

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071935.D
 Acq On : 11 Apr 2022 14:52
 Operator : JC\MD
 Sample : N2335-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:39:51 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)

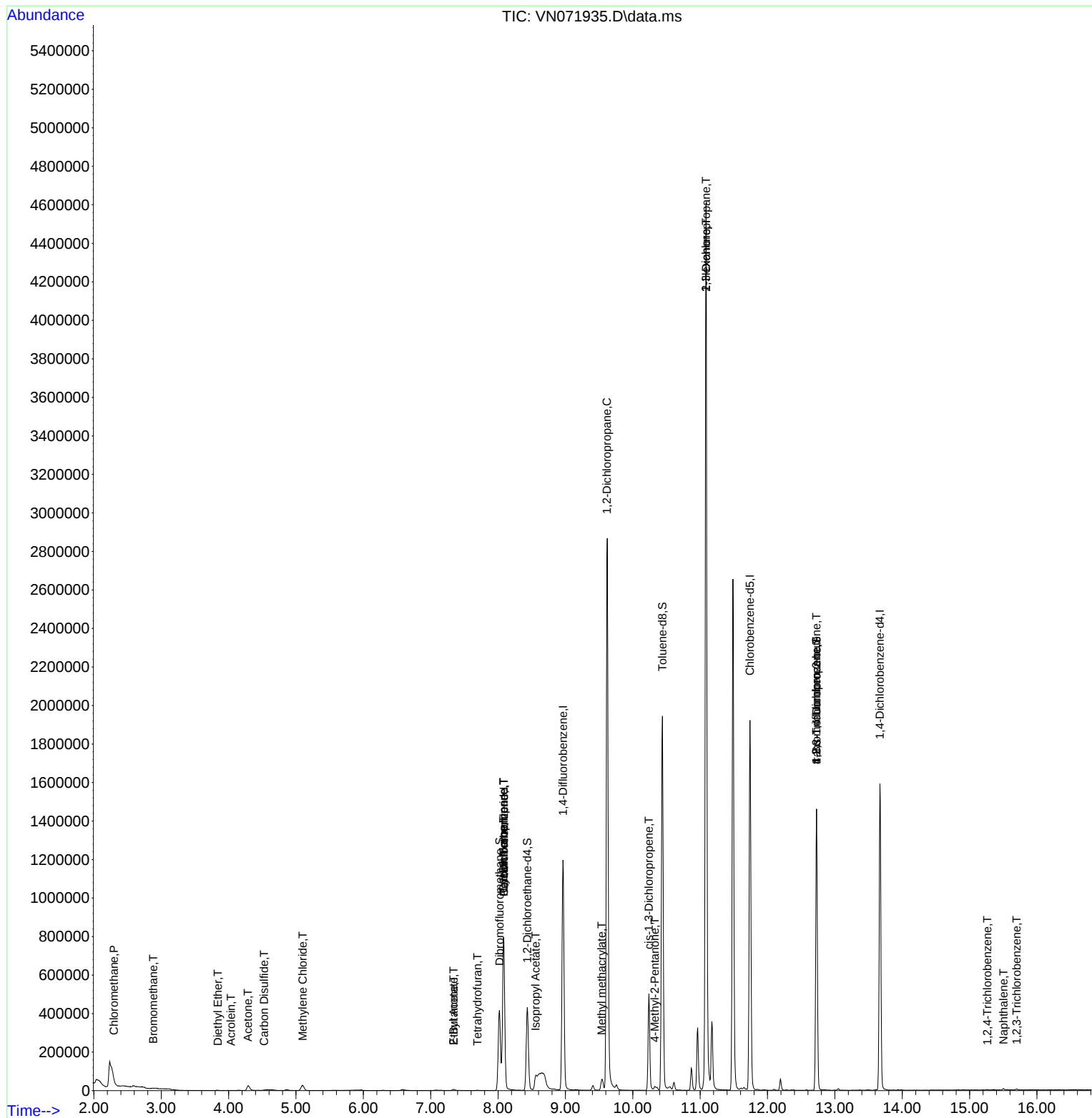
Internal Standards						
1) Pentafluorobenzene	8.086	168	661085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1130710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1202124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	473562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	357905	47.423	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.840%
35) Dibromofluoromethane	8.022	113	319286	47.987	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.980%
50) Toluene-d8	10.439	98	1428148	52.470	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.940%
62) 4-Bromofluorobenzene	12.727	95	517631	58.803	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	117.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2373	0.356	ug/l #	80
5) Bromomethane	2.881	94	1660	0.349	ug/l	89
8) Diethyl Ether	3.840	74	947	0.241	ug/l	79
13) Acrolein	4.034	56	585	0.392	ug/l #	29
16) Acetone	4.287	43	46467	14.407	ug/l	99
17) Carbon Disulfide	4.528	76	4178	0.334	ug/l #	75
18) Methyl Acetate	4.863	43	10201	Below Cal		95
20) Methylene Chloride	5.098	84	23899	3.515	ug/l #	84
25) 2-Butanone	7.339	43	11230	2.415	ug/l	95
29) Tetrahydrofuran	7.692	42	1190	0.395	ug/l #	73
31) Cyclohexane	8.081	56	10731	1.046	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	43605	4.693	ug/l #	48
37) Ethyl Acetate	7.339	43	11230	1.104	ug/l #	67
38) Carbon Tetrachloride	8.086	117	59220	6.503	ug/l #	16
43) Isopropyl Acetate	8.557	43	91892	5.432	ug/l #	81
45) 1,2-Dichloropropane	9.616	63	4648	0.634	ug/l #	44
48) Methyl methacrylate	9.539	41	16284	2.320	ug/l #	10
49) 1,4-Dioxane	9.622	88	492	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	11100	1.141	ug/l	91
54) cis-1,3-Dichloropropene	10.239	75	101932	8.982	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	54130	4.240	ug/l #	42
59) 2-Hexanone	11.086	43	655940	95.796	ug/l #	48
76) 1,2,3-Trichloropropane	12.727	75	248954	22.693	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	248954	70.325	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	1481	2.274	ug/l	90
95) Naphthalene	15.504	128	7554	4.127	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.698	180	1819	2.651	ug/l	88

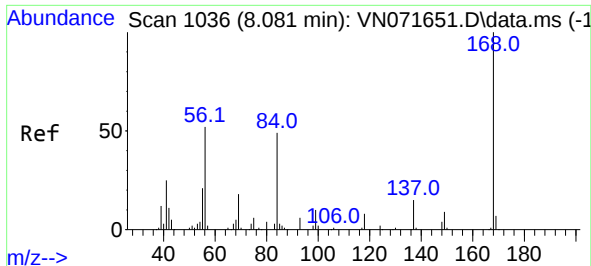
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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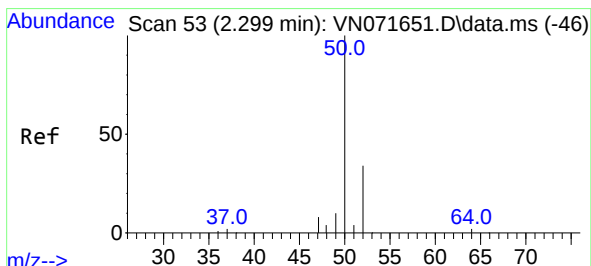
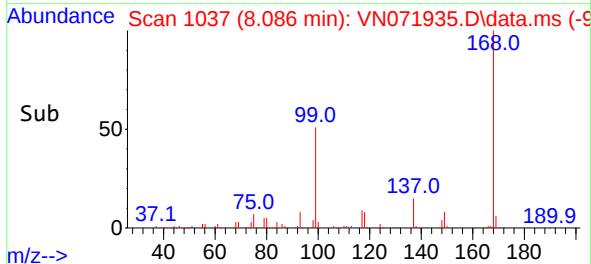
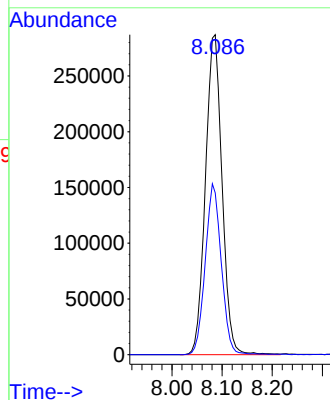
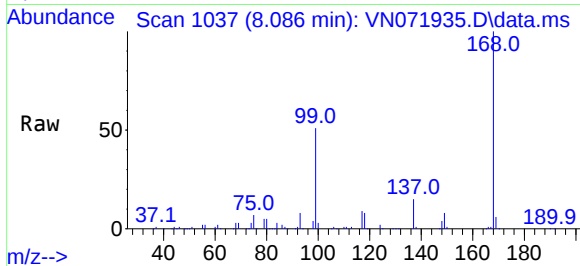




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

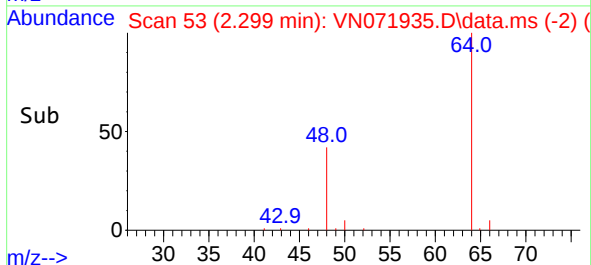
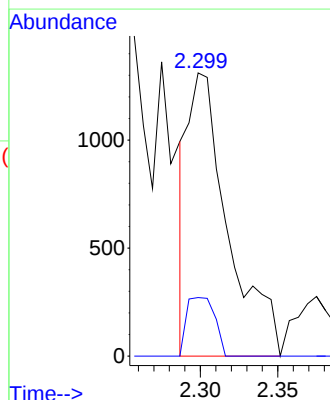
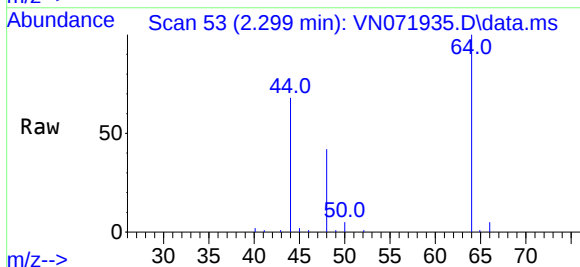
Instrument :
MSVOA_N
ClientSampleId :

