

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071940.D
 Acq On : 11 Apr 2022 16:52
 Operator : JC\MD
 Sample : PB143992ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:41:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

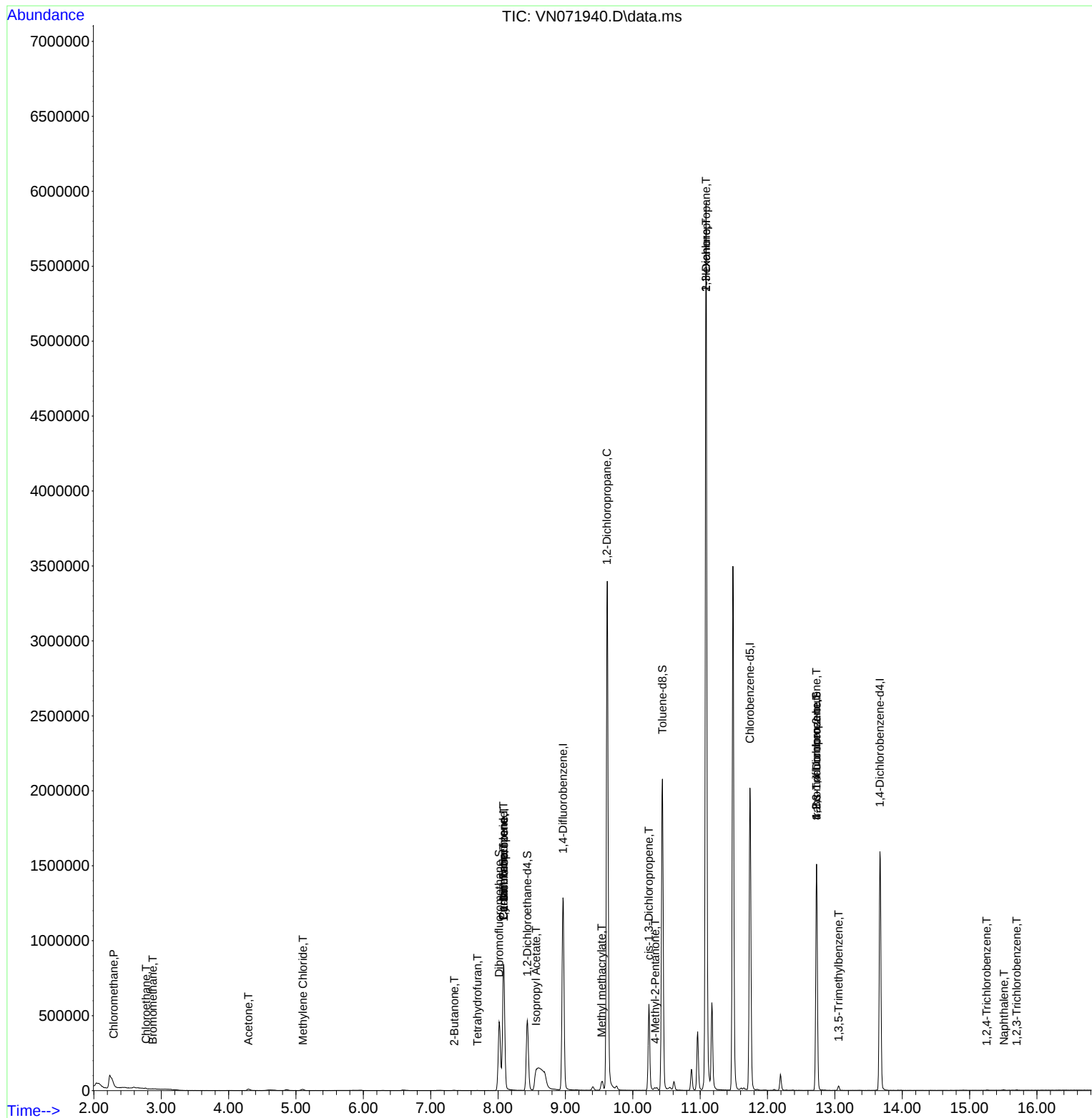
Internal Standards						
1) Pentafluorobenzene	8.080	168	713710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1219793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1280953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	488888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	390297	47.902	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.800%
35) Dibromofluoromethane	8.016	113	344952	48.058	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.120%
50) Toluene-d8	10.439	98	1547820	52.714	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.420%
62) 4-Bromofluorobenzene	12.727	95	540982	56.967	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	113.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	1678	0.233	ug/l	94
5) Bromomethane	2.875	94	1486	0.290	ug/l	88
6) Chloroethane	2.775	64	3263	0.574	ug/l #	42
16) Acetone	4.292	43	18052	5.184	ug/l	98
20) Methylene Chloride	5.104	84	6936	0.945	ug/l #	87
25) 2-Butanone	7.351	43	4128	0.822	ug/l	95
29) Tetrahydrofuran	7.692	42	959	0.295	ug/l #	56
31) Cyclohexane	8.080	56	11068	0.999	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	48658	4.854	ug/l #	47
38) Carbon Tetrachloride	8.080	117	63210	6.435	ug/l #	16
43) Isopropyl Acetate	8.563	43	383153	20.997	ug/l #	61
45) 1,2-Dichloropropane	9.616	63	4870	0.616	ug/l #	44
48) Methyl methacrylate	9.539	41	16045	2.119	ug/l #	10
49) 1,4-Dioxane	9.616	88	777	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.333	43	10786	1.028	ug/l	96
54) cis-1,3-Dichloropropene	10.239	75	112436	9.184	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	69468	5.044	ug/l #	42
59) 2-Hexanone	11.086	43	840424	113.775	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	255806	22.587	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	14941	0.458	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.727	75	255806	69.996	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.251	180	911	2.198	ug/l	83
95) Naphthalene	15.509	128	4308	3.982	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.698	180	1171	2.562	ug/l	89

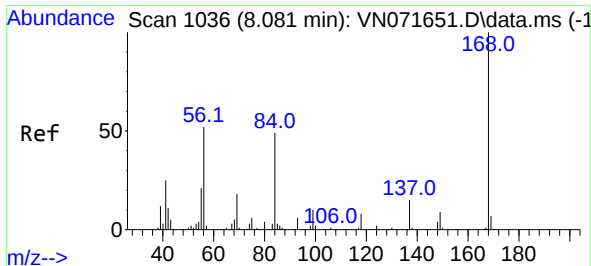
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
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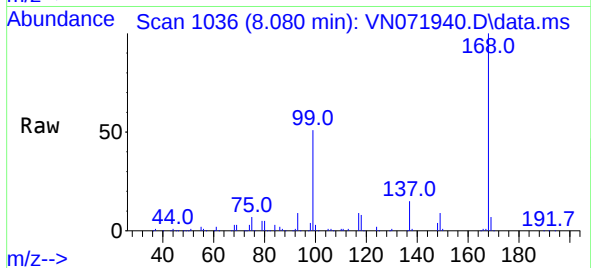
Quant Time: Apr 12 08:41:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration



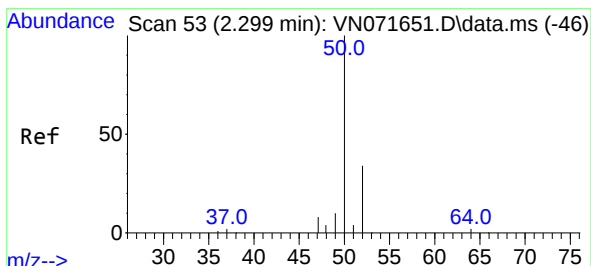
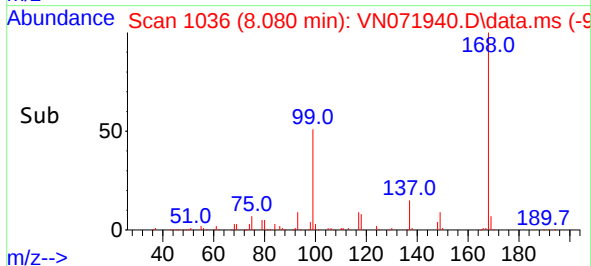
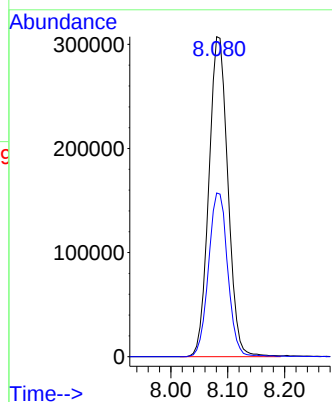


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

Instrument :
MSVOA_N
ClientSampleId :

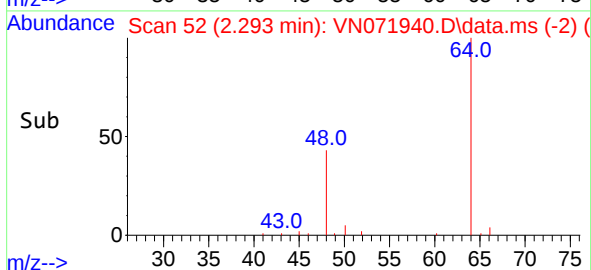
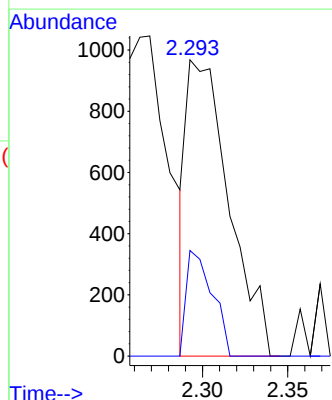
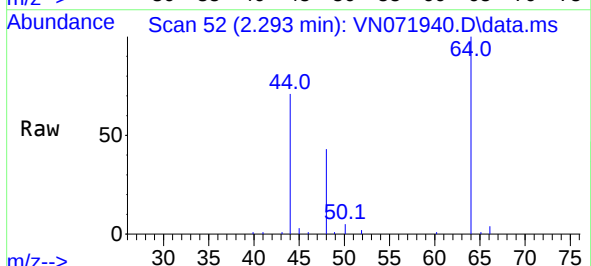


