

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071049.D
 Acq On : 24 Feb 2022 12:20
 Operator : JC\MD
 Sample : VN0224MBL01
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224MBL01

Quant Time: Feb 25 02:41:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

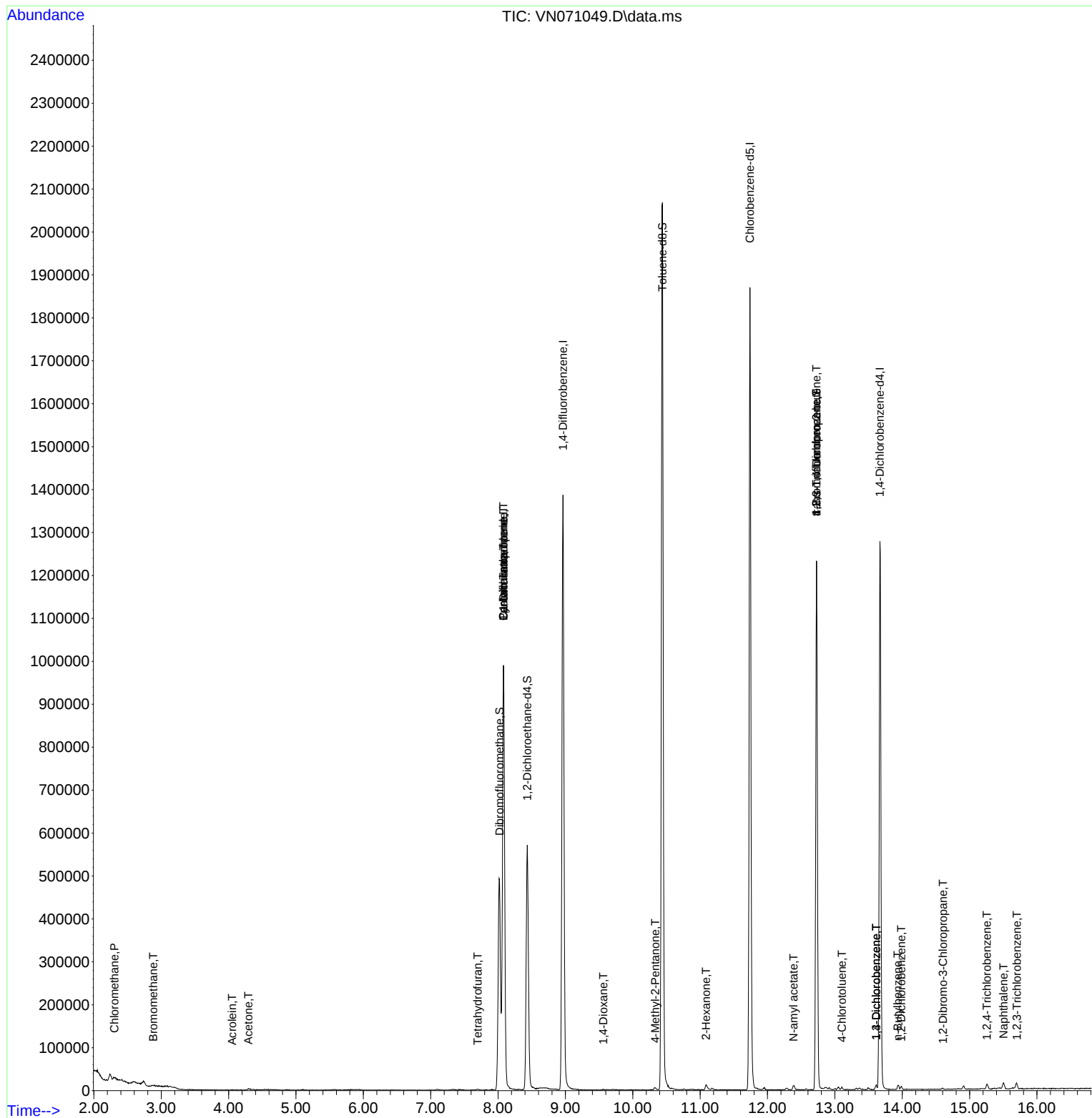
Internal Standards						
1) Pentafluorobenzene	8.081	168	774151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1235062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1087795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	367168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	474775	53.688	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.380%			
35) Dibromofluoromethane	8.022	113	370662	50.457	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.920%			
50) Toluene-d8	10.440	98	1481061	50.203	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.400%			
62) 4-Bromofluorobenzene	12.728	95	432188	40.985	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 81.960%			
Target Compounds						Qvalue
3) Chloromethane	2.305	50	2078	0.206	ug/l #	80
5) Bromomethane	2.881	94	1733	0.302	ug/l	90
13) Acrolein	4.052	56	727	0.505	ug/l #	49
16) Acetone	4.293	43	4888	1.004	ug/l #	76
18) Methyl Acetate	4.863	43	2016	Below Cal	#	58
29) Tetrahydrofuran	7.699	42	1636	0.390	ug/l #	78
31) Cyclohexane	8.081	56	15286	0.999	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	59249	4.923	ug/l #	49
38) Carbon Tetrachloride	8.081	117	73418	6.191	ug/l #	16
49) 1,4-Dioxane	9.563	88	273	1.596	ug/l #	20
51) 4-Methyl-2-Pentanone	10.334	43	5272	0.426	ug/l	96
59) 2-Hexanone	11.087	43	11748	1.380	ug/l	97
74) N-amyl acetate	12.387	43	7209	0.763	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	221167	25.583	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	221167	82.901	ug/l #	5
82) 4-Chlorotoluene	13.104	91	3932	0.201	ug/l	89
87) 1,3-Dichlorobenzene	13.616	146	2979	0.233	ug/l	86
88) 1,4-Dichlorobenzene	13.616	146	2979	0.237	ug/l	86
89) n-Butylbenzene	13.933	91	7088	0.354	ug/l	94
91) 1,2-Dichlorobenzene	13.986	146	3104	0.258	ug/l	84
92) 1,2-Dibromo-3-Chloropr...	14.604	75	797	0.524	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.257	180	5496	2.779	ug/l	84
95) Naphthalene	15.504	128	14384	5.778	ug/l	97
96) 1,2,3-Trichlorobenzene	15.704	180	5373	3.335	ug/l	85

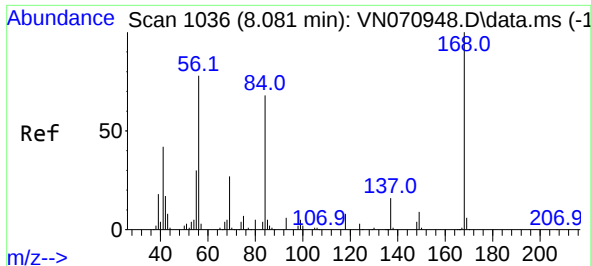
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
Data File : VN071049.D
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Sample : VN0224MBL01
Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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Quant Time: Feb 25 02:41:59 2022
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Quant Title : SW846 8260
QLast Update : Mon Feb 21 07:57:15 2022
Response via : Initial Calibration

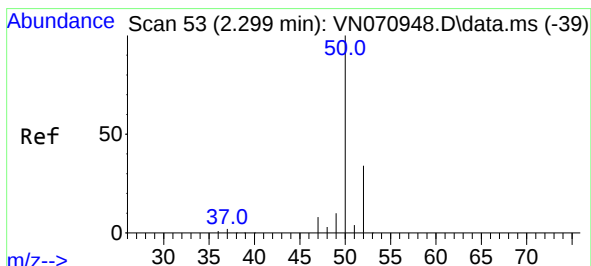
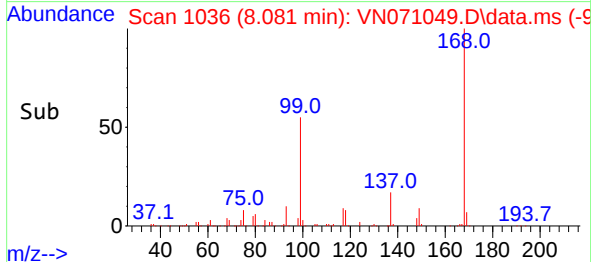
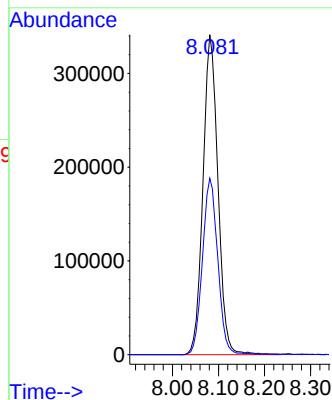
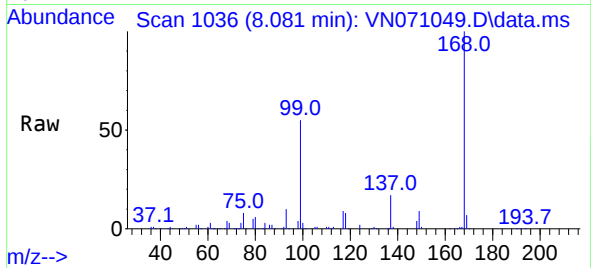