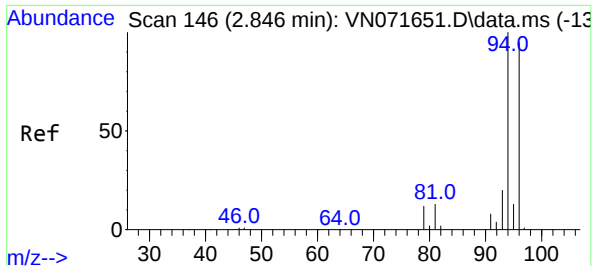
Tgt Ion:168 Resp: 661085
Ion Ratio Lower Upper
168 100
99 50.5 42.3 63.5



#3
Chloromethane
Concen: 0.356 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Tgt Ion: 50 Resp: 2373
Ion Ratio Lower Upper
50 100
52 20.7 25.7 38.5#

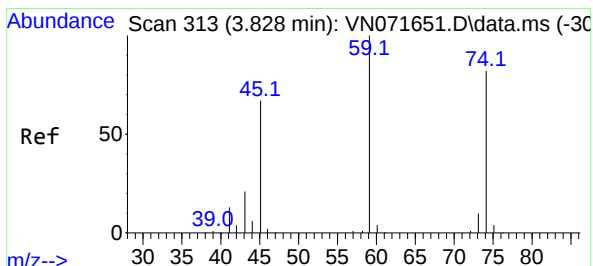
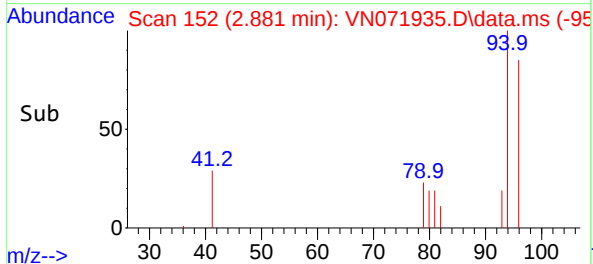
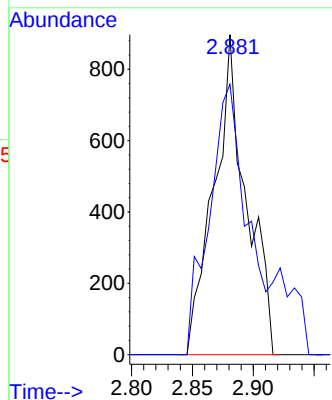
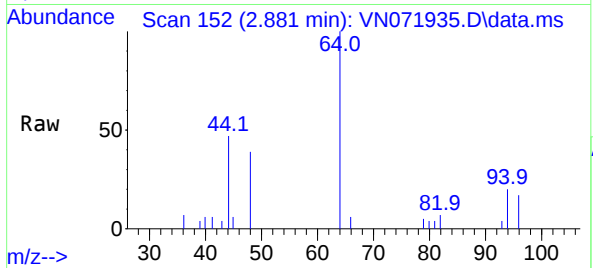




#5
Bromomethane
Concen: 0.349 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

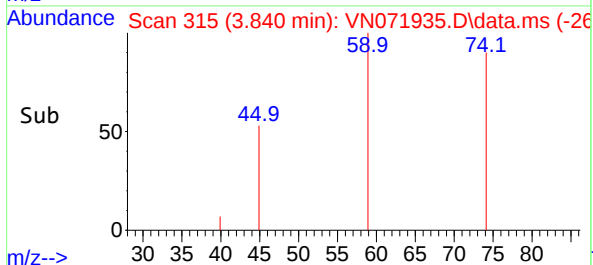
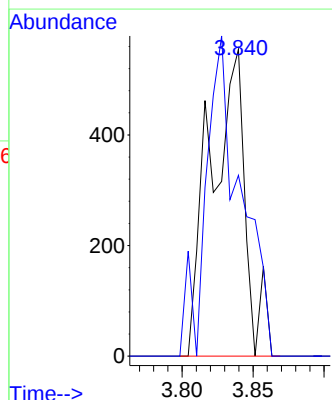
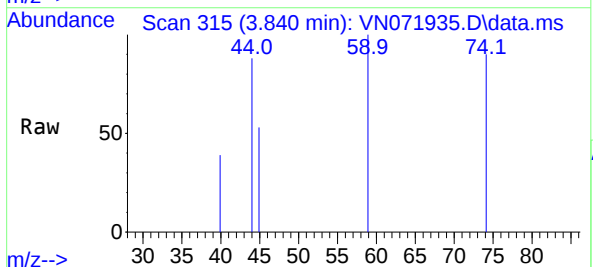
Instrument :
MSVOA_N
ClientSampleId :

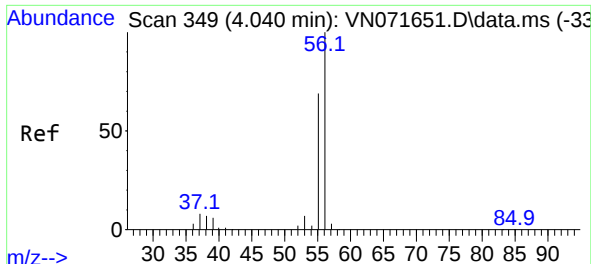
Tgt Ion: 94 Resp: 1660
Ion Ratio Lower Upper
94 100
96 84.5 76.0 114.0



#8
Diethyl Ether
Concen: 0.241 ug/l
RT: 3.840 min Scan# 315
Delta R.T. 0.012 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Tgt Ion: 74 Resp: 947
Ion Ratio Lower Upper
74 100
45 104.9 42.9 128.5

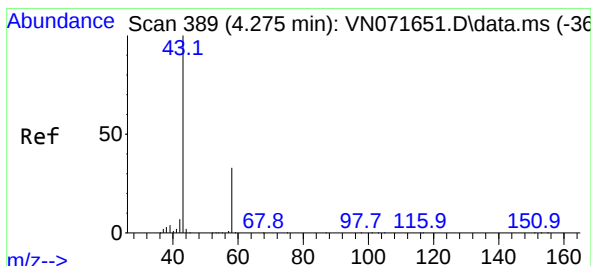
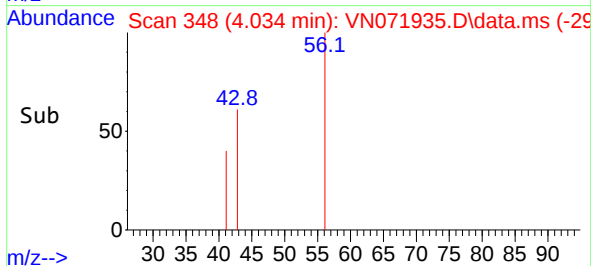
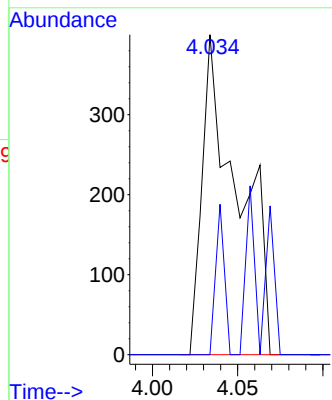
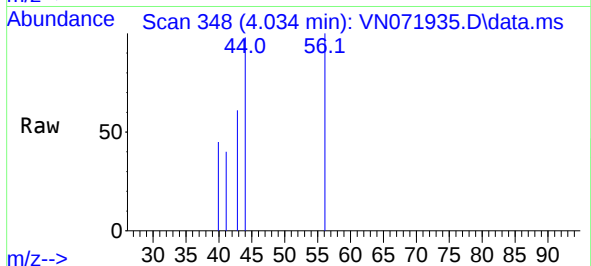




#13
Acrolein
Concen: 0.392 ug/l
RT: 4.034 min Scan# 349
Delta R.T. -0.006 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

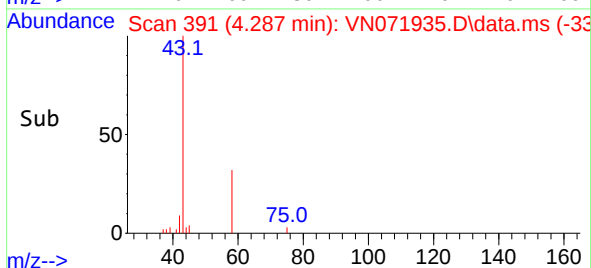
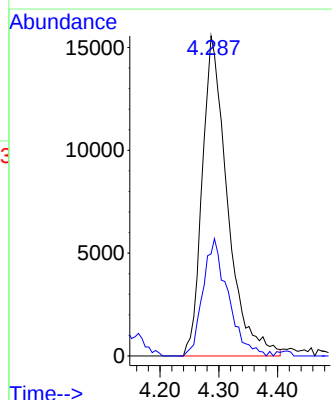
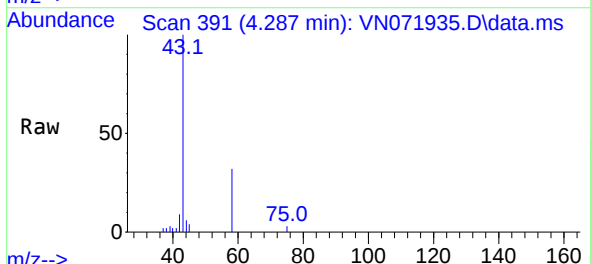
Instrument :
MSVOA_N
ClientSampleId :

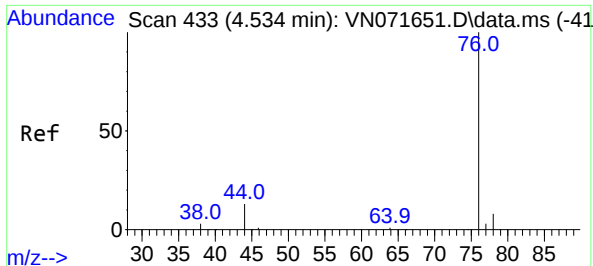
Tgt Ion: 56 Resp: 585
Ion Ratio Lower Upper
56 100
55 11.3 54.8 82.2#



#16
Acetone
Concen: 14.407 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Tgt Ion: 43 Resp: 46467
Ion Ratio Lower Upper
43 100
58 31.9 26.0 39.0

