

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071937.D
 Acq On : 11 Apr 2022 15:40
 Operator : JC\MD
 Sample : N2337-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:40:16 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	8.086	168	744207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1268792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1319861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	503523	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	405104	47.682	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.360%
35) Dibromofluoromethane	8.016	113	355919	47.671	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.340%
50) Toluene-d8	10.439	98	1611498	52.763	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.520%
62) 4-Bromofluorobenzene	12.727	95	557329	56.422	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.840%

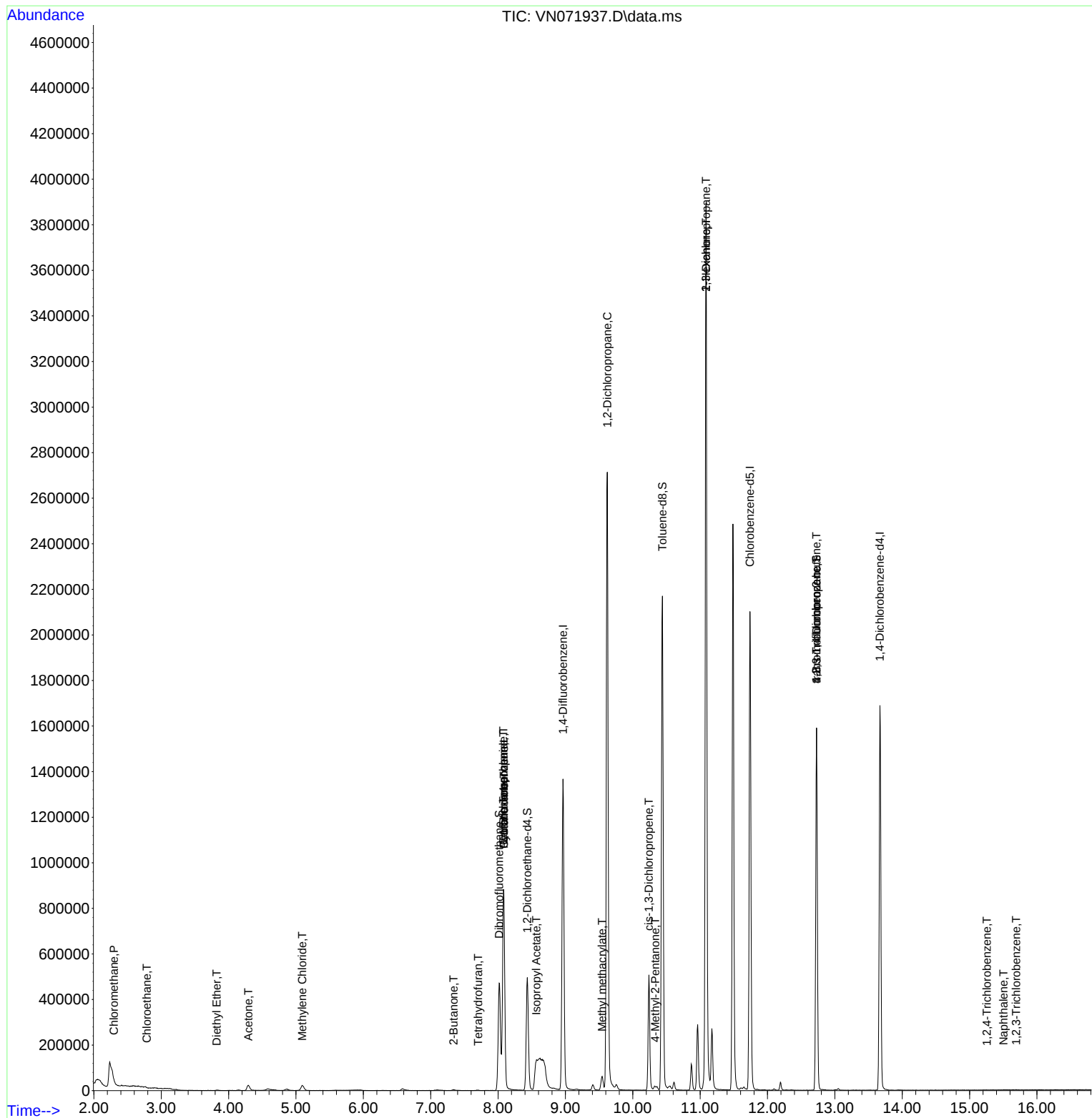
Target Compounds				Qvalue		
3) Chloromethane	2.299	50	2623	0.350	ug/l #	76
6) Chloroethane	2.787	64	2881	0.486	ug/l #	57
8) Diethyl Ether	3.822	74	1241	0.280	ug/l	98
16) Acetone	4.293	43	41536	11.440	ug/l	92
18) Methyl Acetate	4.869	43	13398	Below Cal	#	89
20) Methylene Chloride	5.093	84	18992	2.482	ug/l	97
25) 2-Butanone	7.339	43	6817	1.302	ug/l #	85
29) Tetrahydrofuran	7.704	42	1180	0.348	ug/l #	82
31) Cyclohexane	8.086	56	11995	1.038	ug/l #	3
36) 1,1-Dichloropropene	8.081	75	48555	4.657	ug/l #	49
38) Carbon Tetrachloride	8.081	117	65172	6.378	ug/l #	16
43) Isopropyl Acetate	8.569	43	170426	8.979	ug/l #	70
45) 1,2-Dichloropropane	9.622	63	3777	0.459	ug/l #	44
48) Methyl methacrylate	9.545	41	15736	1.998	ug/l #	11
49) 1,4-Dioxane	9.616	88	321	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.333	43	11165	1.023	ug/l	96
54) cis-1,3-Dichloropropene	10.239	75	102549	8.053	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	44895	3.134	ug/l #	42
59) 2-Hexanone	11.086	43	560755	72.982	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	270065	23.153	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	270065	71.750	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	354	2.128	ug/l #	55
95) Naphthalene	15.504	128	1855	3.878	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.692	180	462	2.471	ug/l #	80

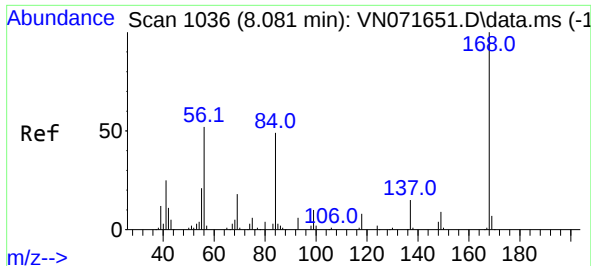
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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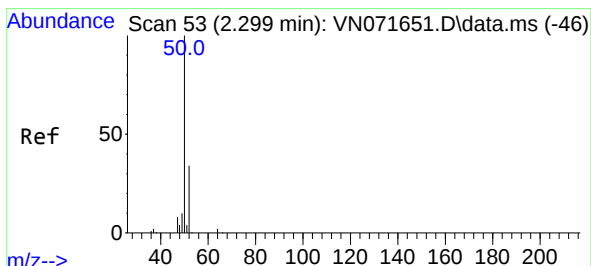
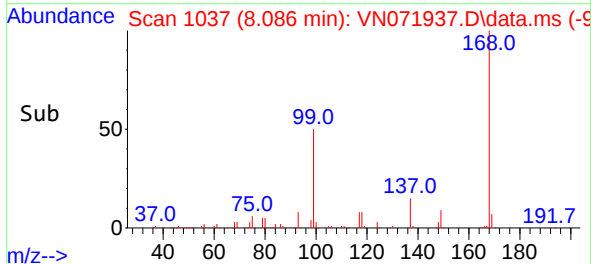
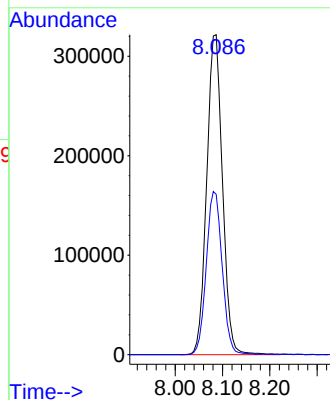
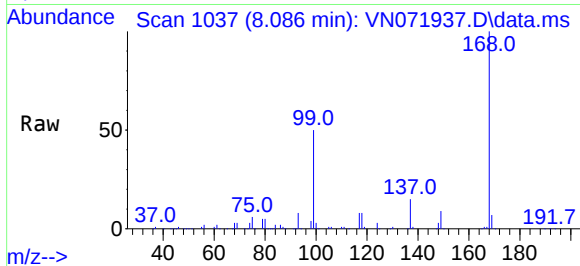




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

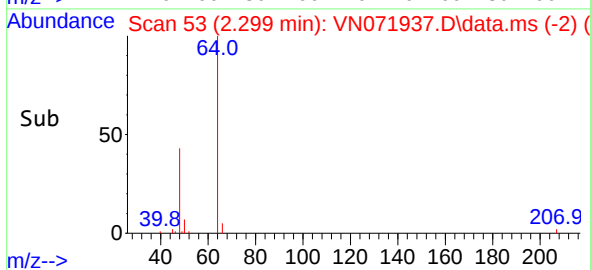
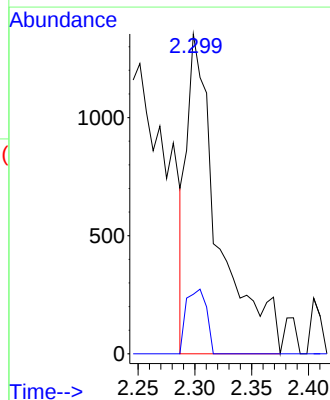
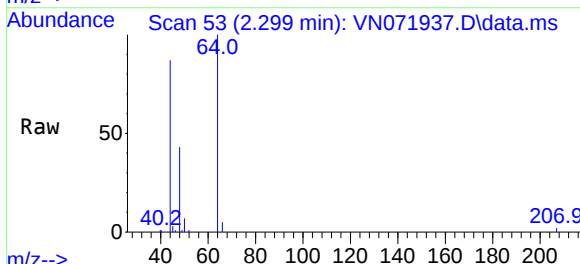
Instrument :
MSVOA_N
ClientSampleId :

