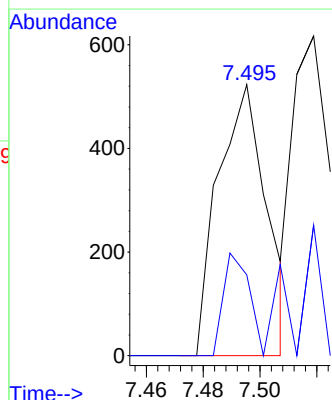
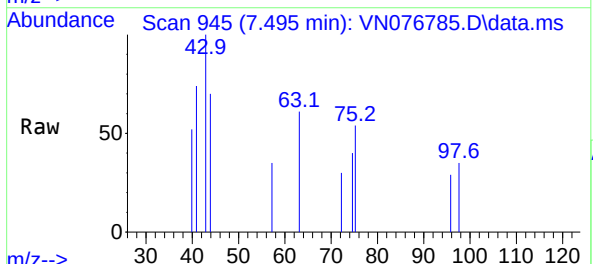
Instrument :
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ClientSampleId :
VN0223MBL01

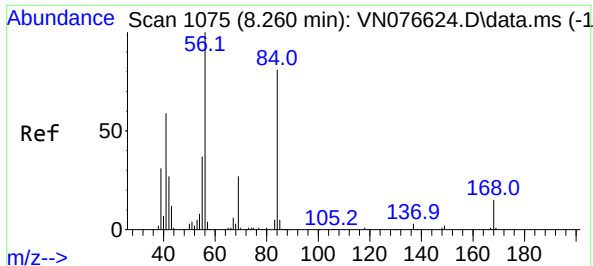
Tgt Ion: 76 Resp: 2255
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#



#25
2-Butanone
Concen: 0.258 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
72 29.8 19.4 29.2#

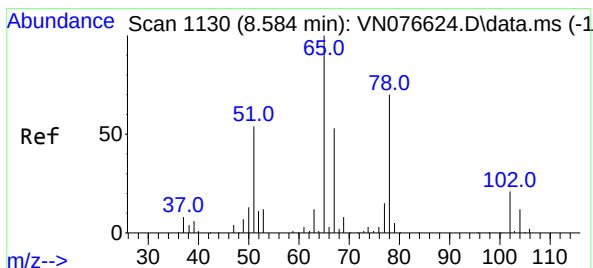
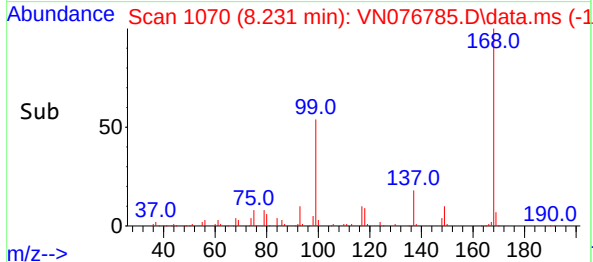
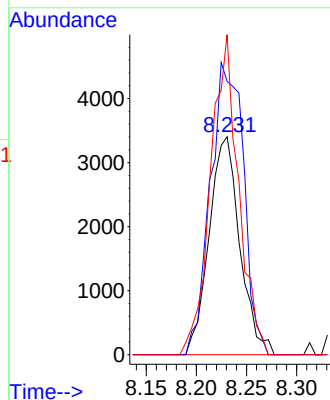
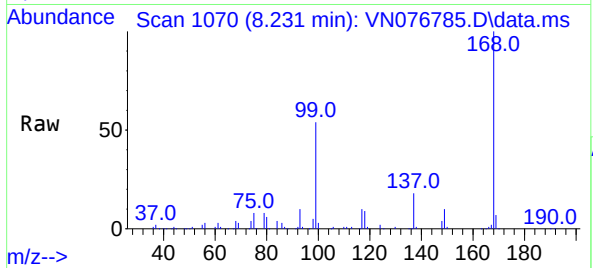




#31
Cyclohexane
Concen: 1.268 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

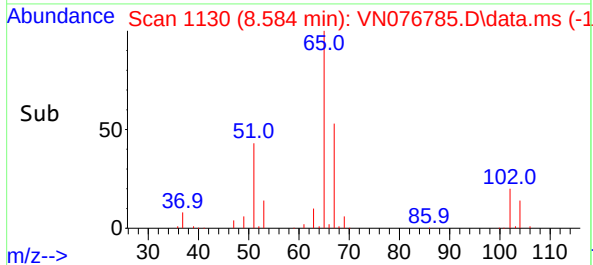
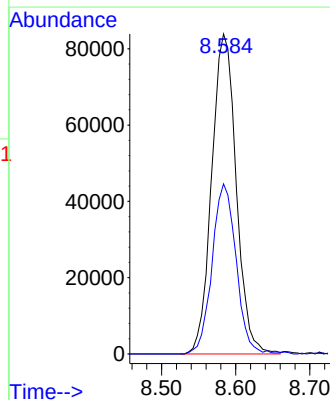
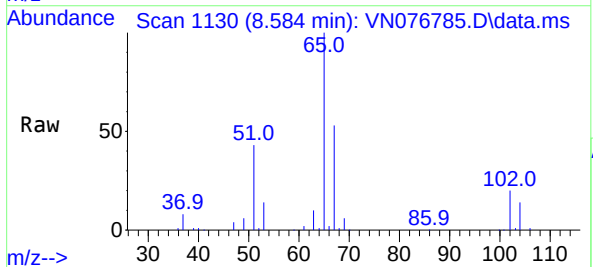
Instrument :
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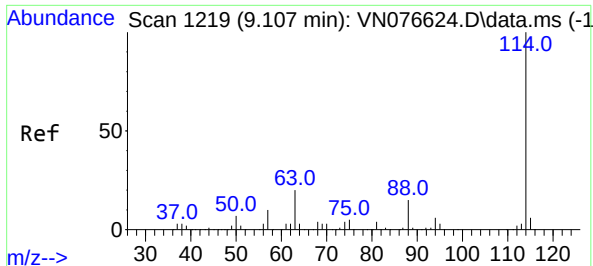
Tgt Ion: 56 Resp: 7249
Ion Ratio Lower Upper
56 100
69 125.5 21.6 32.4#
84 146.9 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 52.916 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 65 Resp: 192823
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.6

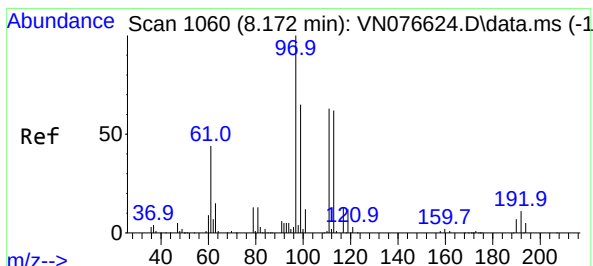
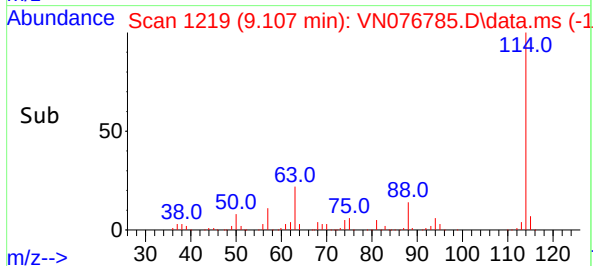
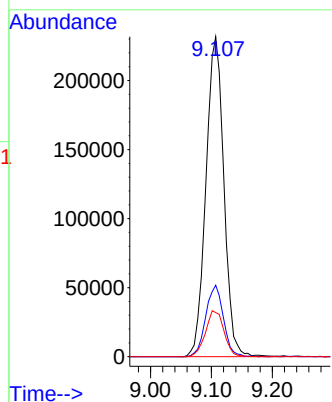
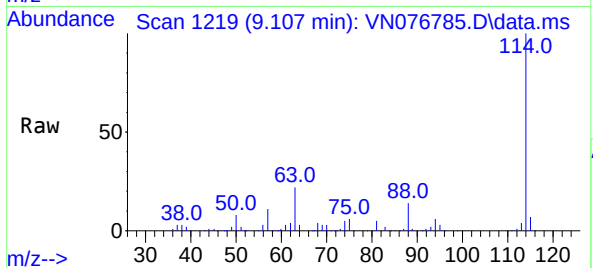