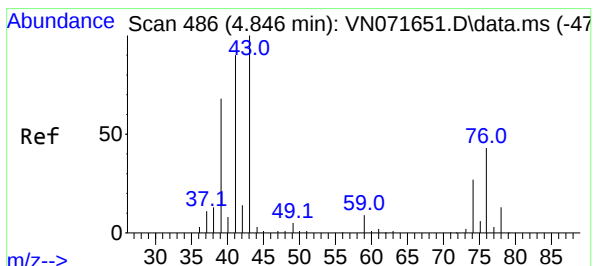
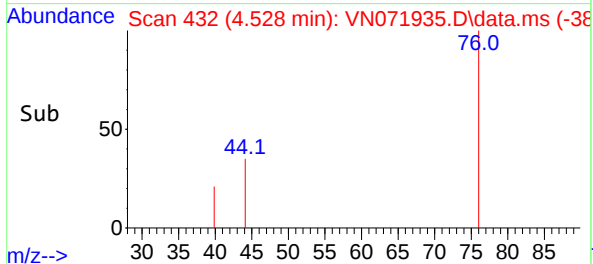
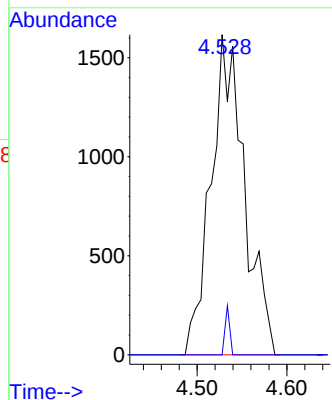
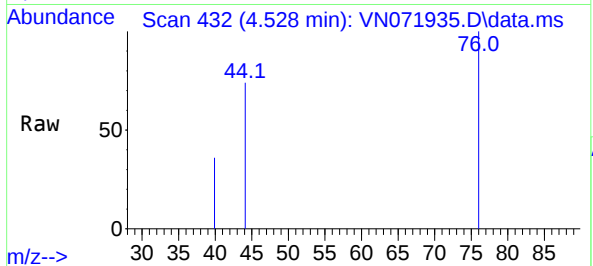




#17
Carbon Disulfide
Concen: 0.334 ug/l
RT: 4.528 min Scan# 4178
Delta R.T. -0.006 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

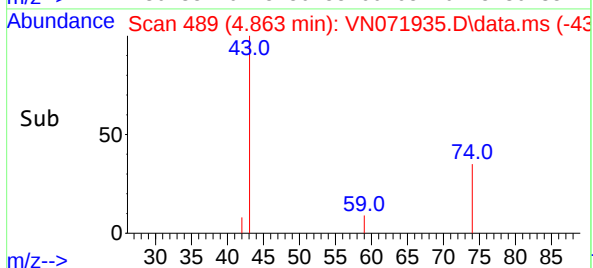
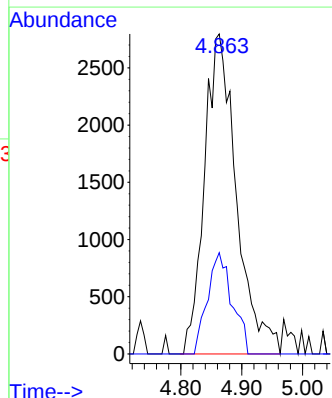
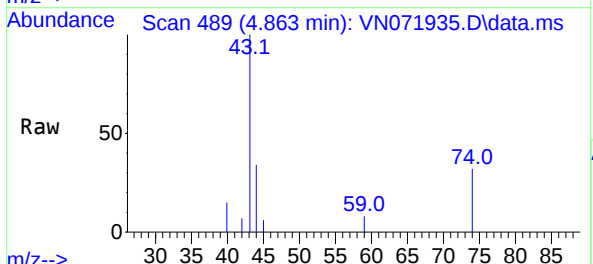
Instrument :
MSVOA_N
ClientSampleId :

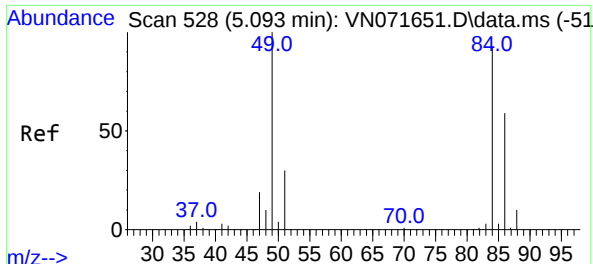
Tgt Ion: 76 Resp: 4178
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

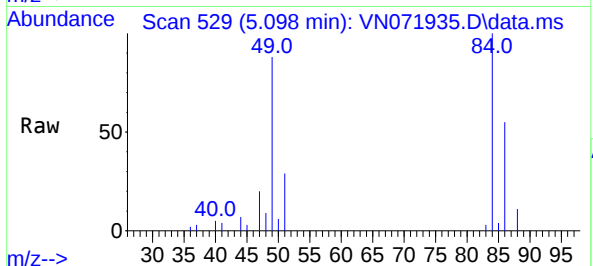
Tgt Ion: 43 Resp: 10201
Ion Ratio Lower Upper
43 100
74 24.4 21.6 32.4





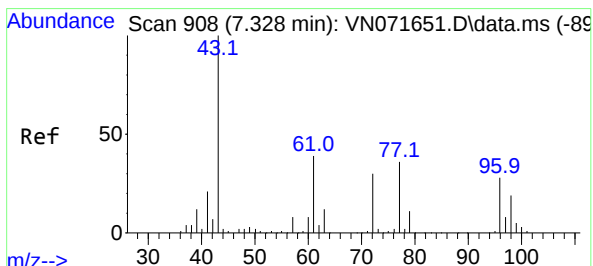
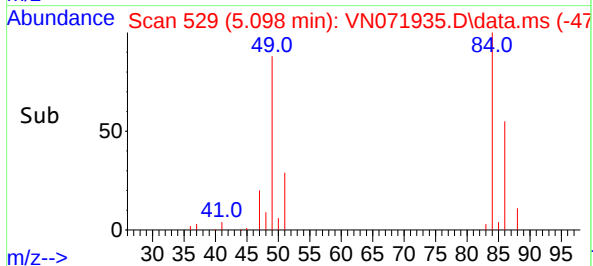
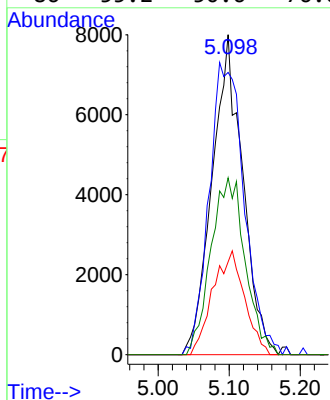
#20
Methylene Chloride
Concen: 3.515 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 23899

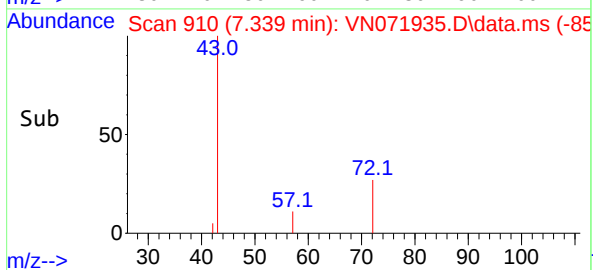
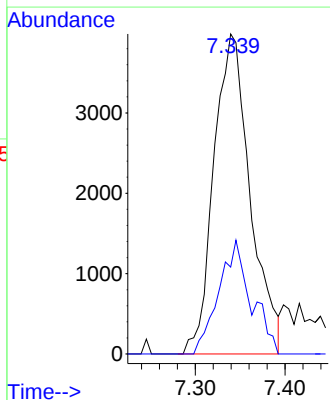
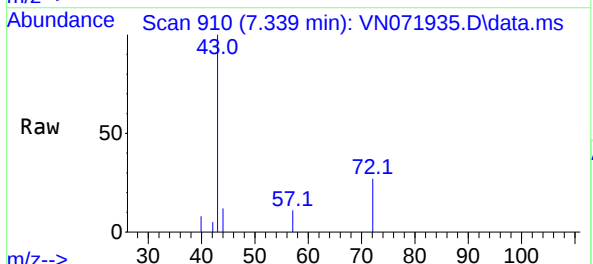
Ion	Ratio	Lower	Upper
84	100		
49	88.2	88.3	132.5#
51	29.0	28.2	42.2
86	55.2	50.6	76.0

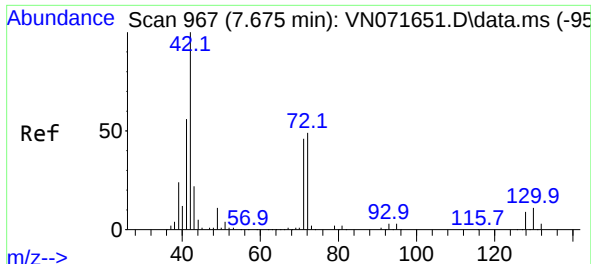


#25
2-Butanone
Concen: 2.415 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Tgt Ion: 43 Resp: 11230

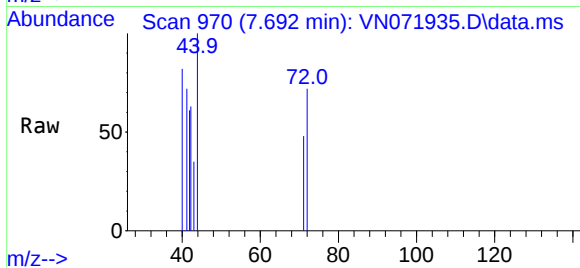
Ion	Ratio	Lower	Upper
43	100		
72	27.1	23.7	35.5



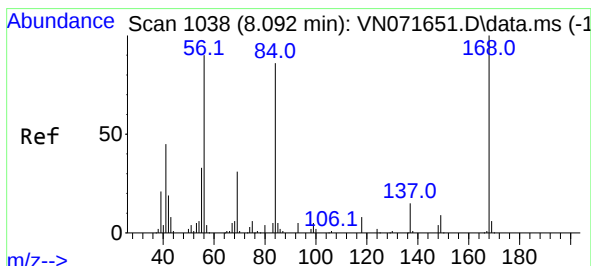
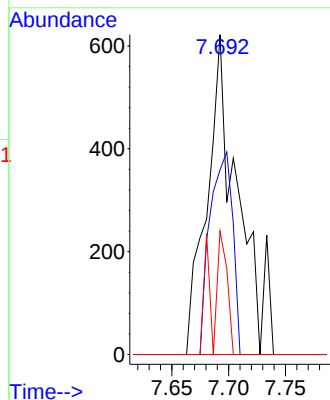
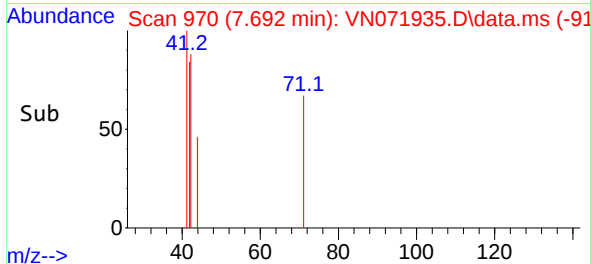


