

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071458.D
 Acq On : 22 Mar 2022 11:06
 Operator : JC\MD
 Sample : VN0322MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0322MBL01

Quant Time: Mar 23 07:05:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

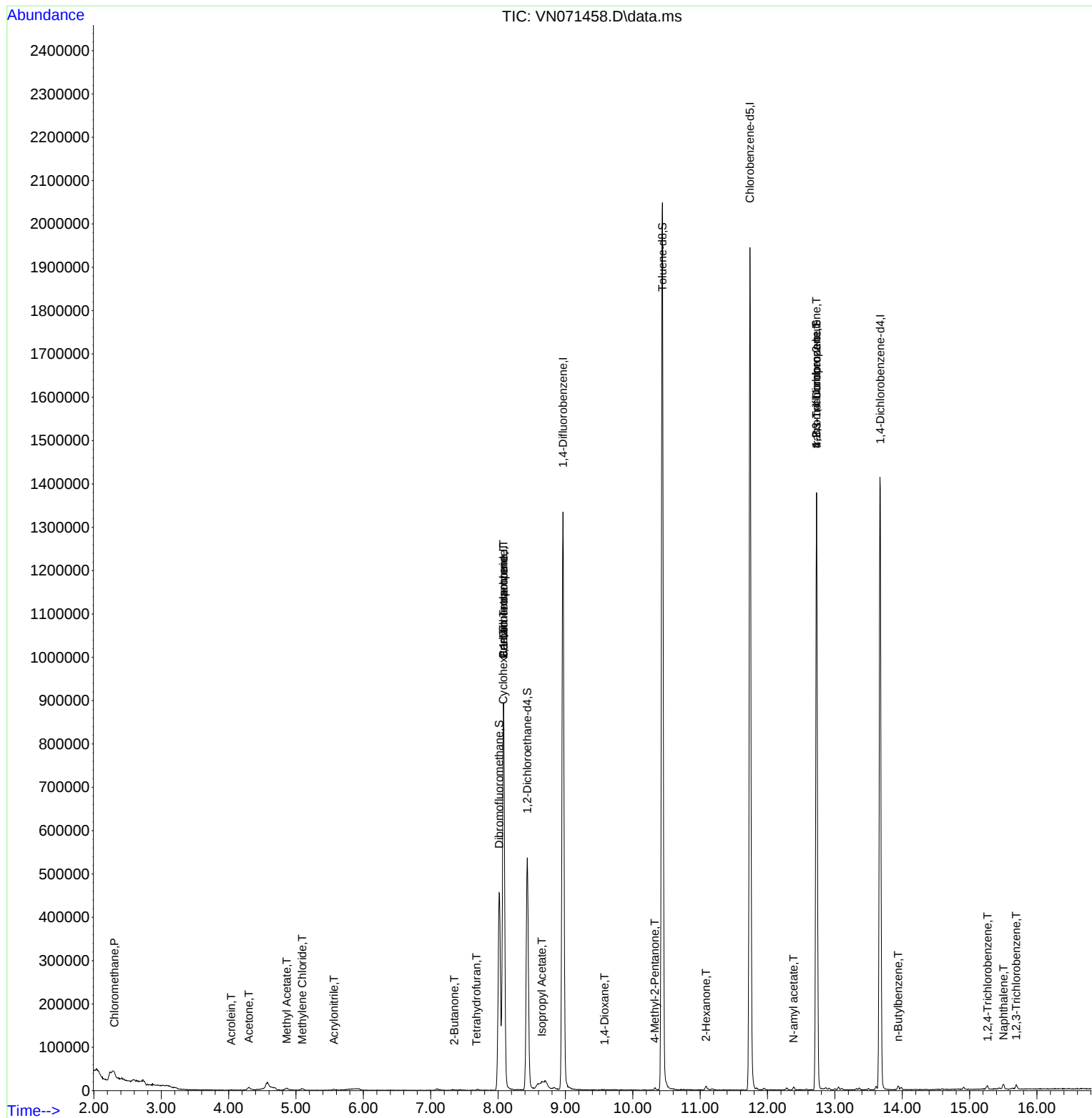
Internal Standards						
1) Pentafluorobenzene	8.081	168	682104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1156578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1097137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	393311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	448142	47.937	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.880%		
35) Dibromofluoromethane	8.016	113	339781	46.555	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.120%		
50) Toluene-d8	10.439	98	1426487	48.544	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.080%		
62) 4-Bromofluorobenzene	12.727	95	474332	47.668	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.340%		
Target Compounds						Qvalue
3) Chloromethane	2.305	50	4627	0.427	ug/l #	66
5) Bromomethane	2.875	94	2155	Below Cal	#	79
13) Acrolein	4.040	56	510	0.262	ug/l	99
15) Acrylonitrile	5.563	53	1730	0.317	ug/l #	74
16) Acetone	4.299	43	11254	2.474	ug/l #	83
18) Methyl Acetate	4.863	43	9826	1.267	ug/l	91
20) Methylene Chloride	5.093	84	2689	0.703	ug/l #	81
25) 2-Butanone	7.351	43	1990	0.272	ug/l #	87
29) Tetrahydrofuran	7.681	42	1822	0.359	ug/l #	62
31) Cyclohexane	8.075	56	15359	1.029	ug/l #	39
36) 1,1-Dichloropropene	8.081	75	54375	4.650	ug/l #	49
38) Carbon Tetrachloride	8.081	117	66127	5.846	ug/l #	18
43) Isopropyl Acetate	8.651	43	32384	1.346	ug/l #	55
49) 1,4-Dioxane	9.581	88	259	1.336	ug/l #	29
51) 4-Methyl-2-Pentanone	10.328	43	4613	0.309	ug/l	95
59) 2-Hexanone	11.086	43	9292	0.912	ug/l	86
74) N-amyl acetate	12.386	43	4229	0.297	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.822	83	915	Below Cal	#	94
76) 1,2,3-Trichloropropane	12.727	75	244368	24.178	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	244368	67.163	ug/l #	5
89) n-Butylbenzene	13.939	91	5765	0.268	ug/l	91
93) 1,2,4-Trichlorobenzene	15.268	180	3276	3.467	ug/l	87
95) Naphthalene	15.504	128	12249	5.678	ug/l	95
96) 1,2,3-Trichlorobenzene	15.692	180	4019	3.347	ug/l	99

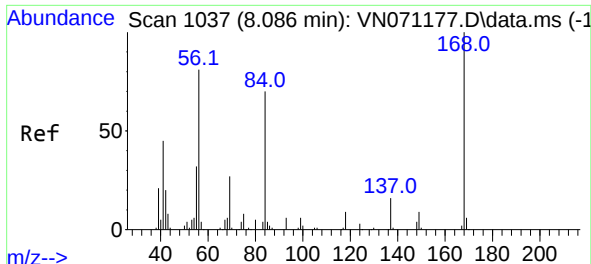
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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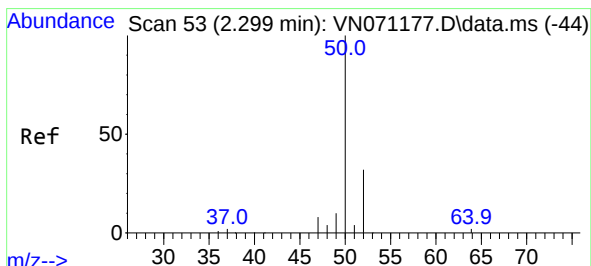
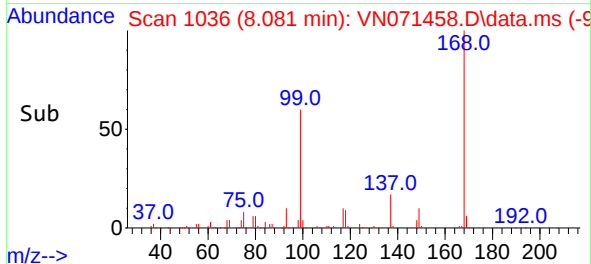
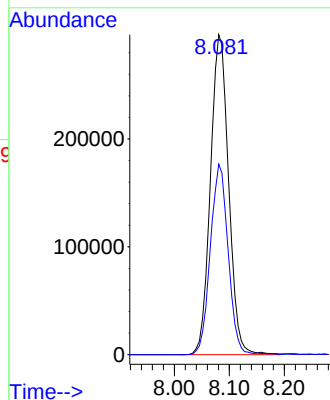
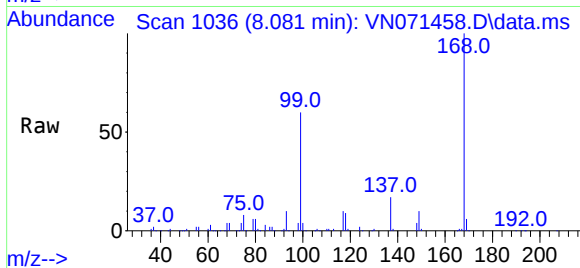




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.005 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

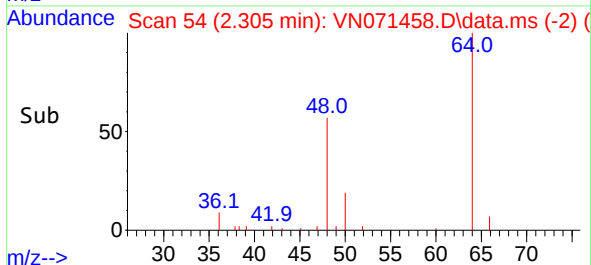
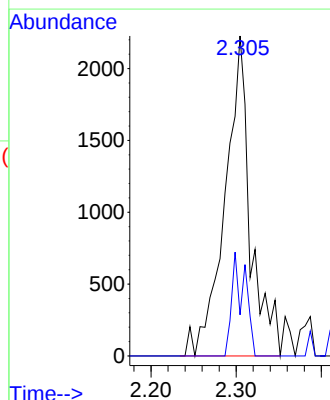
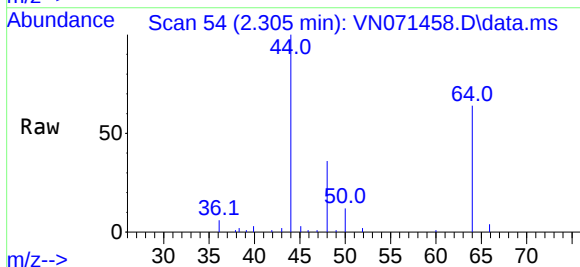
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