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

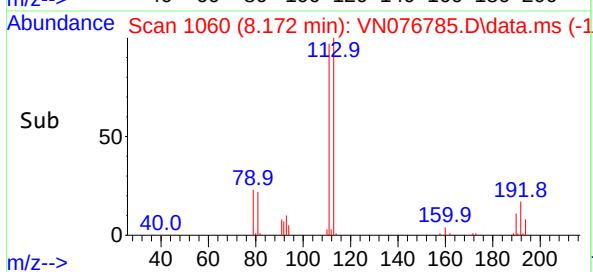
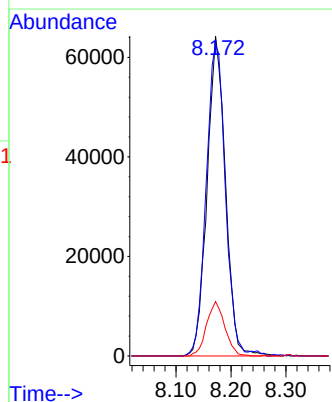
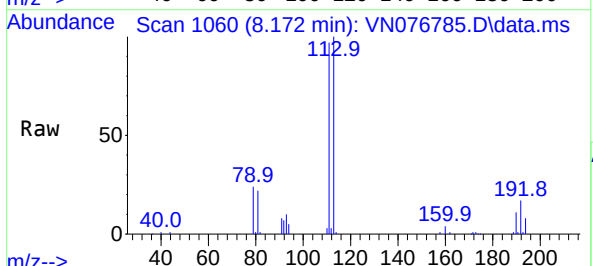
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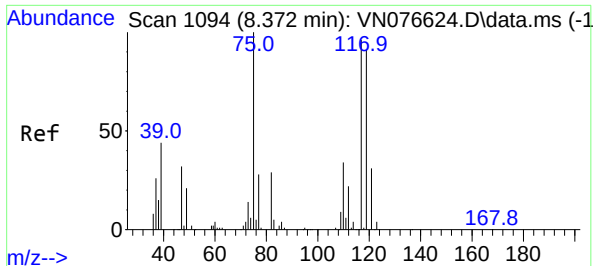
Tgt Ion:114 Resp: 473541
Ion Ratio Lower Upper
114 100
63 22.4 0.0 40.0
88 13.8 0.0 29.6



#35
Dibromofluoromethane
Concen: 48.121 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion:113 Resp: 149229
Ion Ratio Lower Upper
113 100
111 101.4 83.1 124.7
192 16.9 15.6 23.4

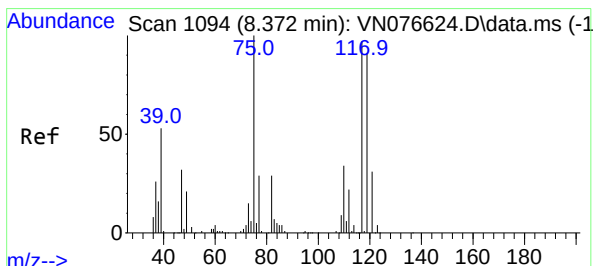
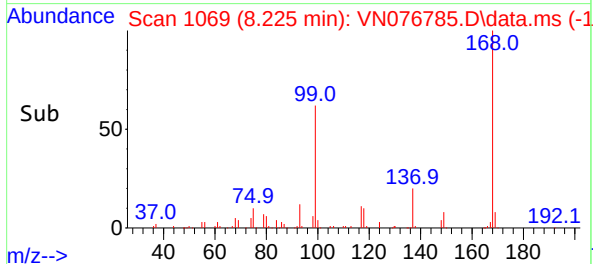
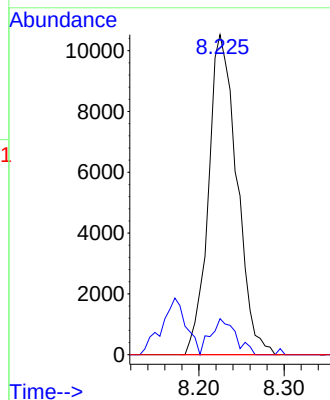
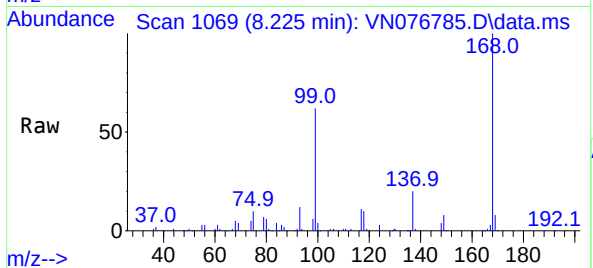




#36
1,1-Dichloropropene
Concen: 5.445 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.147 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

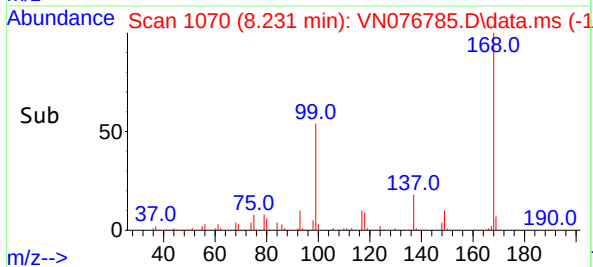
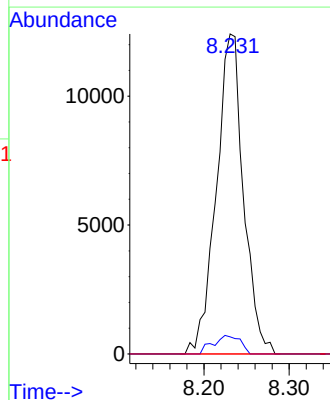
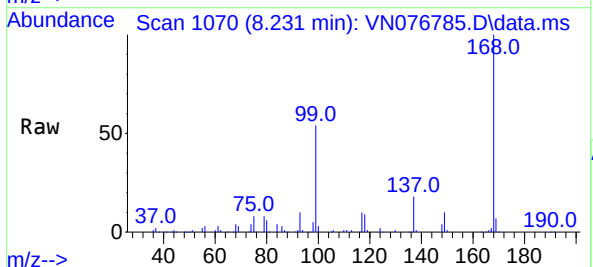
Instrument :
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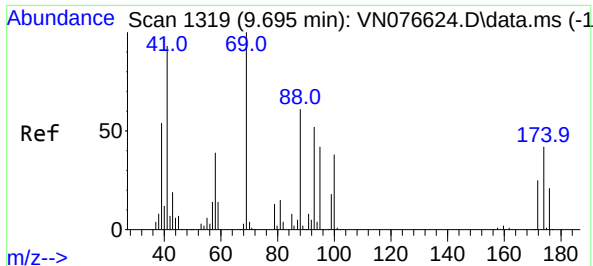
Tgt Ion: 75 Resp: 24395
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.5#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.089 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 117 Resp: 27521
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.0#
121 0.0 26.0 39.0#