#29
Tetrahydrofuran
Concen: 0.395 ug/l
RT: 7.692 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

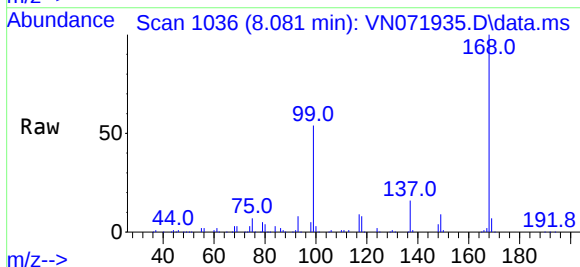
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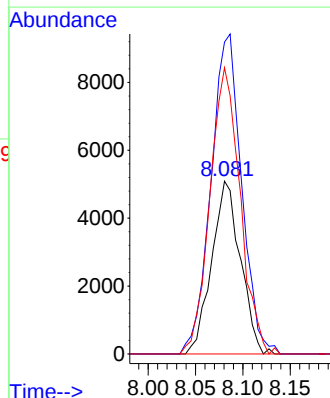
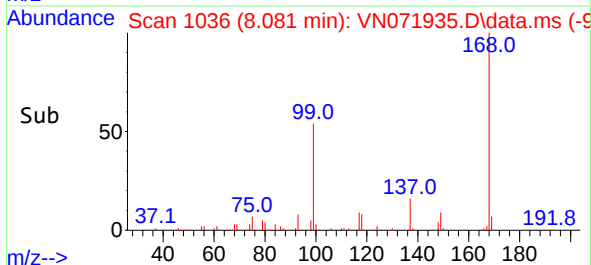
Tgt Ion: 42 Resp: 1190
Ion Ratio Lower Upper
42 100
72 45.9 39.7 59.5
71 12.1 36.6 55.0#

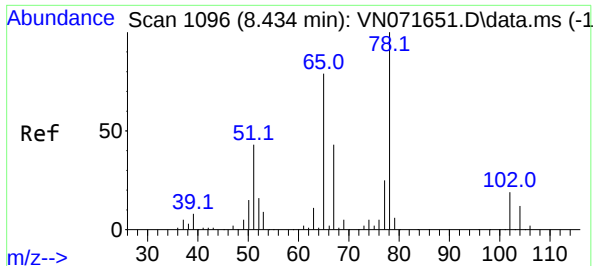


#31
Cyclohexane
Concen: 1.046 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52



Tgt Ion: 56 Resp: 10731
Ion Ratio Lower Upper
56 100
69 180.6 27.8 41.8#
84 165.7 76.9 115.3#

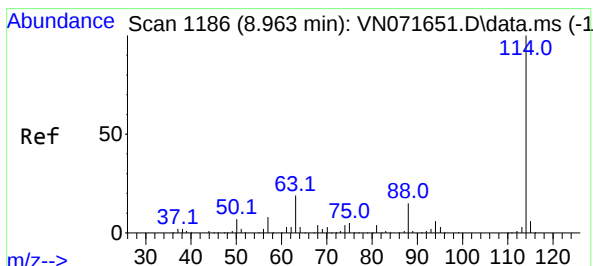
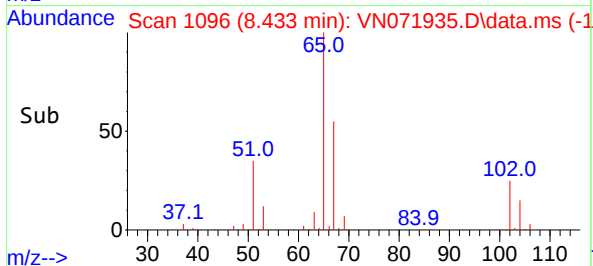
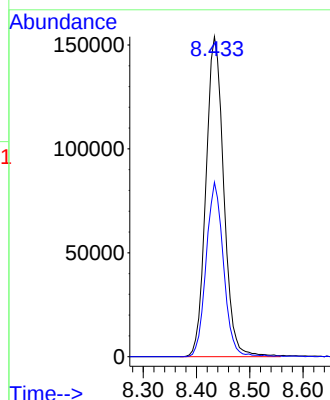
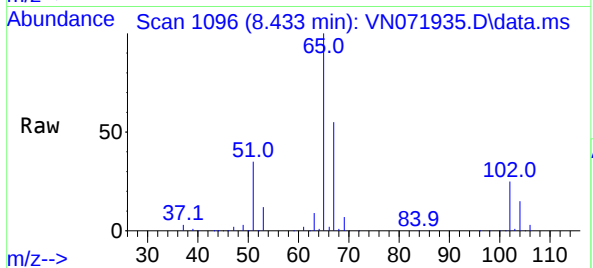




#33
1,2-Dichloroethane-d4
Concen: 47.423 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

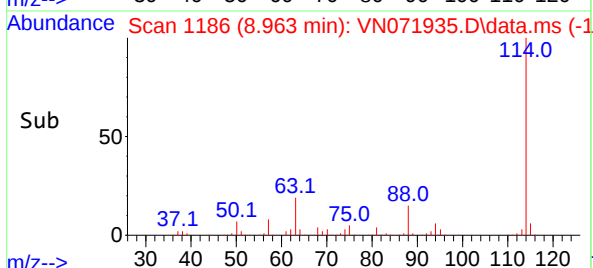
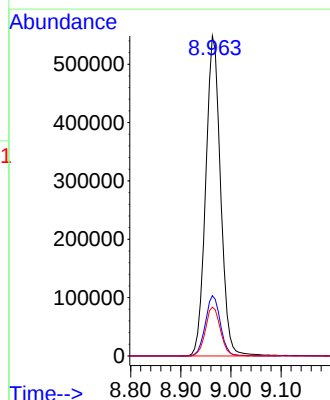
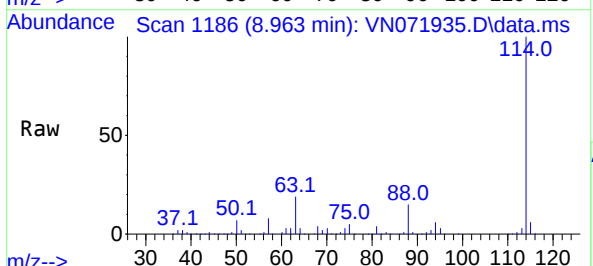
Instrument :
MSVOA_N
ClientSampleId :

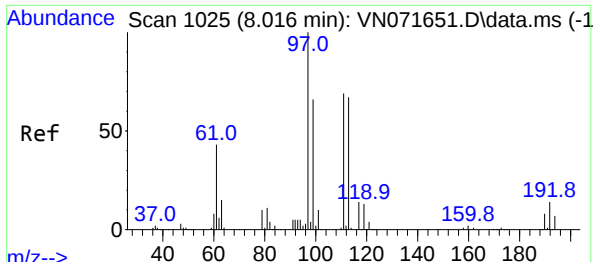
Tgt Ion: 65 Resp: 357905
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

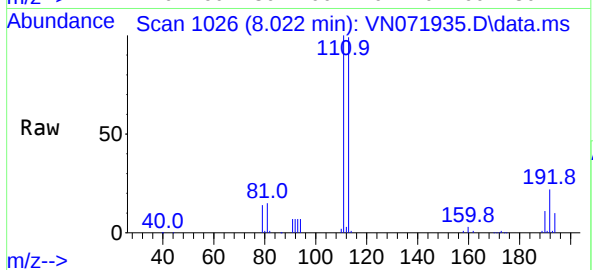
Tgt Ion:114 Resp: 1130710
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 15.2 0.0 32.6



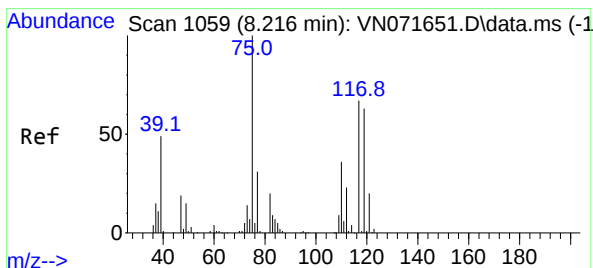
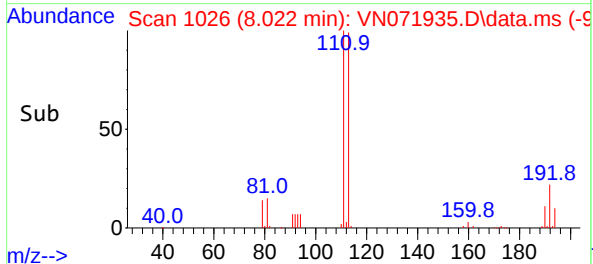
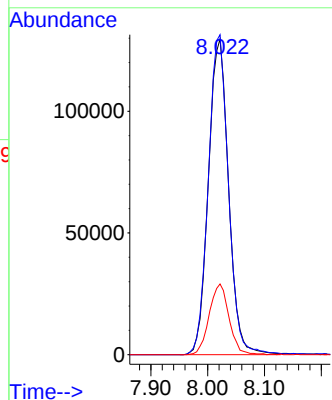


#35
Dibromofluoromethane
Concen: 47.987 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Instrument :
MSVOA_N
ClientSampleId :

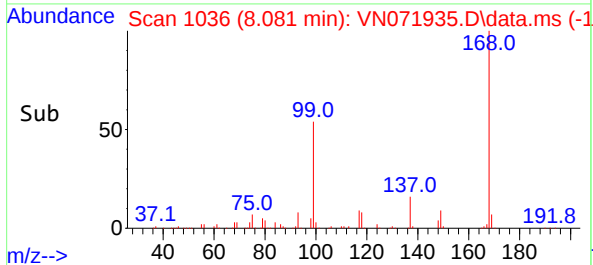
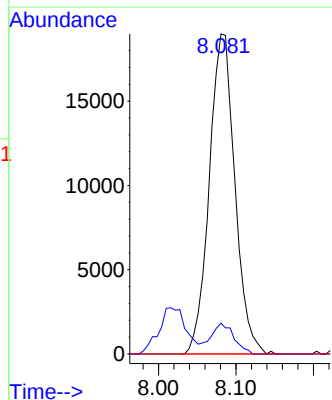
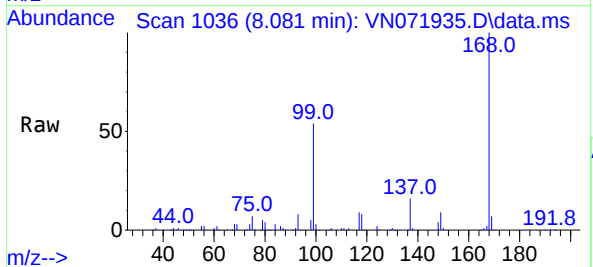