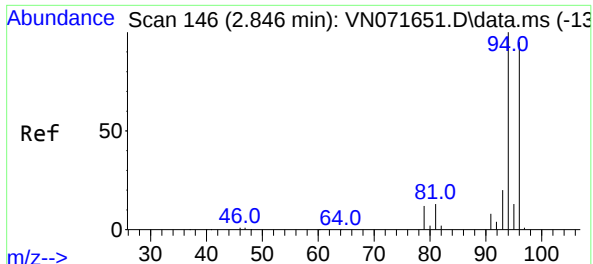
Tgt Ion:168 Resp: 713710
Ion Ratio Lower Upper
168 100
99 51.2 42.3 63.5



#3
Chloromethane
Concen: 0.233 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

Tgt Ion: 50 Resp: 1678
Ion Ratio Lower Upper
50 100
52 35.6 25.7 38.5

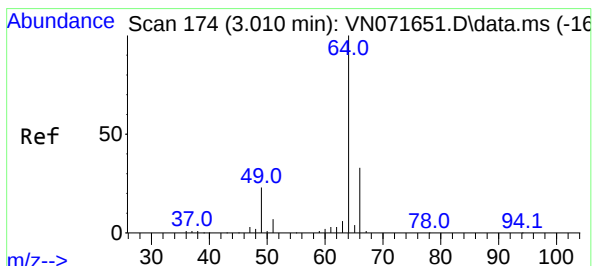
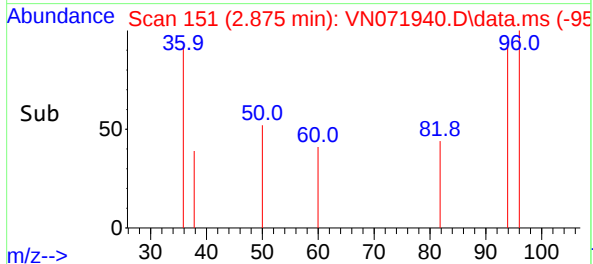
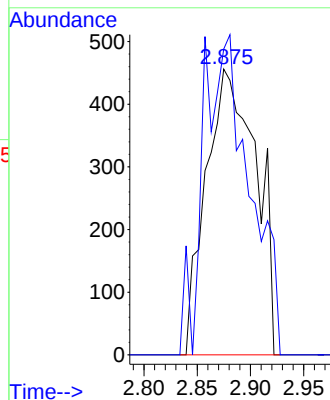
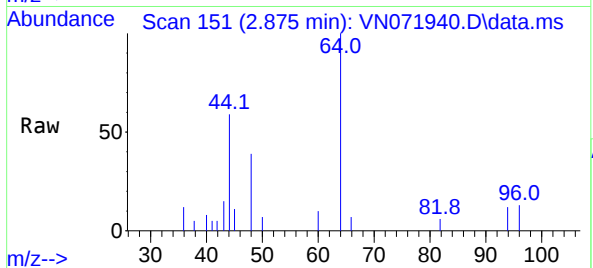




#5
Bromomethane
Concen: 0.290 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

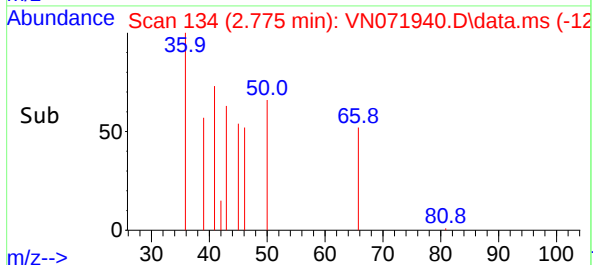
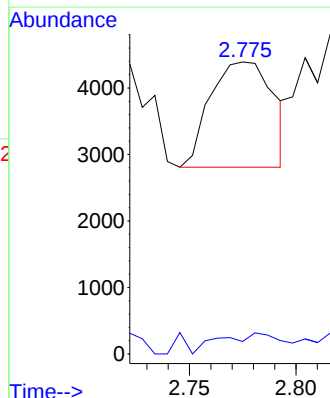
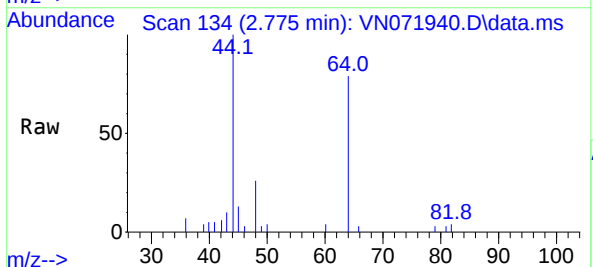
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 1486
Ion Ratio Lower Upper
94 100
96 107.0 76.0 114.0



#6
Chloroethane
Concen: 0.574 ug/l
RT: 2.775 min Scan# 134
Delta R.T. -0.235 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

Tgt Ion: 64 Resp: 3263
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

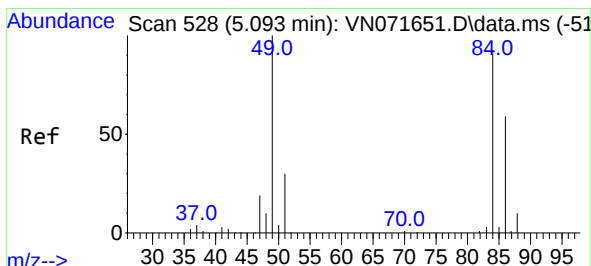
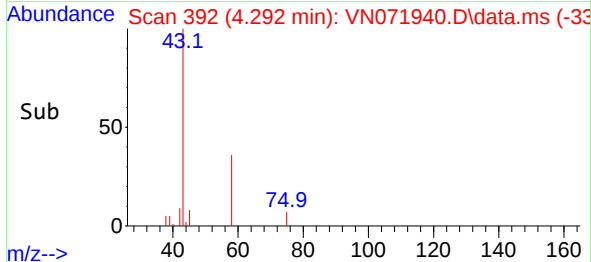
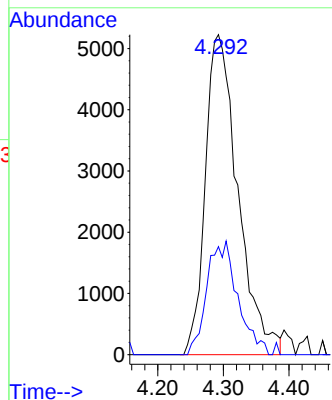
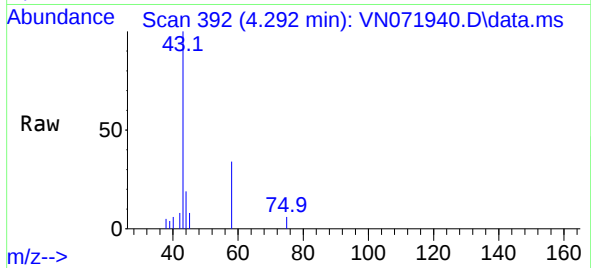




#16
Acetone
Concen: 5.184 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

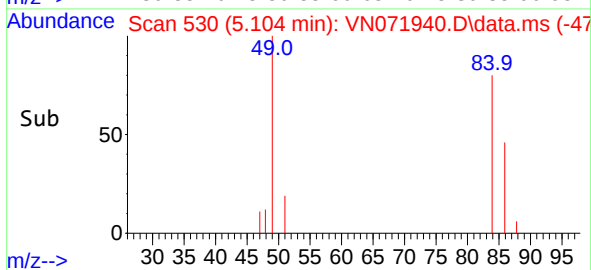
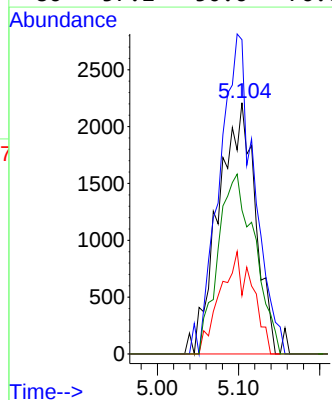
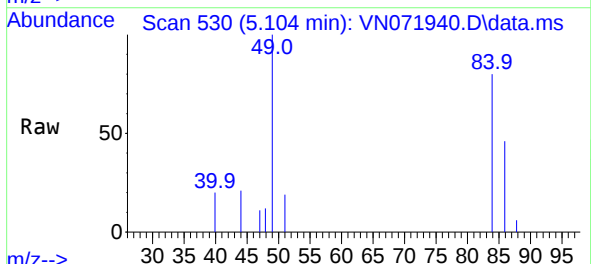
Instrument :
MSVOA_N
ClientSampleId :

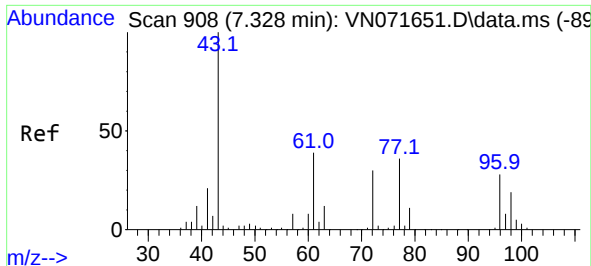
Tgt Ion: 43 Resp: 18052
Ion Ratio Lower Upper
43 100
58 33.7 26.0 39.0