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

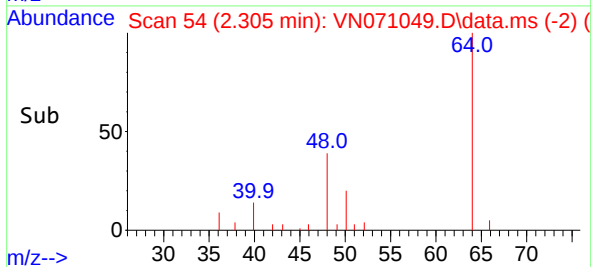
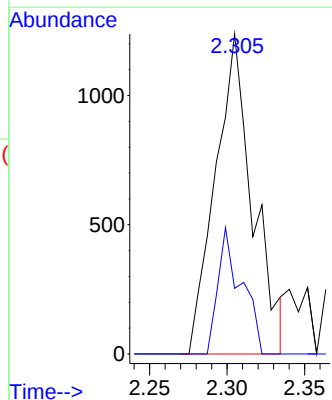
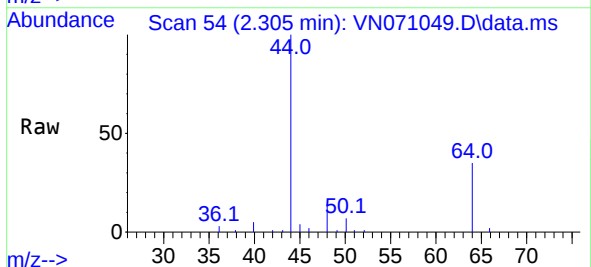
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

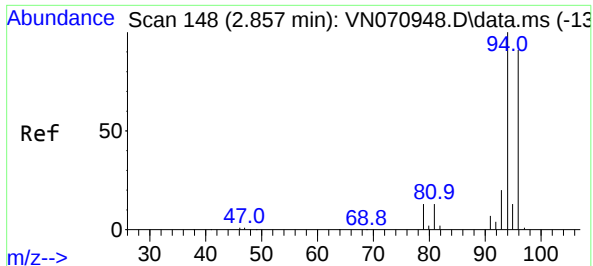
Tgt Ion:168 Resp: 774151
Ion Ratio Lower Upper
168 100
99 55.1 41.3 61.9



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion: 50 Resp: 2078
Ion Ratio Lower Upper
50 100
52 20.5 25.4 38.0#

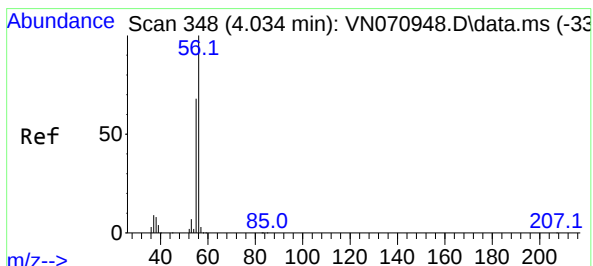
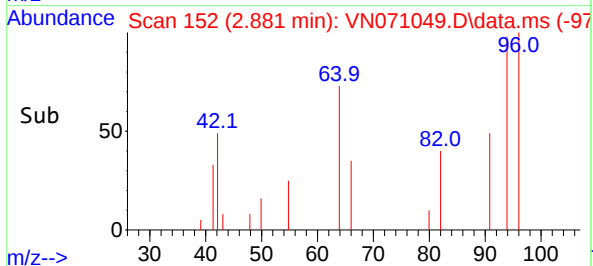
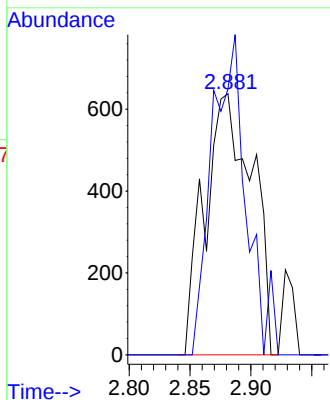
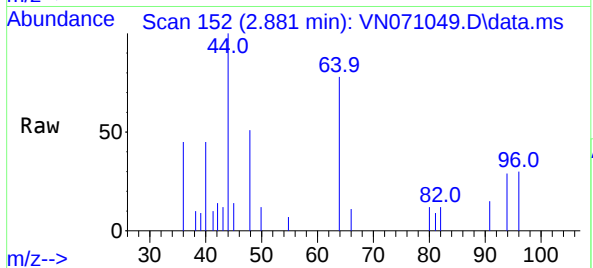




#5
Bromomethane
Concen: 0.302 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

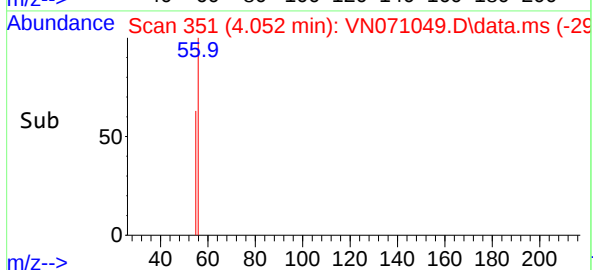
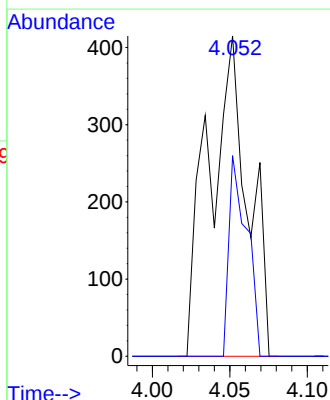
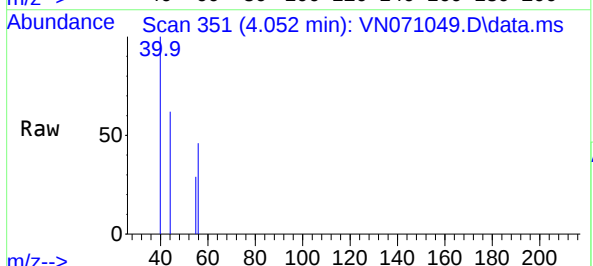
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

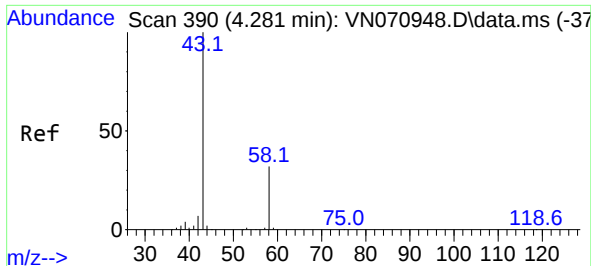
Tgt Ion: 94 Resp: 1733
Ion Ratio Lower Upper
94 100
96 101.7 73.8 110.8



#13
Acrolein
Concen: 0.505 ug/l
RT: 4.052 min Scan# 351
Delta R.T. 0.018 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion: 56 Resp: 727
Ion Ratio Lower Upper
56 100
55 28.7 56.6 85.0#

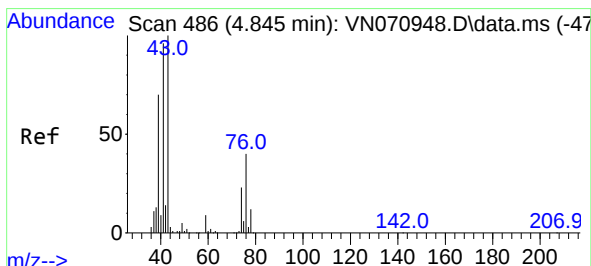
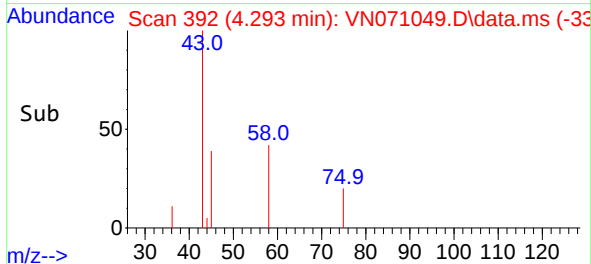
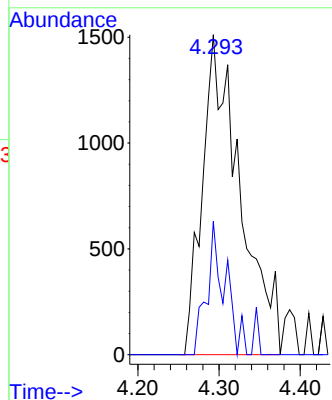
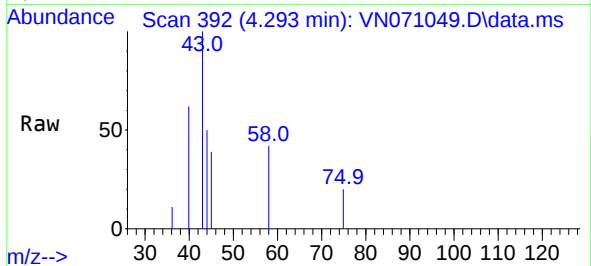




#16
Acetone
Concen: 1.004 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

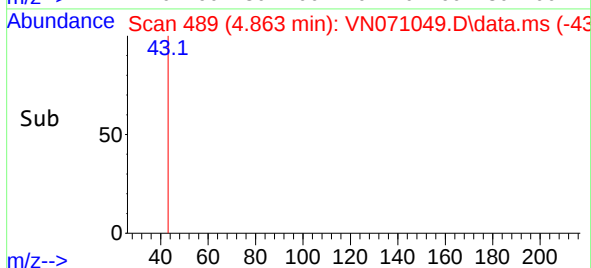
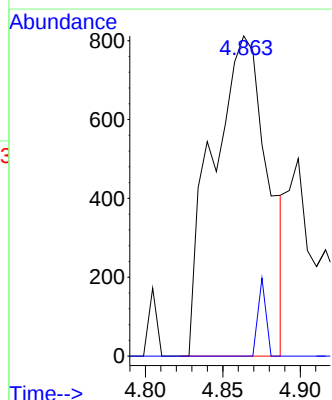
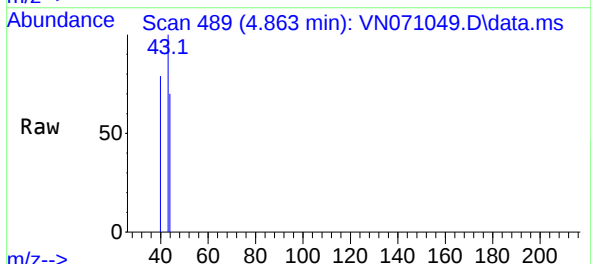
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