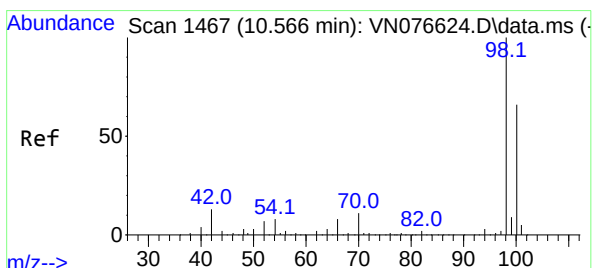
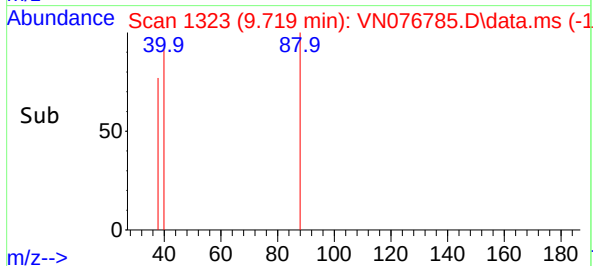
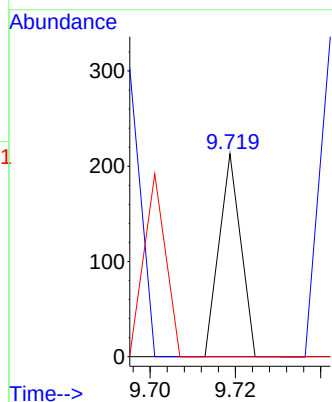
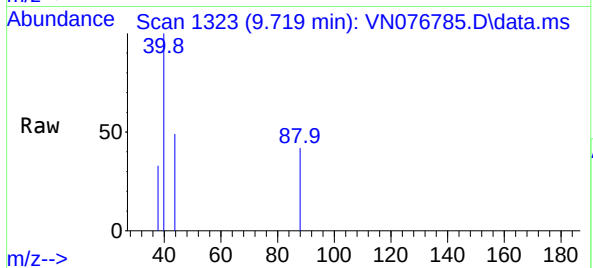




#49
1,4-Dioxane
Concen: 1.191 ug/l
RT: 9.719 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

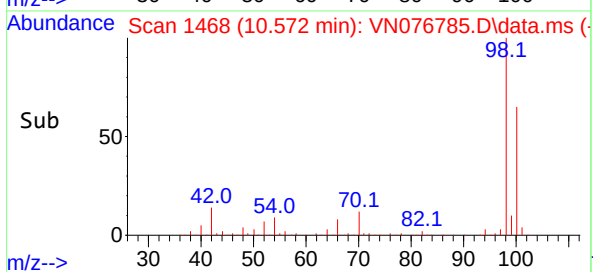
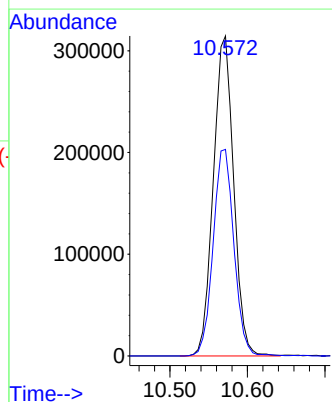
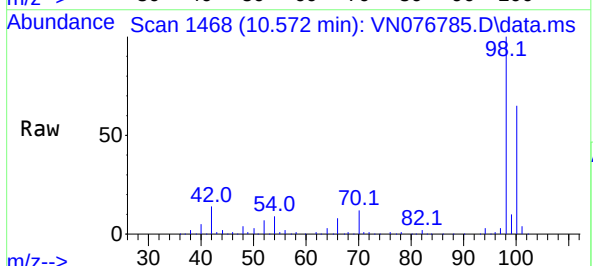
Instrument :
MSVOA_N
ClientSampleId :
VN0223MBL01

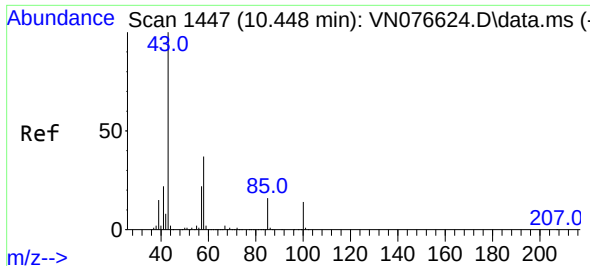
Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 0.0 22.6 33.8#
58 0.0 57.6 86.4#



#50
Toluene-d8
Concen: 49.531 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 98 Resp: 573637
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3

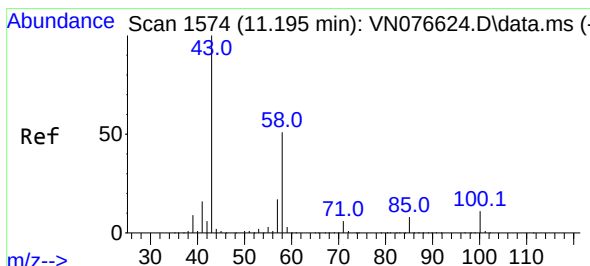
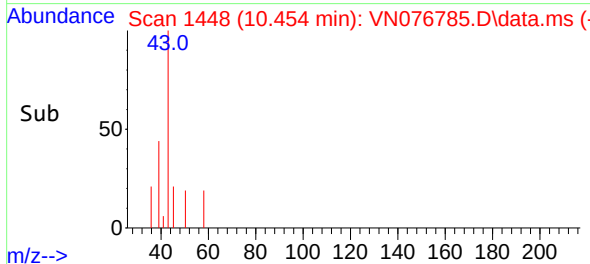
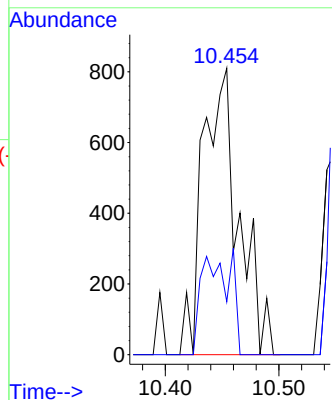
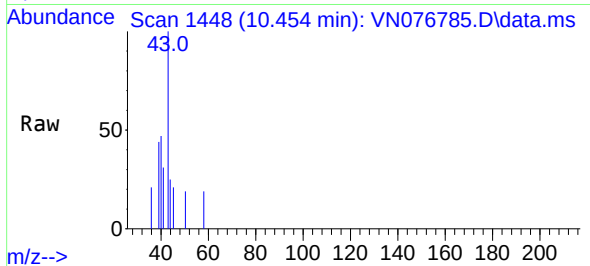




#51
4-Methyl-2-Pentanone
Concen: 0.365 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

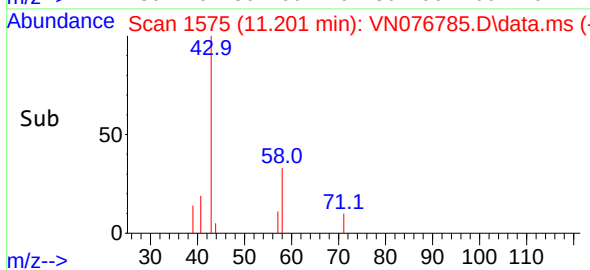
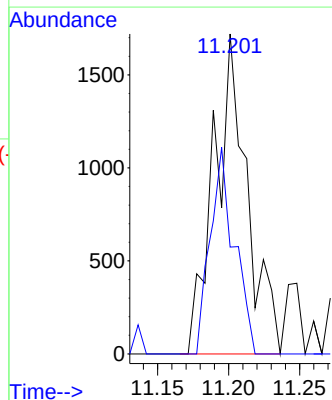
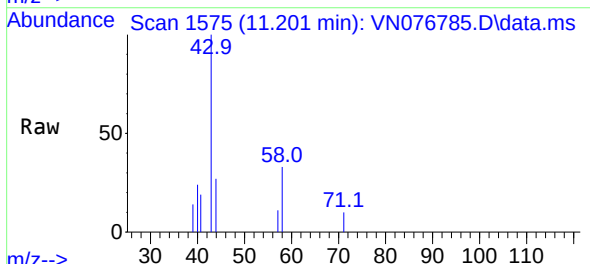
Instrument :
MSVOA_N
ClientSampleId :
VN0223MBL01