#20
Methylene Chloride
Concen: 0.945 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.011 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

Tgt Ion: 84 Resp: 6936
Ion Ratio Lower Upper
84 100
49 125.1 88.3 132.5
51 23.3 28.2 42.2#
86 57.2 50.6 76.0





#25

2-Butanone

Concen: 0.822 ug/l

RT: 7.351 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN071940.D

Acq: 11 Apr 2022 16:52

Instrument :

MSVOA_N

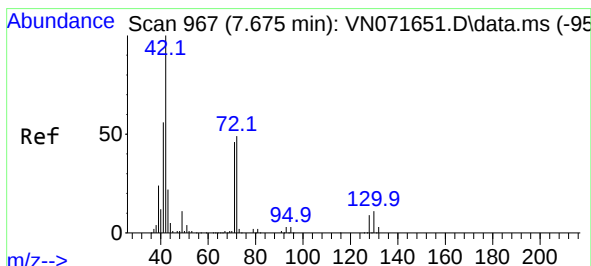
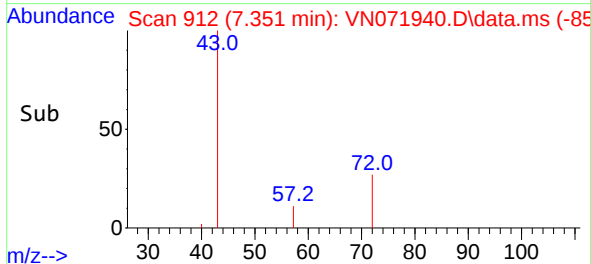
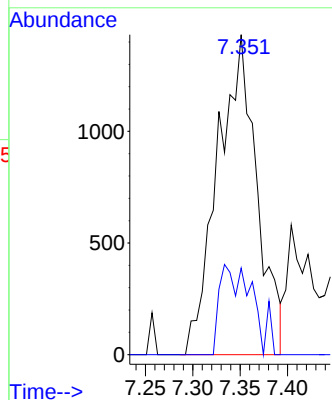
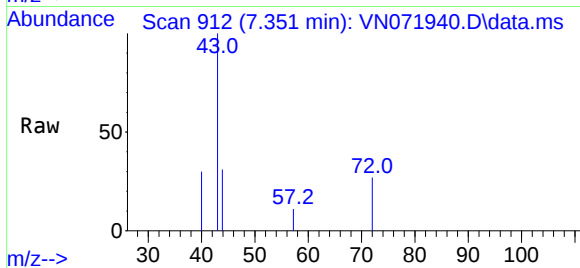
ClientSampleId :

Tgt Ion: 43 Resp: 4128

Ion Ratio Lower Upper

43 100

72 27.1 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.295 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.017 min

Lab File: VN071940.D

Acq: 11 Apr 2022 16:52

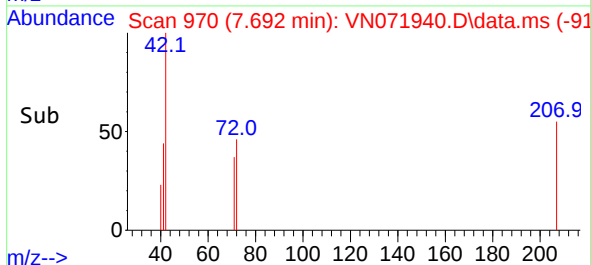
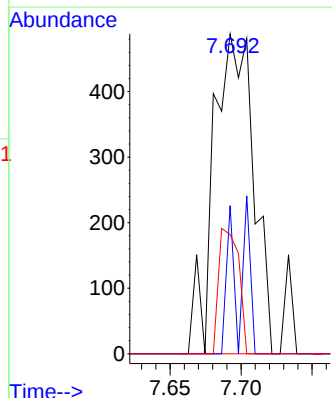
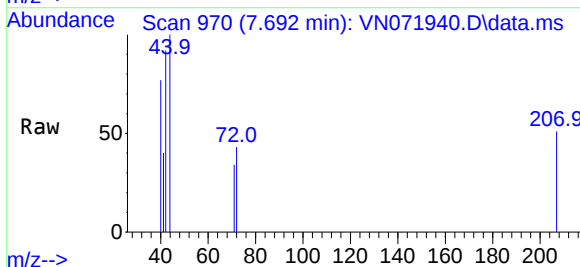
Tgt Ion: 42 Resp: 959

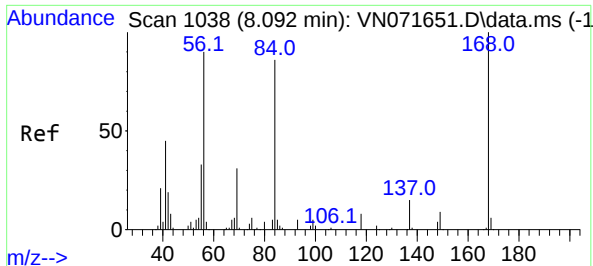
Ion Ratio Lower Upper

42 100

72 17.2 39.7 59.5#

71 19.4 36.6 55.0#





#31

Cyclohexane

Concen: 0.999 ug/l

RT: 8.080 min Scan# 11068

Delta R.T. -0.012 min

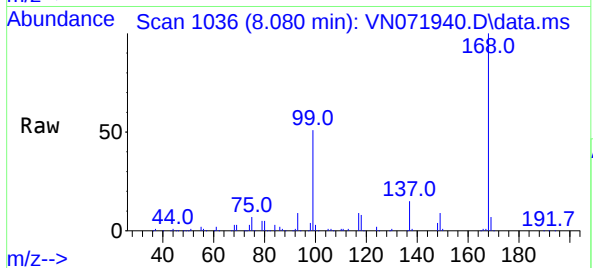
Lab File: VN071940.D

Acq: 11 Apr 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :



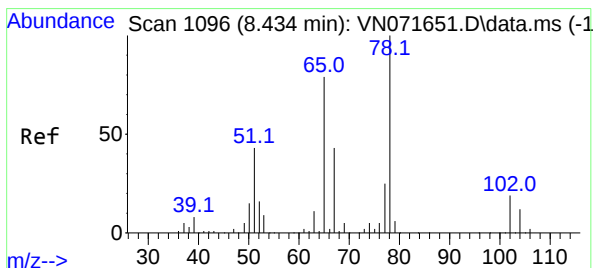
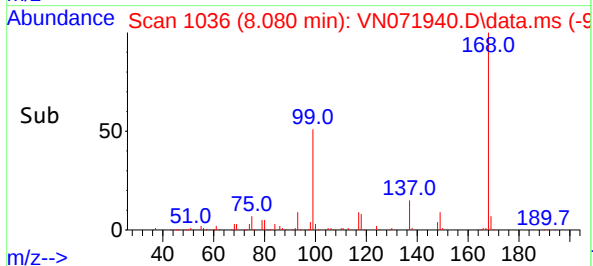
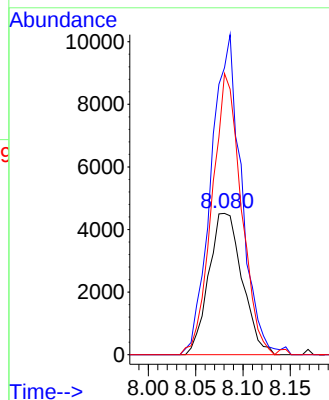
Tgt Ion: 56 Resp: 11068

Ion Ratio Lower Upper

56 100

69 203.1 27.8 41.8#

84 199.0 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.902 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071940.D

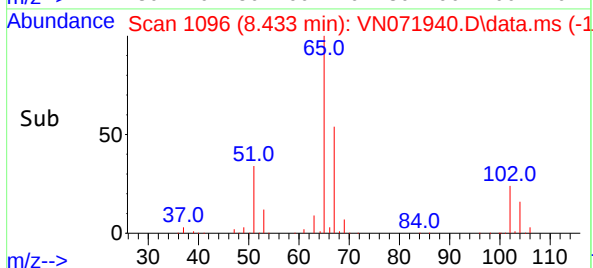
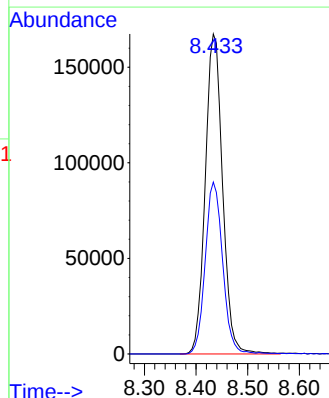
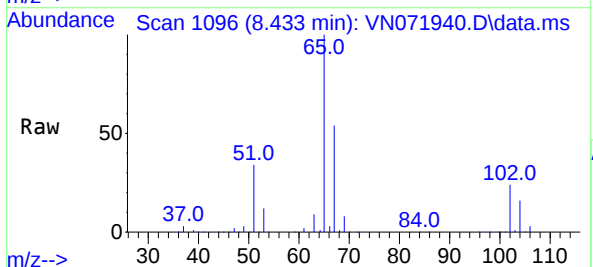
Acq: 11 Apr 2022 16:52