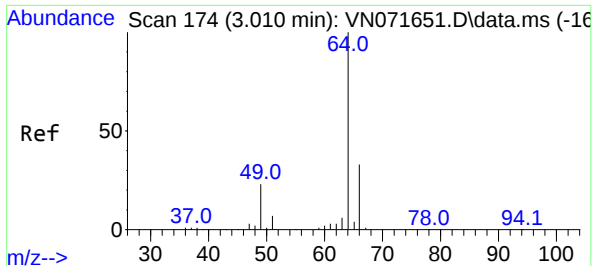
Tgt Ion:168 Resp: 744207
Ion Ratio Lower Upper
168 100
99 50.1 42.3 63.5



#3
Chloromethane
Concen: 0.350 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

Tgt Ion: 50 Resp: 2623
Ion Ratio Lower Upper
50 100
52 18.6 25.7 38.5#

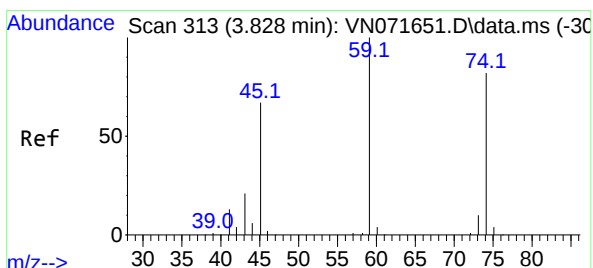
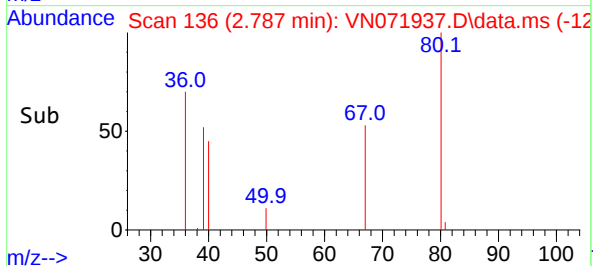
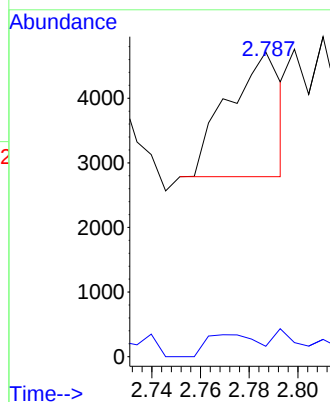
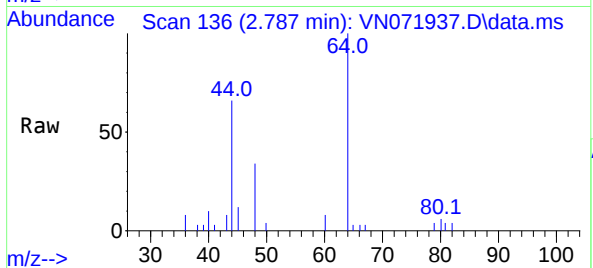




#6
Chloroethane
Concen: 0.486 ug/l
RT: 2.787 min Scan# 11
Delta R.T. -0.223 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

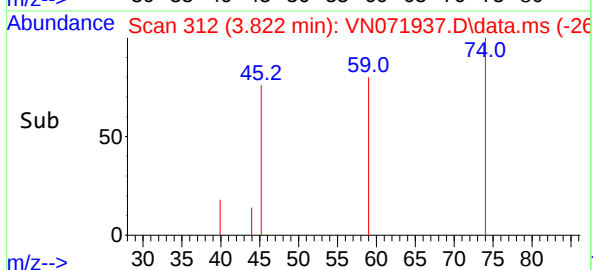
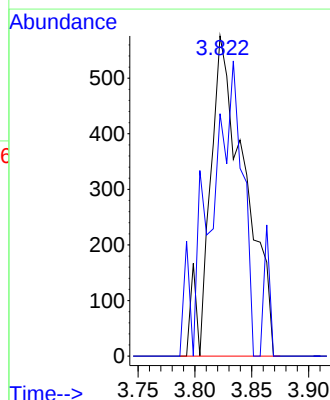
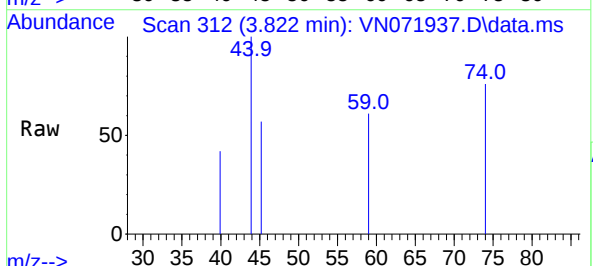
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 64 Resp: 2881
Ion Ratio Lower Upper
64 100
66 8.3 26.2 39.4#



#8
Diethyl Ether
Concen: 0.280 ug/l
RT: 3.822 min Scan# 312
Delta R.T. -0.006 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

Tgt Ion: 74 Resp: 1241
Ion Ratio Lower Upper
74 100
45 83.9 42.9 128.5

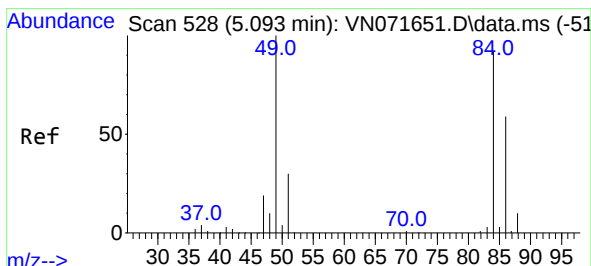
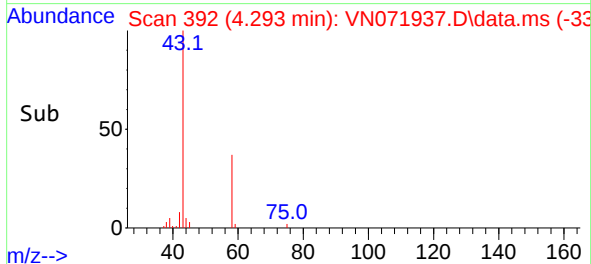
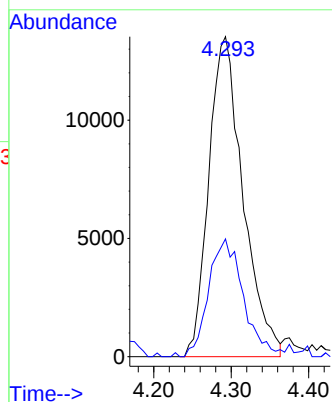
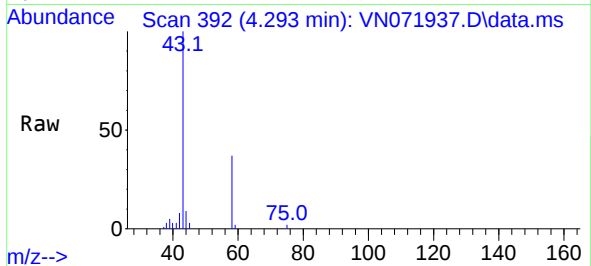




#16
Acetone
Concen: 11.440 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

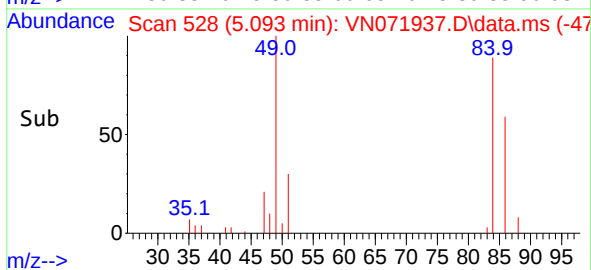
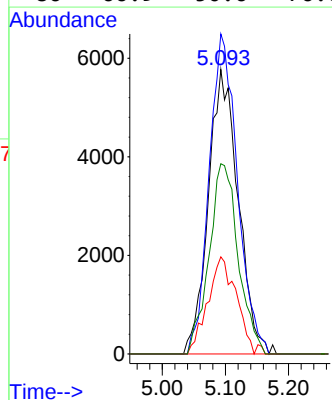
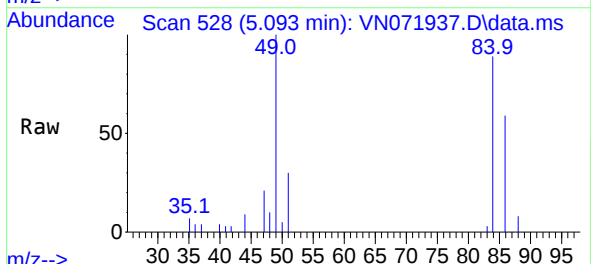
Instrument :
MSVOA_N
ClientSampleId :