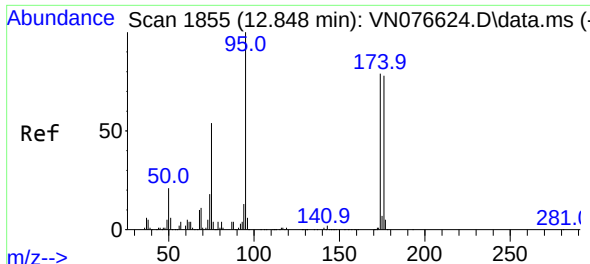
Tgt Ion: 43 Resp: 1780
Ion Ratio Lower Upper
43 100
58 28.3 29.5 44.3#



#59
2-Hexanone
Concen: 0.791 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
58 47.0 25.4 76.0

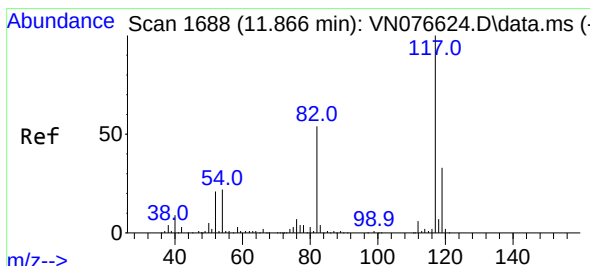
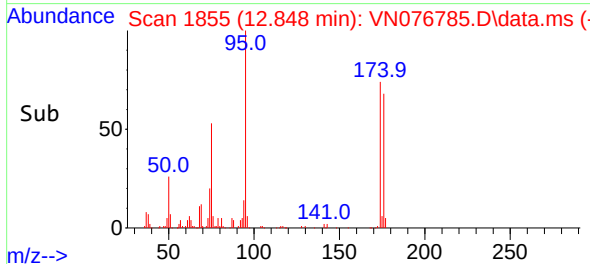
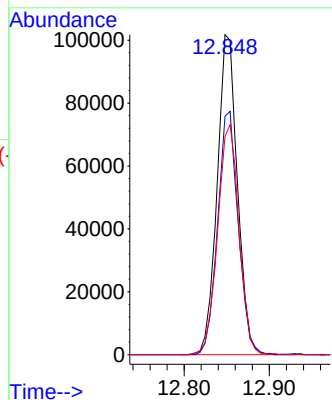
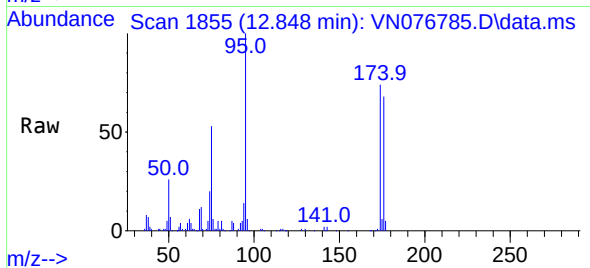




#62
4-Bromofluorobenzene
Concen: 43.779 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

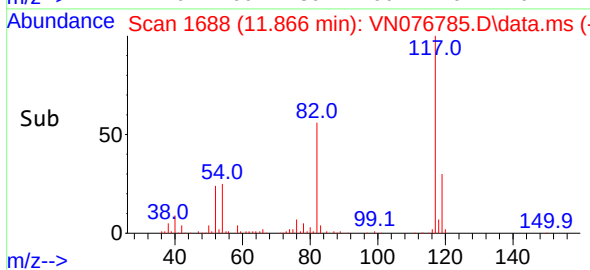
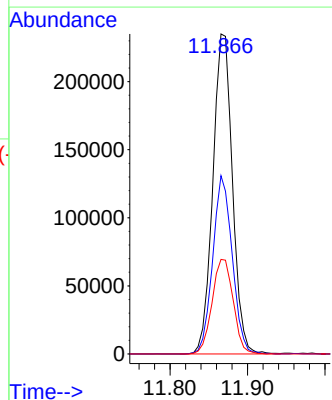
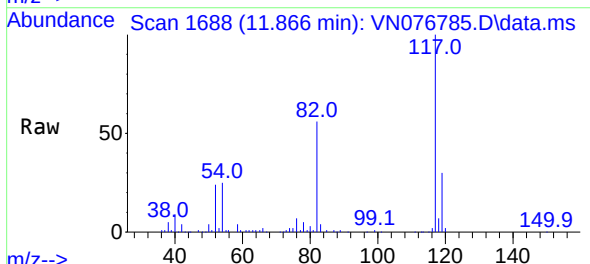
Instrument :
MSVOA_N
ClientSampleId :
VN0223MBL01

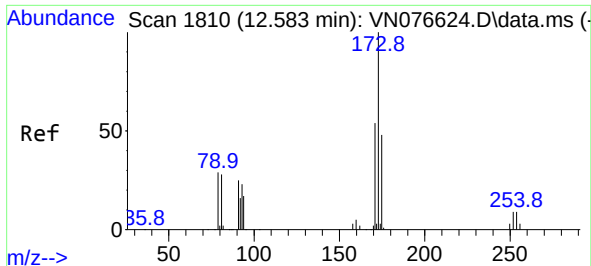
Tgt Ion: 95 Resp: 167928
Ion Ratio Lower Upper
95 100
174 77.2 0.0 169.2
176 75.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 117 Resp: 414758
Ion Ratio Lower Upper
117 100
82 55.7 43.4 65.2
119 29.6 26.1 39.1

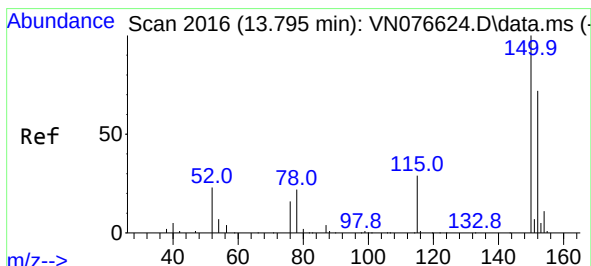
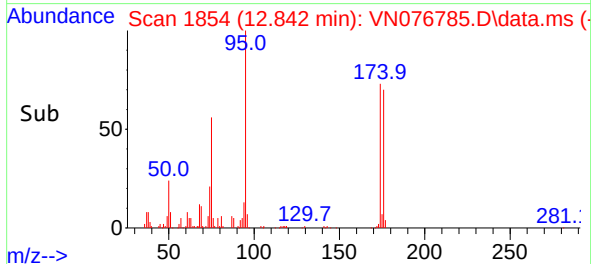
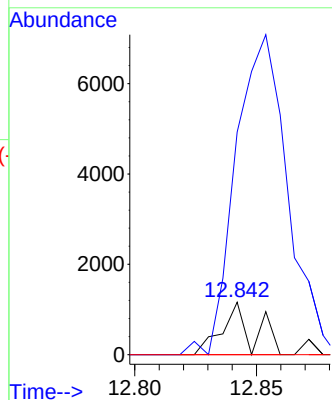
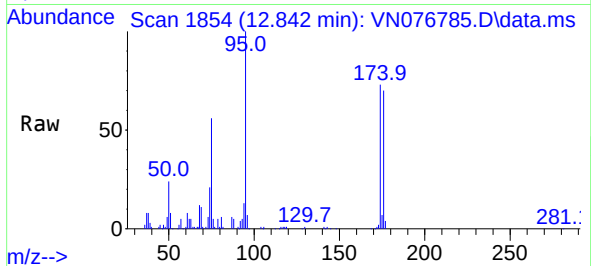




#71
Bromoform
Concen: 0.448 ug/l
RT: 12.842 min Scan# 1810
Delta R.T. 0.259 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