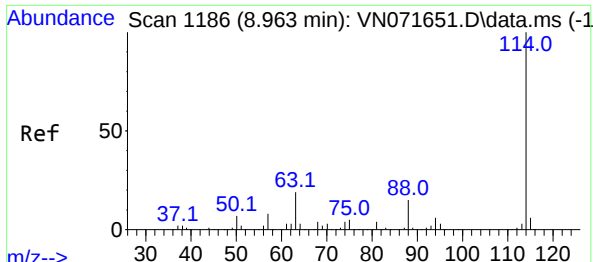
Tgt Ion: 65 Resp: 390297

Ion Ratio Lower Upper

65 100

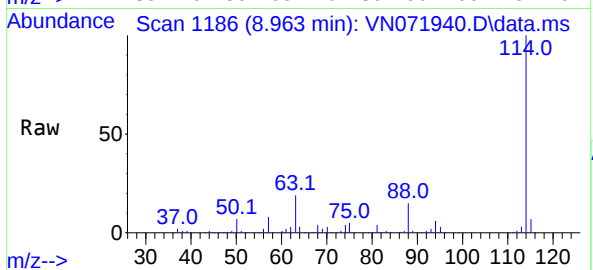
67 53.8 0.0 104.8



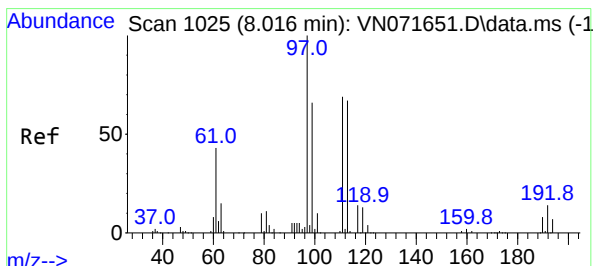
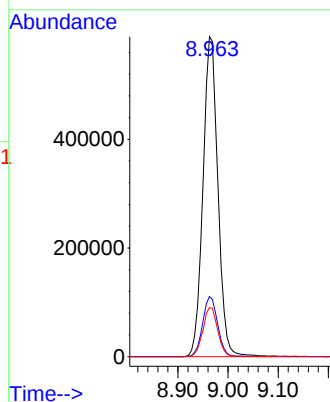
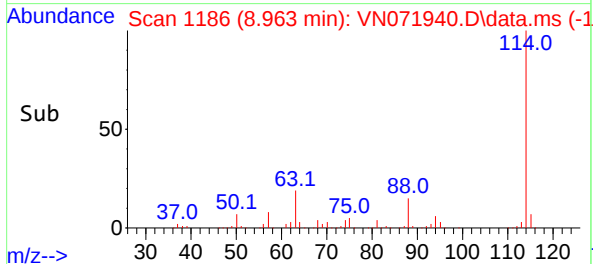


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

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MSVOA_N
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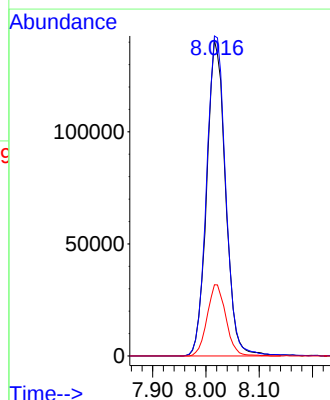
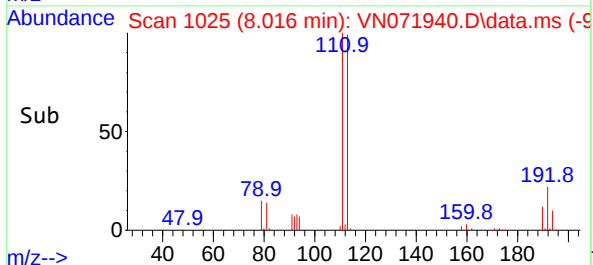
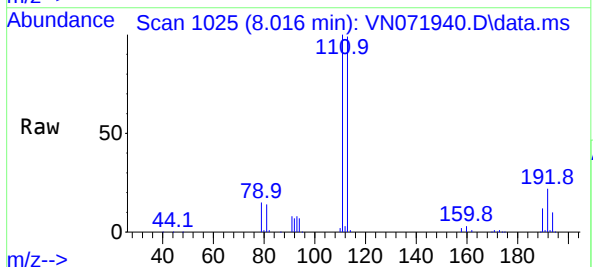


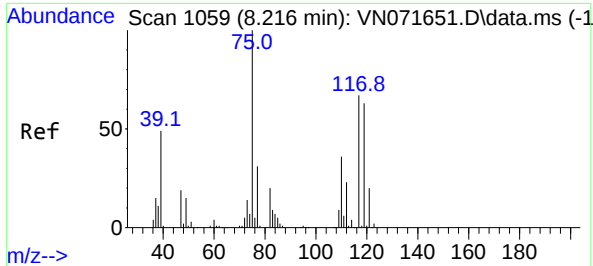
Tgt Ion:114 Resp: 1219793
Ion Ratio Lower Upper
114 100
63 18.8 0.0 40.0
88 15.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.058 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

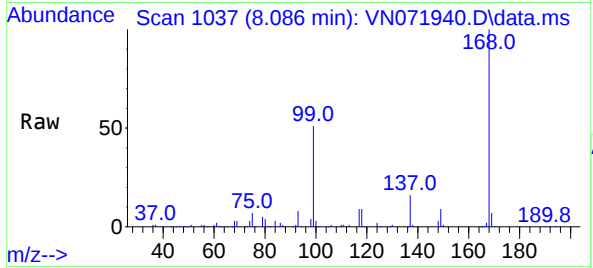
Tgt Ion:113 Resp: 344952
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 22.5 17.0 25.6



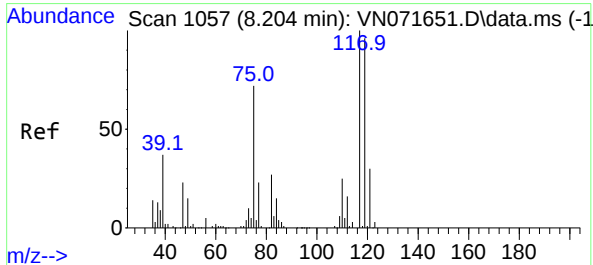
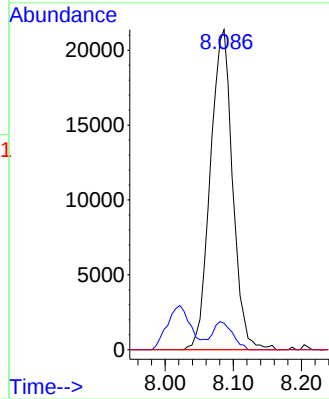
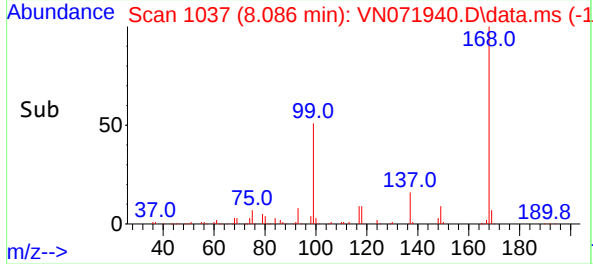


#36
1,1-Dichloropropene
Concen: 4.854 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

Instrument :
MSVOA_N
ClientSampleId :

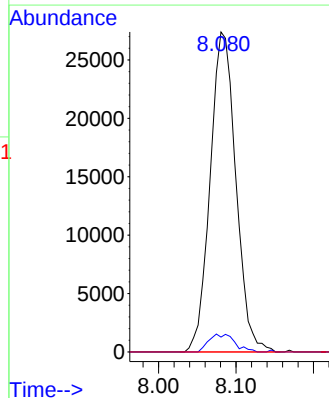
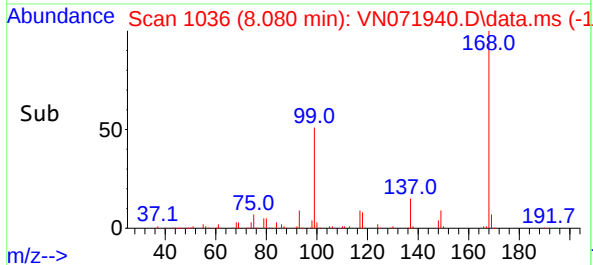
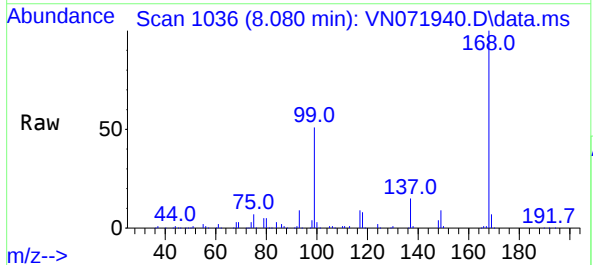


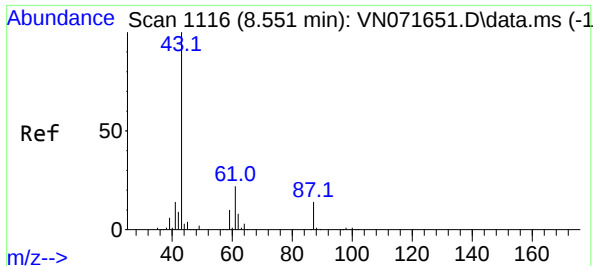
Tgt Ion: 75 Resp: 48658
Ion Ratio Lower Upper
75 100
110 7.5 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.435 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

Tgt Ion: 117 Resp: 63210
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 20.997 ug/l