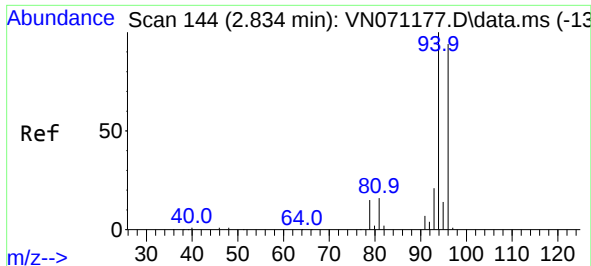
Tgt Ion:168 Resp: 682104
Ion Ratio Lower Upper
168 100
99 59.5 41.3 61.9



#3
Chloromethane
Concen: 0.427 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion: 50 Resp: 4627
Ion Ratio Lower Upper
50 100
52 12.8 25.4 38.0#

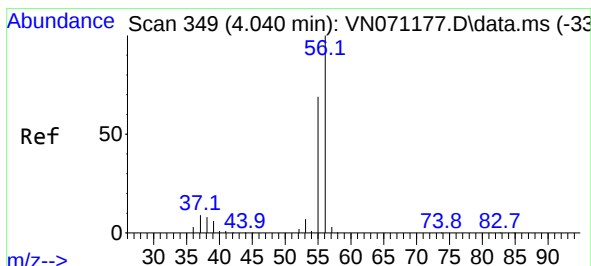
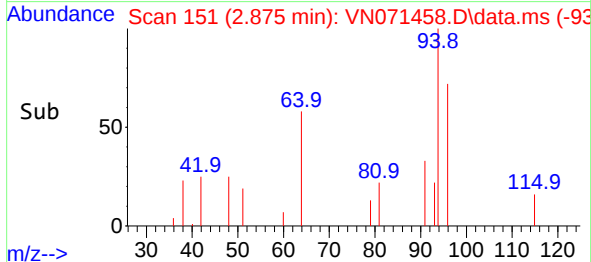
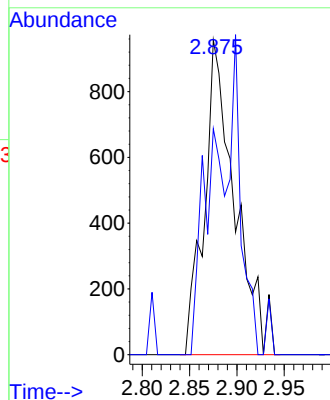
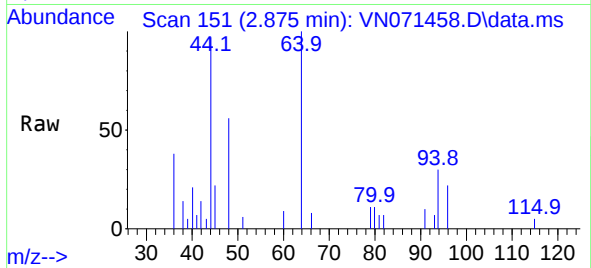




#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

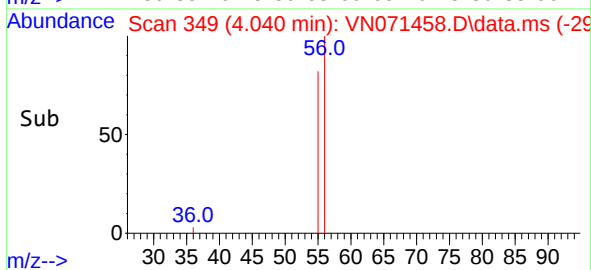
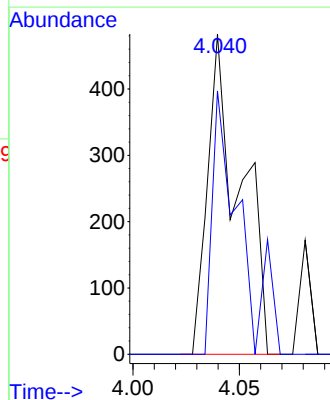
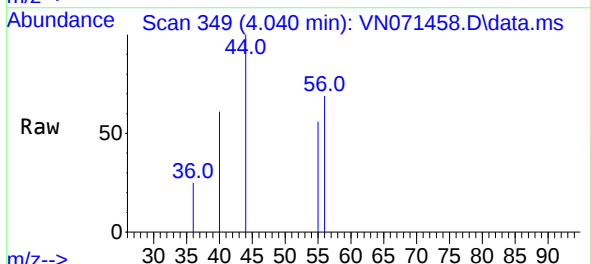
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

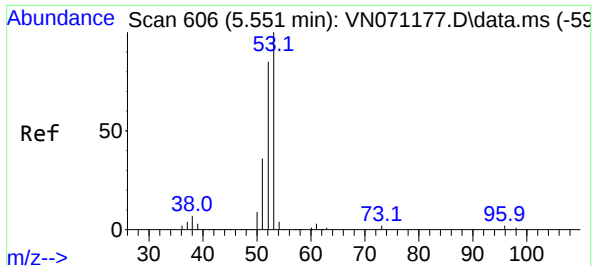
Tgt Ion: 94 Resp: 2155
Ion Ratio Lower Upper
94 100
96 71.8 73.8 110.8#



#13
Acrolein
Concen: 0.262 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.000 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion: 56 Resp: 510
Ion Ratio Lower Upper
56 100
55 70.2 56.6 85.0

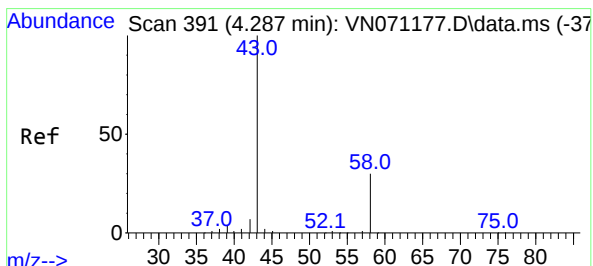
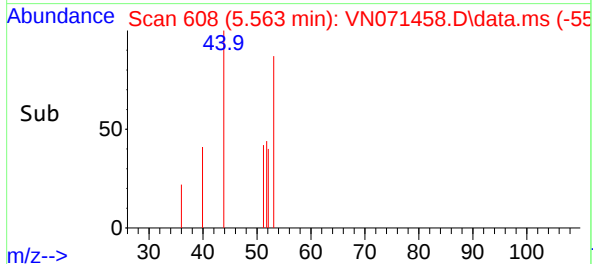
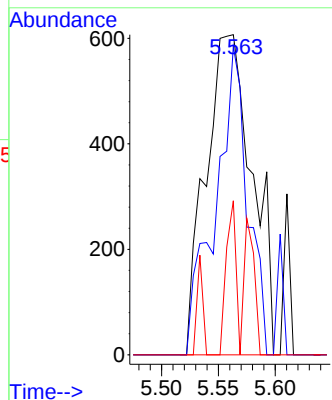
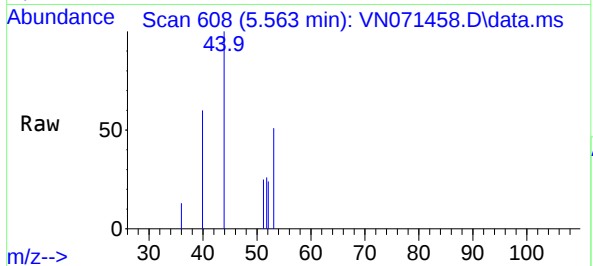




#15
Acrylonitrile
Concen: 0.317 ug/l
RT: 5.563 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

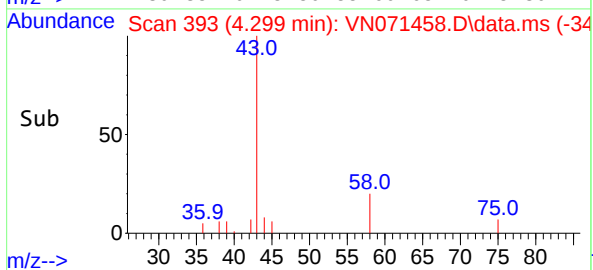
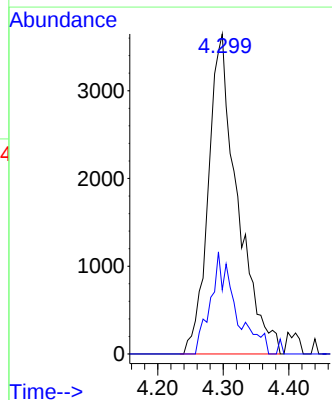
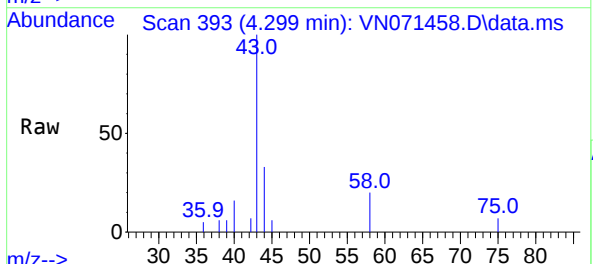
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