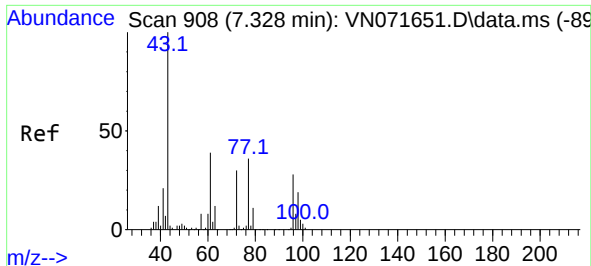
Tgt Ion: 43 Resp: 41536
Ion Ratio Lower Upper
43 100
58 36.8 26.0 39.0



#20
Methylene Chloride
Concen: 2.482 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

Tgt Ion: 84 Resp: 18992
Ion Ratio Lower Upper
84 100
49 112.5 88.3 132.5
51 34.1 28.2 42.2
86 66.9 50.6 76.0

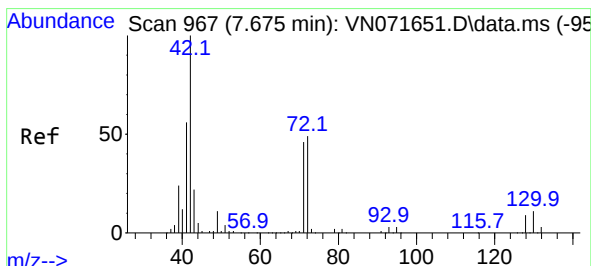
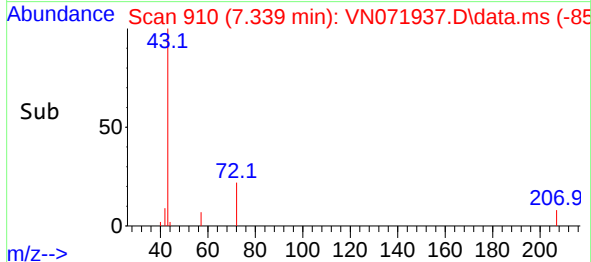
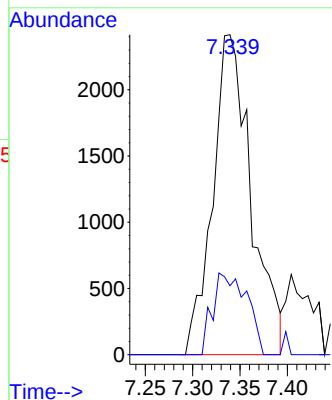
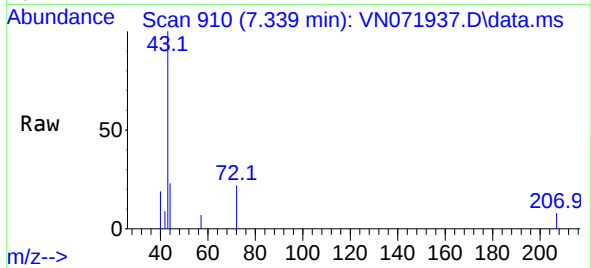




#25
2-Butanone
Concen: 1.302 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

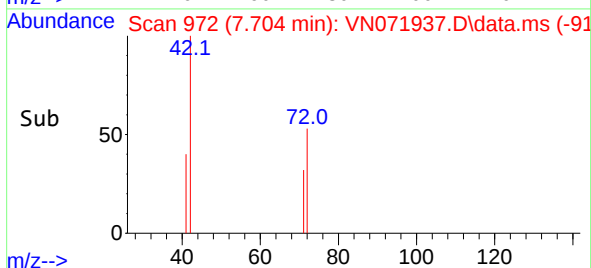
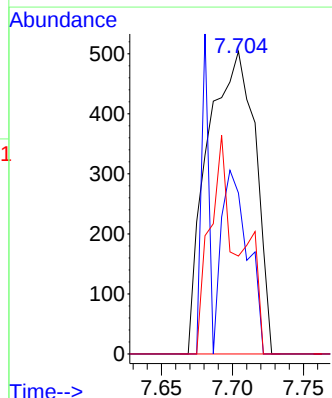
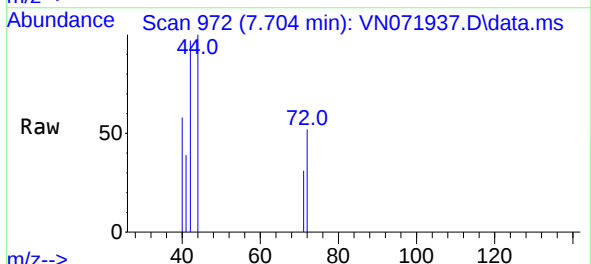
Instrument :
MSVOA_N
ClientSampleId :

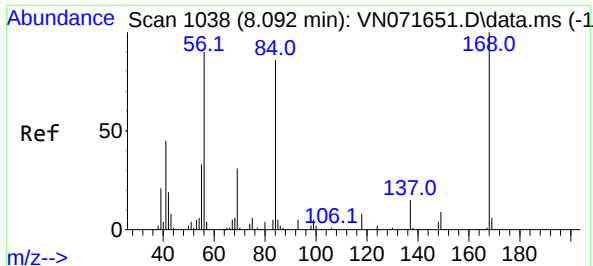
Tgt Ion: 43 Resp: 6817
Ion Ratio Lower Upper
43 100
72 21.6 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.348 ug/l
RT: 7.704 min Scan# 972
Delta R.T. 0.029 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

Tgt Ion: 42 Resp: 1180
Ion Ratio Lower Upper
42 100
72 26.9 39.7 59.5#
71 44.7 36.6 55.0





#31

Cyclohexane

Concen: 1.038 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.006 min

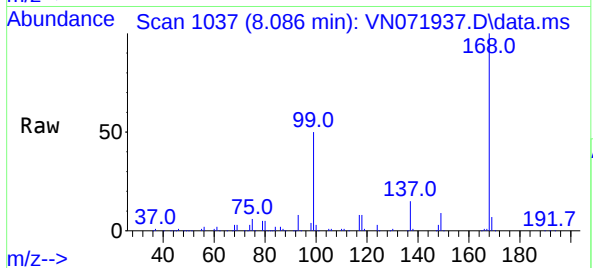
Lab File: VN071937.D

Acq: 11 Apr 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :



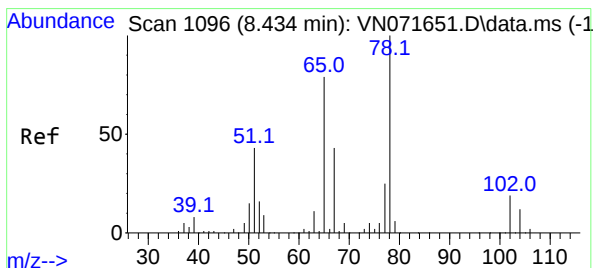
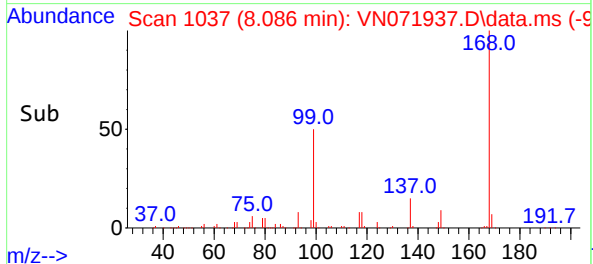
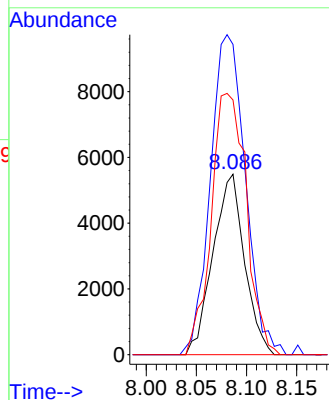
Tgt Ion: 56 Resp: 11995

Ion Ratio Lower Upper

56 100

69 171.9 27.8 41.8#

84 141.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.682 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071937.D

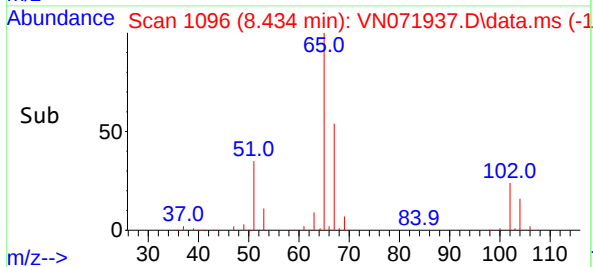
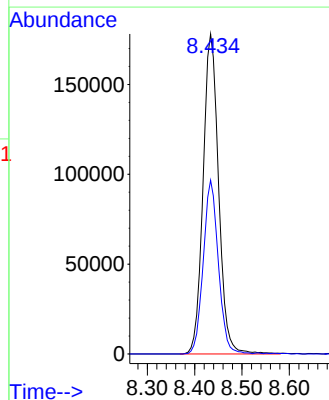
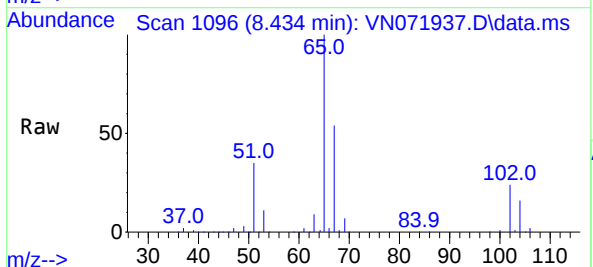
Acq: 11 Apr 2022 15:40