RT: 8.563 min Scan# 1118

Delta R.T. 0.012 min

Lab File: VN071940.D

Acq: 11 Apr 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

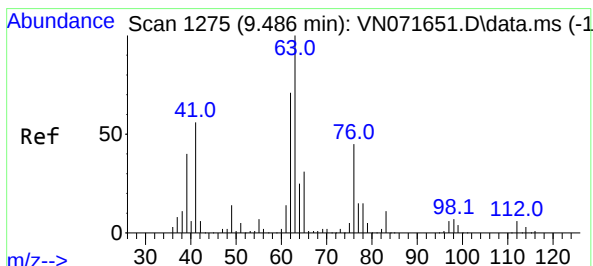
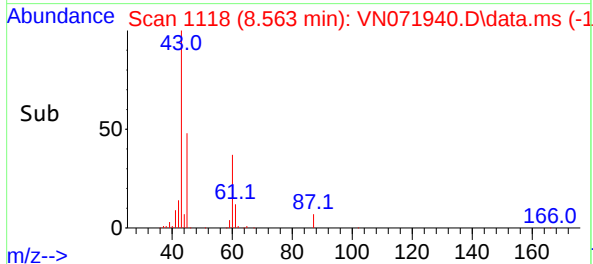
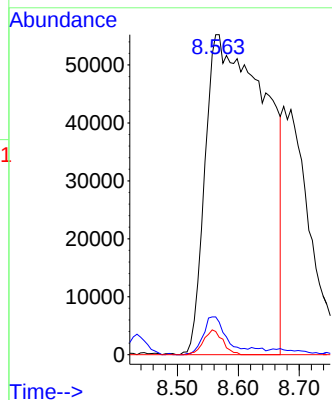
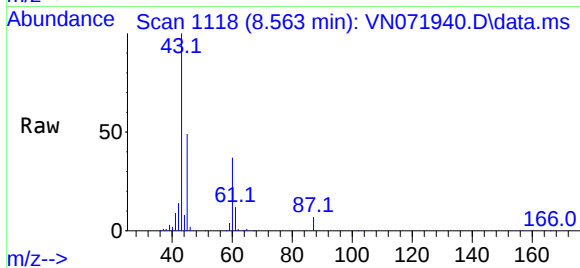
Tgt Ion: 43 Resp: 383153

Ion Ratio Lower Upper

43 100

61 4.5 21.9 32.9#

87 2.4 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.616 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.130 min

Lab File: VN071940.D

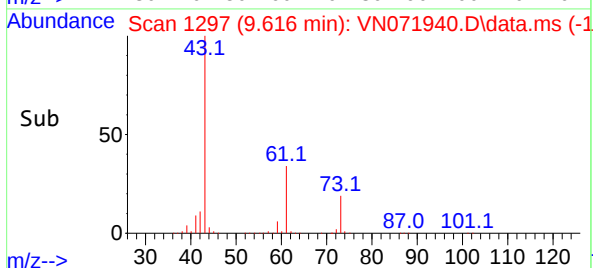
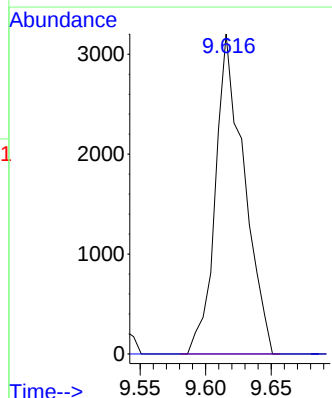
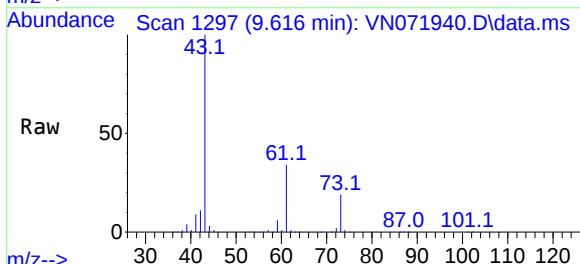
Acq: 11 Apr 2022 16:52

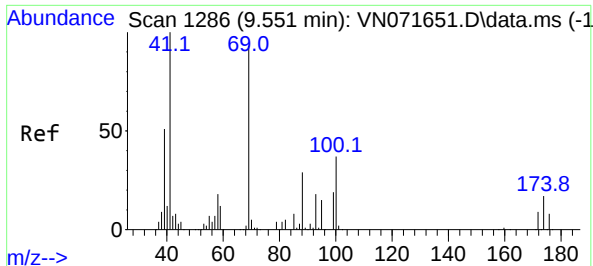
Tgt Ion: 63 Resp: 4870

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.119 ug/l

RT: 9.539 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN071940.D

Acq: 11 Apr 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

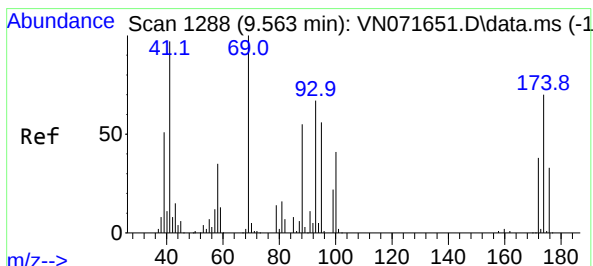
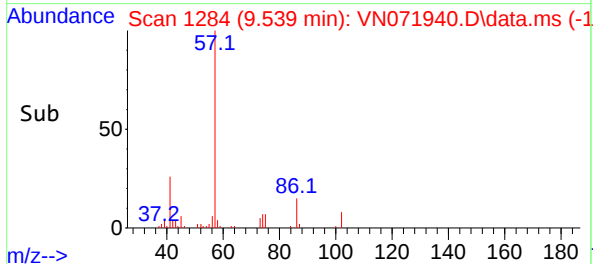
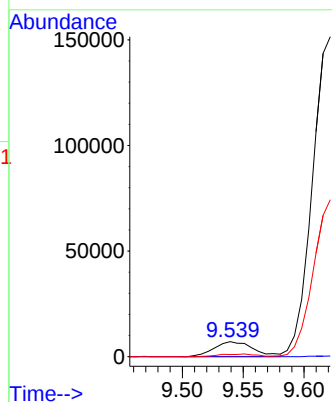
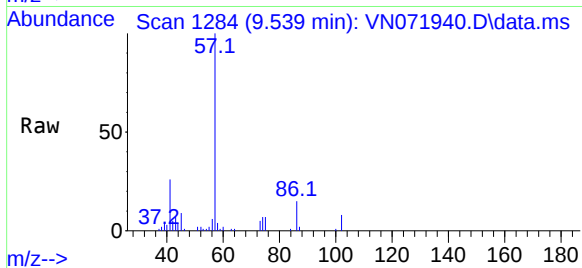
Tgt Ion: 41 Resp: 16045

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.616 min Scan# 1297

Delta R.T. 0.053 min

Lab File: VN071940.D

Acq: 11 Apr 2022 16:52

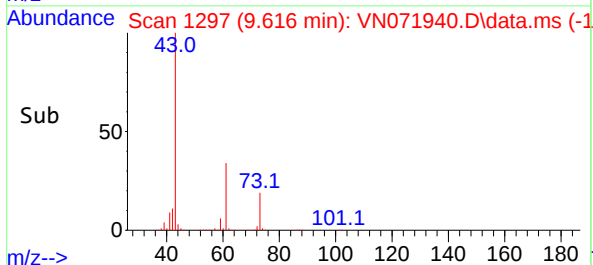
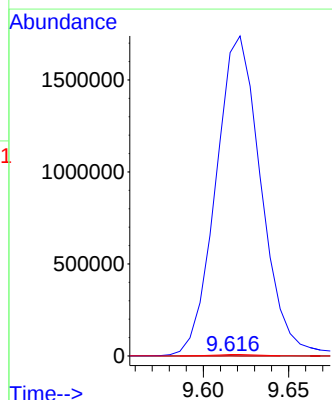
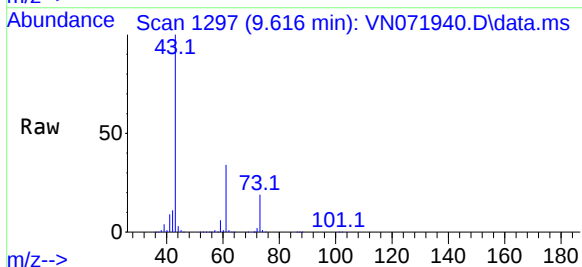
Tgt Ion: 88 Resp: 777

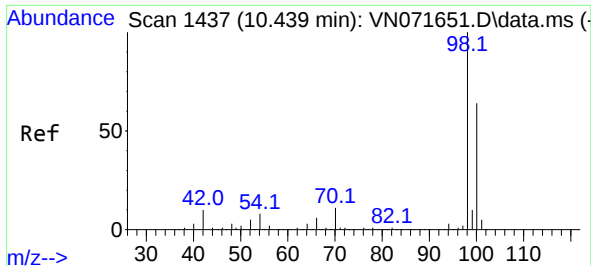
Ion Ratio Lower Upper

88 100

43 420404.9 20.2 30.4#

58 1881.1 54.2 81.4#





#50

Toluene-d8

Concen: 52.714 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071940.D

Acq: 11 Apr 2022 16:52

Instrument :