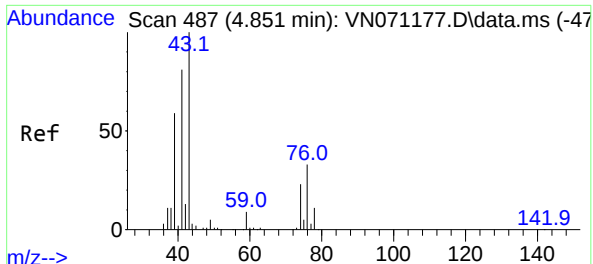
Tgt Ion: 53 Resp: 1730
Ion Ratio Lower Upper
53 100
52 67.0 66.2 99.2
51 10.1 29.6 44.4#



#16
Acetone
Concen: 2.474 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.012 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion: 43 Resp: 11254
Ion Ratio Lower Upper
43 100
58 20.0 23.1 34.7#





#18

Methyl Acetate

Concen: 1.267 ug/l

RT: 4.863 min Scan# 487

Delta R.T. 0.012 min

Lab File: VN071458.D

Acq: 22 Mar 2022 11:06

Instrument :

MSVOA_N

ClientSampleId :

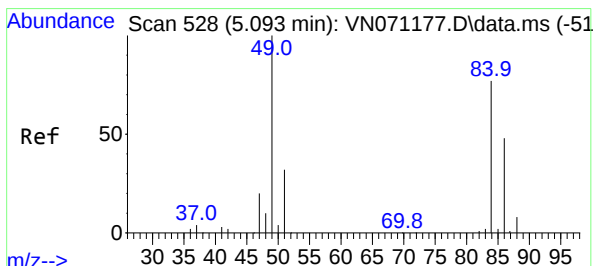
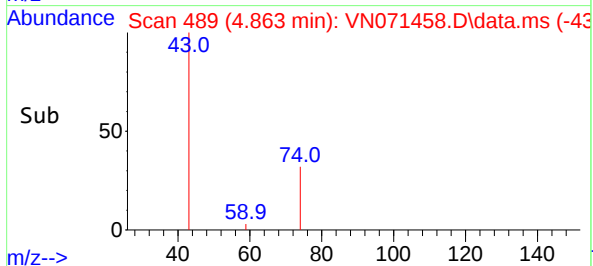
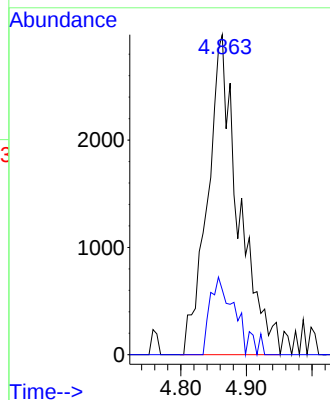
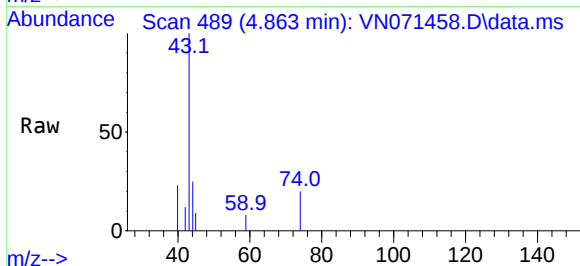
VN0322MBL01

Tgt Ion: 43 Resp: 9826

Ion Ratio Lower Upper

43 100

74 19.8 19.4 29.2



#20

Methylene Chloride

Concen: 0.703 ug/l

RT: 5.093 min Scan# 528

Delta R.T. -0.000 min

Lab File: VN071458.D

Acq: 22 Mar 2022 11:06

Tgt Ion: 84 Resp: 2689

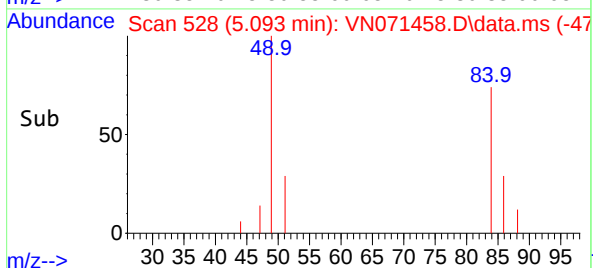
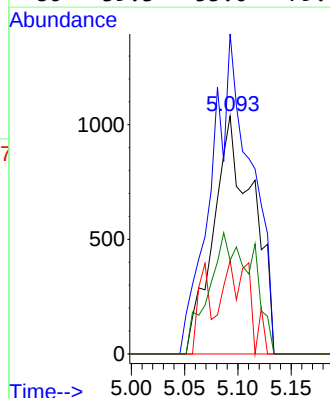
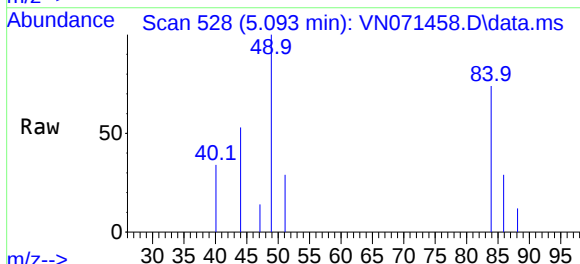
Ion Ratio Lower Upper

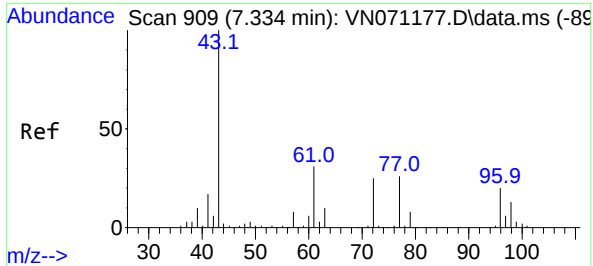
84 100

49 134.5 93.5 140.3

51 39.1 29.4 44.2

86 39.3 53.0 79.4

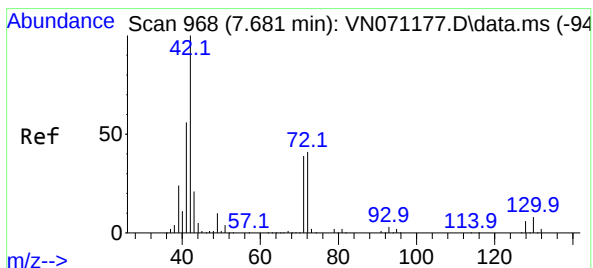
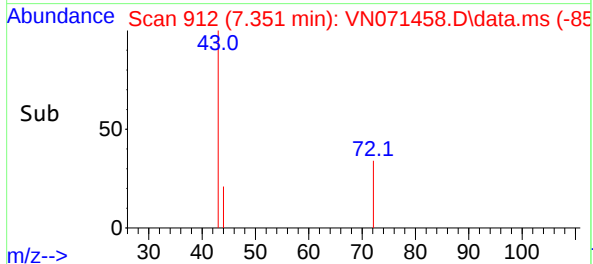
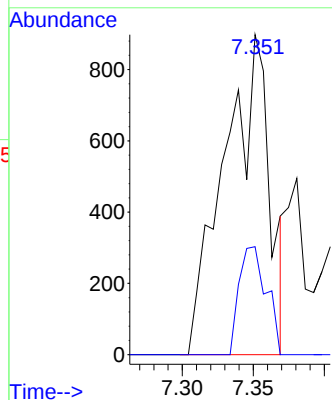
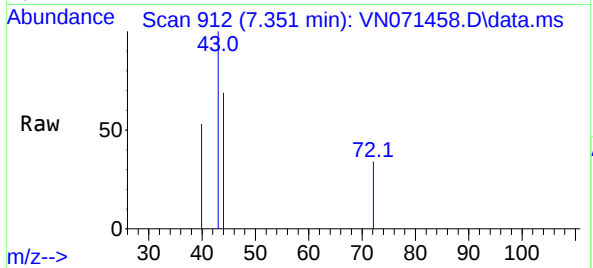




#25
2-Butanone
Concen: 0.272 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.018 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

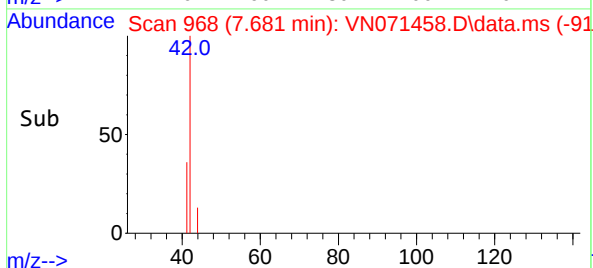
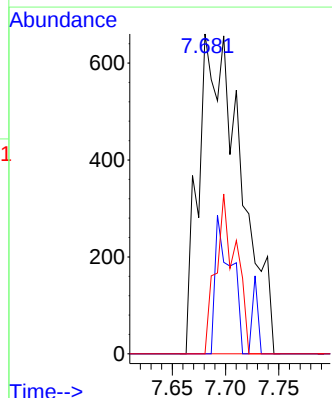
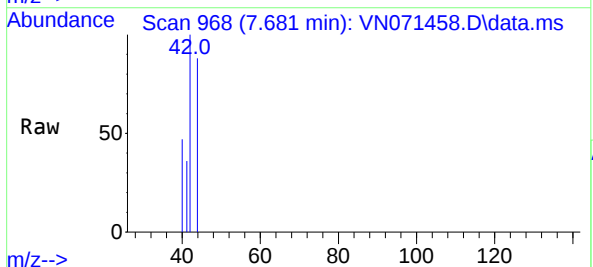
Instrument :
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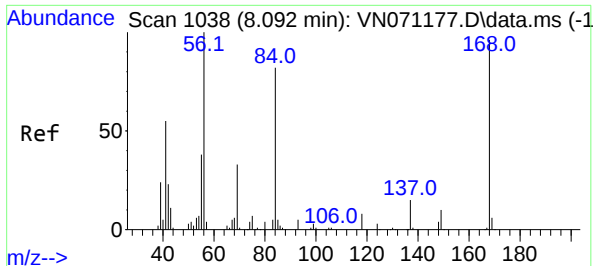
Tgt Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
72 33.7 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.359 ug/l
RT: 7.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion: 42 Resp: 1822
Ion Ratio Lower Upper
42 100
72 16.4 36.3 54.5#
71 23.7 34.7 52.1#