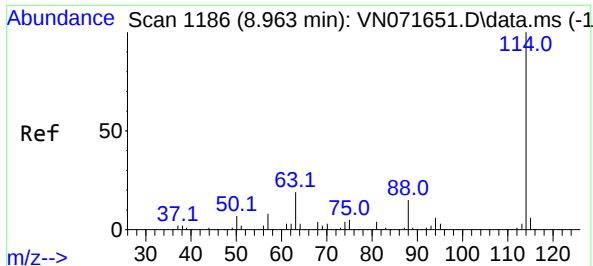
Tgt Ion: 65 Resp: 405104

Ion Ratio Lower Upper

65 100

67 52.7 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: VN071937.D

Acq: 11 Apr 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

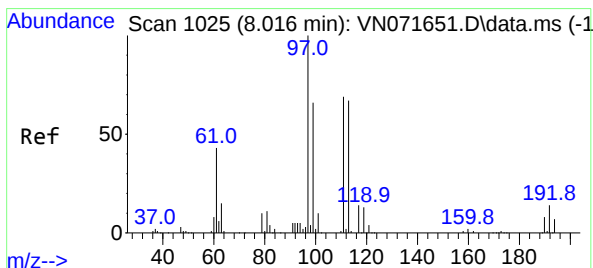
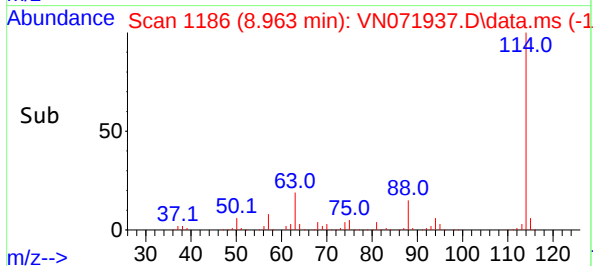
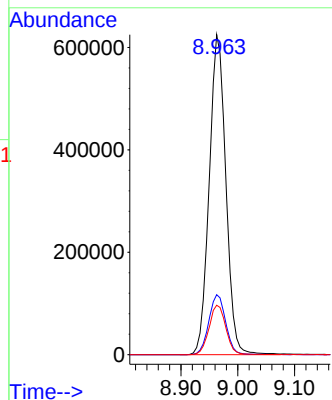
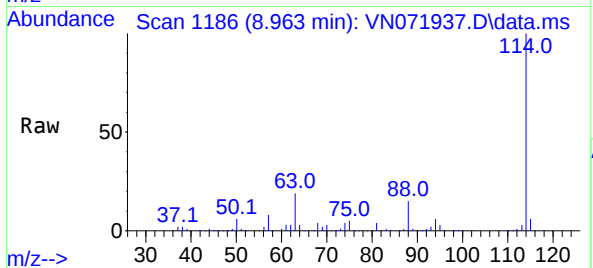
Tgt Ion:114 Resp: 1268792

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.671 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN071937.D

Acq: 11 Apr 2022 15:40

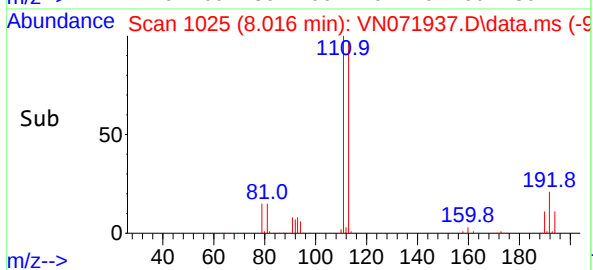
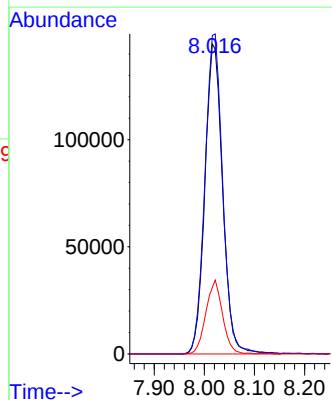
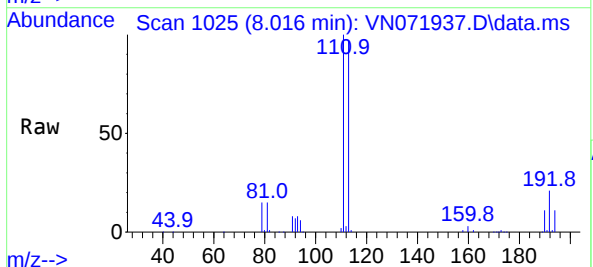
Tgt Ion:113 Resp: 355919

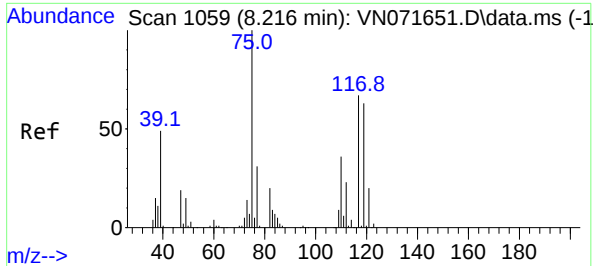
Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 22.4 17.0 25.6

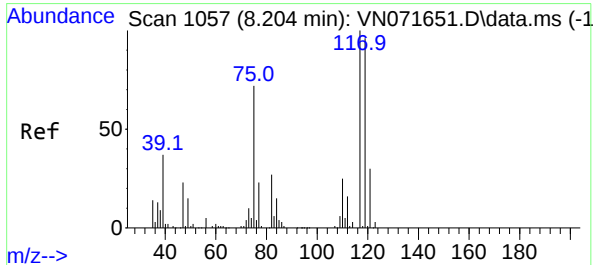
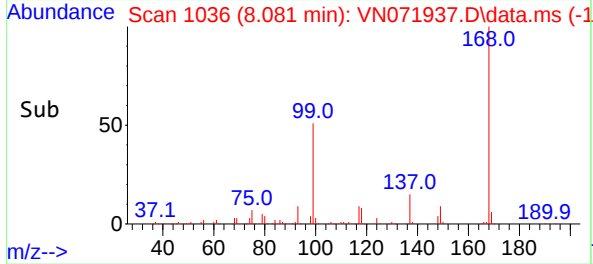
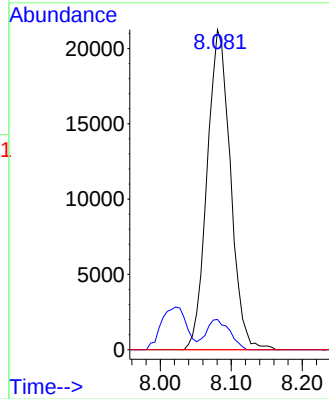
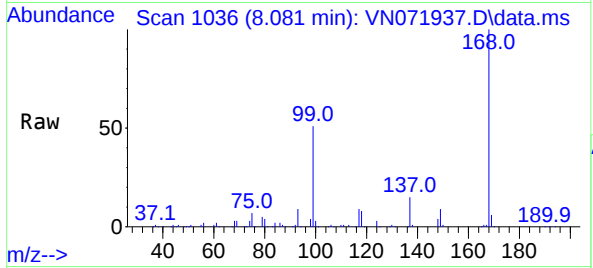




#36
1,1-Dichloropropene
Concen: 4.657 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

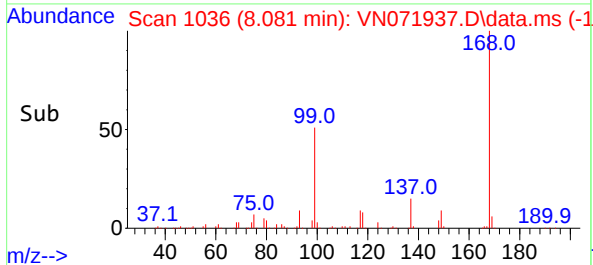
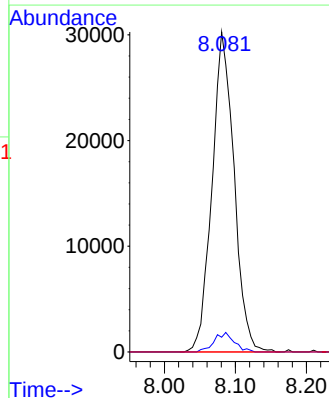
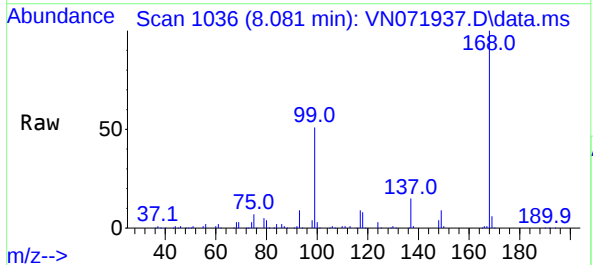
Instrument :
MSVOA_N
ClientSampleId :