MSVOA_N

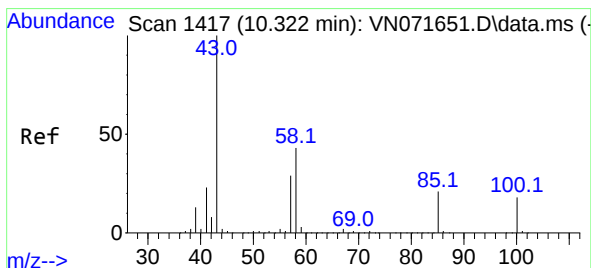
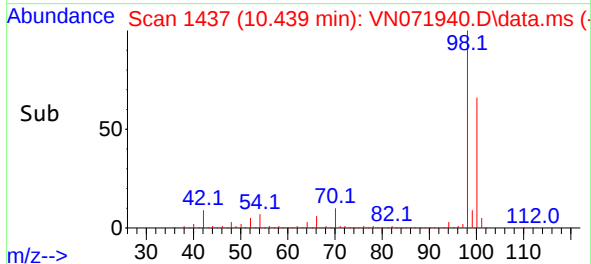
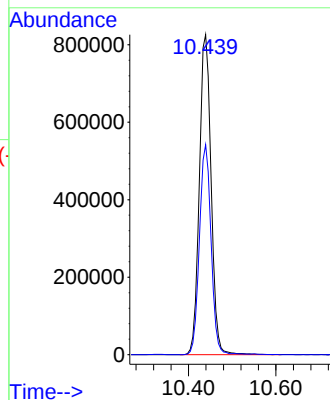
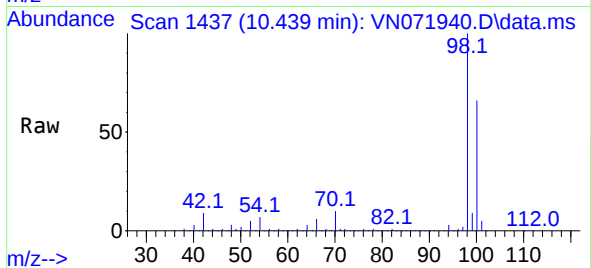
ClientSampleId :

Tgt Ion: 98 Resp: 1547820

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.028 ug/l

RT: 10.333 min Scan# 1419

Delta R.T. 0.011 min

Lab File: VN071940.D

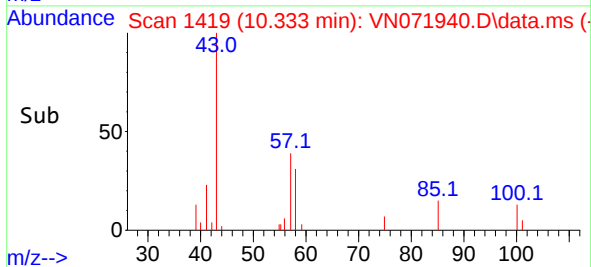
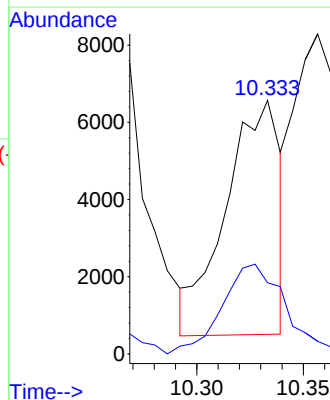
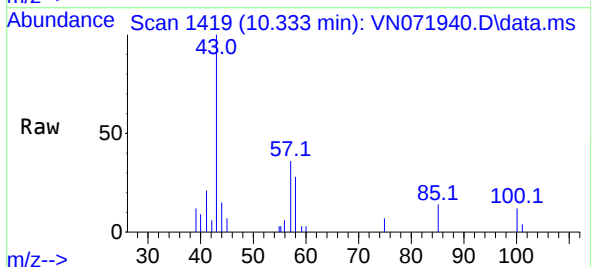
Acq: 11 Apr 2022 16:52

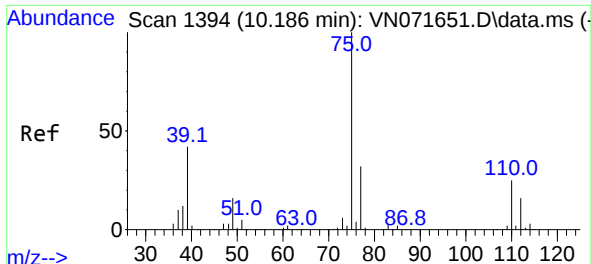
Tgt Ion: 43 Resp: 10786

Ion Ratio Lower Upper

43 100

58 45.3 34.1 51.1

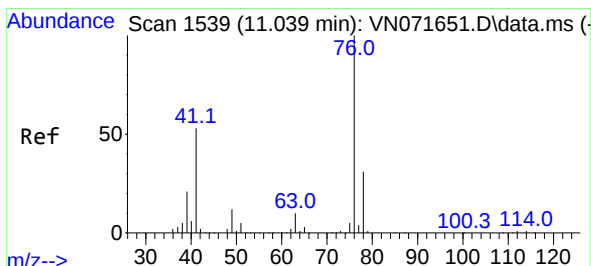
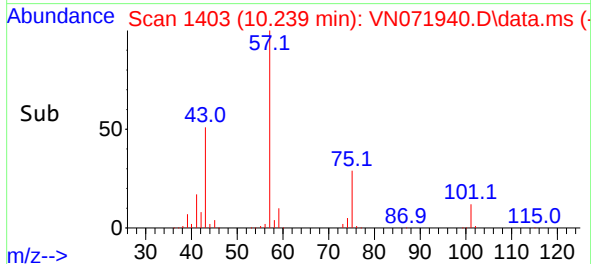
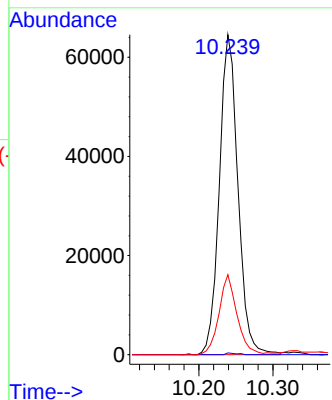
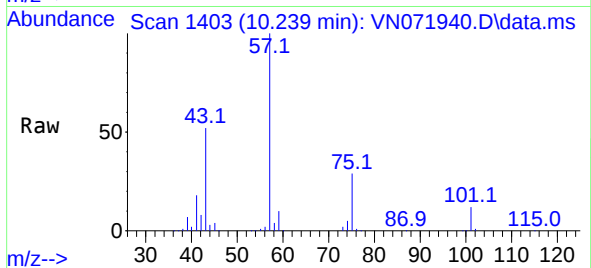




#54
 cis-1,3-Dichloropropene
 Concen: 9.184 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071940.D
 Acq: 11 Apr 2022 16:52

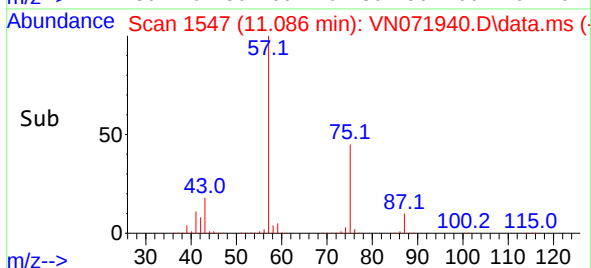
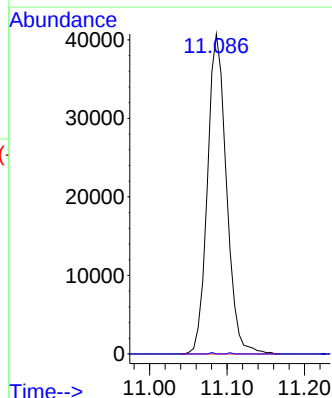
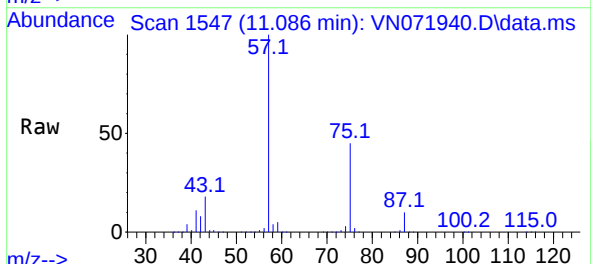
Instrument :
 MSVOA_N
 ClientSampleId :

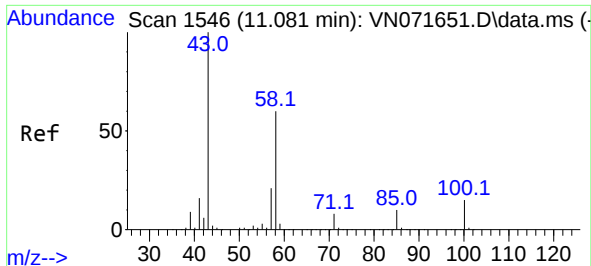
Tgt Ion: 75 Resp: 112436
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 25.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 5.044 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071940.D
 Acq: 11 Apr 2022 16:52

Tgt Ion: 76 Resp: 69468
 Ion Ratio Lower Upper
 76 100
 78 0.1 26.2 39.2#

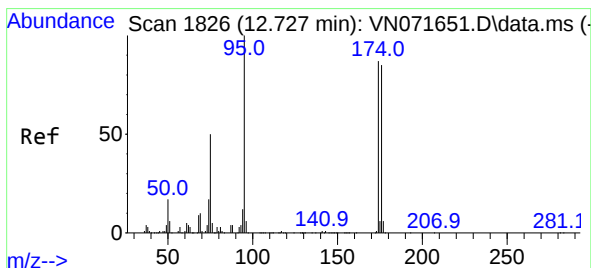
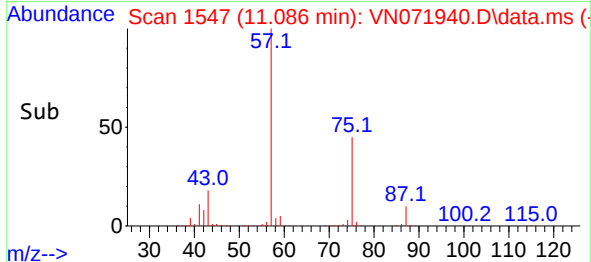
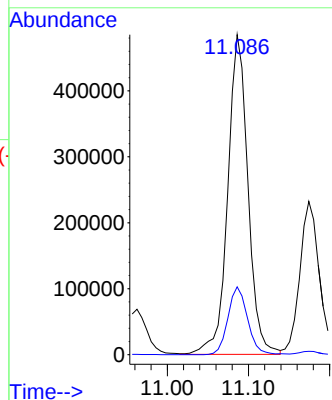
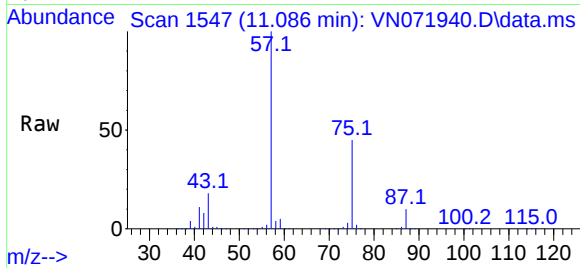