#31

Cyclohexane

Concen: 1.029 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.018 min

Lab File: VN071458.D

Acq: 22 Mar 2022 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0322MBL01

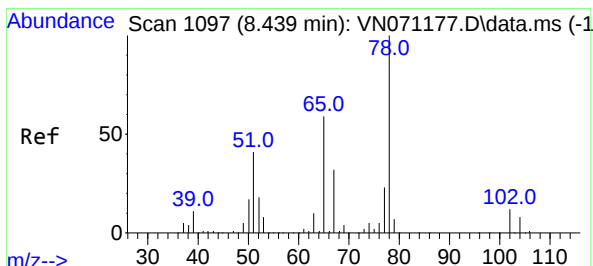
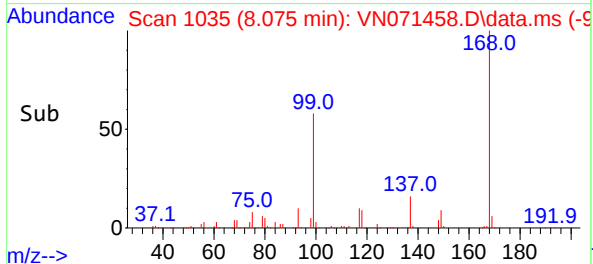
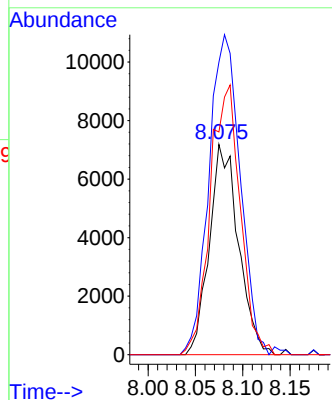
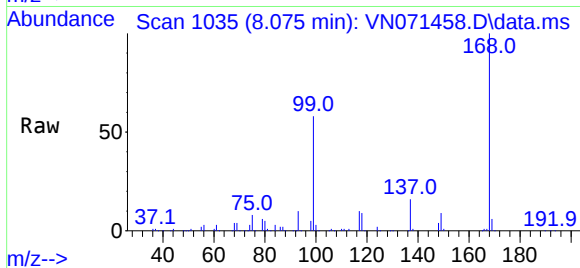
Tgt Ion: 56 Resp: 15359

Ion Ratio Lower Upper

56 100

69 139.1 27.1 40.7#

84 105.9 73.4 110.0



#33

1,2-Dichloroethane-d4

Concen: 47.937 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071458.D

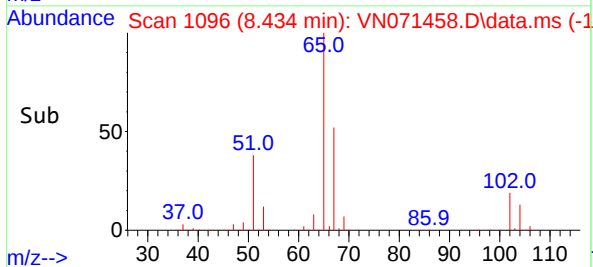
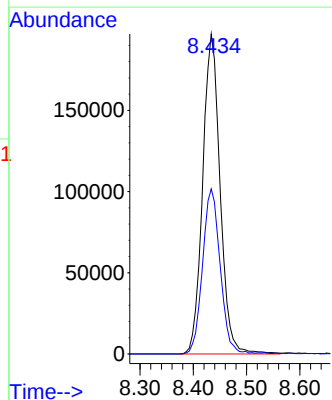
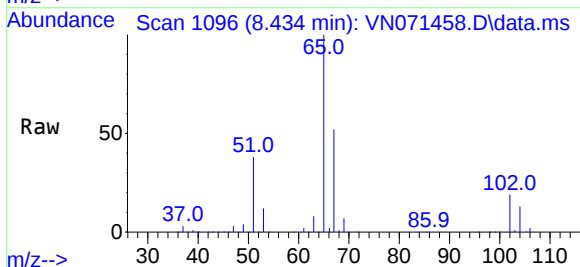
Acq: 22 Mar 2022 11:06

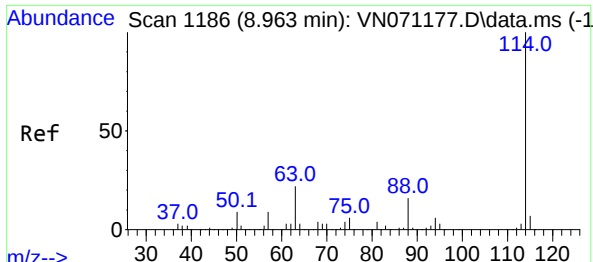
Tgt Ion: 65 Resp: 448142

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0

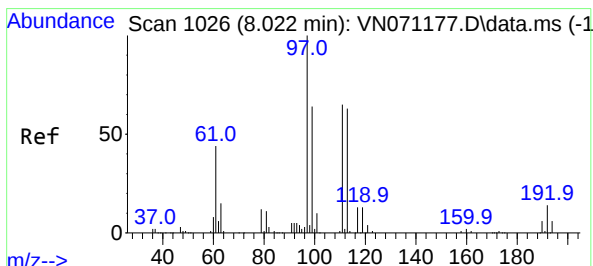
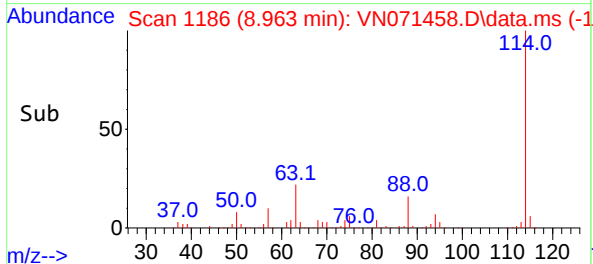
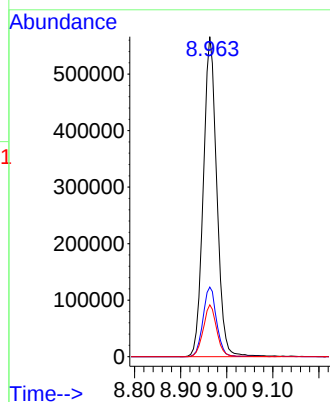
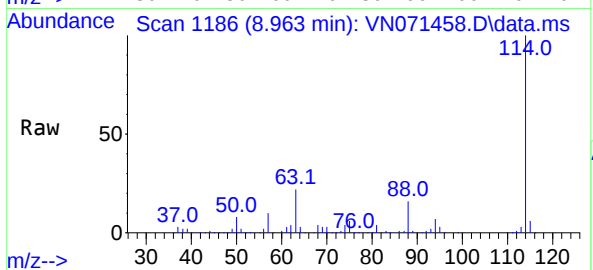




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

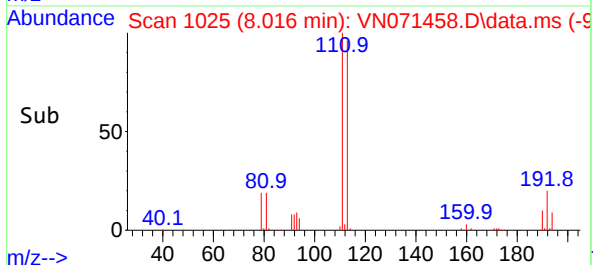
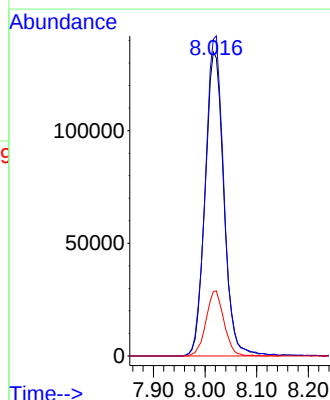
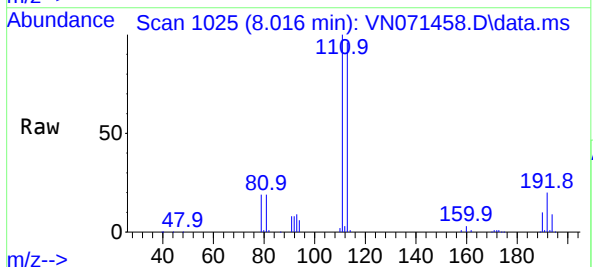
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

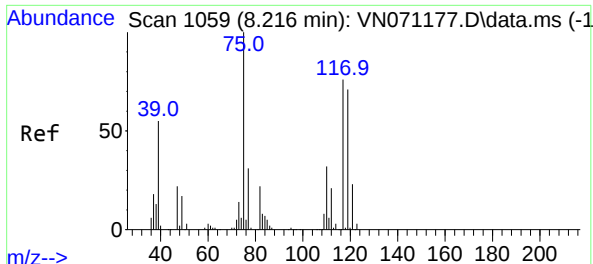
Tgt Ion:114 Resp: 1156578
Ion Ratio Lower Upper
114 100
63 21.8 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.555 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion:113 Resp: 339781
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 20.5 16.9 25.3