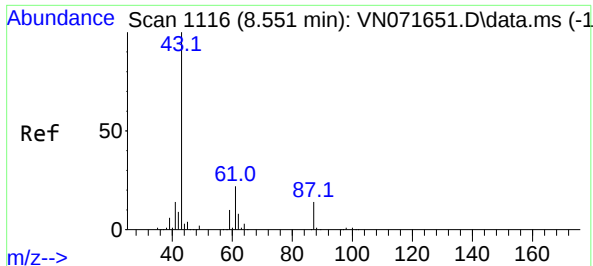
Tgt Ion: 75 Resp: 48555
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.378 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

Tgt Ion: 117 Resp: 65172
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 8.979 ug/l

RT: 8.569 min Scan# 1116

Delta R.T. 0.018 min

Lab File: VN071937.D

Acq: 11 Apr 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

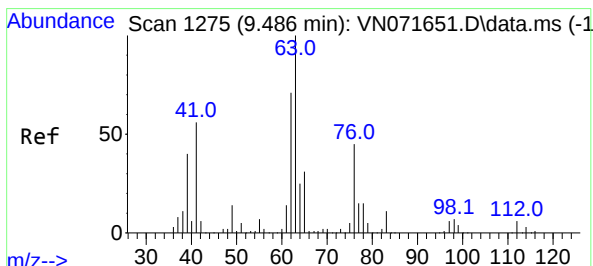
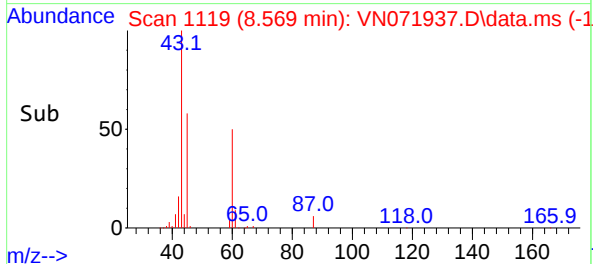
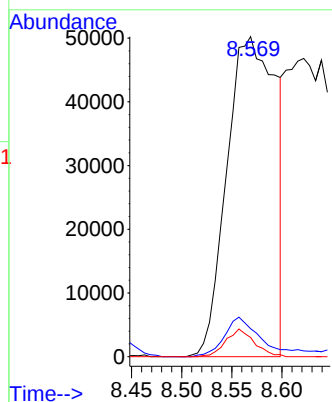
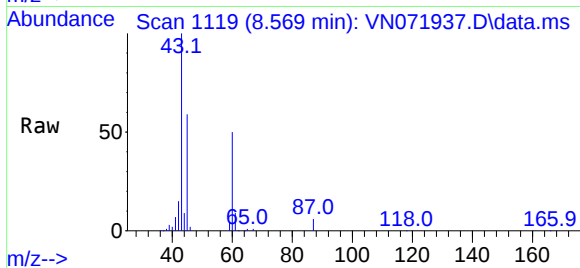
Tgt Ion: 43 Resp: 170426

Ion Ratio Lower Upper

43 100

61 9.9 21.9 32.9#

87 5.0 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.459 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN071937.D

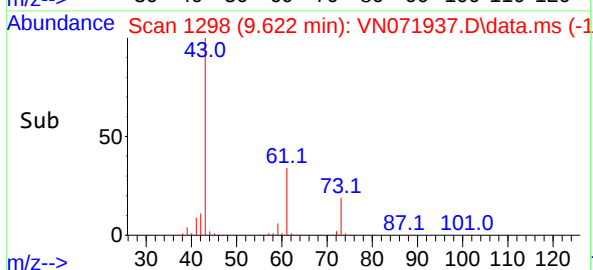
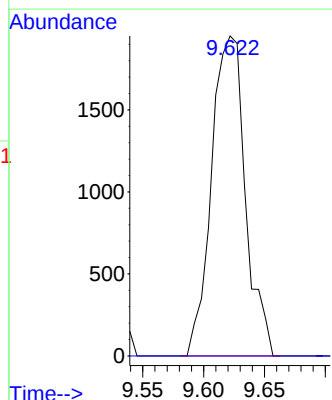
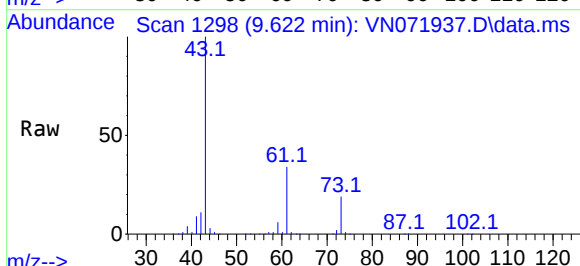
Acq: 11 Apr 2022 15:40

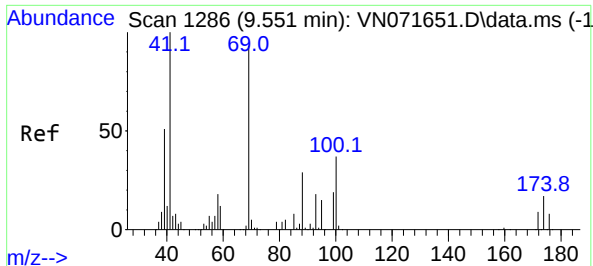
Tgt Ion: 63 Resp: 3777

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.998 ug/l

RT: 9.545 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN071937.D

Acq: 11 Apr 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

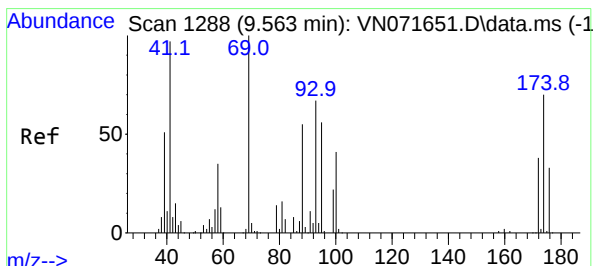
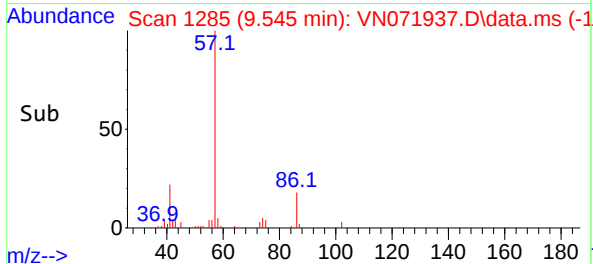
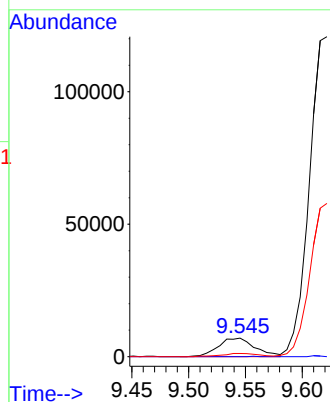
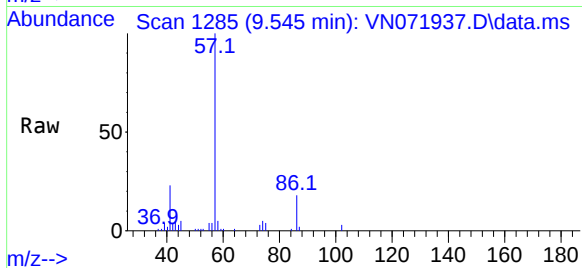
Tgt Ion: 41 Resp: 15736

Ion Ratio Lower Upper

41 100

69 0.4 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: VN071937.D

Acq: 11 Apr 2022 15:40

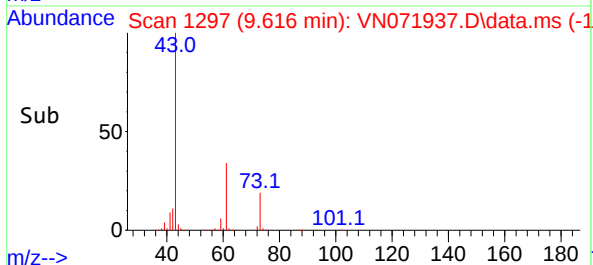
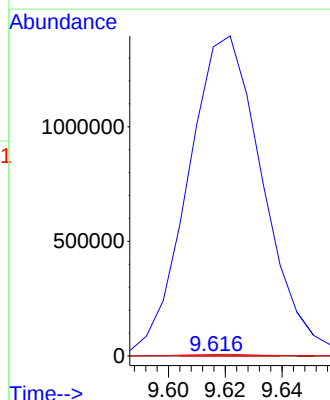
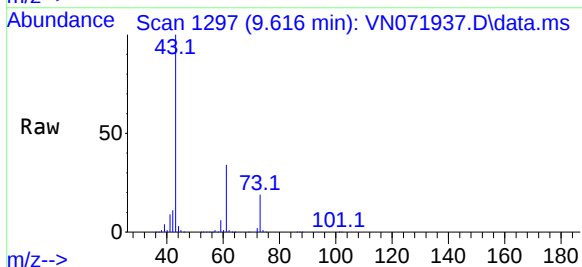
Tgt Ion: 88 Resp: 321