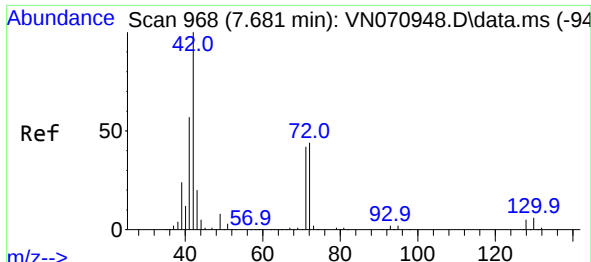
Tgt Ion: 43 Resp: 4888
Ion Ratio Lower Upper
43 100
58 41.7 23.1 34.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.018 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion: 43 Resp: 2016
Ion Ratio Lower Upper
43 100
74 3.5 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.390 ug/l

RT: 7.699 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN071049.D

Acq: 24 Feb 2022 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0224MBL01

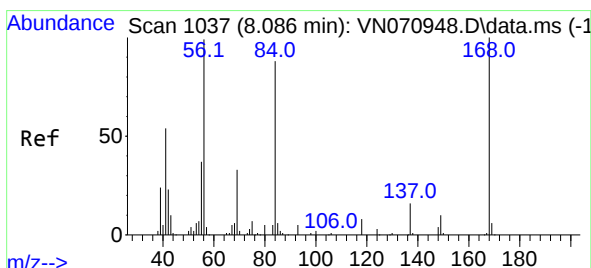
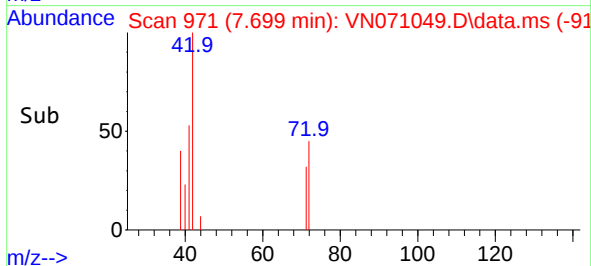
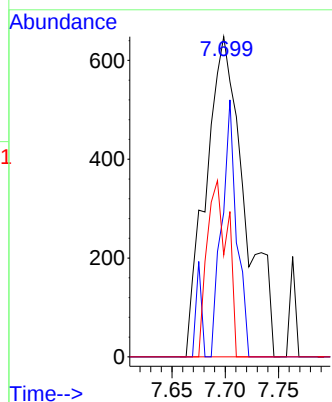
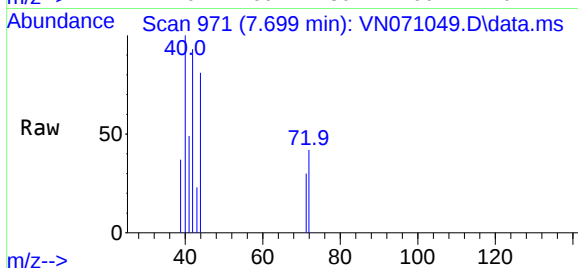
Tgt Ion: 42 Resp: 1636

Ion Ratio Lower Upper

42 100

72 30.8 36.3 54.5#

71 29.4 34.7 52.1#



#31

Cyclohexane

Concen: 0.999 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071049.D

Acq: 24 Feb 2022 12:20

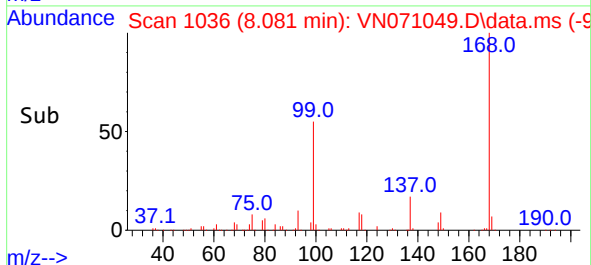
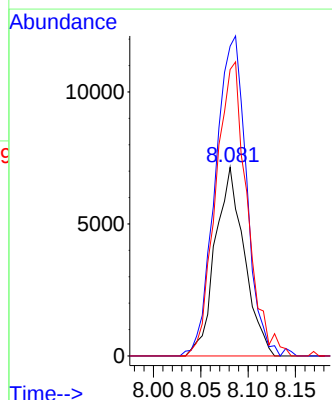
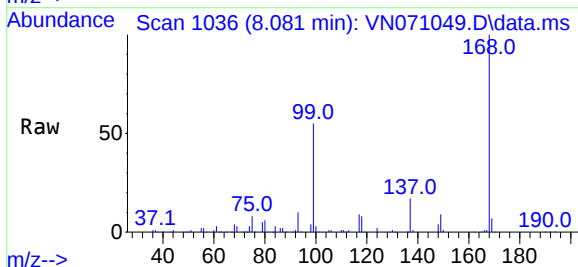
Tgt Ion: 56 Resp: 15286

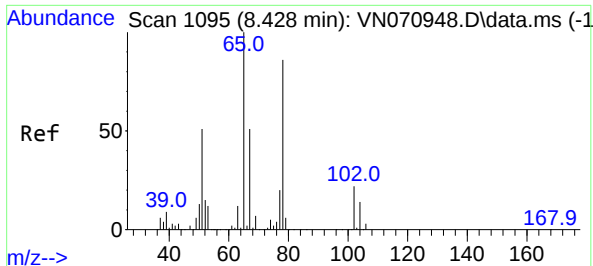
Ion Ratio Lower Upper

56 100

69 164.2 27.1 40.7#

84 151.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 53.688 ug/l

RT: 8.434 min Scan# 1095

Delta R.T. 0.006 min

Lab File: VN071049.D

Acq: 24 Feb 2022 12:20

Instrument :

MSVOA_N

ClientSampleId :

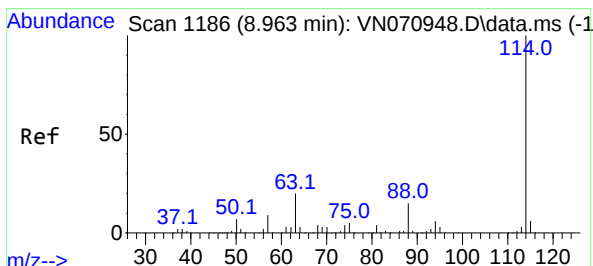
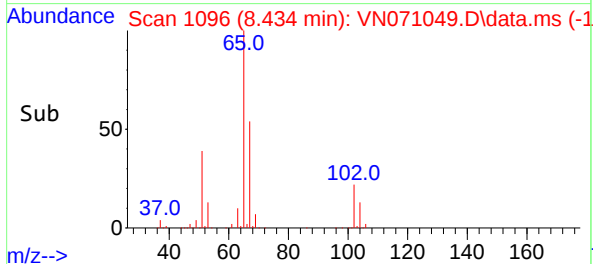
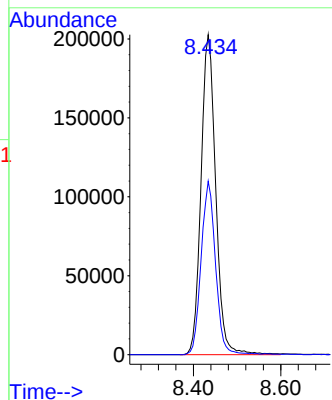
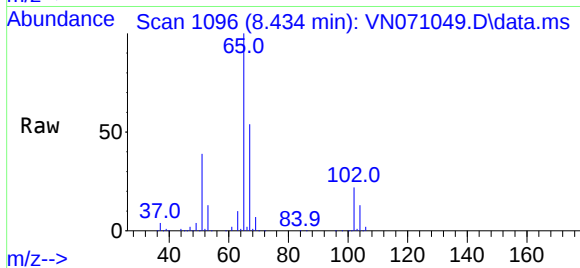
VN0224MBL01

Tgt Ion: 65 Resp: 474775

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071049.D

Acq: 24 Feb 2022 12:20

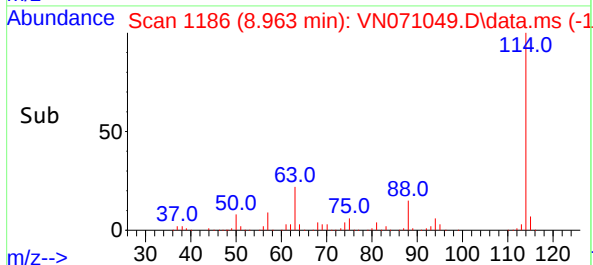
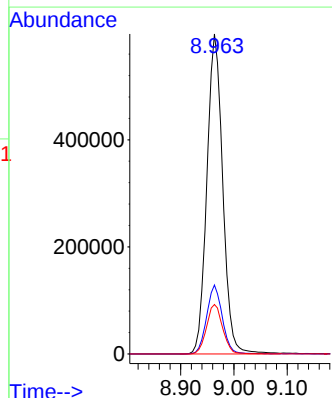
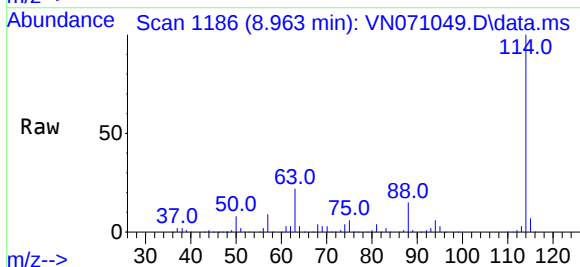
Tgt Ion: 114 Resp: 1235062