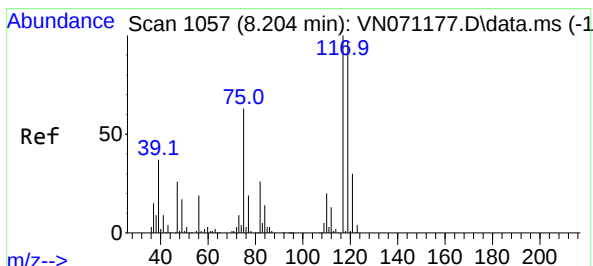
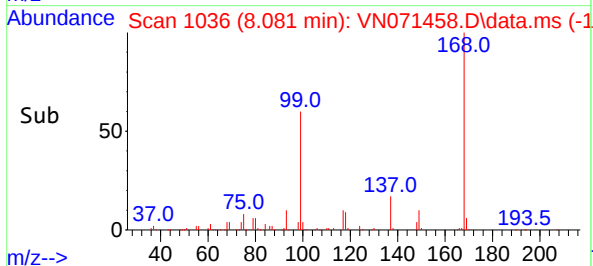
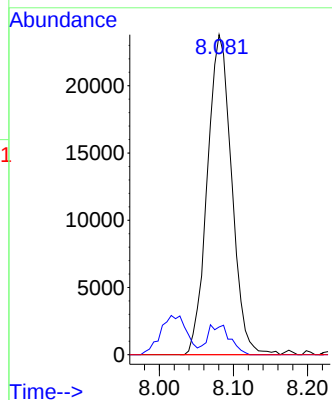
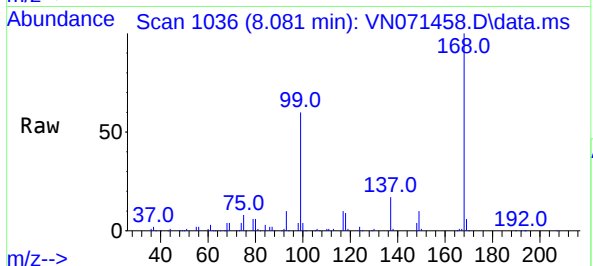




#36
1,1-Dichloropropene
Concen: 4.650 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

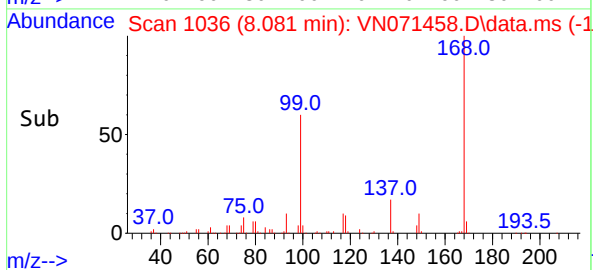
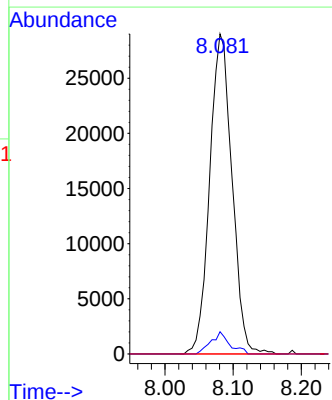
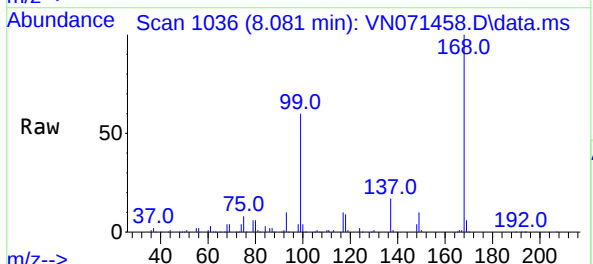
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

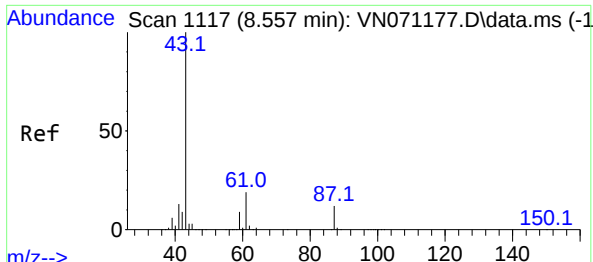
Tgt Ion: 75 Resp: 54375
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.846 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion: 117 Resp: 66127
Ion Ratio Lower Upper
117 100
119 7.0 76.1 114.1#
121 0.0 24.2 36.2#

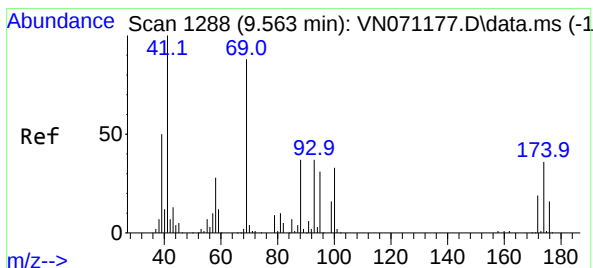
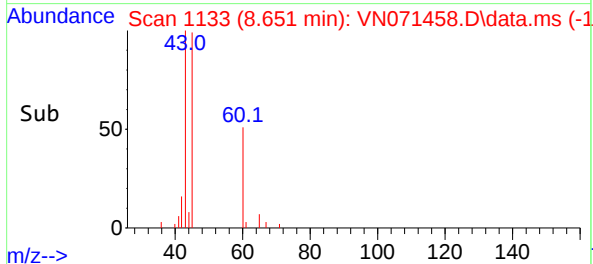
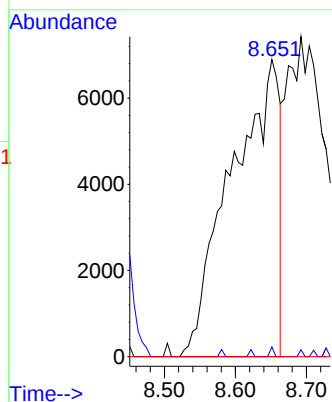
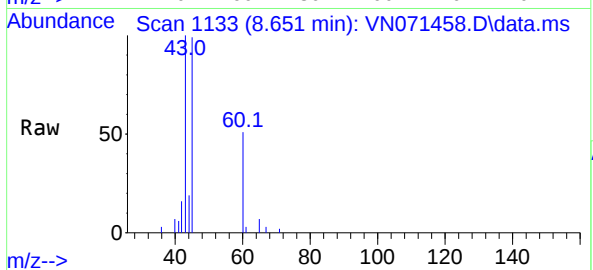




#43
Isopropyl Acetate
Concen: 1.346 ug/l
RT: 8.651 min Scan# 1117
Delta R.T. 0.094 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

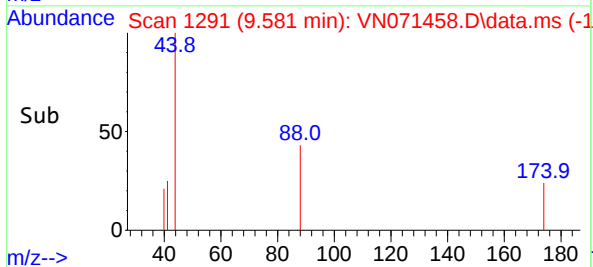
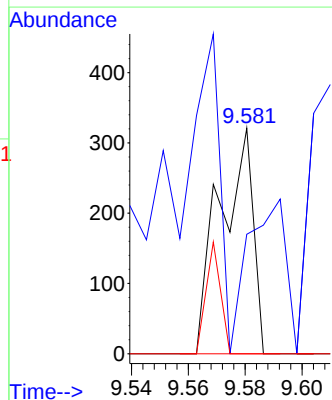
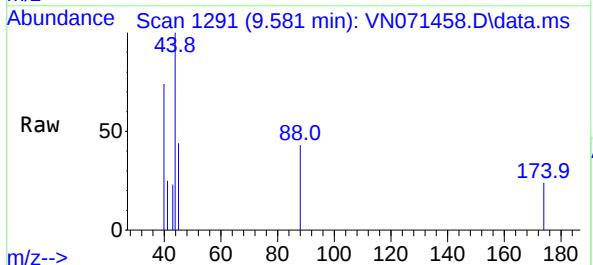
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

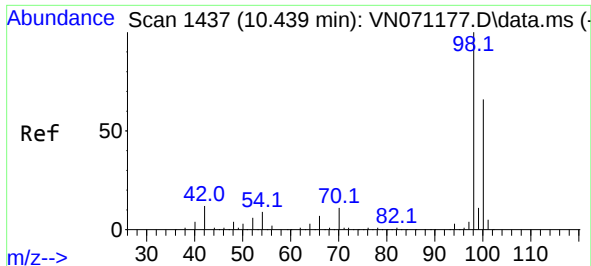
Tgt Ion: 43 Resp: 32384
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#49
1,4-Dioxane
Concen: 1.336 ug/l
RT: 9.581 min Scan# 1291
Delta R.T. 0.018 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion: 88 Resp: 259
Ion Ratio Lower Upper
88 100
43 54.8 23.4 35.2#
58 0.0 50.6 75.8#