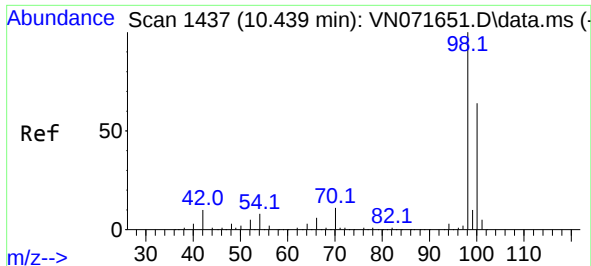
Ion Ratio Lower Upper

88 100

43 820043.0 20.2 30.4#

58 3931.2 54.2 81.4#

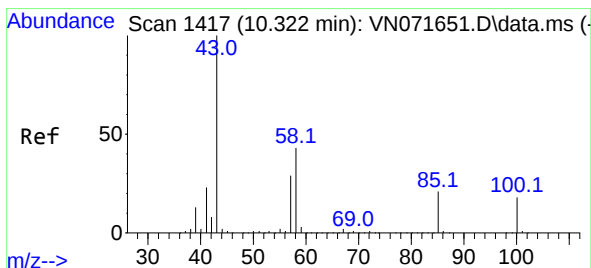
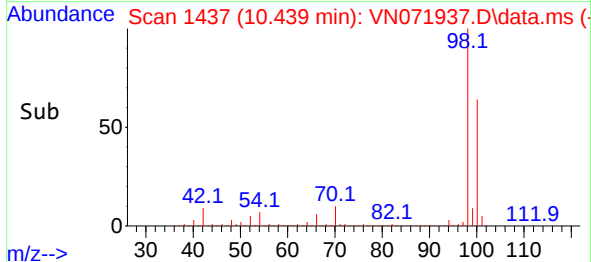
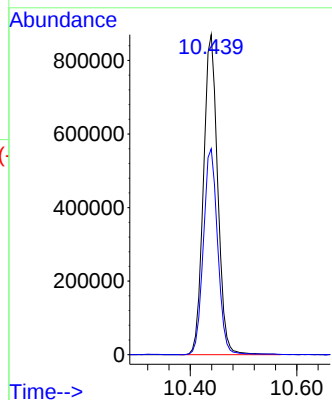
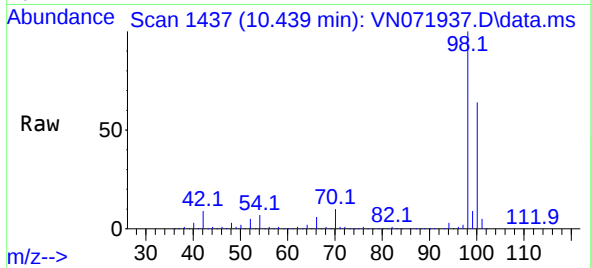




#50
Toluene-d8
Concen: 52.763 ug/l
RT: 10.439 min Scan# 1419
Delta R.T. 0.000 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

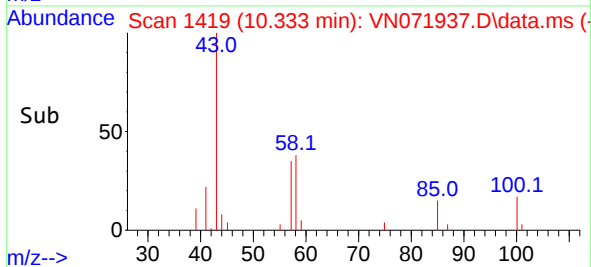
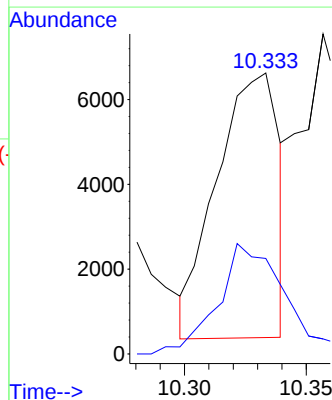
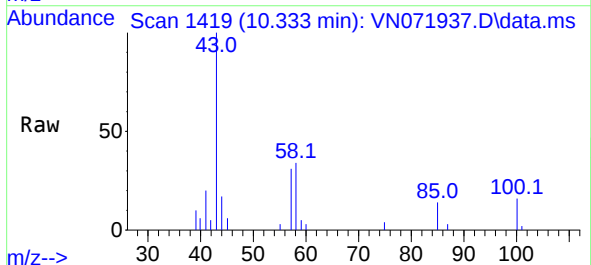
Instrument :
MSVOA_N
ClientSampleId :

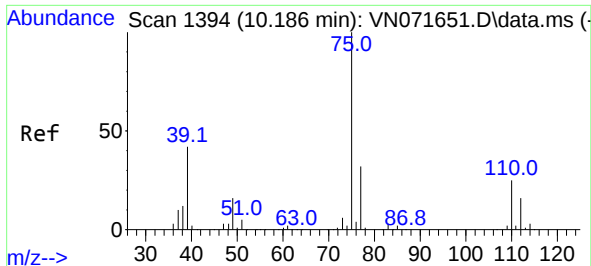
Tgt Ion: 98 Resp: 1611498
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.023 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.011 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

Tgt Ion: 43 Resp: 11165
Ion Ratio Lower Upper
43 100
58 45.2 34.1 51.1

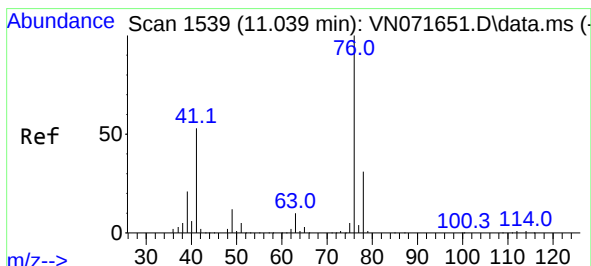
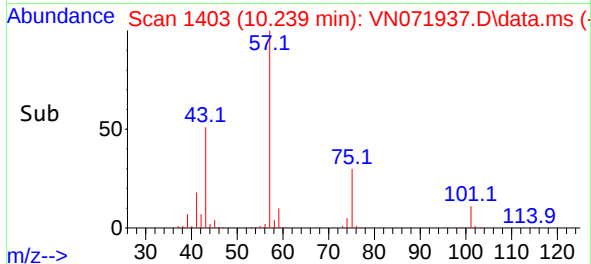
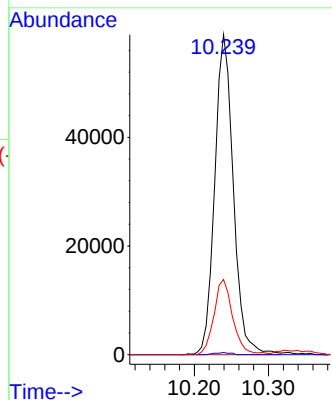
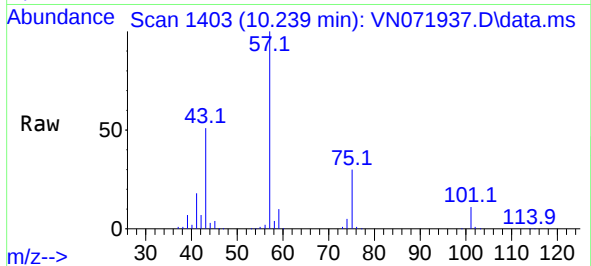




#54
cis-1,3-Dichloropropene
Concen: 8.053 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

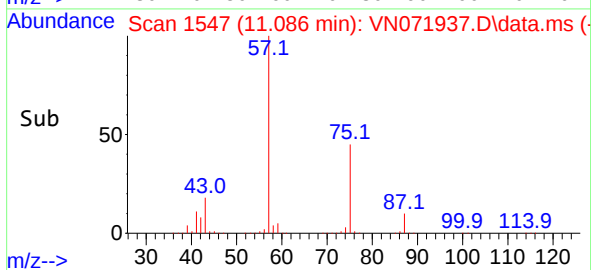
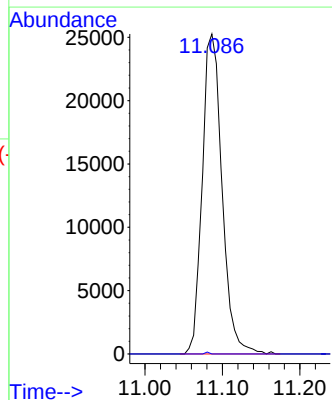
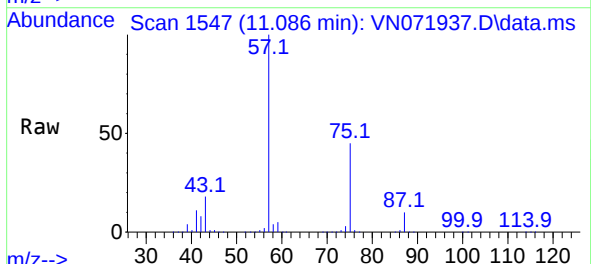
Instrument :
MSVOA_N
ClientSampleId :

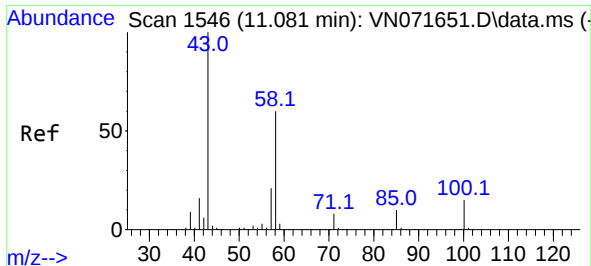
Tgt Ion: 75 Resp: 102549
Ion Ratio Lower Upper
75 100
77 0.7 25.2 37.8#
39 23.5 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 3.134 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