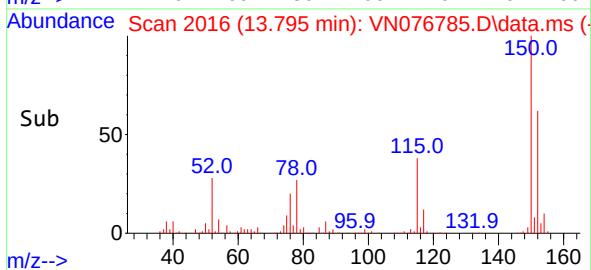
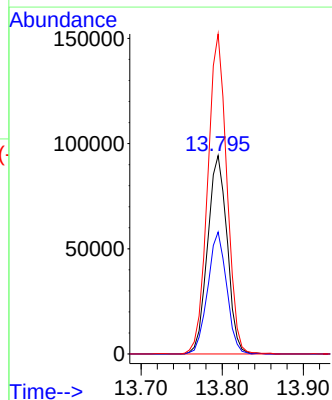
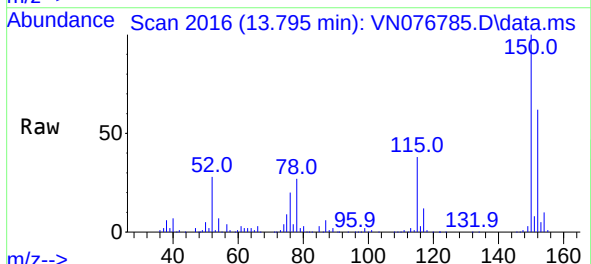
Instrument :
MSVOA_N
ClientSampleId :
VN0223MBL01

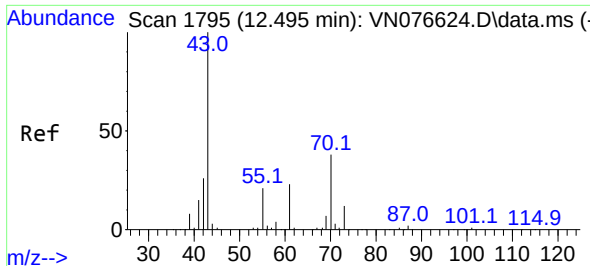
Tgt Ion:173 Resp: 1050
Ion Ratio Lower Upper
173 100
175 859.9 24.9 74.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion:152 Resp: 157404
Ion Ratio Lower Upper
152 100
115 59.7 29.3 87.9
150 158.0 0.0 349.8

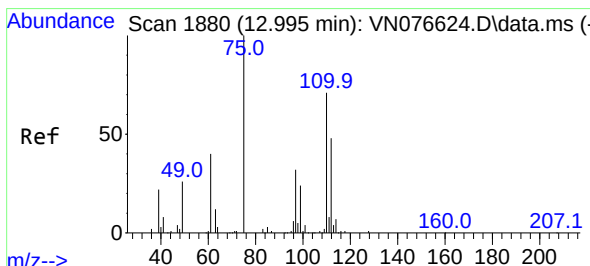
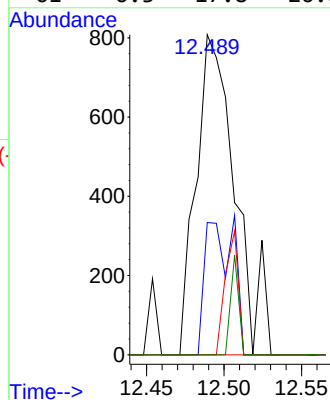
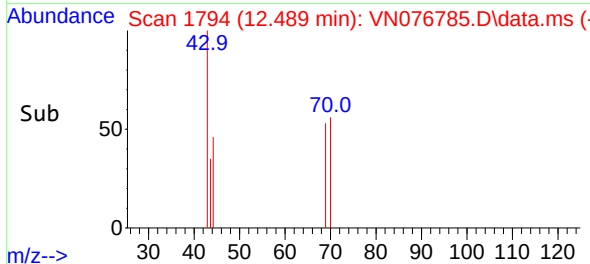
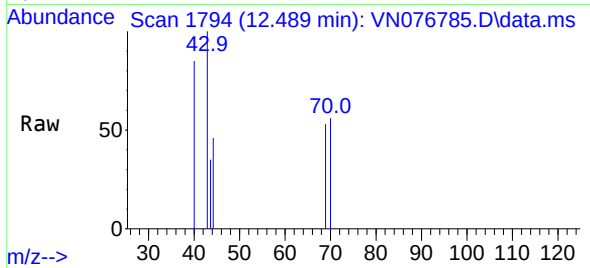




#74
N-amy1 acetate
Concen: 0.273 ug/l
RT: 12.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

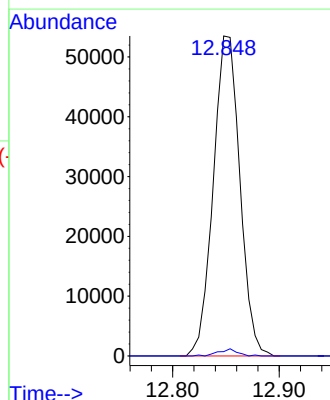
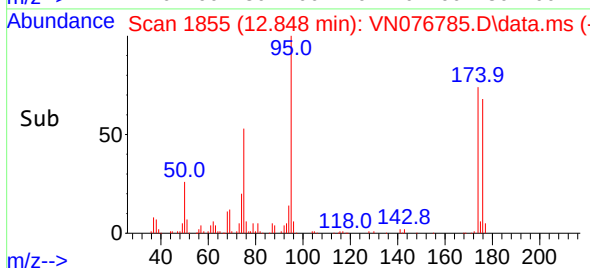
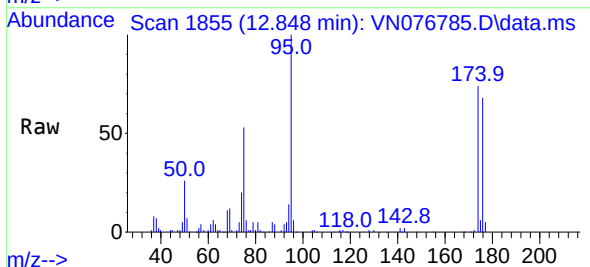
Instrument :
MSVOA_N
ClientSampleId :
VN0223MBL01

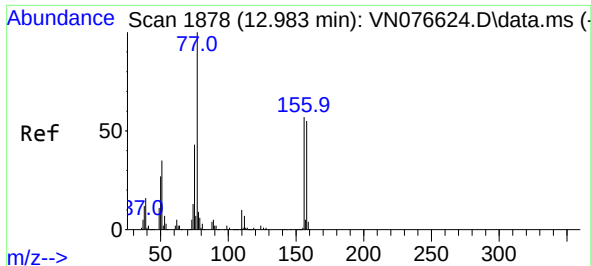
Tgt Ion: 43	Resp:	1420
Ion	Ratio	Lower Upper
43	100	
70	30.1	30.5 45.7#
55	12.8	17.8 26.8#
61	6.3	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 29.146 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 75	Resp:	92750
Ion	Ratio	Lower Upper
75	100	
77	1.6	93.1 279.3#