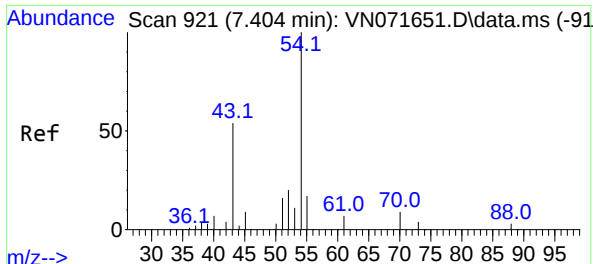
Tgt Ion:113 Resp: 319286
Ion Ratio Lower Upper
113 100
111 101.3 81.4 122.0
192 22.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

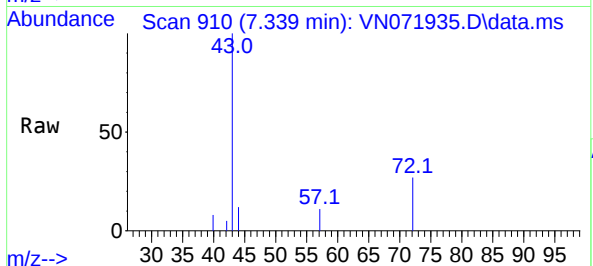
Tgt Ion: 75 Resp: 43605
Ion Ratio Lower Upper
75 100
110 8.3 18.3 54.8#
77 0.0 25.1 37.7#



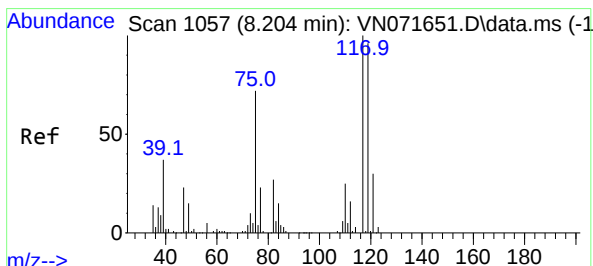
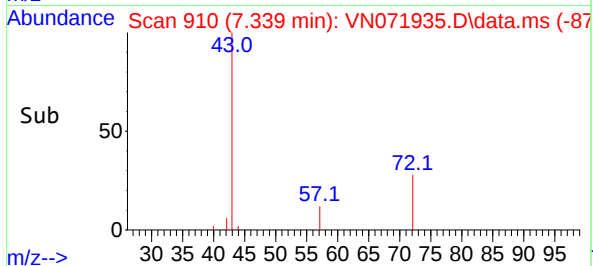
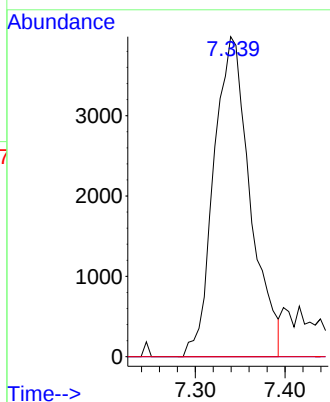


#37
Ethyl Acetate
Concen: 1.104 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Instrument :
MSVOA_N
ClientSampleId :

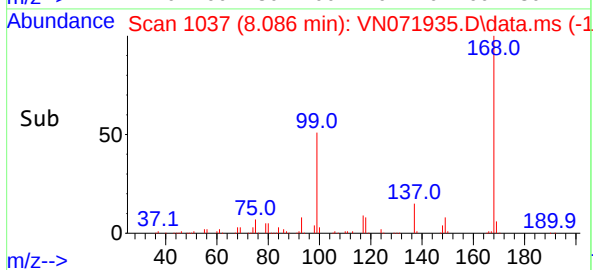
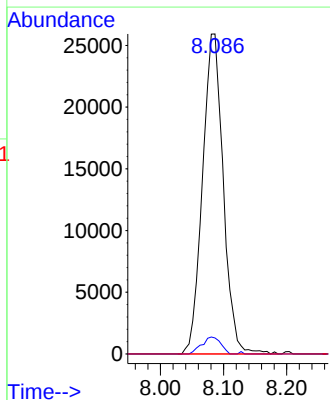
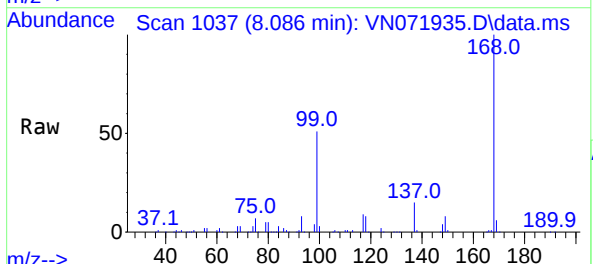


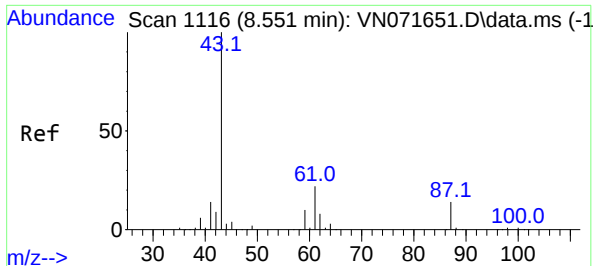
Tgt Ion: 43 Resp: 11230
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.503 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Tgt Ion: 117 Resp: 59220
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#

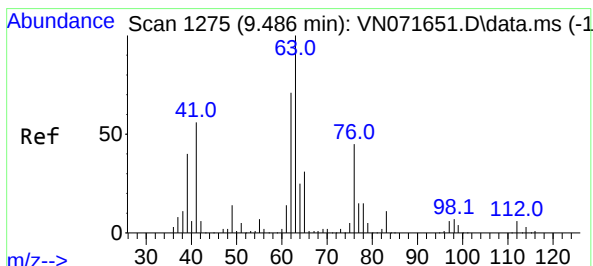
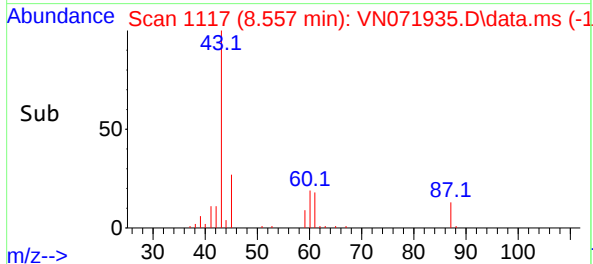
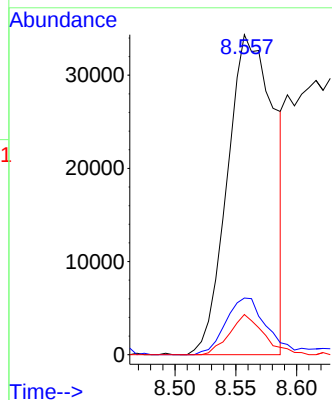
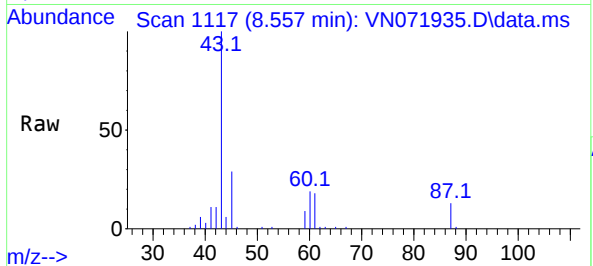




#43
Isopropyl Acetate
Concen: 5.432 ug/l
RT: 8.557 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

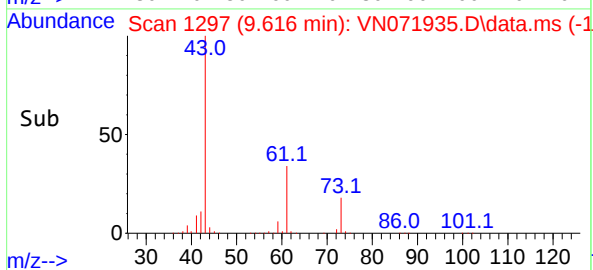
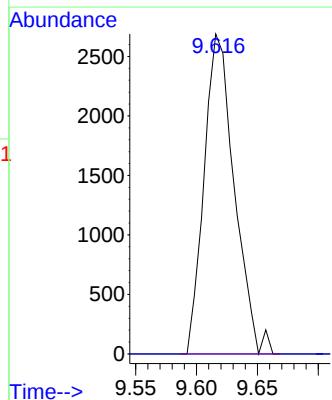
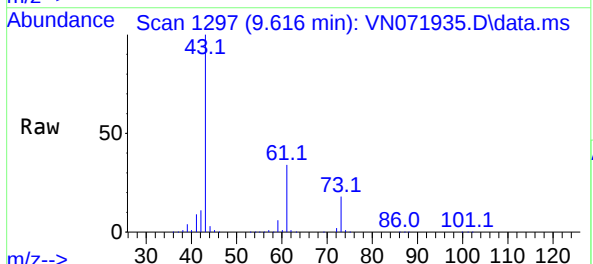
Instrument :
MSVOA_N
ClientSampleId :

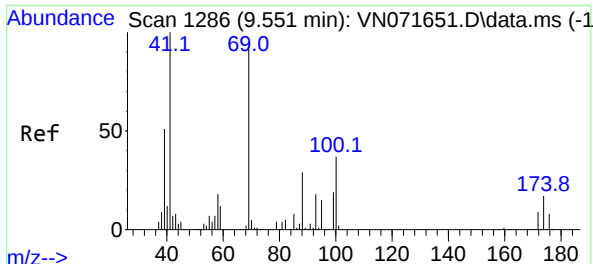
Tgt Ion: 43 Resp: 91892
Ion Ratio Lower Upper
43 100
61 15.8 21.9 32.9#
87 9.2 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.634 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Tgt Ion: 63 Resp: 4648
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.320 ug/l