Tgt Ion: 76 Resp: 44895
Ion Ratio Lower Upper
76 100
78 0.1 26.2 39.2#

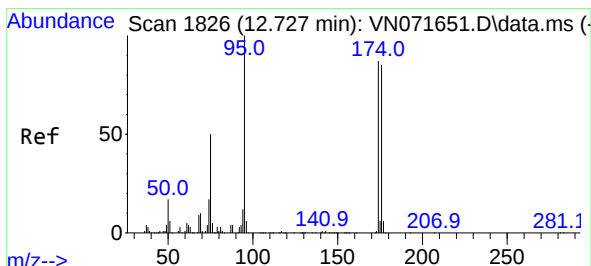
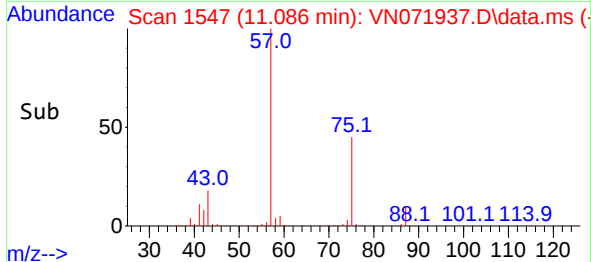
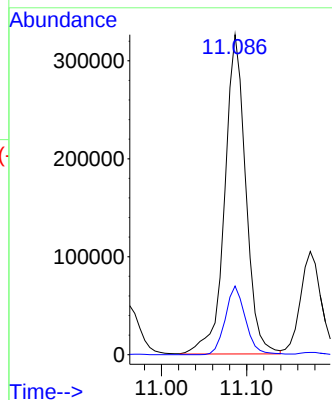
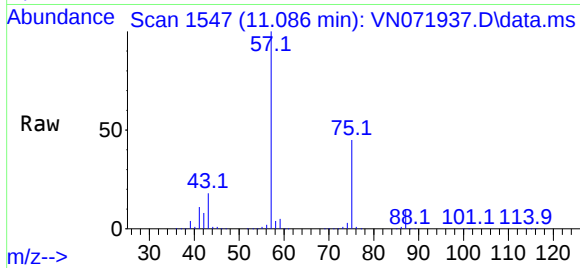




#59
2-Hexanone
Concen: 72.982 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

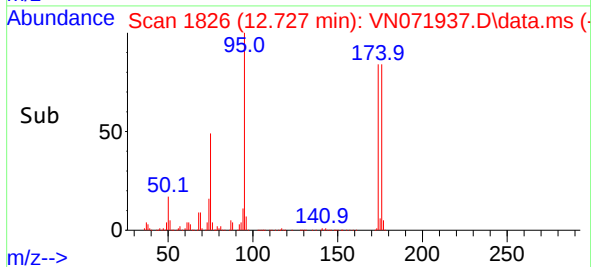
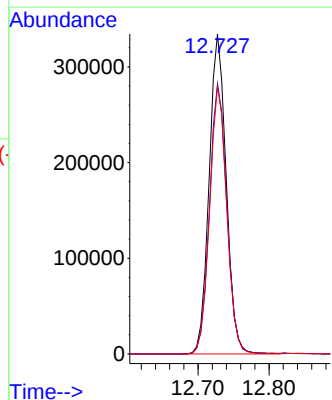
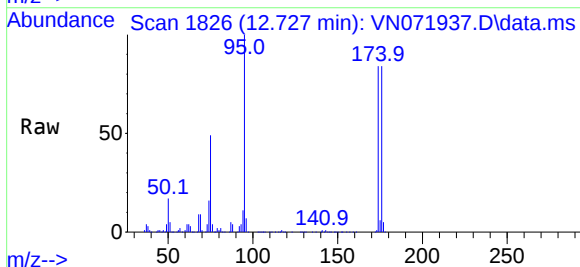
Instrument :
MSVOA_N
ClientSampleId :

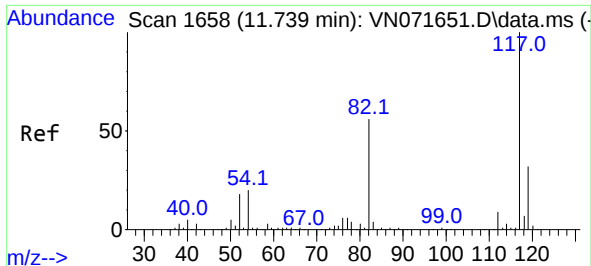
Tgt Ion: 43 Resp: 560755
Ion Ratio Lower Upper
43 100
58 20.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 56.422 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

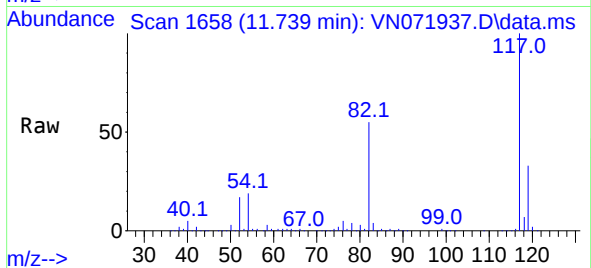
Tgt Ion: 95 Resp: 557329
Ion Ratio Lower Upper
95 100
174 86.0 0.0 167.6
176 83.8 0.0 163.4



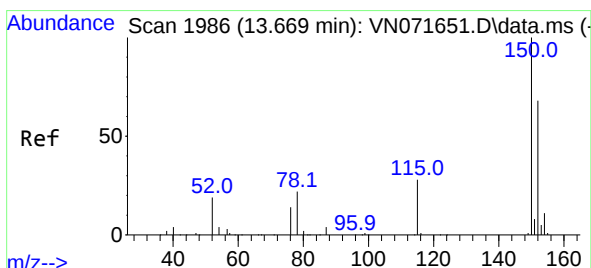
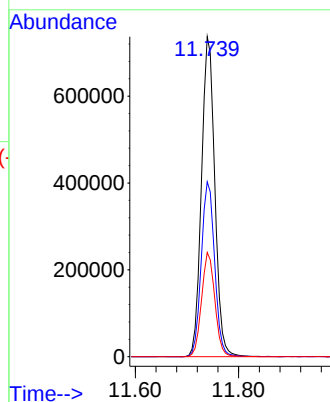
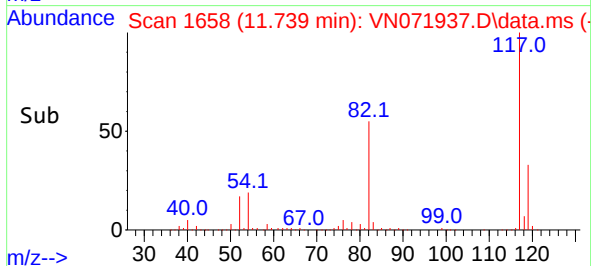


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

Instrument :
MSVOA_N
ClientSampleId :

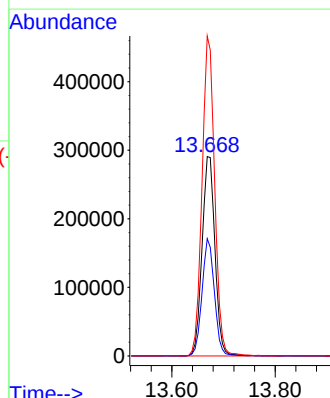
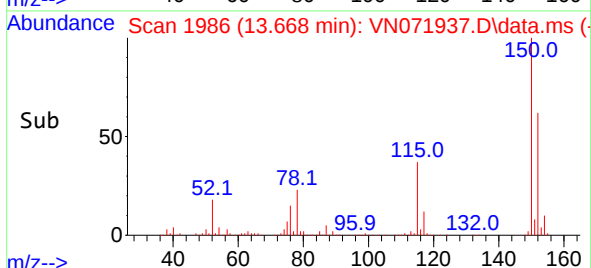
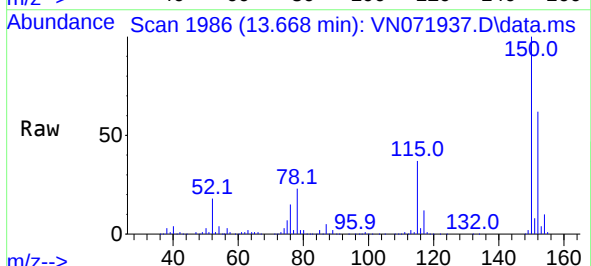


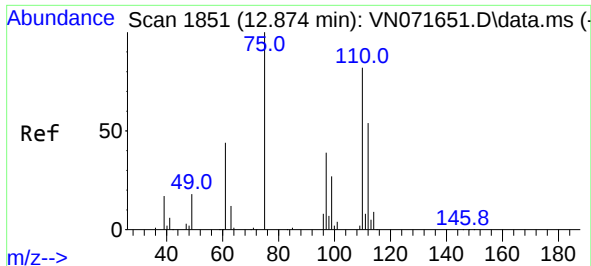
Tgt Ion:117 Resp: 1319861
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

Tgt Ion:152 Resp: 503523
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 156.9 0.0 356.2