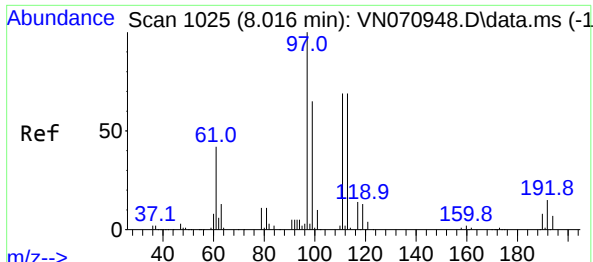
Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

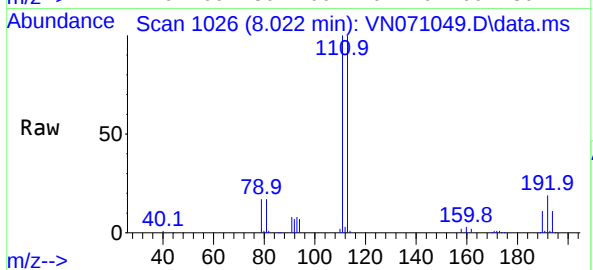
88 15.4 0.0 27.4



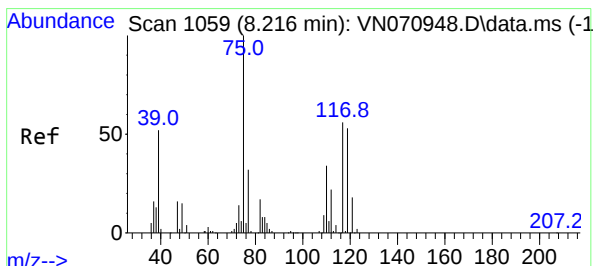
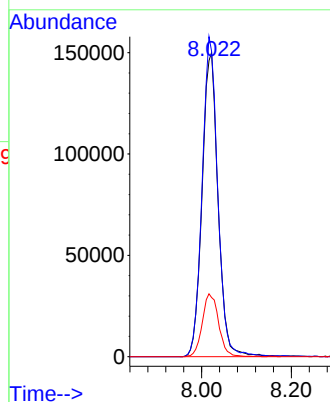
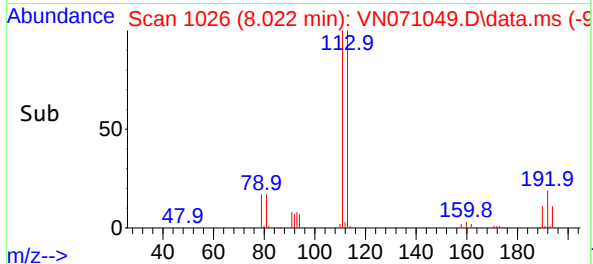


#35
Dibromofluoromethane
Concen: 50.457 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

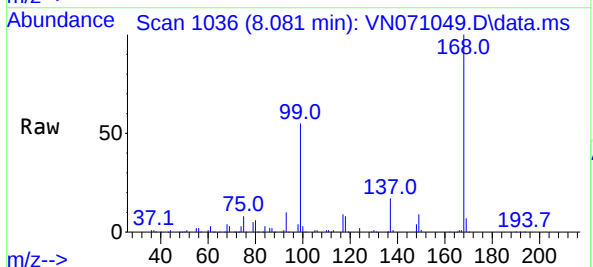
Instrument :
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ClientSampleId :
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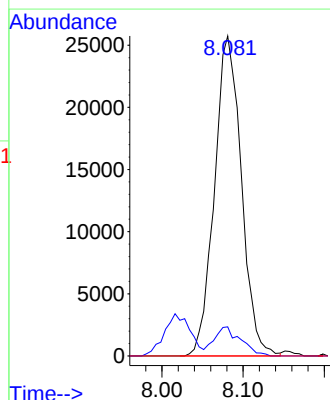
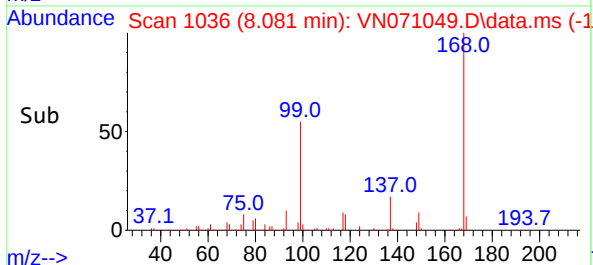
Tgt Ion:113 Resp: 370662
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 21.2 16.9 25.3

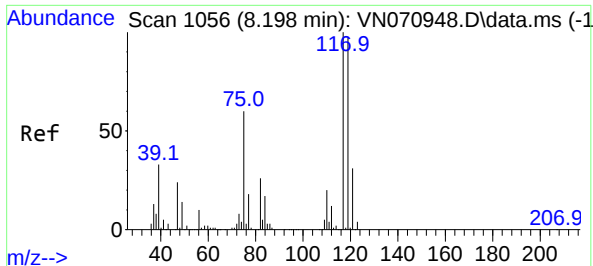


#36
1,1-Dichloropropene
Concen: 4.923 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20



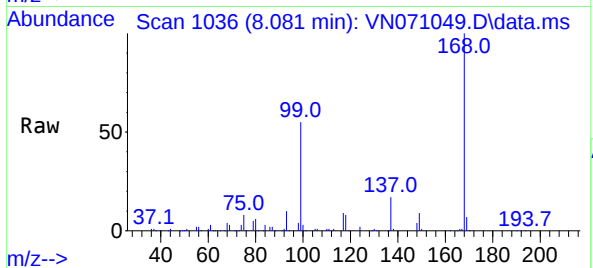
Tgt Ion: 75 Resp: 59249
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#



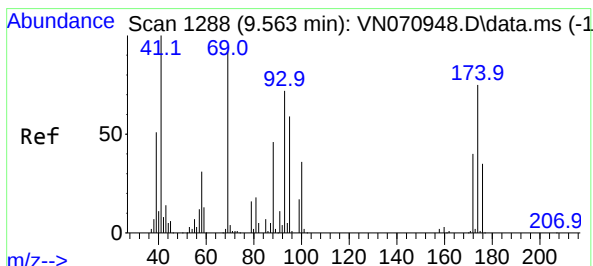
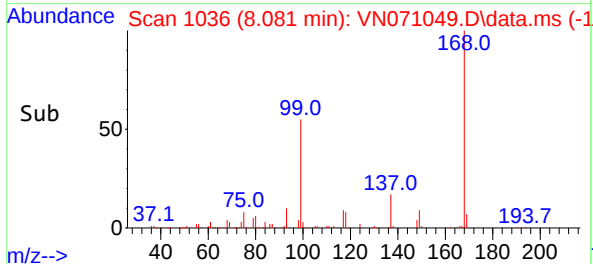
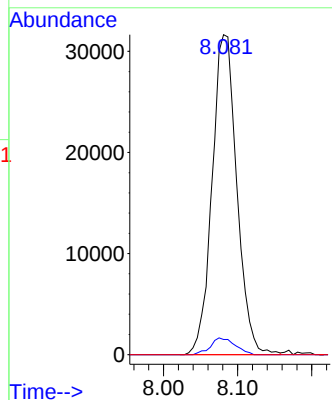


#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.117 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

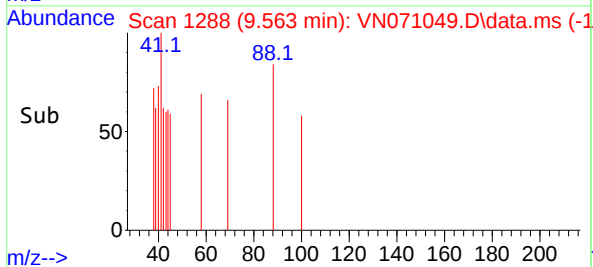
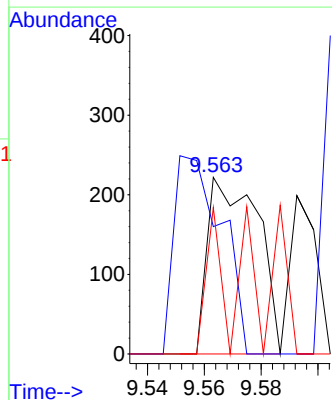
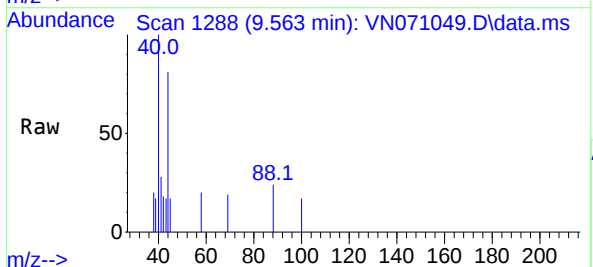


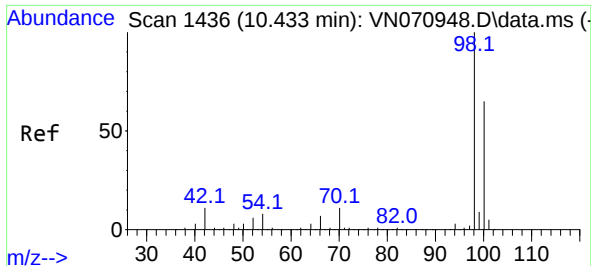
Tgt Ion:117 Resp: 73418
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 1.596 ug/l
RT: 9.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion: 88 Resp: 273
Ion Ratio Lower Upper
88 100
43 105.9 23.4 35.2#
58 23.8 50.6 75.8#