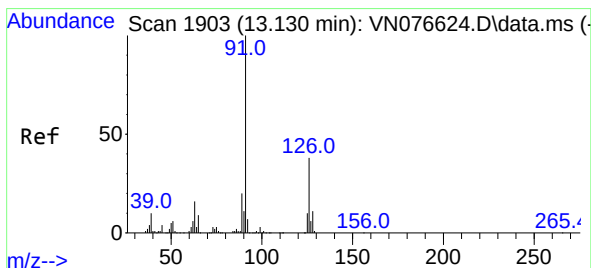
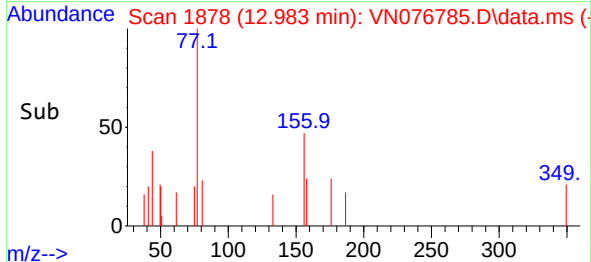
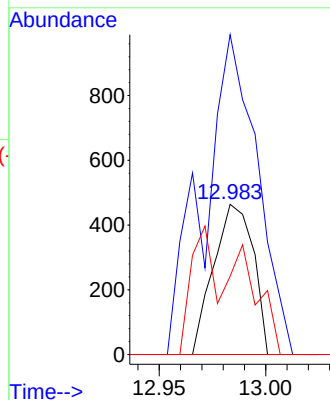
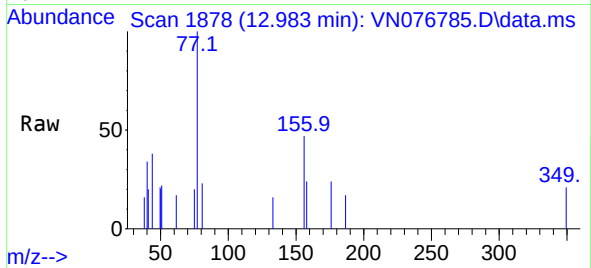




#77
Bromobenzene
Concen: 0.209 ug/l
RT: 12.983 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

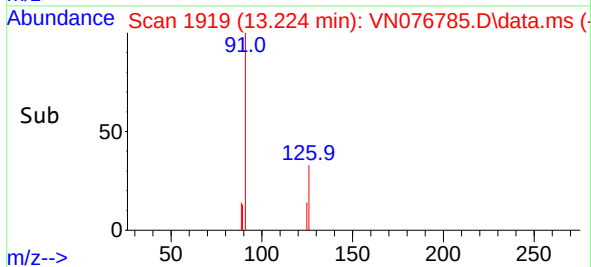
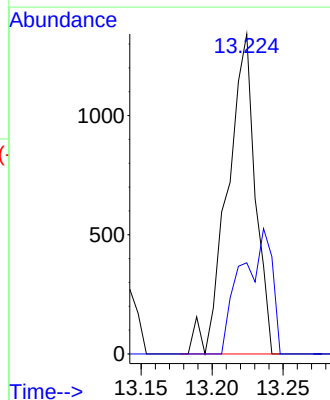
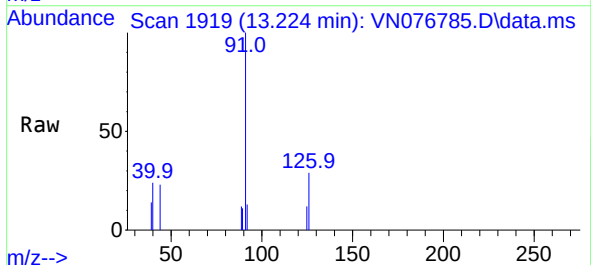
Instrument :
MSVOA_N
ClientSampleId :
VN0223MBL01

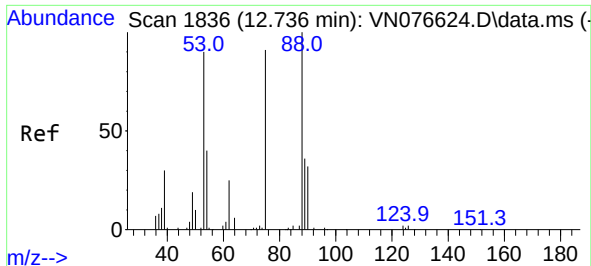
Tgt Ion:156 Resp: 602
Ion Ratio Lower Upper
156 100
77 287.2 102.8 308.4
158 64.8 48.9 146.6



#79
2-Chlorotoluene
Concen: 0.220 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.094 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 91 Resp: 1825
Ion Ratio Lower Upper
91 100
126 43.0 17.7 53.1

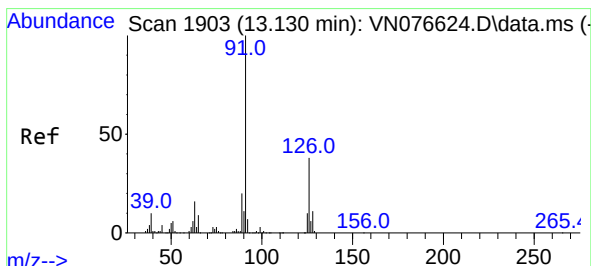
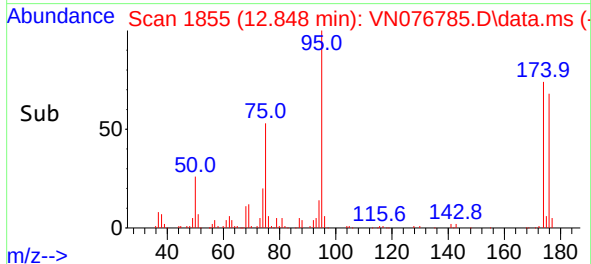
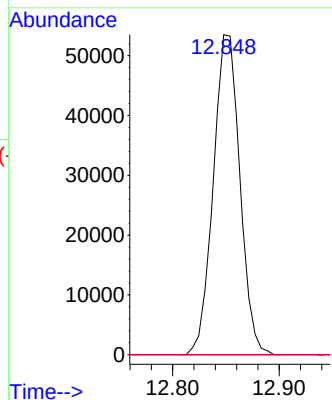
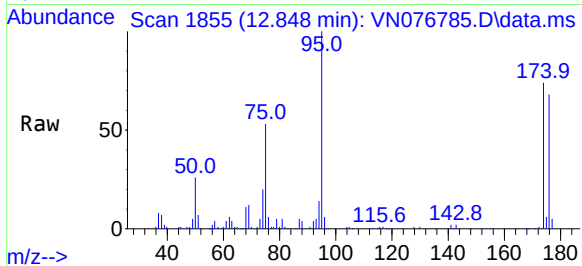




#81
trans-1,4-Dichloro-2-butene
Concen: 84.889 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

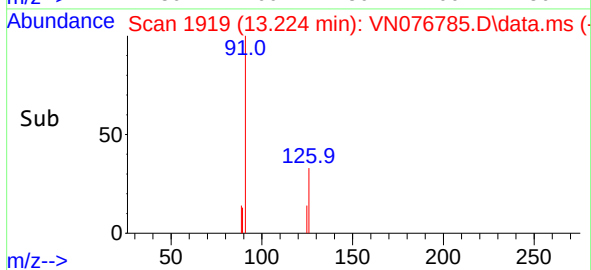
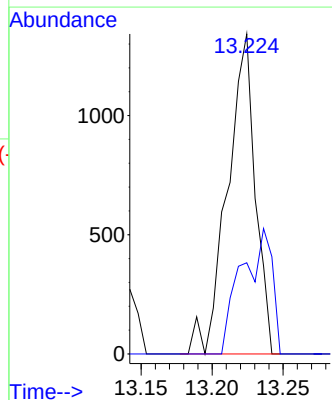
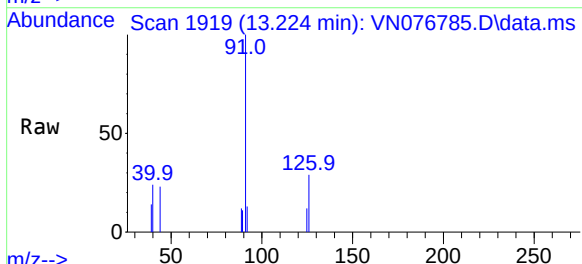
Instrument :
MSVOA_N
ClientSampleId :
VN0223MBL01

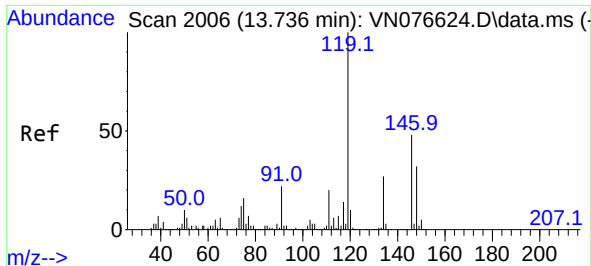
Tgt Ion: 75 Resp: 92750
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.0 37.5 56.3#