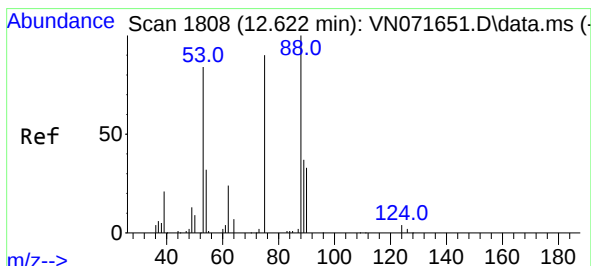
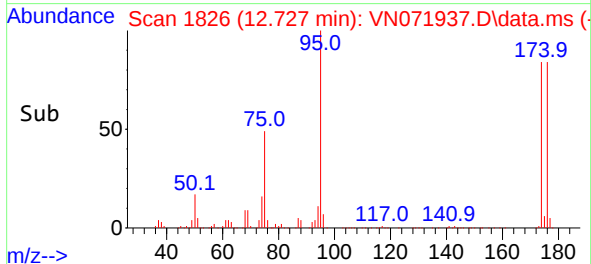
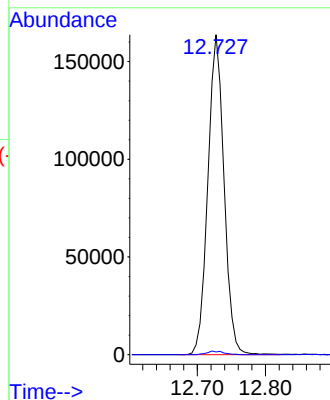
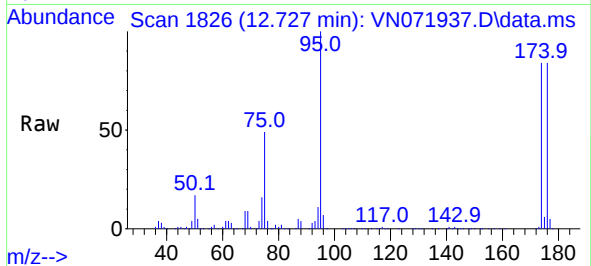




#76
1,2,3-Trichloropropane
Concen: 23.153 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

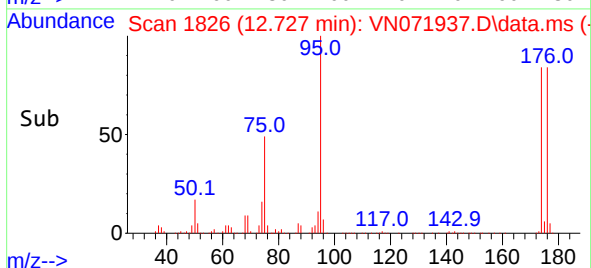
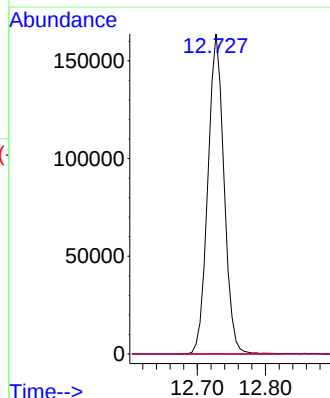
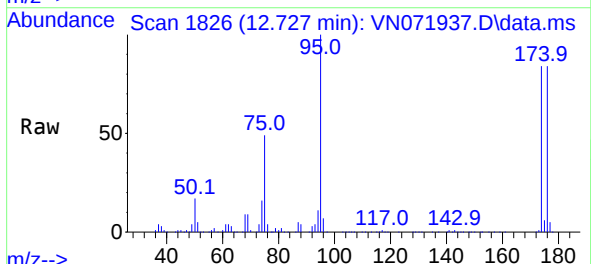
Instrument :
MSVOA_N
ClientSampleId :

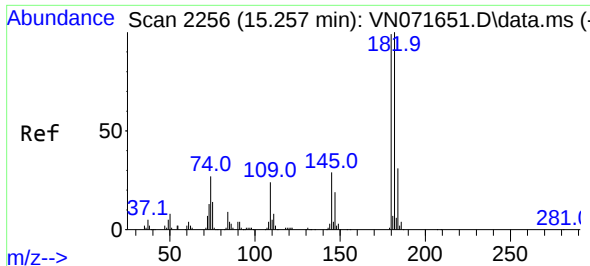
Tgt Ion: 75 Resp: 270065
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.750 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

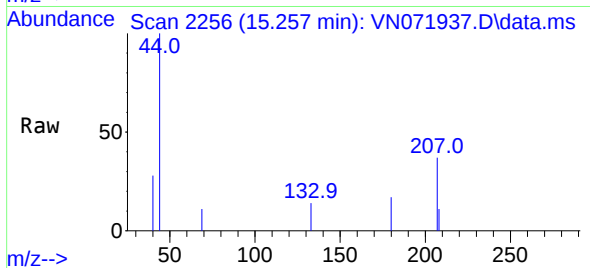
Tgt Ion: 75 Resp: 270065
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



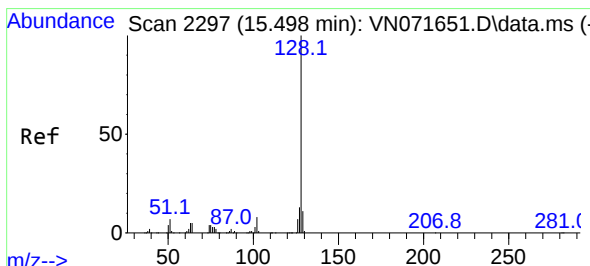
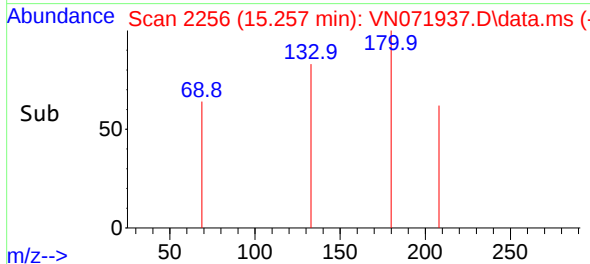
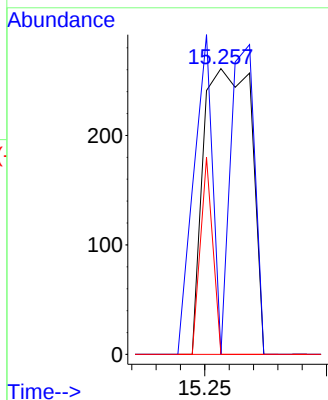


#93
1,2,4-Trichlorobenzene
Concen: 2.128 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

Instrument :
MSVOA_N
ClientSampleId :

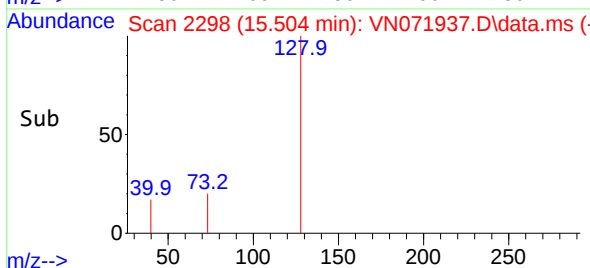
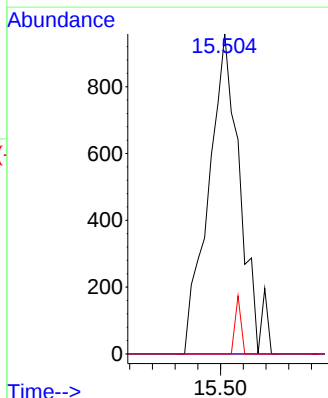
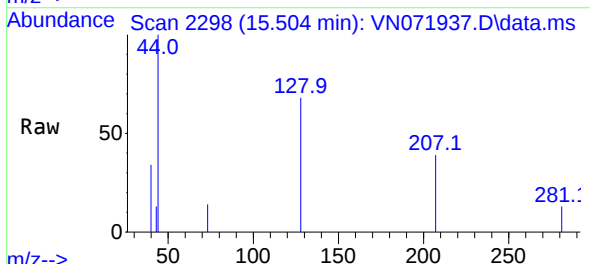


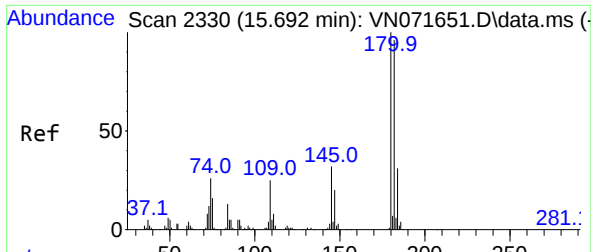
Tgt Ion:180 Resp: 354
Ion Ratio Lower Upper
180 100
182 44.1 47.5 142.5#
145 17.8 14.5 43.5



#95
Naphthalene
Concen: 3.878 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071937.D
Acq: 11 Apr 2022 15:40

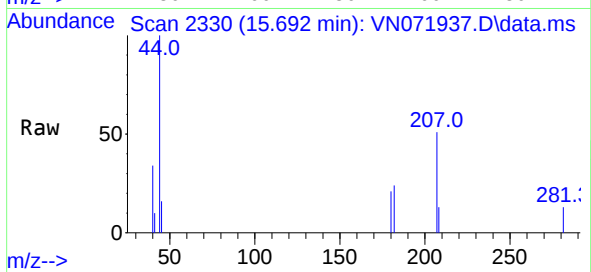
Tgt Ion:128 Resp: 1855
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.471 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071937.D
 Acq: 11 Apr 2022 15:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 462
 Ion Ratio Lower Upper
 180 100
 182 88.1 47.8 143.3
 145 0.0 15.5 46.5#