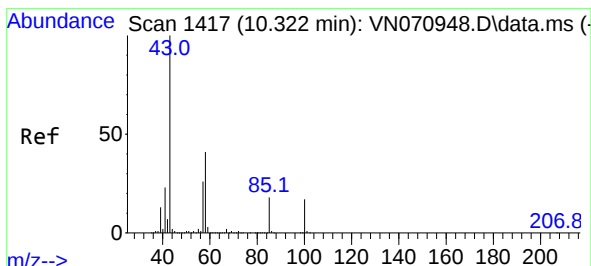
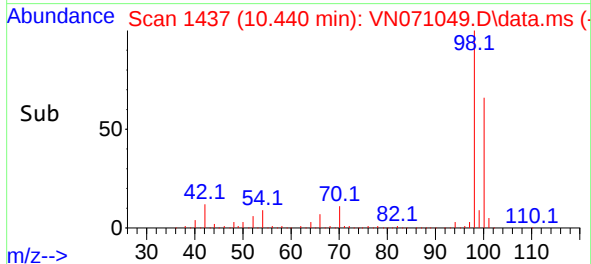
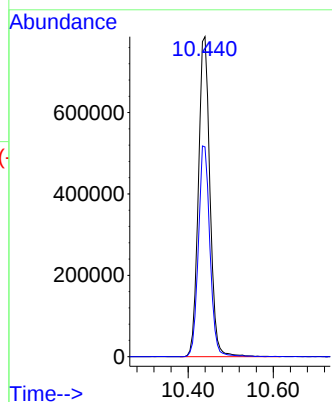
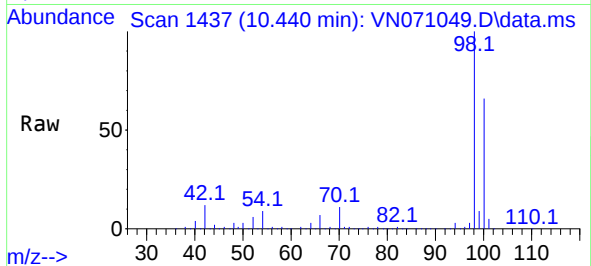




#50
Toluene-d8
Concen: 50.203 ug/l
RT: 10.440 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

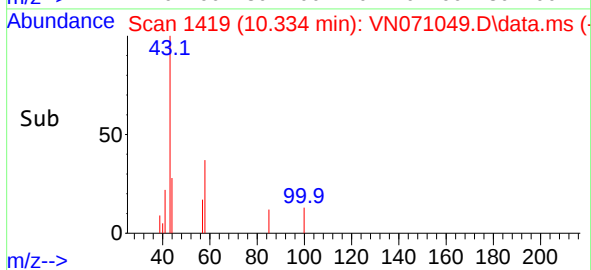
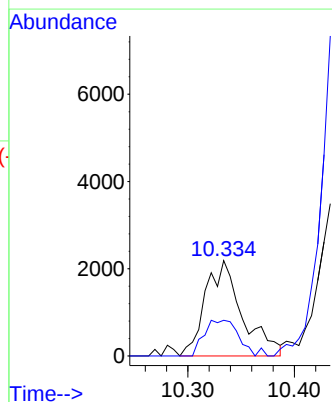
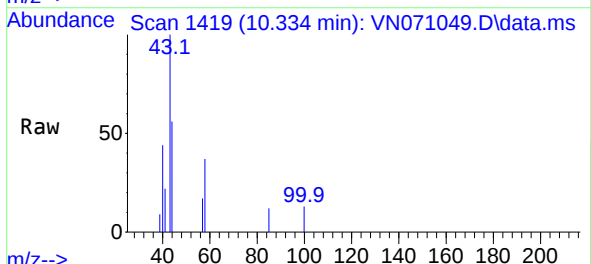
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

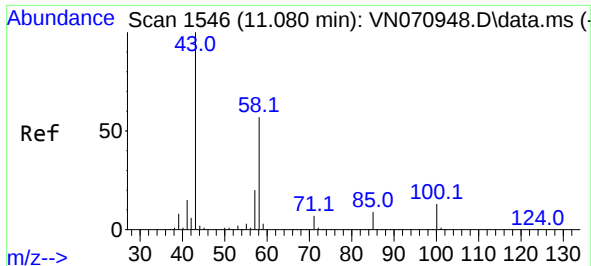
Tgt Ion: 98 Resp: 1481061
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.426 ug/l
RT: 10.334 min Scan# 1419
Delta R.T. 0.012 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion: 43 Resp: 5272
Ion Ratio Lower Upper
43 100
58 35.3 30.4 45.6

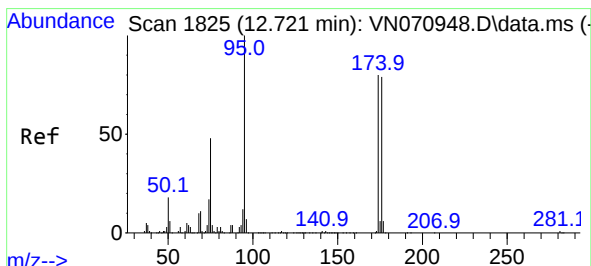
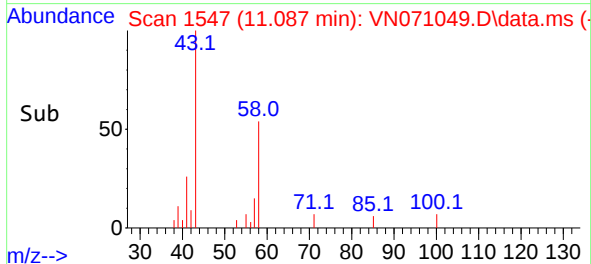
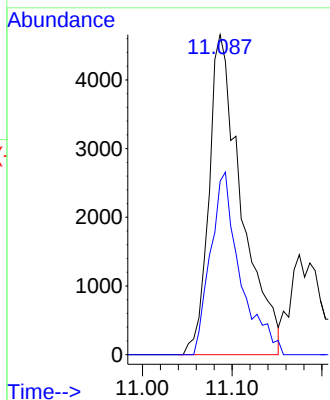
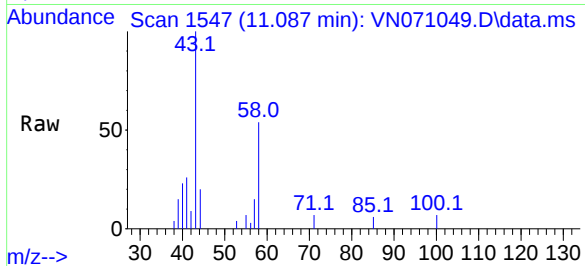




#59
2-Hexanone
Concen: 1.380 ug/l
RT: 11.087 min Scan# 11748
Delta R.T. 0.007 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

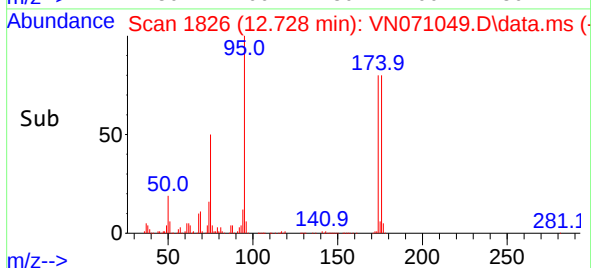
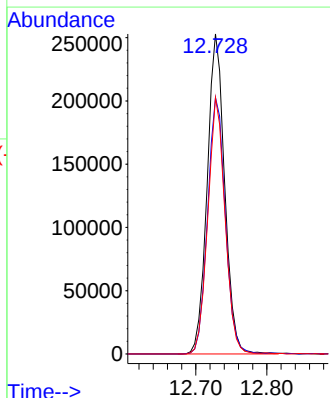
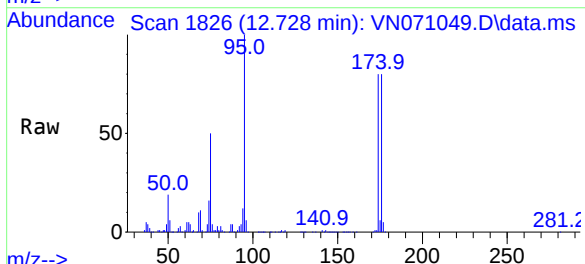
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

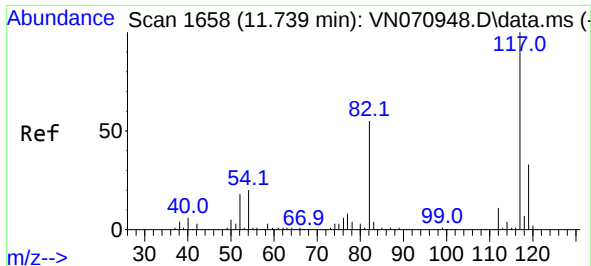
Tgt Ion: 43 Resp: 11748
Ion Ratio Lower Upper
43 100
58 51.7 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 40.985 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion: 95 Resp: 432188
Ion Ratio Lower Upper
95 100
174 81.3 0.0 187.2
176 78.6 0.0 181.4

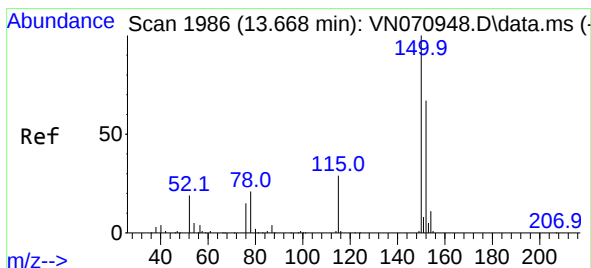
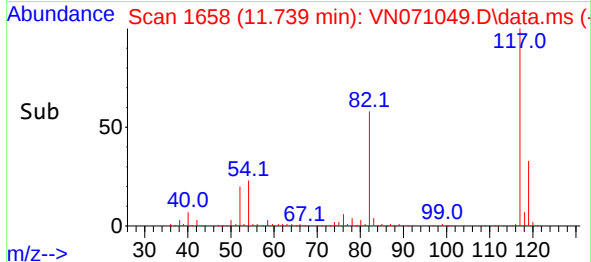
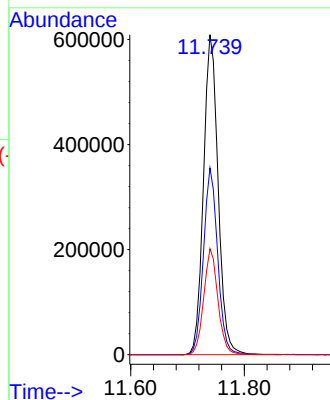
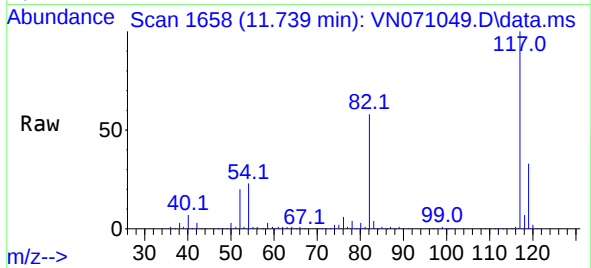