#82
4-Chlorotoluene
Concen: 0.220 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.094 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion: 91 Resp: 1825
Ion Ratio Lower Upper
91 100
126 43.0 17.7 53.1





#87

1,3-Dichlorobenzene

Concen: 0.374 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN076785.D

Acq: 23 Feb 2023 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0223MBL01

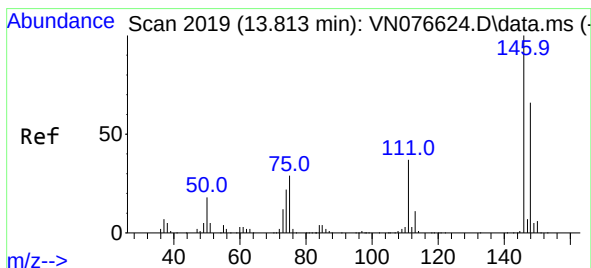
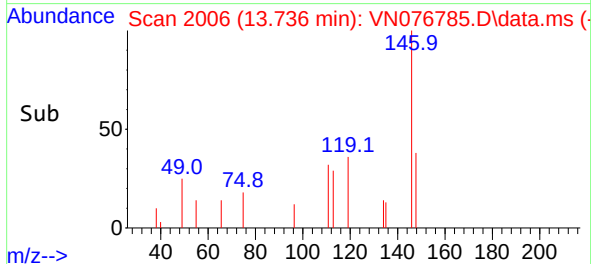
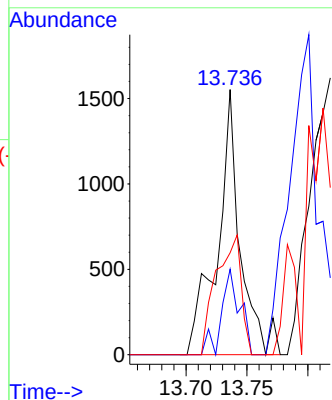
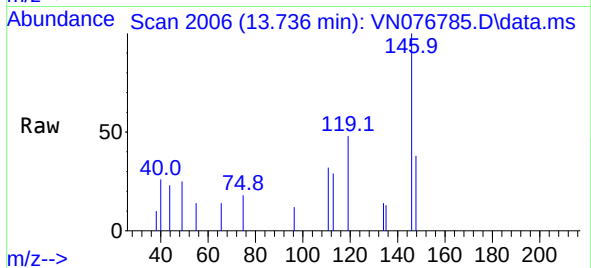
Tgt Ion:146 Resp: 2033

Ion Ratio Lower Upper

146 100

111 26.1 19.8 59.4

148 49.1 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 0.375 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. -0.077 min

Lab File: VN076785.D

Acq: 23 Feb 2023 11:34

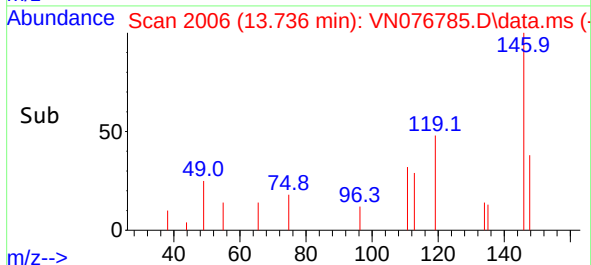
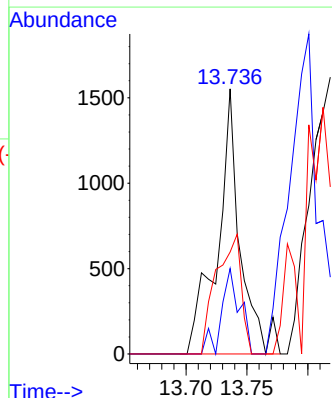
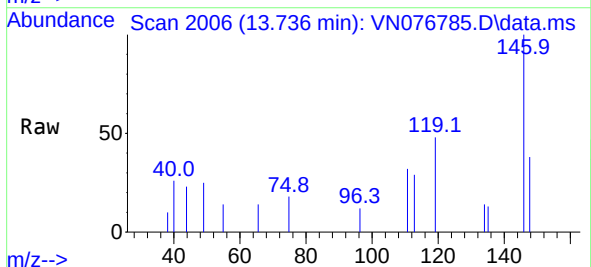
Tgt Ion:146 Resp: 2033

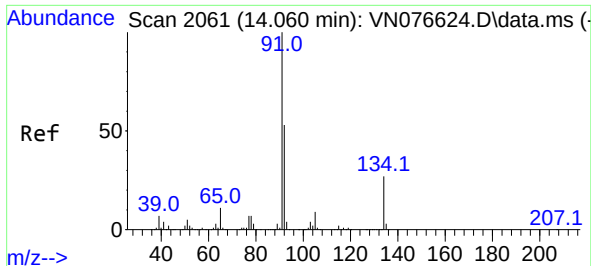
Ion Ratio Lower Upper

146 100

111 26.1 19.4 58.1

148 49.1 32.7 98.1

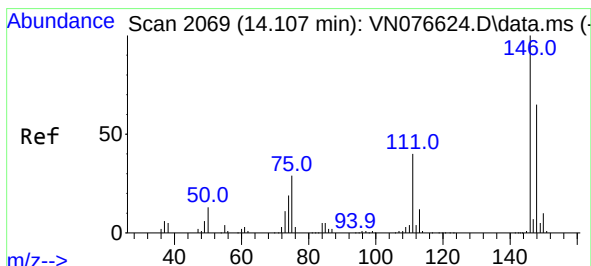
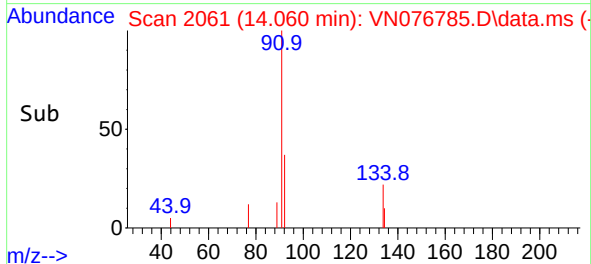
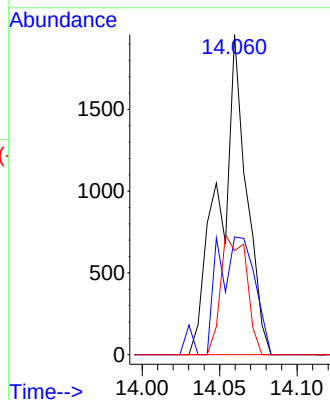
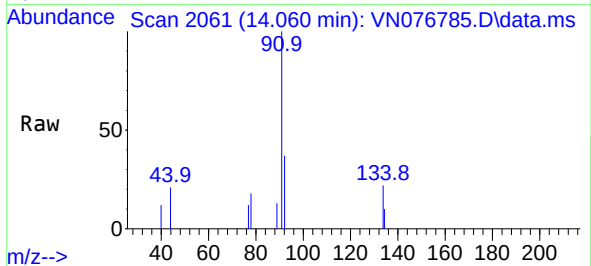




#89
n-Butylbenzene
Concen: 0.283 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