#59
2-Hexanone
Concen: 113.775 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

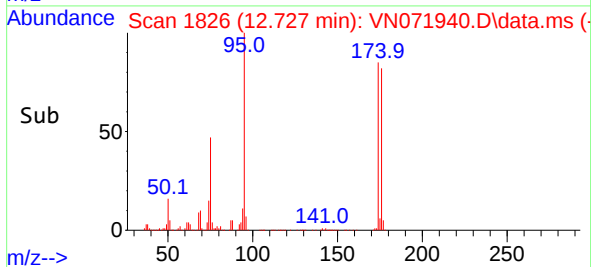
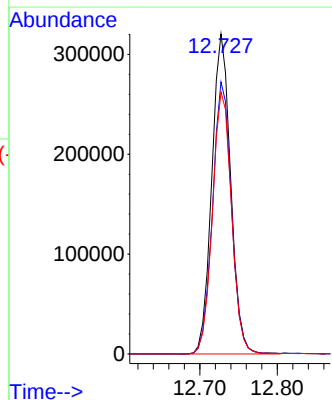
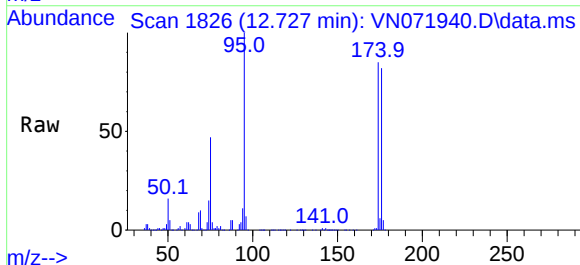
Instrument :
MSVOA_N
ClientSampleId :

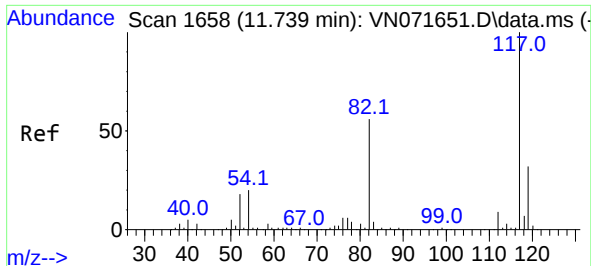
Tgt Ion: 43 Resp: 840424
Ion Ratio Lower Upper
43 100
58 20.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 56.967 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

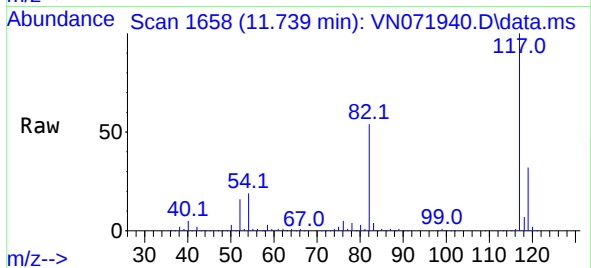
Tgt Ion: 95 Resp: 540982
Ion Ratio Lower Upper
95 100
174 85.4 0.0 167.6
176 82.9 0.0 163.4



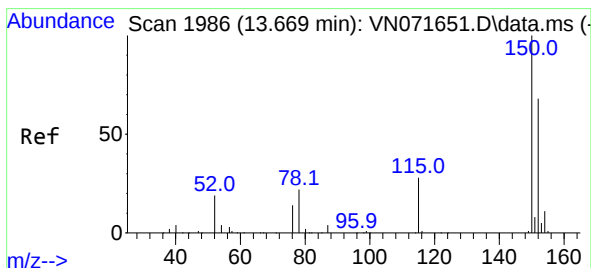
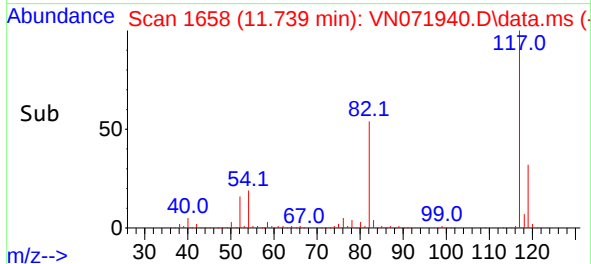
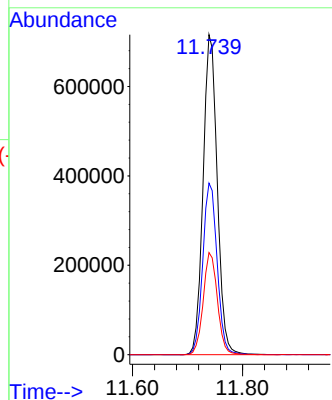


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

Instrument :
MSVOA_N
ClientSampleId :

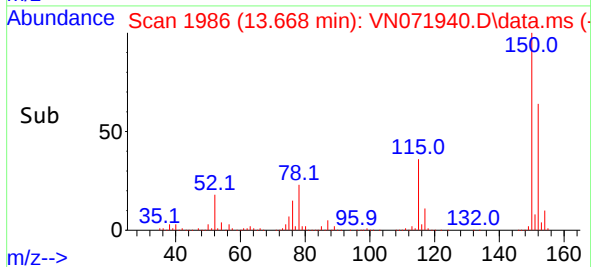
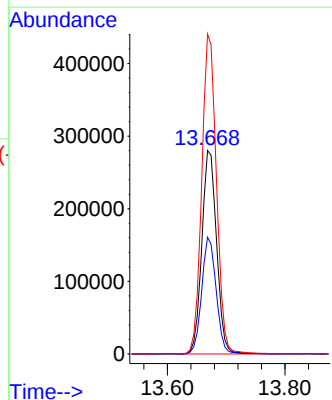
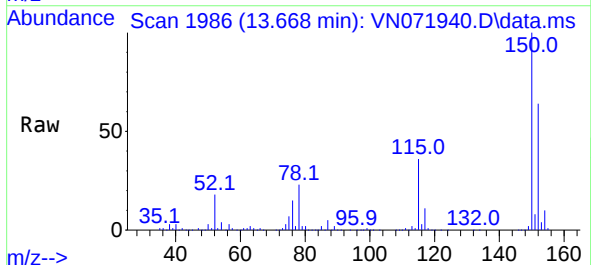


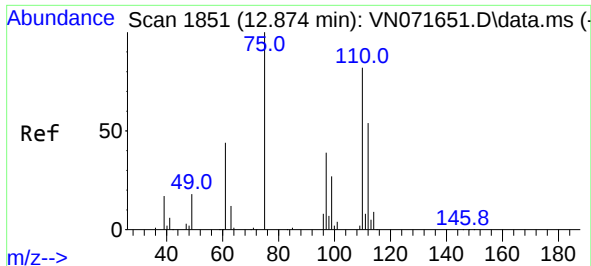
Tgt Ion:117 Resp: 1280953
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

Tgt Ion:152 Resp: 488888
Ion Ratio Lower Upper
152 100
115 56.0 28.9 86.7
150 155.9 0.0 356.2

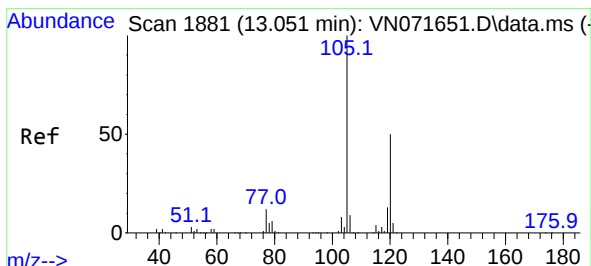
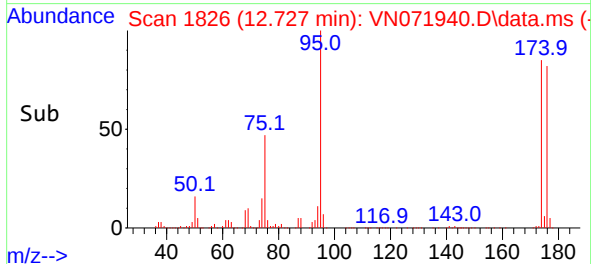
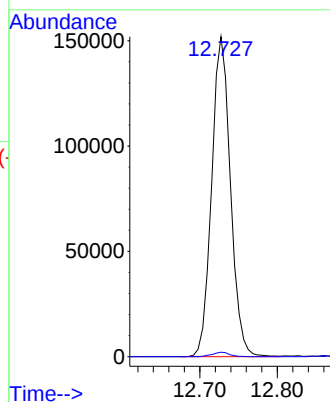
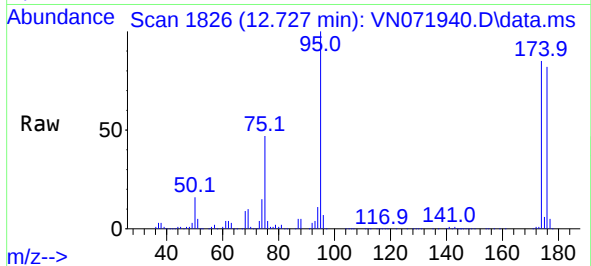