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

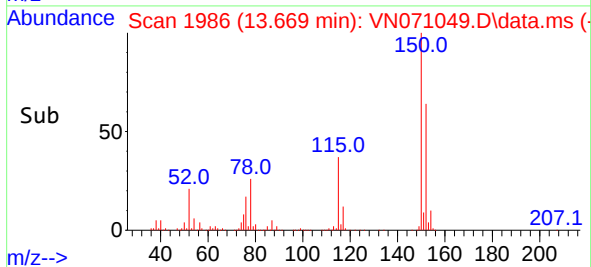
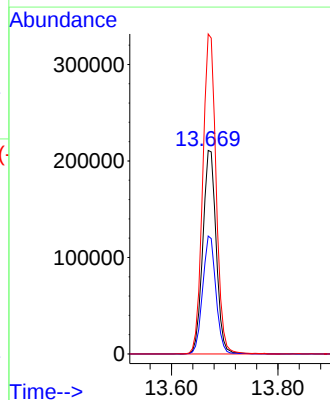
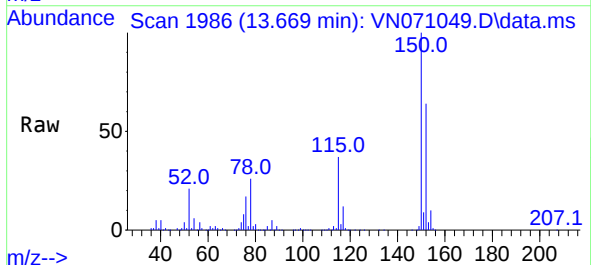
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

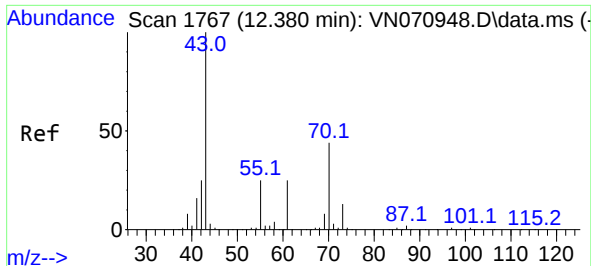
Tgt Ion:117 Resp: 1087795
Ion Ratio Lower Upper
117 100
82 58.3 42.4 63.6
119 33.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion:152 Resp: 367168
Ion Ratio Lower Upper
152 100
115 57.6 27.5 82.5
150 157.6 0.0 344.4

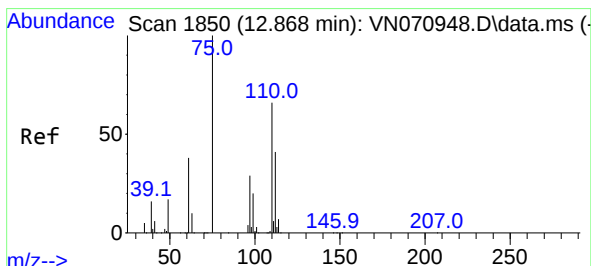
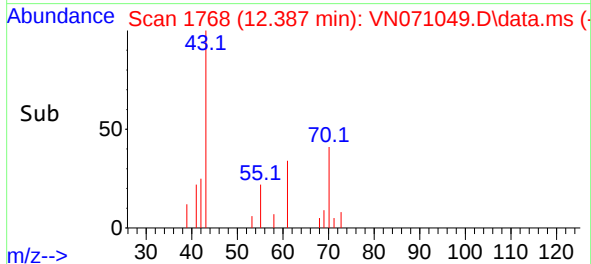
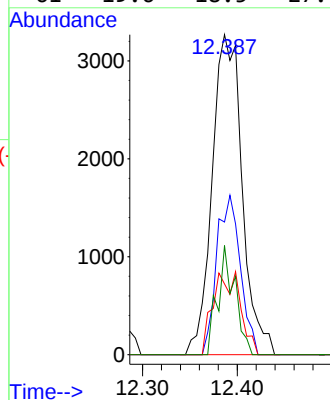
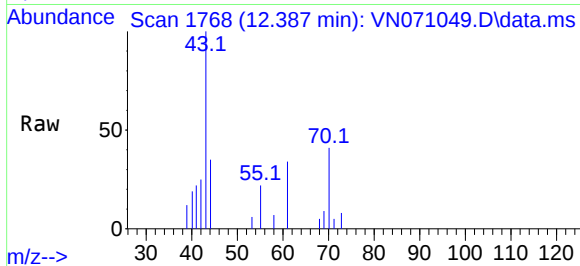




#74
N-amy1 acetate
Concen: 0.763 ug/l
RT: 12.387 min Scan# 1767
Delta R.T. 0.006 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

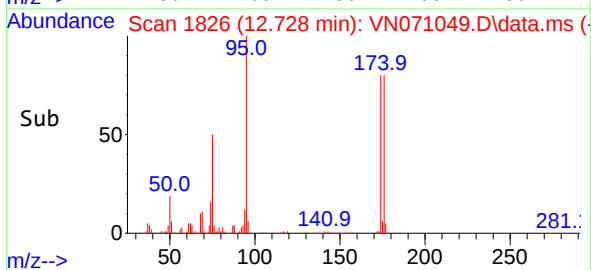
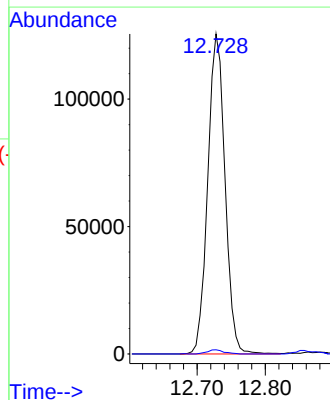
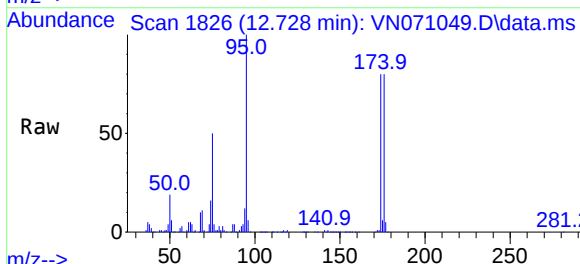
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

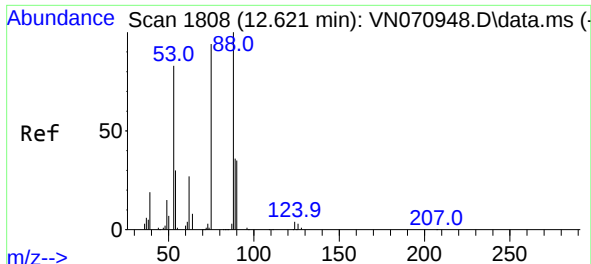
Tgt Ion: 43	Resp:	7209	
Ion	Ratio	Lower	Upper
43	100		
70	39.0	33.4	50.0
55	23.3	19.3	28.9
61	19.6	18.5	27.7



#76
1,2,3-Trichloropropane
Concen: 25.583 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion: 75	Resp: 221167
Ion Ratio	Lower Upper
75 100	
77 1.3	82.6 247.8#

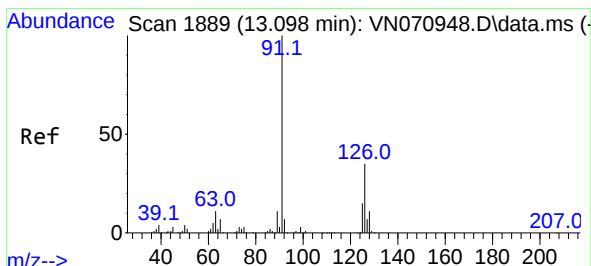
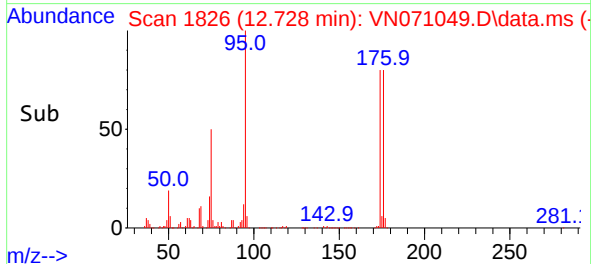
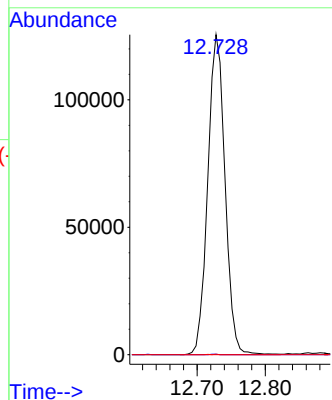
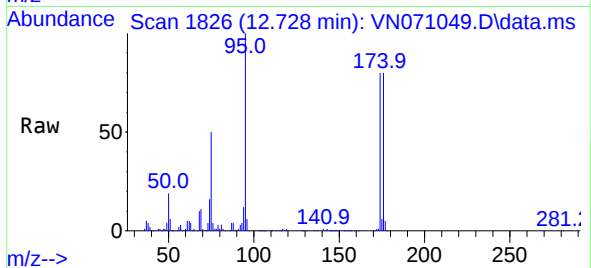