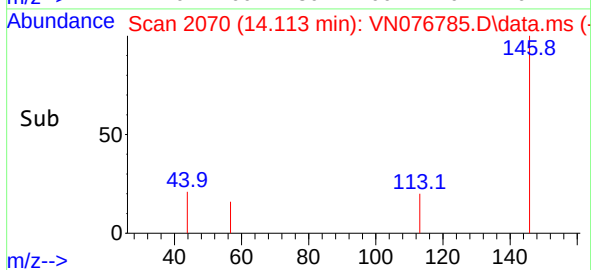
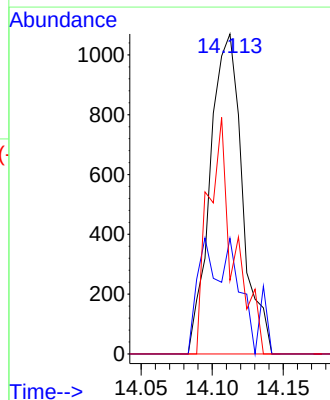
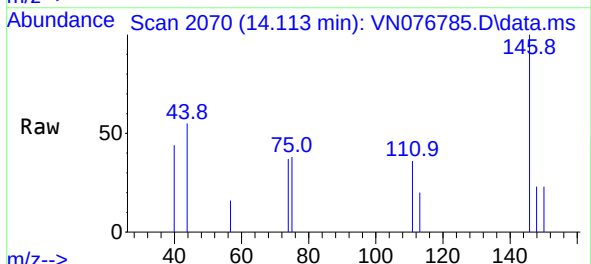
Instrument :
MSVOA_N
ClientSampleId :
VN0223MBL01

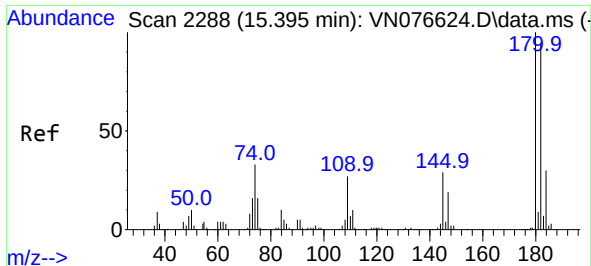
Tgt Ion: 91	Resp:	2365	
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.4	79.0
134	35.6	13.2	39.5



#91
1,2-Dichlorobenzene
Concen: 0.302 ug/l
RT: 14.113 min Scan# 2070
Delta R.T. 0.006 min
Lab File: VN076785.D
Acq: 23 Feb 2023 11:34

Tgt Ion:146	Resp:	1687	
Ion	Ratio	Lower	Upper
146	100		
111	23.7	20.0	59.9
148	59.5	32.4	97.2





#93

1,2,4-Trichlorobenzene

Concen: 0.969 ug/l

RT: 15.395 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076785.D

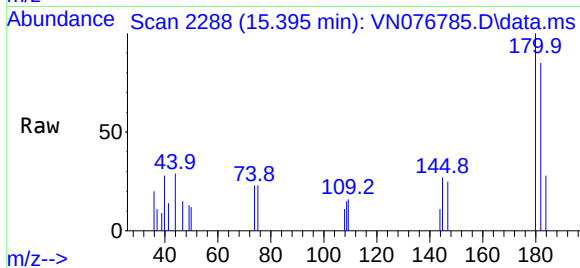
Acq: 23 Feb 2023 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0223MBL01



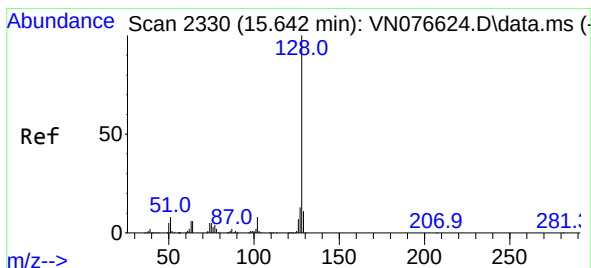
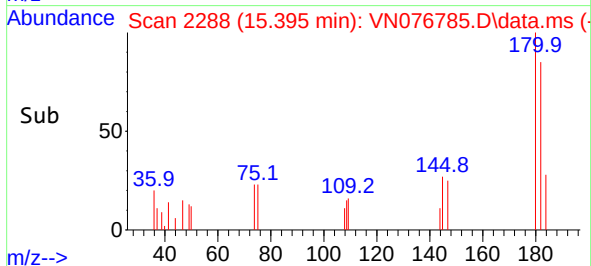
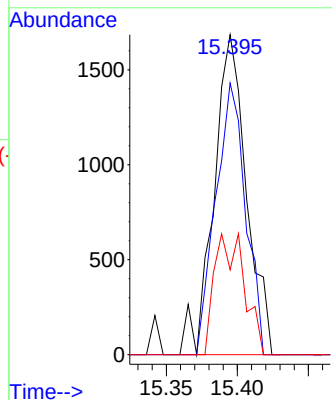
Tgt Ion:180 Resp: 2697

Ion Ratio Lower Upper

180 100

182 77.6 48.0 144.0

145 34.4 15.2 45.6



#95

Naphthalene

Concen: 1.408 ug/l

RT: 15.642 min Scan# 2330

Delta R.T. -0.000 min

Lab File: VN076785.D

Acq: 23 Feb 2023 11:34

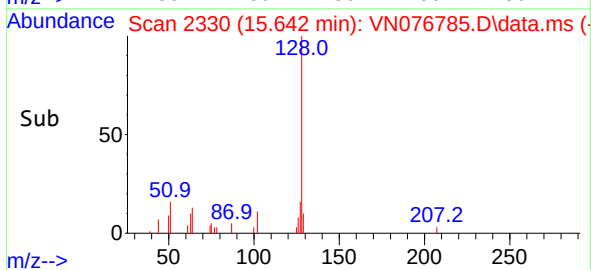
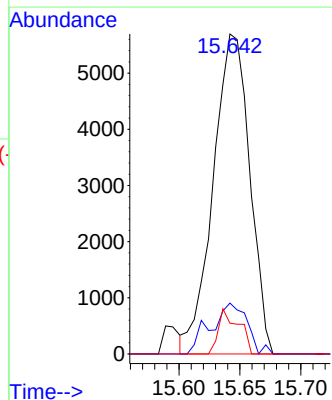
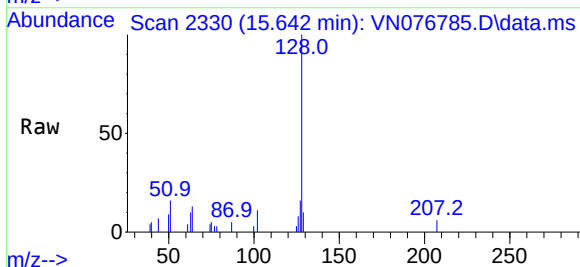
Tgt Ion:128 Resp: 11889

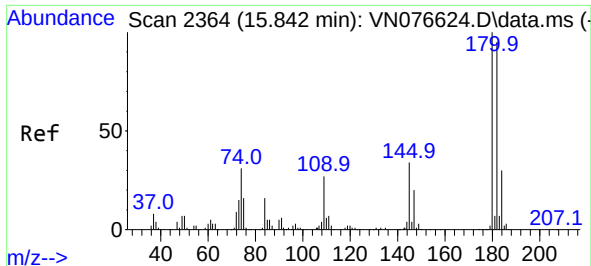
Ion Ratio Lower Upper

128 100

127 15.9 10.6 16.0

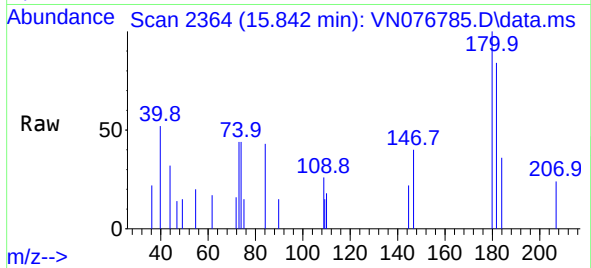
129 7.8 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.043 ug/l
 RT: 15.842 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076785.D
 Acq: 23 Feb 2023 11:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223MBL01



Tgt Ion:180 Resp: 2813
 Ion Ratio Lower Upper
 180 100
 182 39.7 46.7 140.1#
 145 19.9 16.0 47.9