#76
1,2,3-Trichloropropane
Concen: 22.587 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

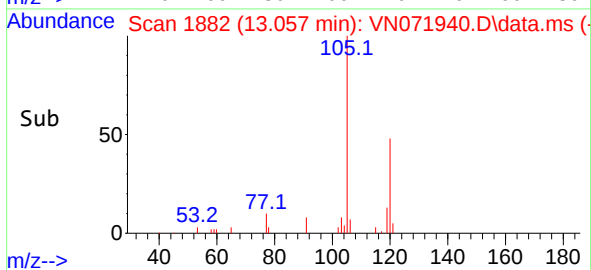
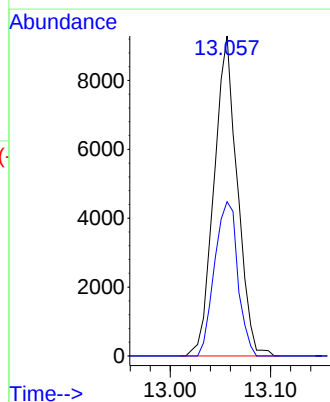
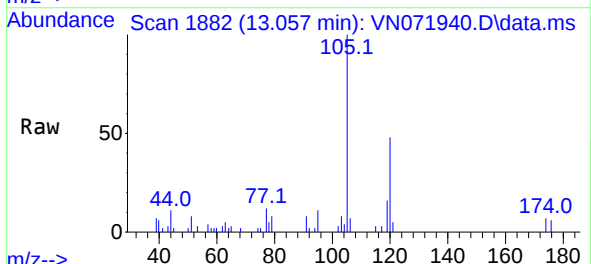
Instrument :
MSVOA_N
ClientSampleId :

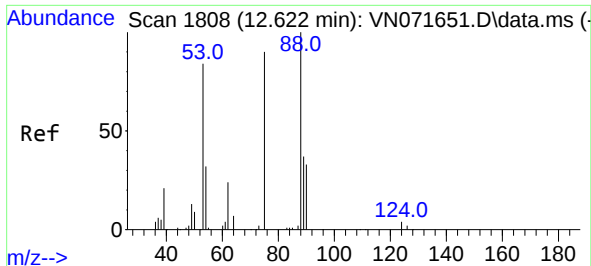
Tgt Ion: 75 Resp: 255806
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.458 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

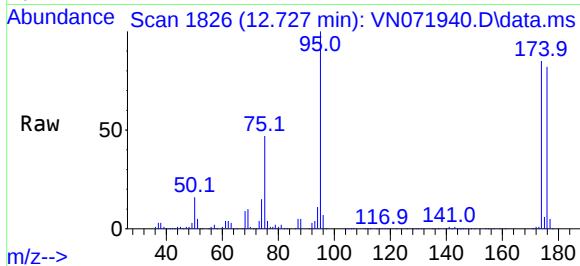
Tgt Ion:105 Resp: 14941
Ion Ratio Lower Upper
105 100
120 48.0 24.9 74.7



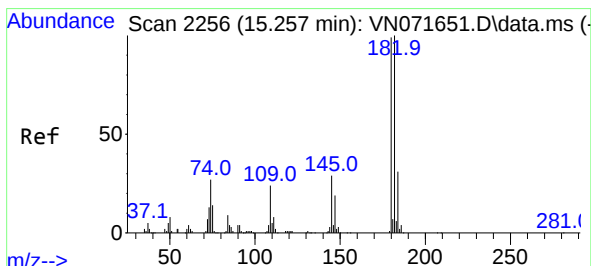
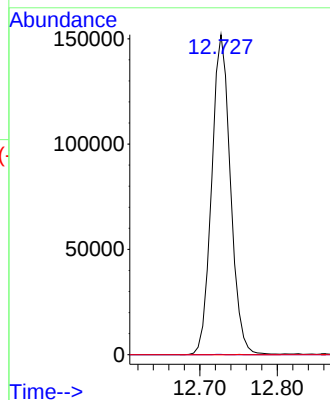
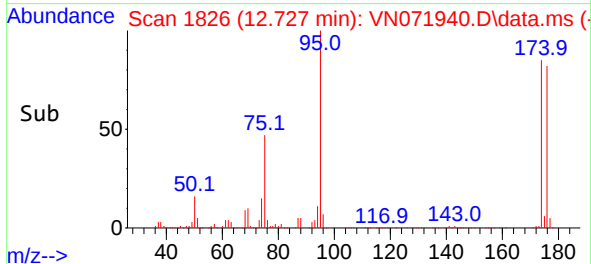


#81
trans-1,4-Dichloro-2-butene
Concen: 69.996 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

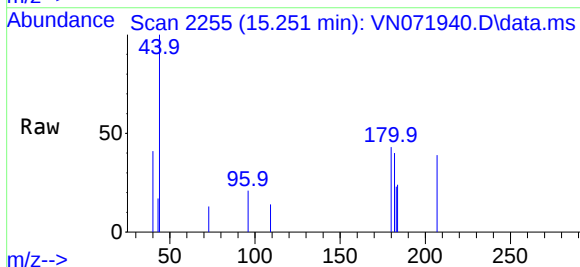
Instrument :
MSVOA_N
ClientSampleId :



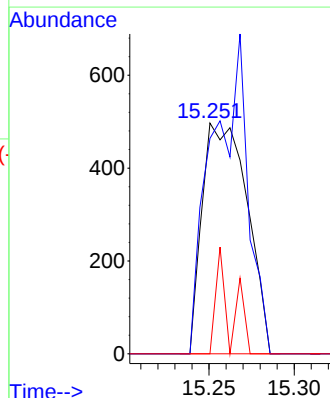
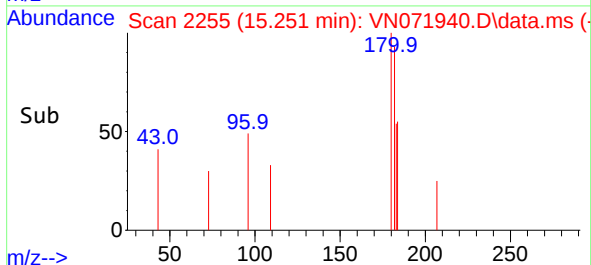
Tgt Ion: 75 Resp: 255806
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

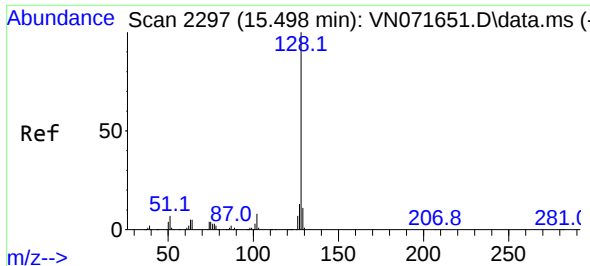


#93
1,2,4-Trichlorobenzene
Concen: 2.198 ug/l
RT: 15.251 min Scan# 2255
Delta R.T. -0.006 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52



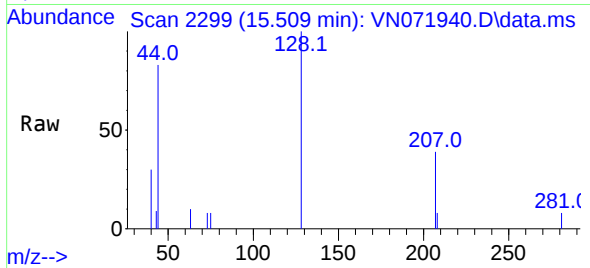
Tgt Ion:180 Resp: 911
Ion Ratio Lower Upper
180 100
182 108.7 47.5 142.5
145 15.3 14.5 43.5



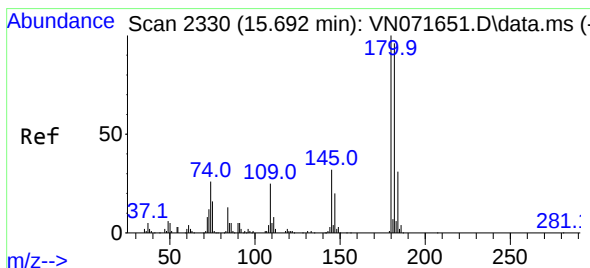
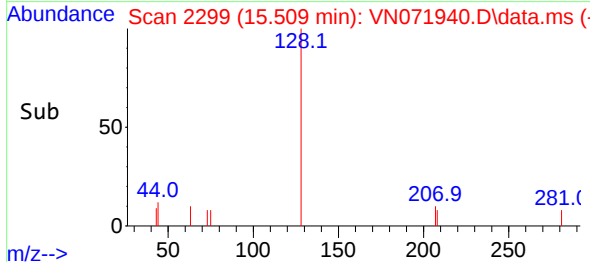
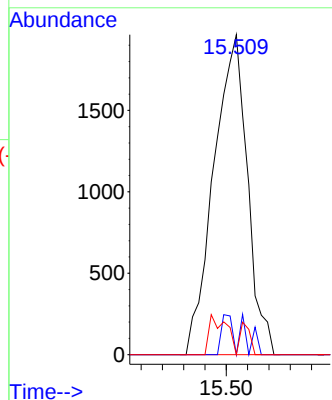


#95
Naphthalene
Concen: 3.982 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 4308
Ion Ratio Lower Upper
128 100
127 4.0 10.3 15.5#
129 2.9 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.562 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071940.D
Acq: 11 Apr 2022 16:52

Tgt Ion:180 Resp: 1171
Ion Ratio Lower Upper
180 100
182 82.7 47.8 143.3
145 34.1 15.5 46.5