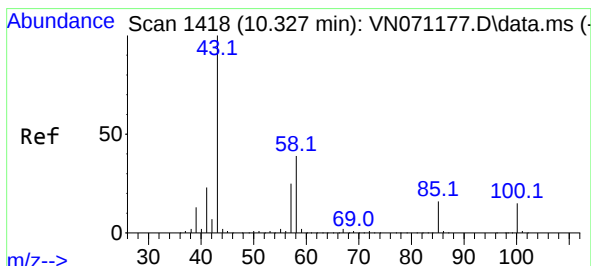
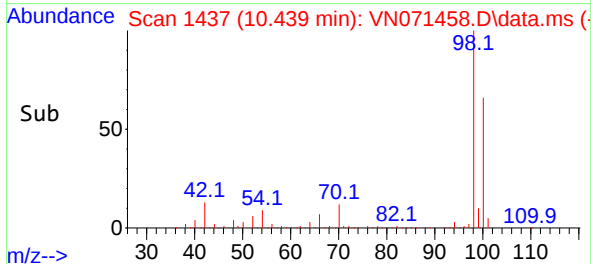
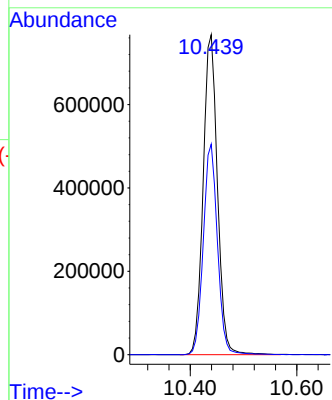
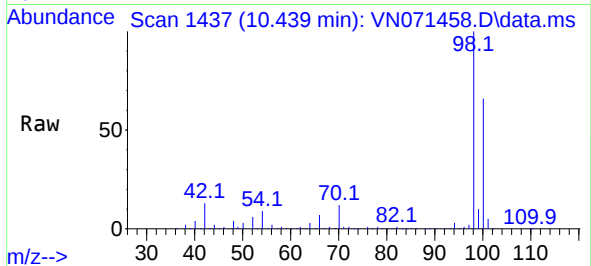




#50
Toluene-d8
Concen: 48.544 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

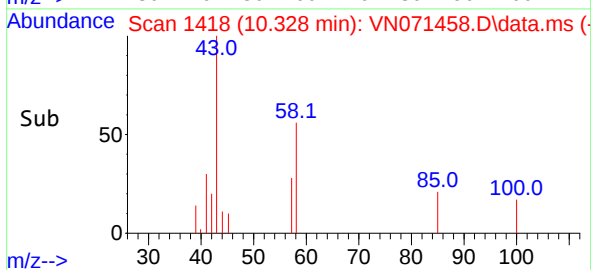
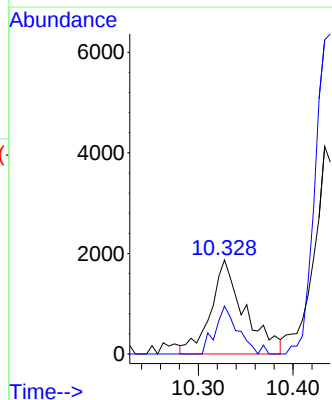
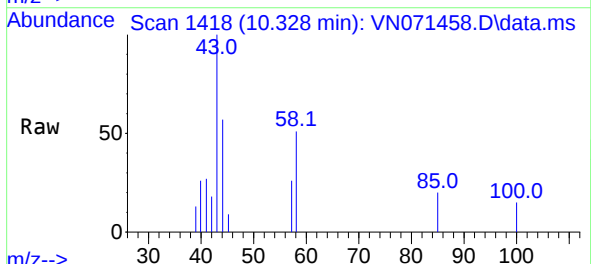
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

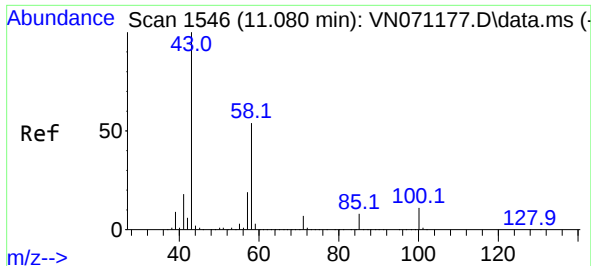
Tgt Ion: 98 Resp: 1426487
Ion Ratio Lower Upper
98 100
100 65.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.309 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion: 43 Resp: 4613
Ion Ratio Lower Upper
43 100
58 34.9 30.4 45.6

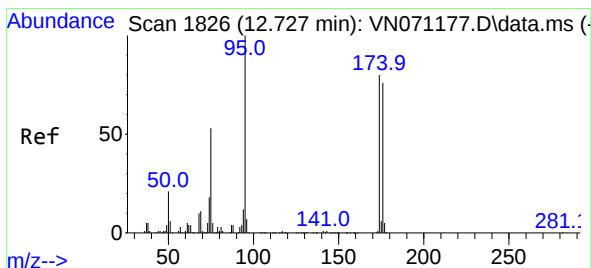
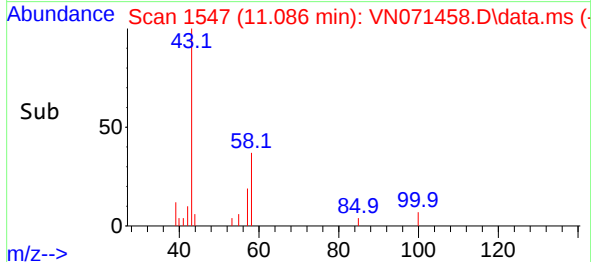
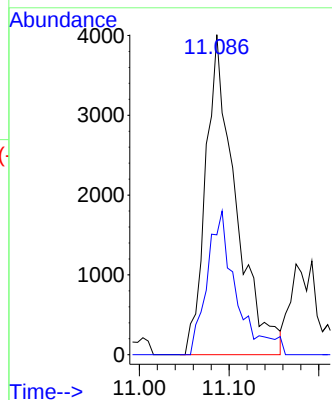
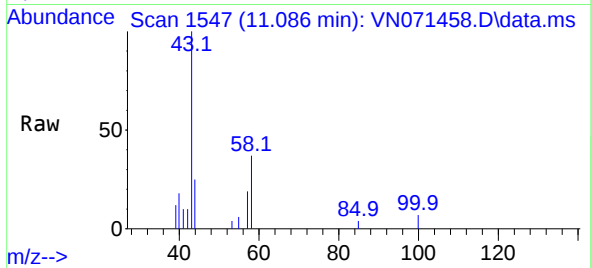




#59
2-Hexanone
Concen: 0.912 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

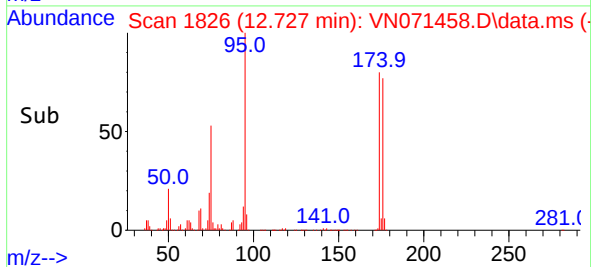
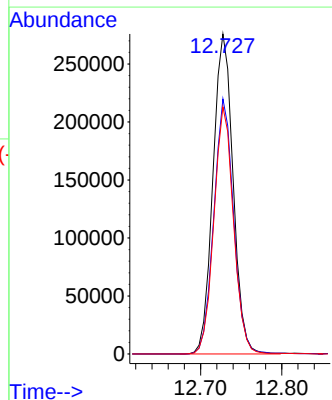
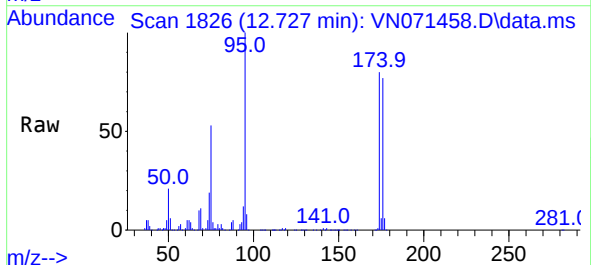
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

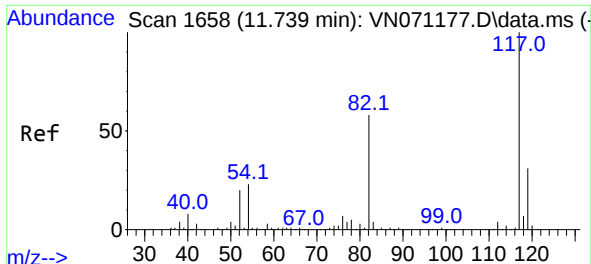
Tgt Ion: 43 Resp: 9292
Ion Ratio Lower Upper
43 100
58 43.6 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 47.668 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion: 95 Resp: 474332
Ion Ratio Lower Upper
95 100
174 78.7 0.0 187.2
176 75.7 0.0 181.4

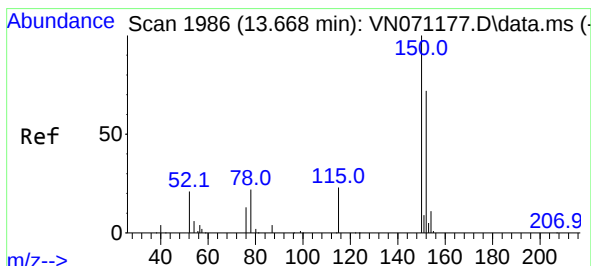
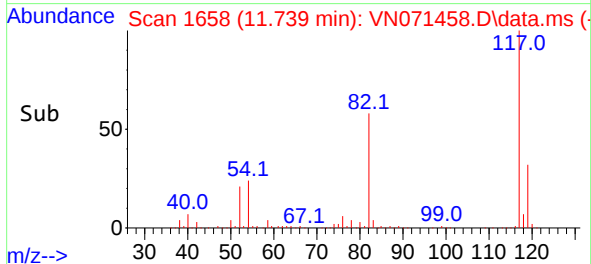
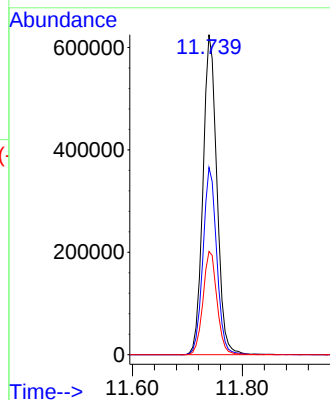
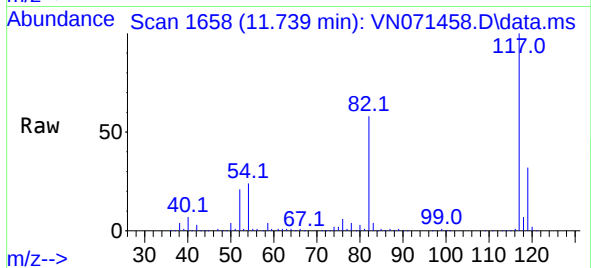