#81
trans-1,4-Dichloro-2-butene
Concen: 82.901 ug/l
RT: 12.728 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

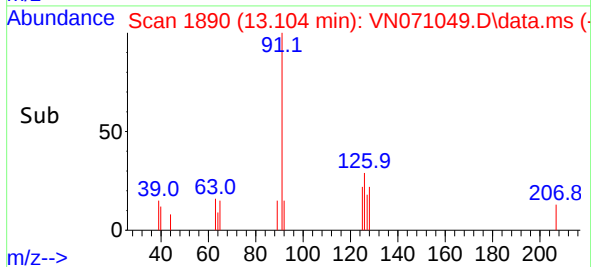
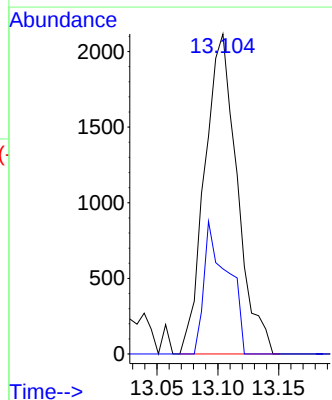
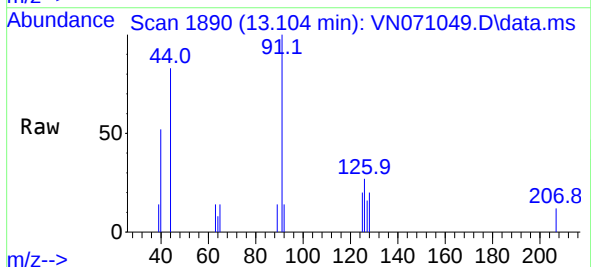
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

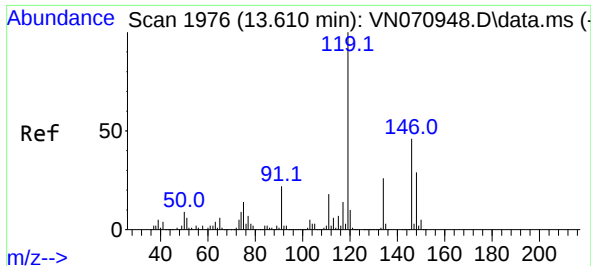
Tgt Ion: 75 Resp: 221167
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#82
4-Chlorotoluene
Concen: 0.201 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion: 91 Resp: 3932
Ion Ratio Lower Upper
91 100
126 30.2 18.2 54.6





#87

1,3-Dichlorobenzene

Concen: 0.233 ug/l

RT: 13.616 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VN071049.D

Acq: 24 Feb 2022 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0224MBL01

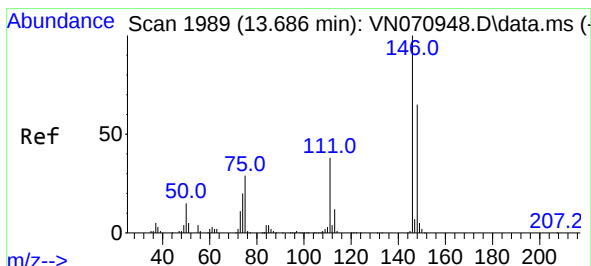
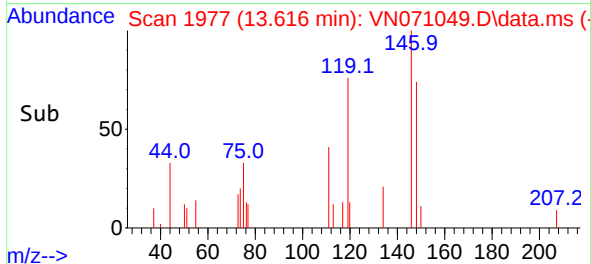
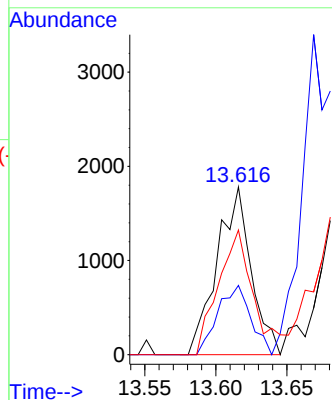
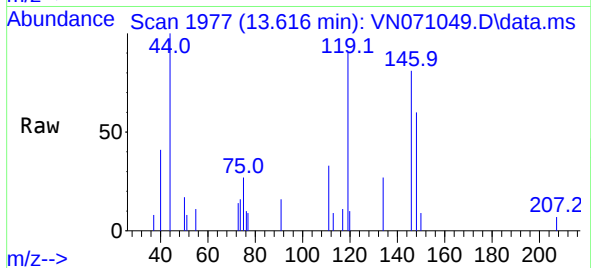
Tgt Ion:146 Resp: 2979

Ion Ratio Lower Upper

146 100

111 39.8 18.6 55.6

148 78.3 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.237 ug/l

RT: 13.616 min Scan# 1977

Delta R.T. -0.070 min

Lab File: VN071049.D

Acq: 24 Feb 2022 12:20

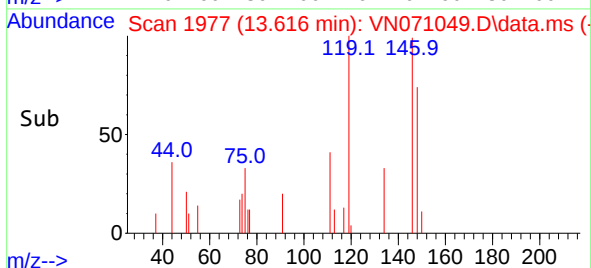
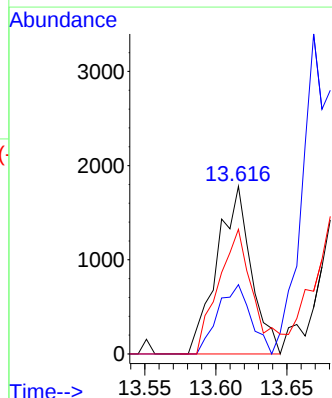
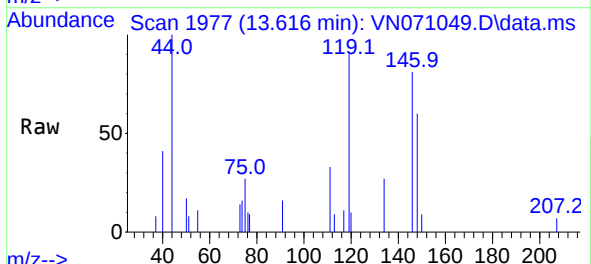
Tgt Ion:146 Resp: 2979

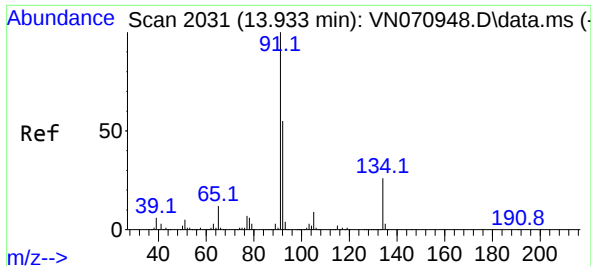
Ion Ratio Lower Upper

146 100

111 39.8 18.3 54.8

148 78.3 31.8 95.4

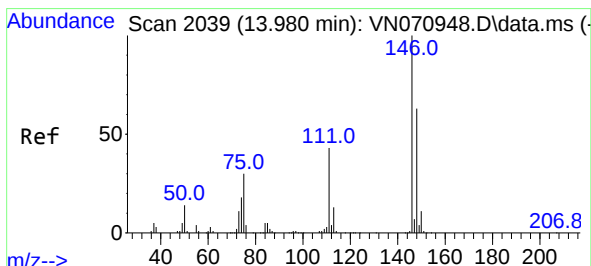
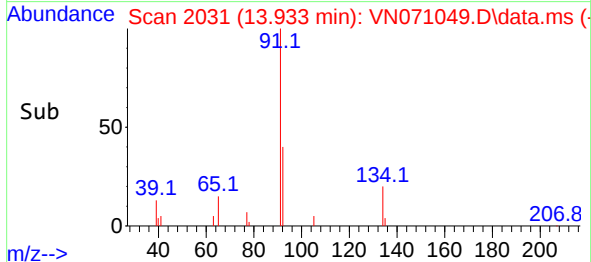
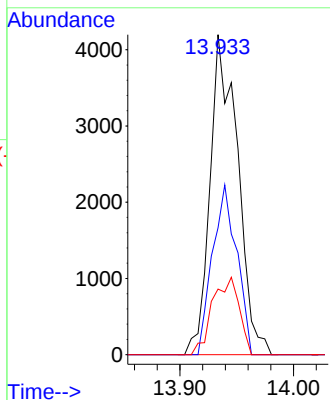
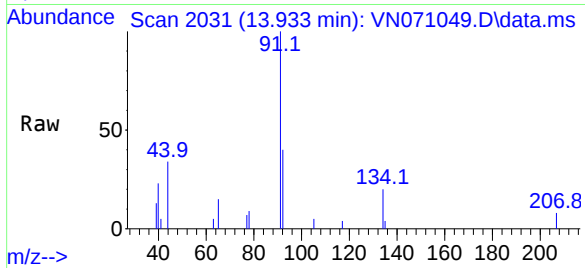




#89
n-Butylbenzene
Concen: 0.354 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