RT: 9.539 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN071935.D

Acq: 11 Apr 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

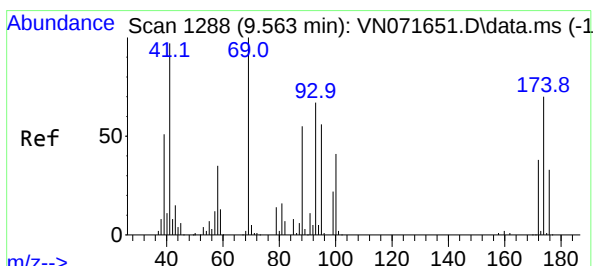
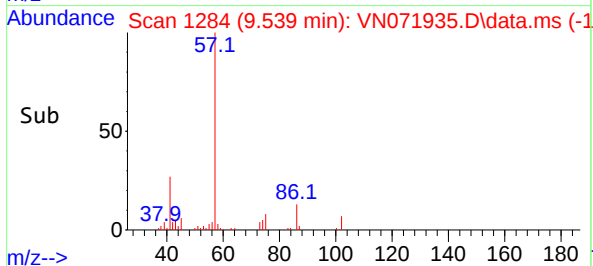
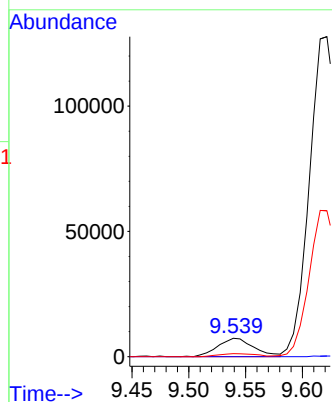
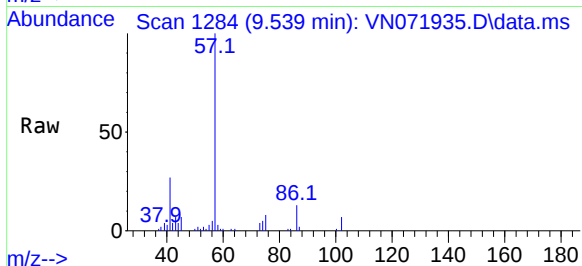
Tgt Ion: 41 Resp: 16284

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: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN071935.D

Acq: 11 Apr 2022 14:52

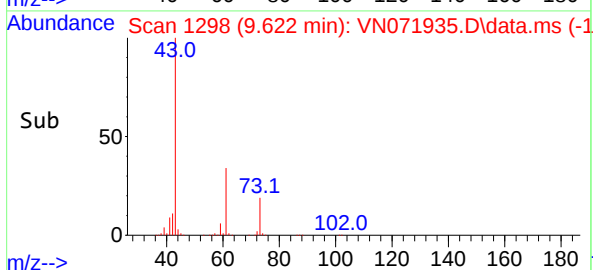
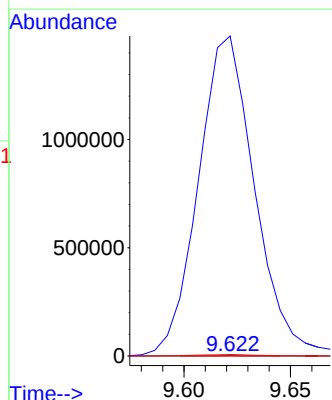
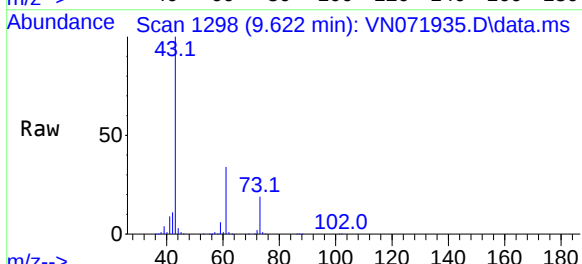
Tgt Ion: 88 Resp: 492

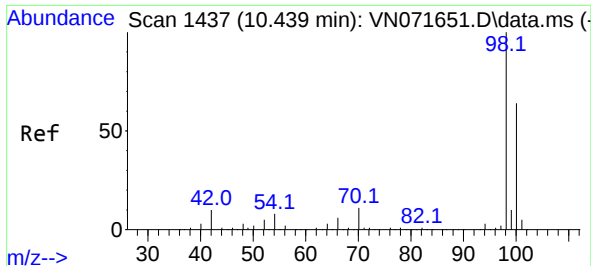
Ion Ratio Lower Upper

88 100

43 564850.2 20.2 30.4#

58 2547.6 54.2 81.4#

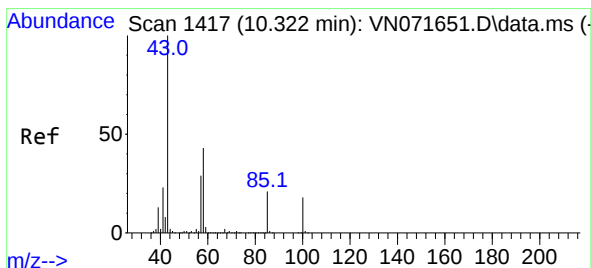
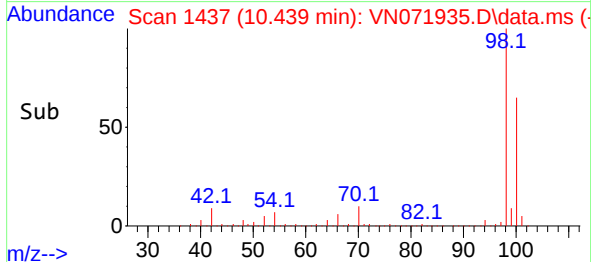
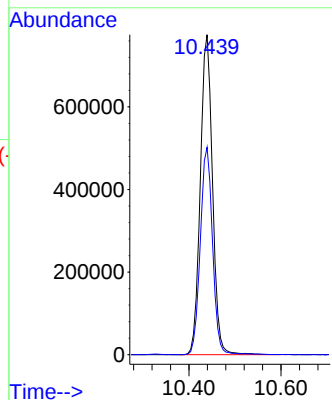
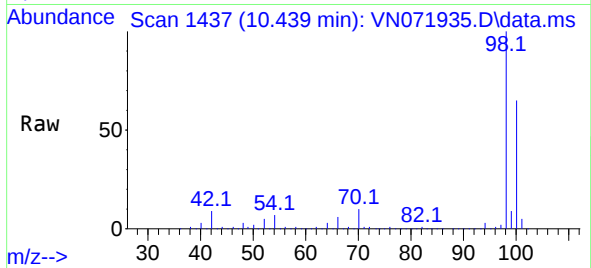




#50
Toluene-d8
Concen: 52.470 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

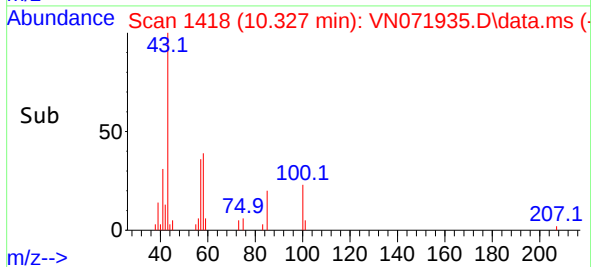
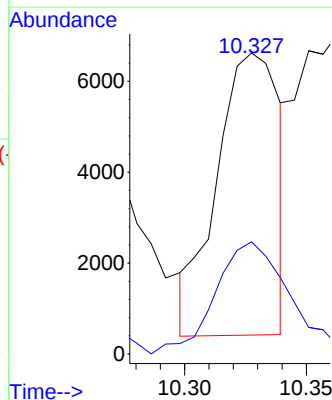
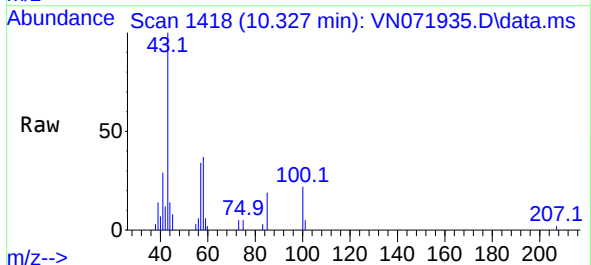
Instrument :
MSVOA_N
ClientSampleId :

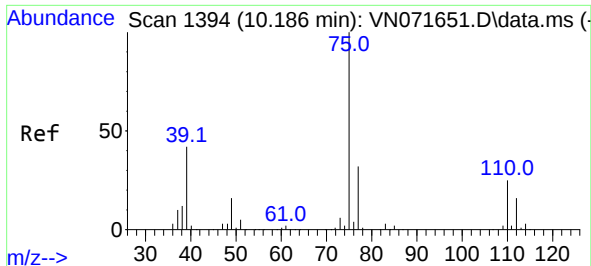
Tgt Ion: 98 Resp: 1428148
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.141 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

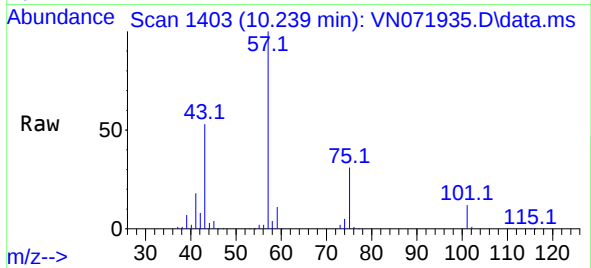
Tgt Ion: 43 Resp: 11100
Ion Ratio Lower Upper
43 100
58 48.5 34.1 51.1



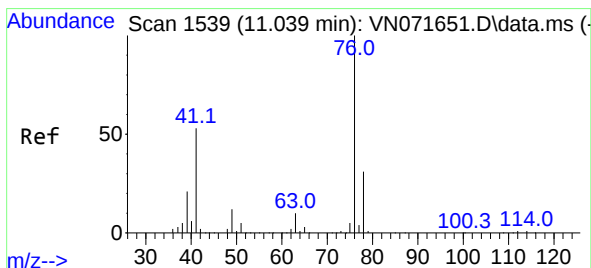
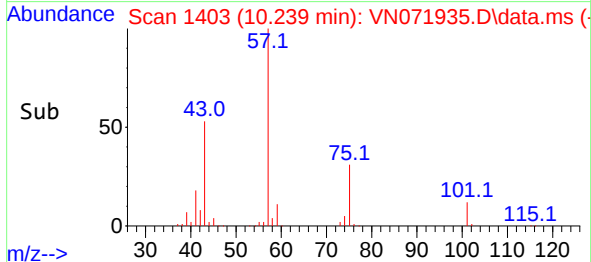
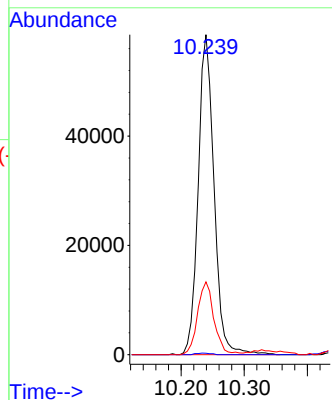


#54
cis-1,3-Dichloropropene
Concen: 8.982 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Instrument :
MSVOA_N
ClientSampleId :