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

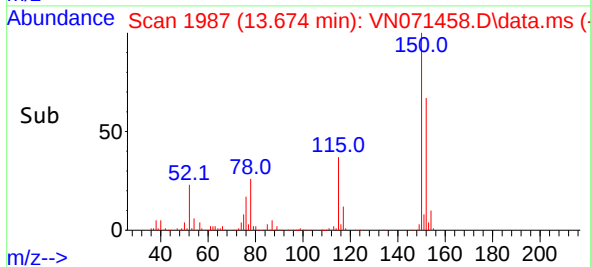
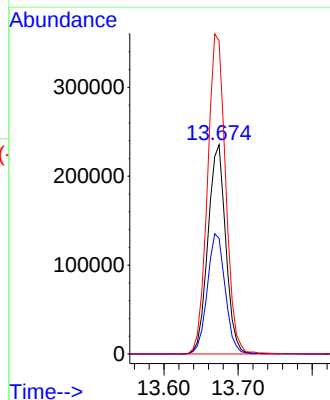
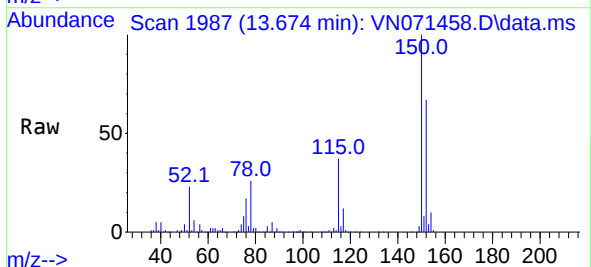
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

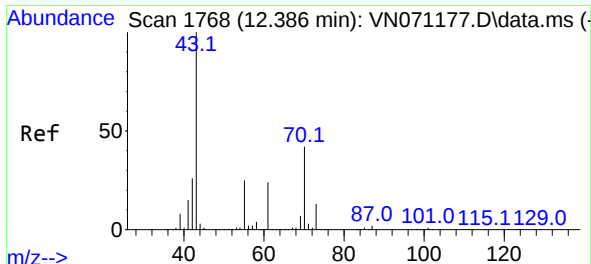
Tgt Ion:117 Resp: 1097137
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion:152 Resp: 393311
Ion Ratio Lower Upper
152 100
115 58.0 27.5 82.5
150 155.8 0.0 344.4

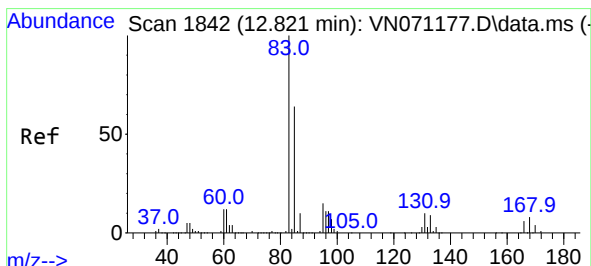
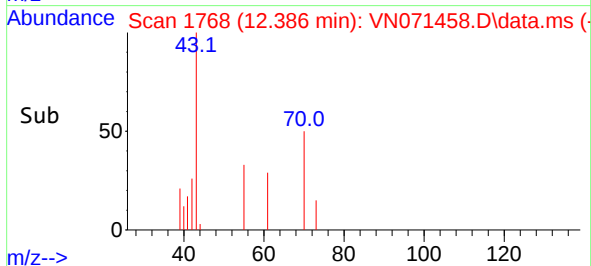
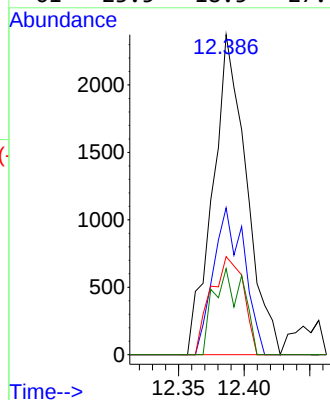
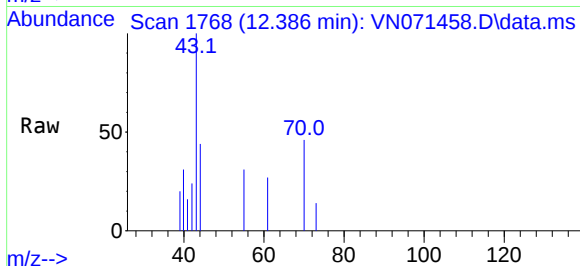




#74
N-amy1 acetate
Concen: 0.297 ug/l
RT: 12.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

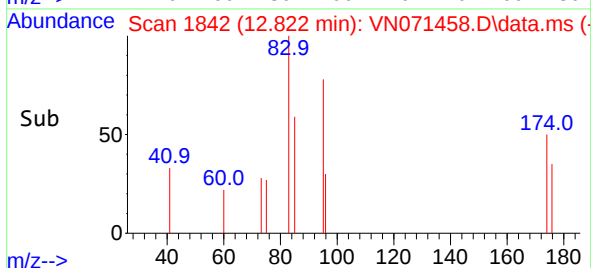
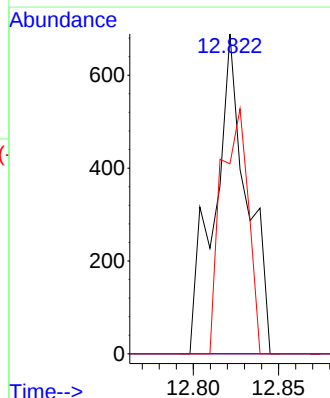
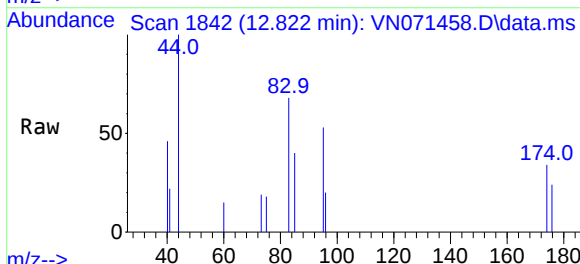
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

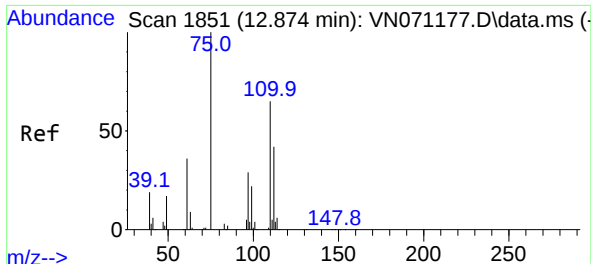
Tgt Ion:	43	Resp:	4229
Ion	Ratio	Lower	Upper
43	100		
70	42.2	33.4	50.0
55	29.6	19.3	28.9#
61	23.5	18.5	27.7



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.822 min Scan# 1842
Delta R.T. 0.001 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion:	83	Resp:	915
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5#
85	63.4	32.4	97.2

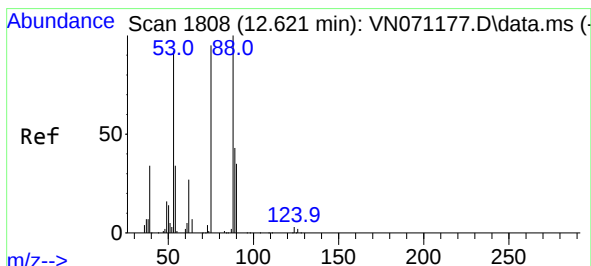
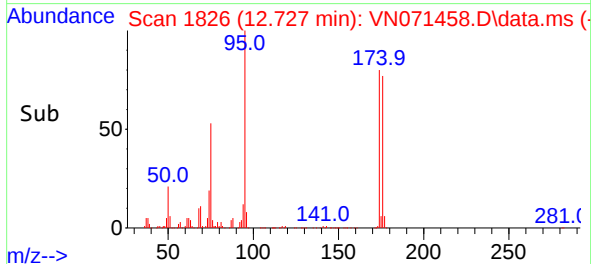
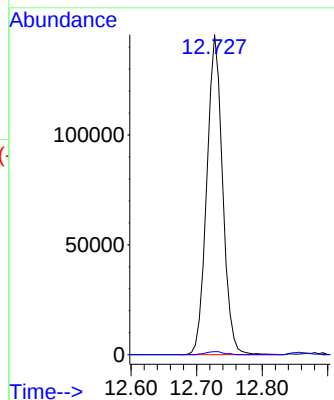
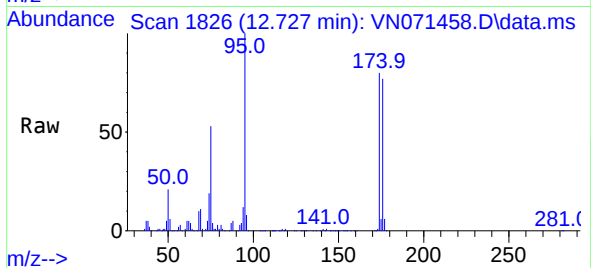