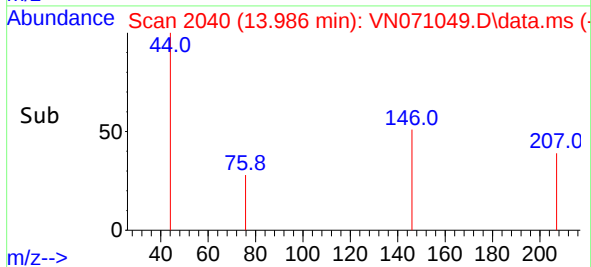
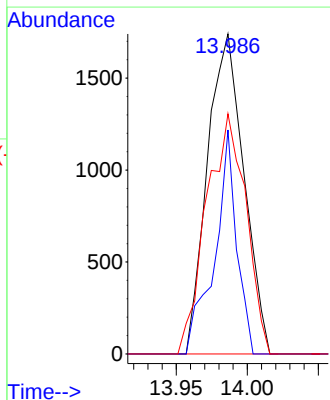
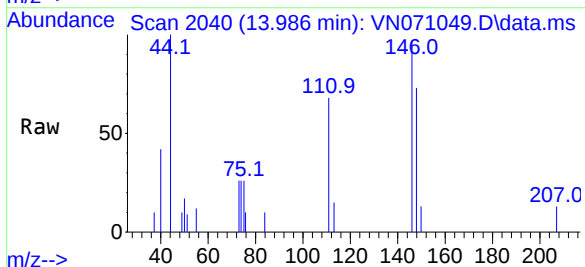
Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

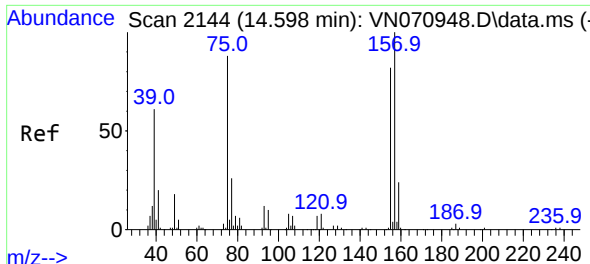
Tgt Ion:	91	Resp:	7088
Ion	Ratio	Lower	Upper
91	100		
92	46.5	25.4	76.0
134	23.4	13.6	40.8



#91
1,2-Dichlorobenzene
Concen: 0.258 ug/l
RT: 13.986 min Scan# 2040
Delta R.T. 0.006 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion:	146	Resp:	3104
Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.1	57.3
148	81.3	32.1	96.3

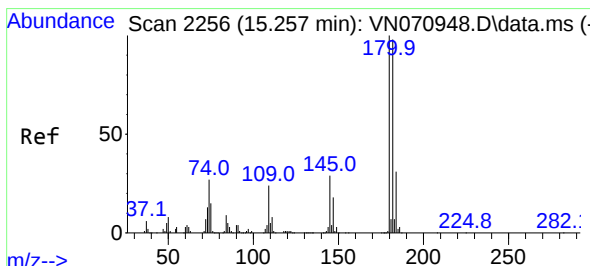
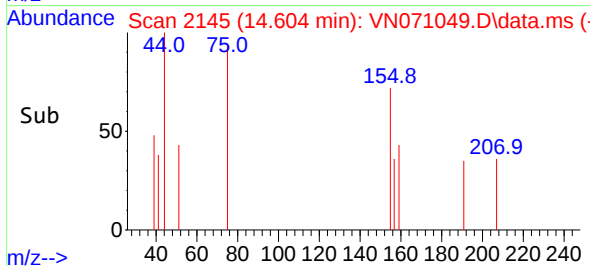
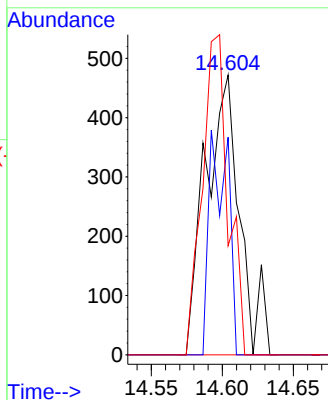
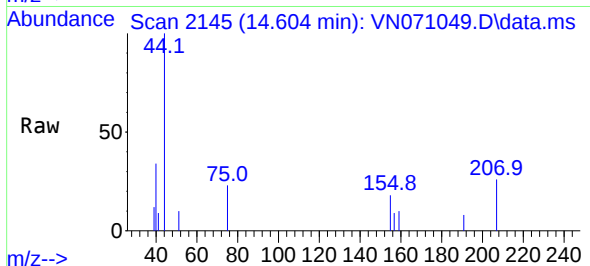




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.524 ug/l
 RT: 14.604 min Scan# 2145
 Delta R.T. 0.006 min
 Lab File: VN071049.D
 Acq: 24 Feb 2022 12:20

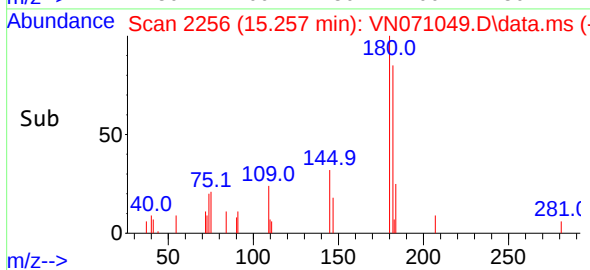
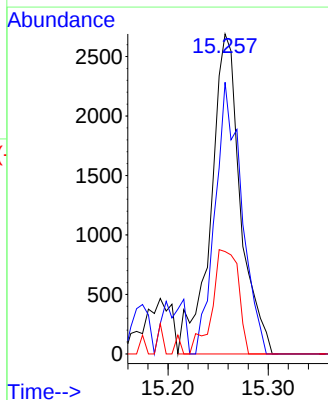
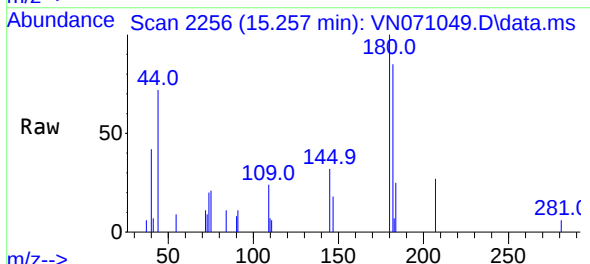
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224MBL01

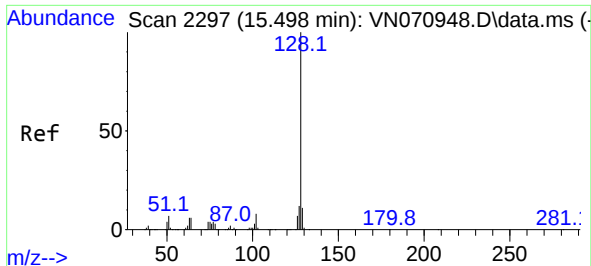
Tgt Ion: 75 Resp: 797
 Ion Ratio Lower Upper
 75 100
 155 43.4 46.9 140.7#
 157 85.8 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 2.779 ug/l
 RT: 15.257 min Scan# 2256
 Delta R.T. -0.000 min
 Lab File: VN071049.D
 Acq: 24 Feb 2022 12:20

Tgt Ion: 180 Resp: 5496
 Ion Ratio Lower Upper
 180 100
 182 76.3 48.3 144.9
 145 28.7 14.5 43.5

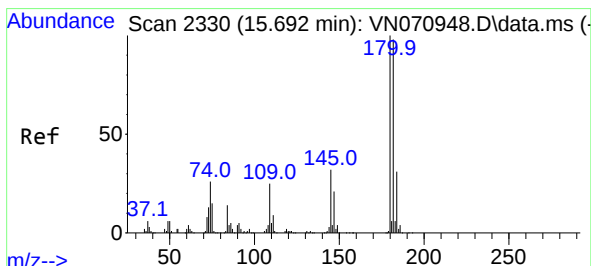
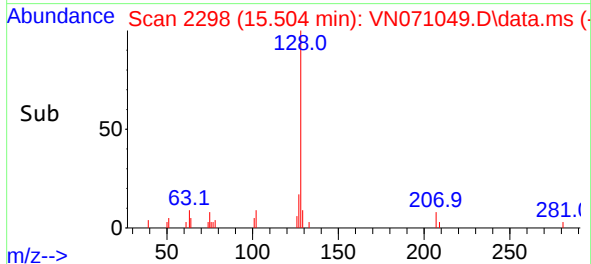
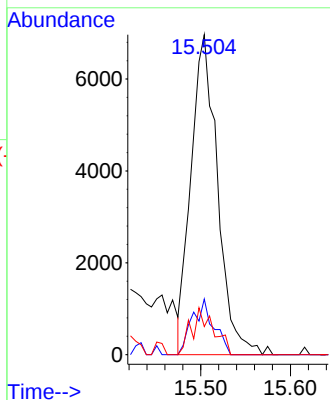
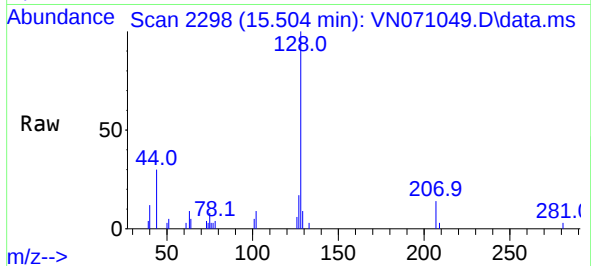




#95
Naphthalene
Concen: 5.778 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0224MBL01

Tgt Ion:	128	Resp:	14384
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.5	15.7
129	12.2	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.335 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN071049.D
Acq: 24 Feb 2022 12:20

Tgt Ion:	180	Resp:	5373
Ion	Ratio	Lower	Upper
180	100		
182	109.3	47.4	142.2
145	38.4	15.0	45.1