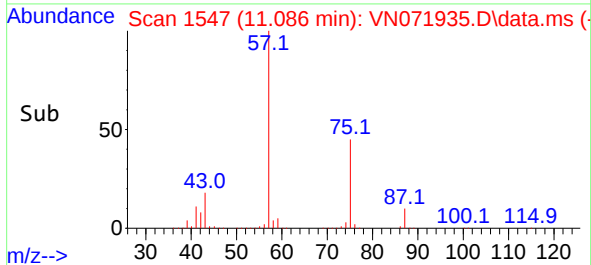
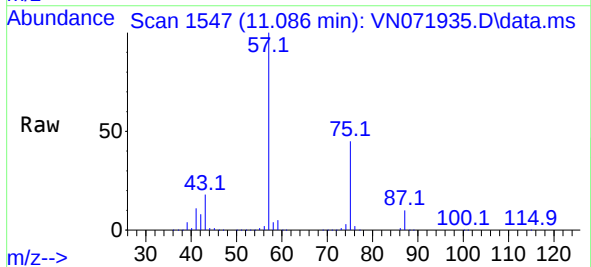
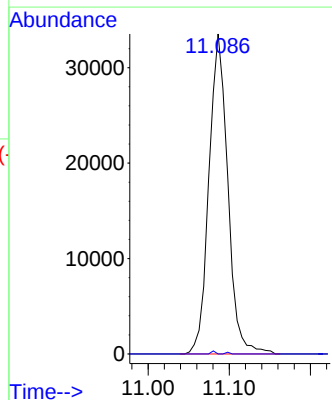


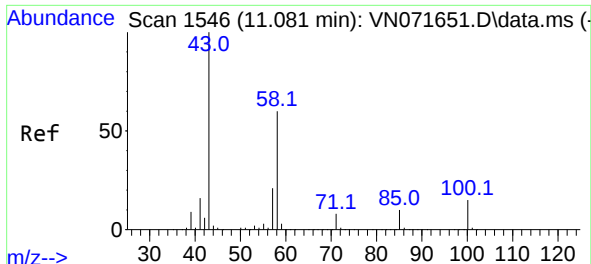
Tgt Ion: 75 Resp: 101932
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 22.7 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.240 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Tgt Ion: 76 Resp: 54130
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

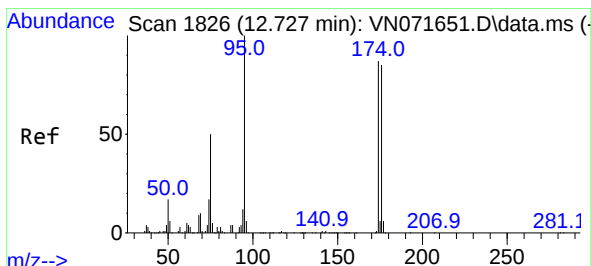
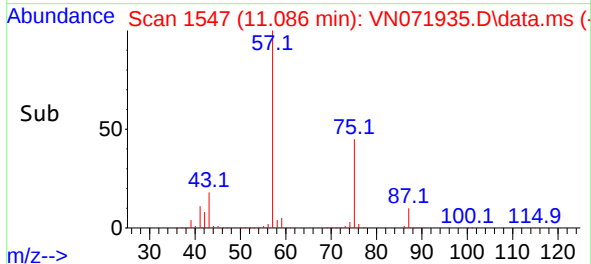
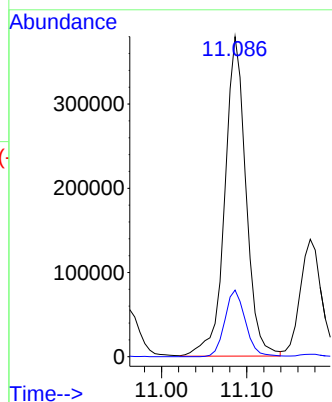
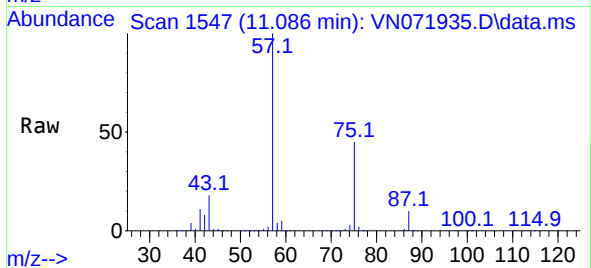




#59
2-Hexanone
Concen: 95.796 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

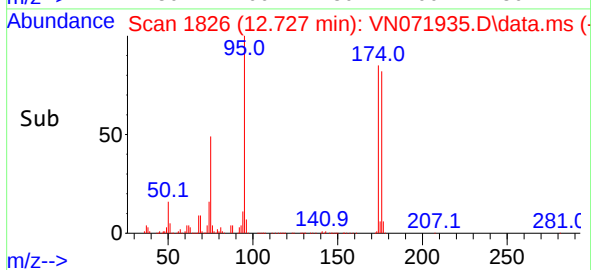
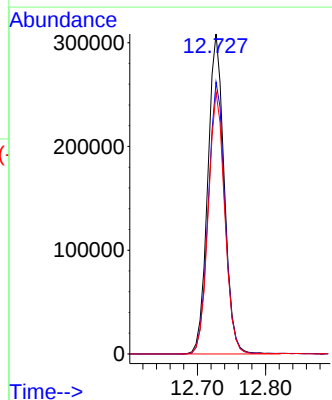
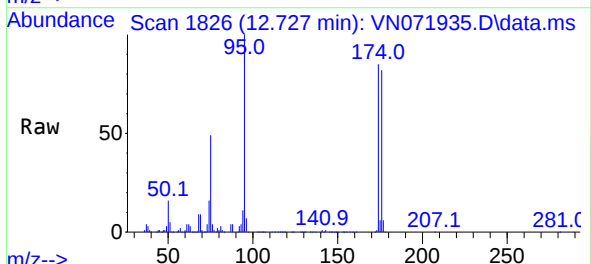
Instrument :
MSVOA_N
ClientSampleId :

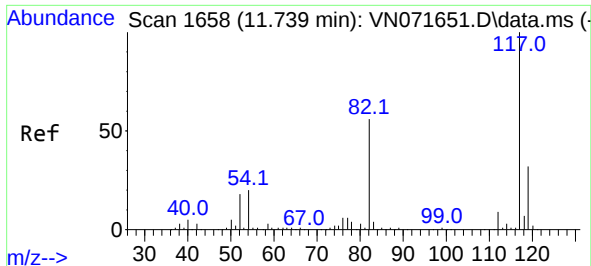
Tgt Ion: 43 Resp: 655940
Ion Ratio Lower Upper
43 100
58 20.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.803 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

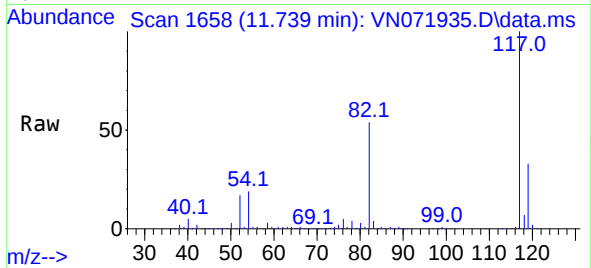
Tgt Ion: 95 Resp: 517631
Ion Ratio Lower Upper
95 100
174 85.6 0.0 167.6
176 81.8 0.0 163.4



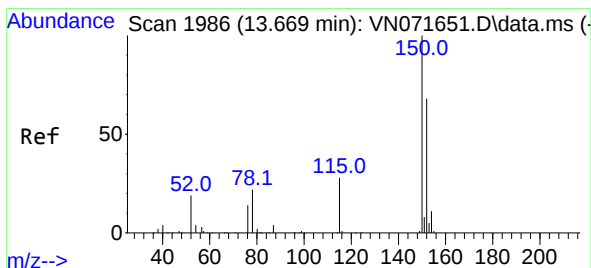
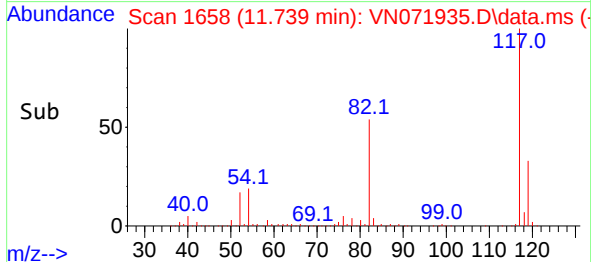
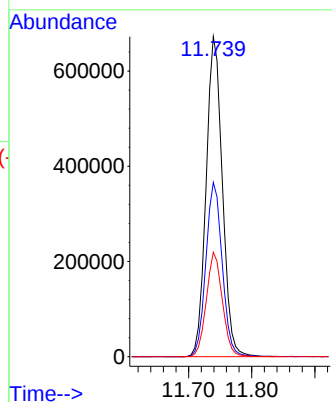


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Instrument :
MSVOA_N
ClientSampleId :

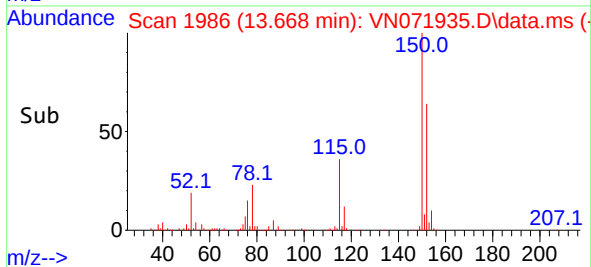
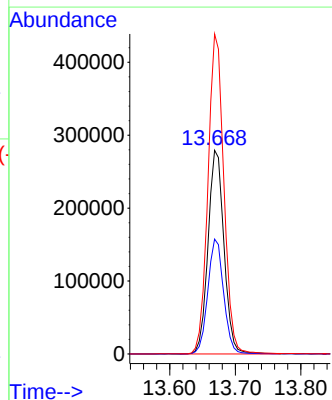
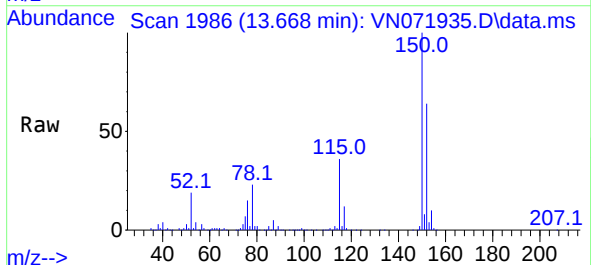