#76
1,2,3-Trichloropropane
Concen: 24.178 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

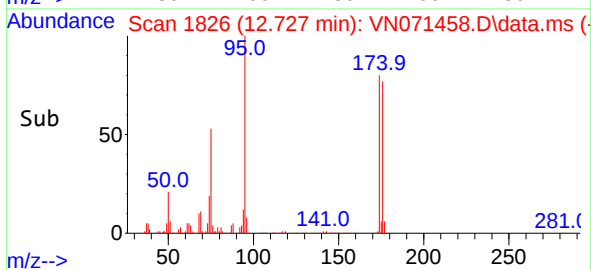
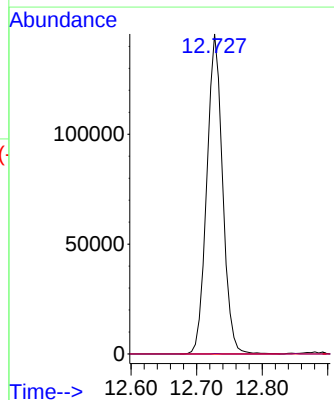
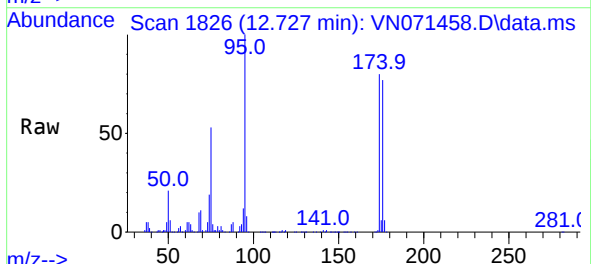
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

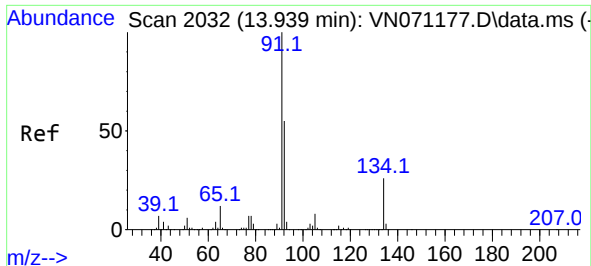
Tgt Ion: 75 Resp: 244368
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.163 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion: 75 Resp: 244368
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

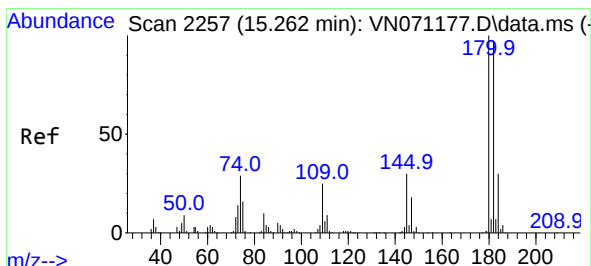
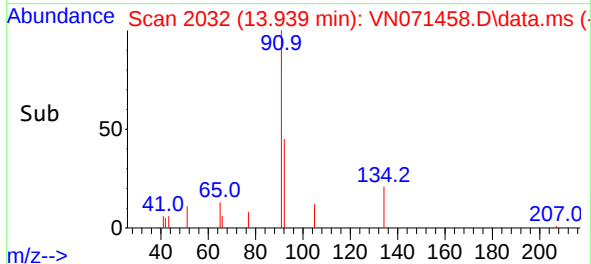
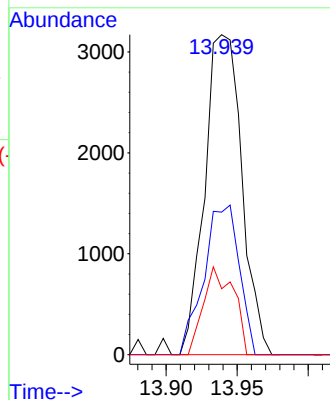
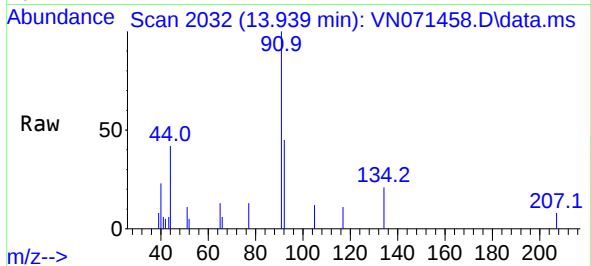




#89
n-Butylbenzene
Concen: 0.268 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

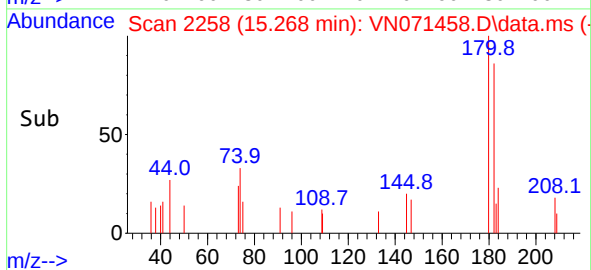
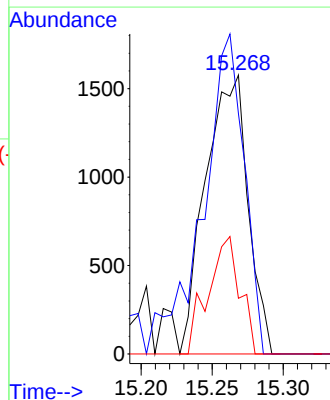
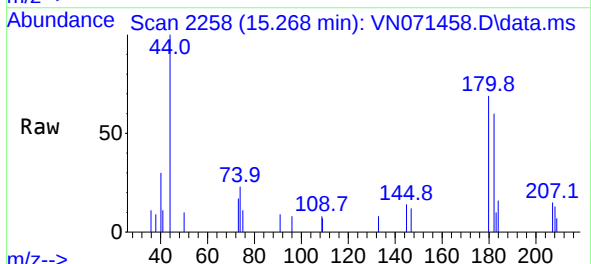
Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

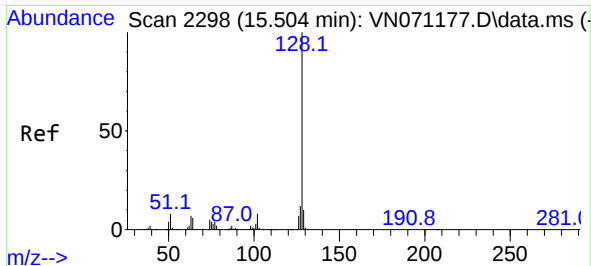
Tgt Ion: 91	Resp:	5765
Ion Ratio	Lower	Upper
91	100	
92	44.5	25.4 76.0
134	22.2	13.6 40.8



#93
1,2,4-Trichlorobenzene
Concen: 3.467 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion: 180	Resp:	3276
Ion Ratio	Lower	Upper
180	100	
182	111.6	48.3 144.9
145	31.6	14.5 43.5

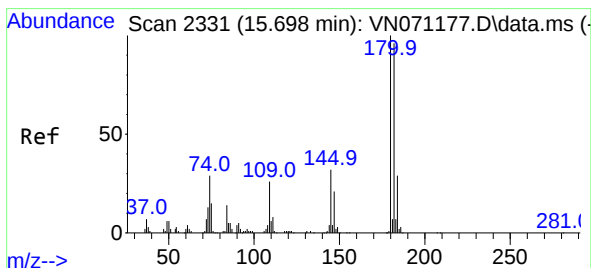
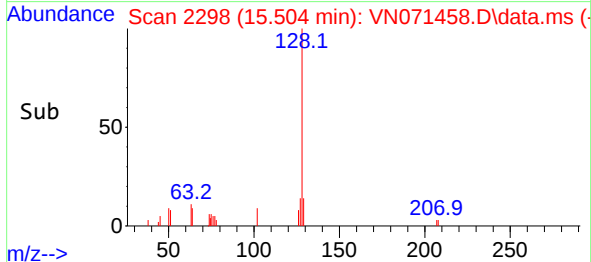
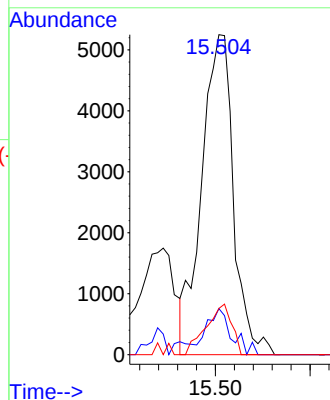
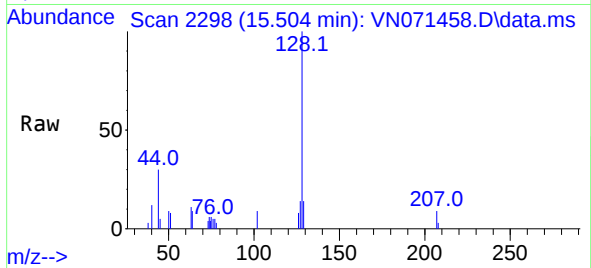




#95
Naphthalene
Concen: 5.678 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0322MBL01

Tgt Ion:	128	Resp:	12249
Ion	Ratio	Lower	Upper
128	100		
127	11.0	10.5	15.7
129	12.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.347 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071458.D
Acq: 22 Mar 2022 11:06

Tgt Ion:	180	Resp:	4019
Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.2
145	29.2	15.0	45.1