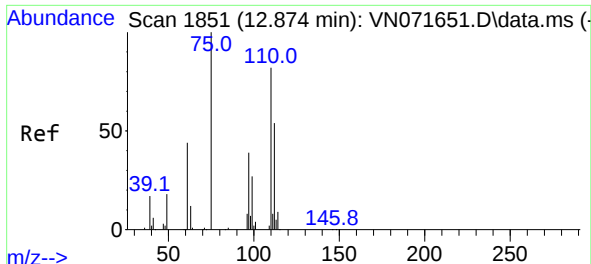
Tgt Ion:117 Resp: 1202124
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Tgt Ion:152 Resp: 473562
Ion Ratio Lower Upper
152 100
115 56.0 28.9 86.7
150 156.1 0.0 356.2

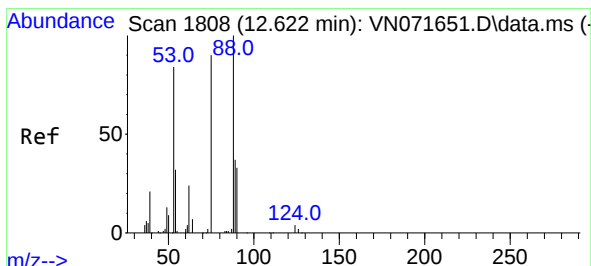
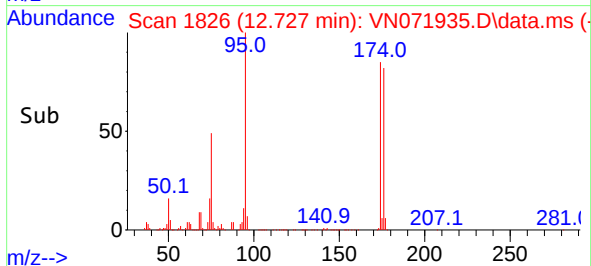
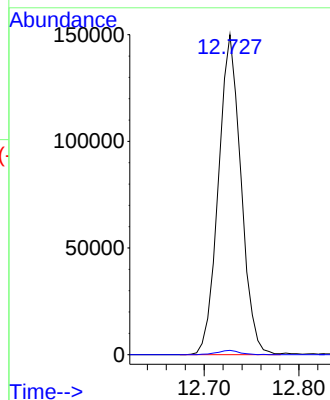
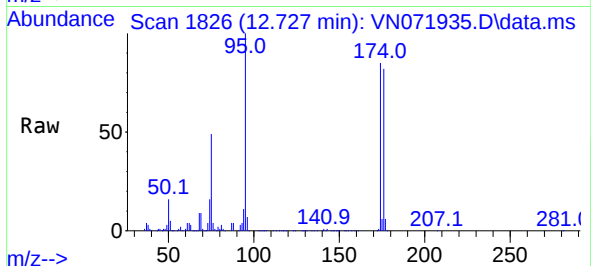




#76
1,2,3-Trichloropropane
Concen: 22.693 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

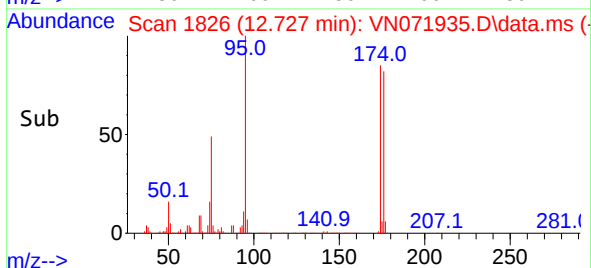
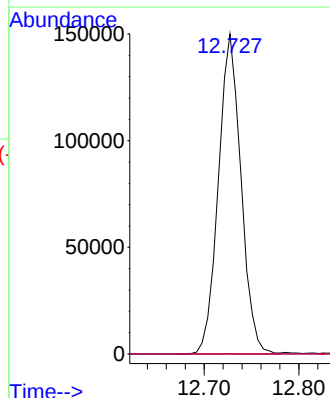
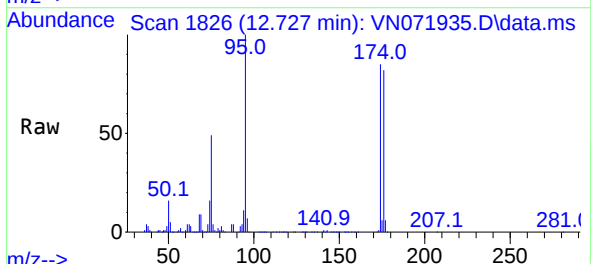
Instrument :
MSVOA_N
ClientSampleId :

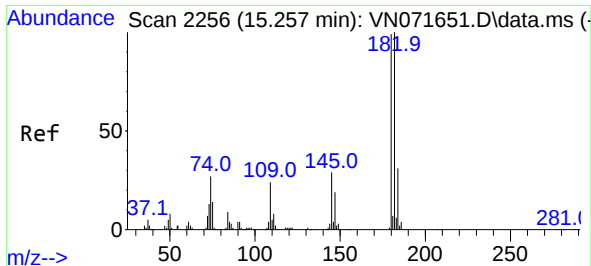
Tgt Ion: 75 Resp: 248954
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.325 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071935.D
Acq: 11 Apr 2022 14:52

Tgt Ion: 75 Resp: 248954
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: 2.274 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN071935.D

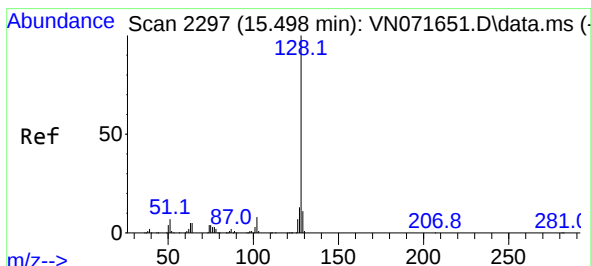
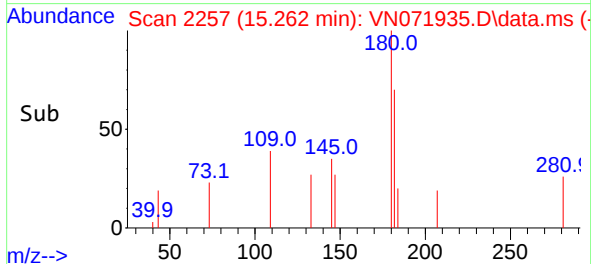
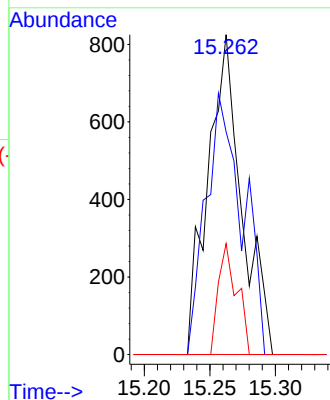
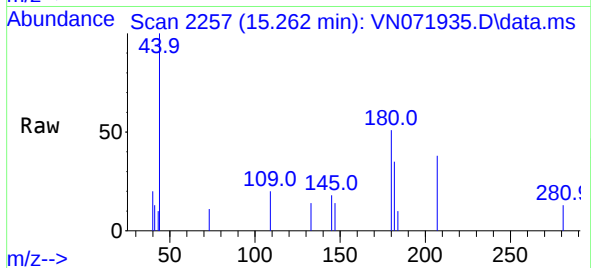
Acq: 11 Apr 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	180	Resp:	1481
Ion Ratio	Lower	Upper	
180	100		
182	88.5	47.5	142.5
145	19.0	14.5	43.5



#95

Naphthalene

Concen: 4.127 ug/l

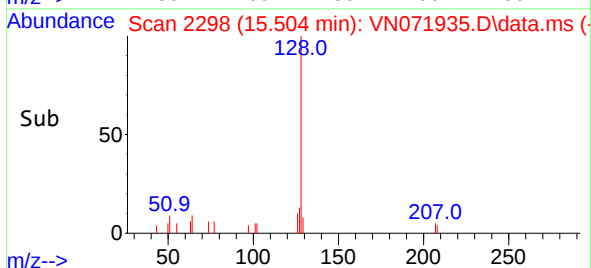
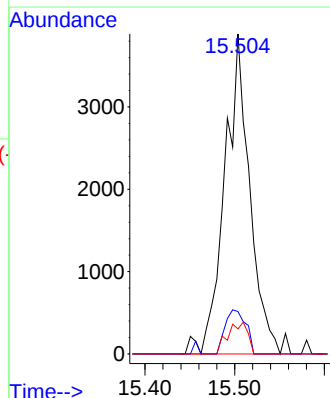
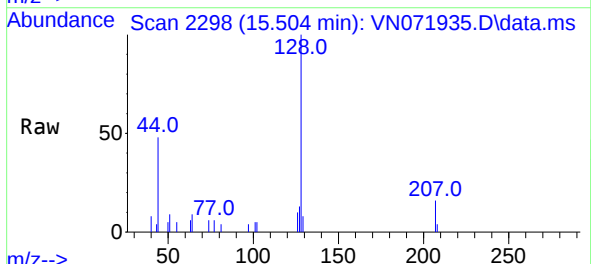
RT: 15.504 min Scan# 2298

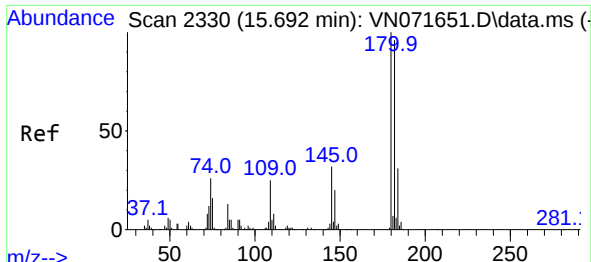
Delta R.T. 0.006 min

Lab File: VN071935.D

Acq: 11 Apr 2022 14:52

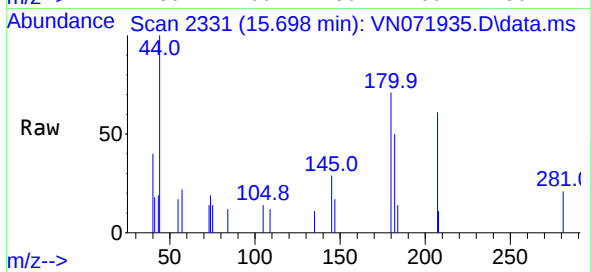
Tgt Ion:	128	Resp:	7554
Ion Ratio	Lower	Upper	
128	100		
127	11.4	10.3	15.5
129	7.8	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.651 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071935.D
 Acq: 11 Apr 2022 14:52

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1819
Ion	Ratio	Lower	Upper
180	100		
182	80.2	47.8	143.3
145	30.7	15.5	46.5

