

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071939.D
 Acq On : 11 Apr 2022 16:28
 Operator : JC\MD
 Sample : PB143992ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:40:53 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

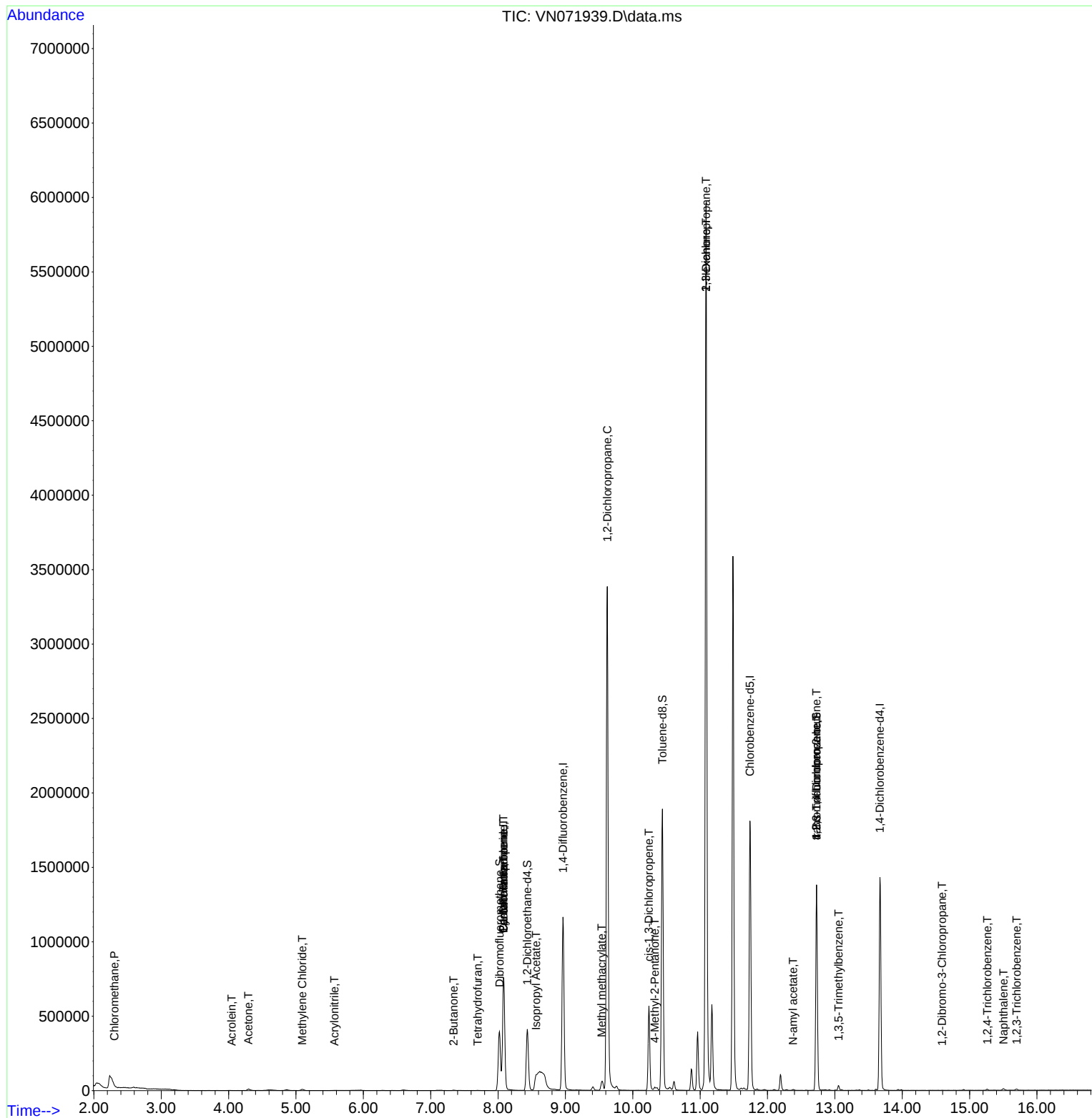
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	634000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1095523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1147122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	435601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	339540	46.912	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.820%
35) Dibromofluoromethane	8.022	113	303238	47.039	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.080%
50) Toluene-d8	10.439	98	1389627	52.695	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.380%
62) 4-Bromofluorobenzene	12.727	95	486871	57.085	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	114.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	2336	0.366	ug/l #	70
13) Acrolein	4.045	56	379	0.265	ug/l #	16
15) Acrylonitrile	5.569	53	774	0.227	ug/l #	17
16) Acetone	4.293	43	17519	5.664	ug/l	100
20) Methylene Chloride	5.093	84	7177	1.101	ug/l #	88
25) 2-Butanone	7.339	43	4777	1.071	ug/l #	85
29) Tetrahydrofuran	7.698	42	1324	0.459	ug/l #	56
31) Cyclohexane	8.081	56	10105	1.027	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	41572	4.618	ug/l #	49
38) Carbon Tetrachloride	8.081	117	55827	6.328	ug/l #	17
43) Isopropyl Acetate	8.563	43	118519	7.232	ug/l #	76
45) 1,2-Dichloropropane	9.622	63	4767	0.671	ug/l #	44
48) Methyl methacrylate	9.539	41	15765	2.319	ug/l #	11
49) 1,4-Dioxane	9.575	88	146	Below Cal	#	25
51) 4-Methyl-2-Pentanone	10.327	43	11322	1.202	ug/l #	82
54) cis-1,3-Dichloropropene	10.239	75	114844	10.445	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	70842	5.727	ug/l #	43
59) 2-Hexanone	11.086	43	835383	125.921	ug/l #	49
74) N-amyl acetate	12.380	43	3679	0.350	ug/l	91
76) 1,2,3-Trichloropropane	12.727	75	230521	22.844	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	16992	0.584	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	230521	70.793	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.592	75	446	0.235	ug/l #	56
93) 1,2,4-Trichlorobenzene	15.262	180	3228	2.532	ug/l	98
95) Naphthalene	15.504	128	12783	4.398	ug/l	98
96) 1,2,3-Trichlorobenzene	15.698	180	3868	2.962	ug/l	98

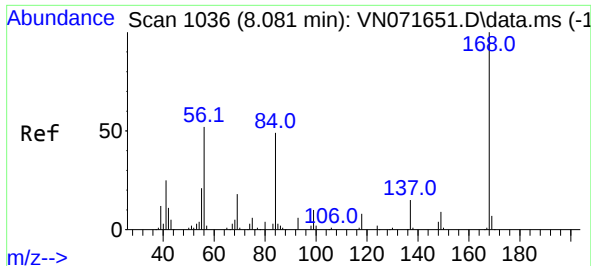
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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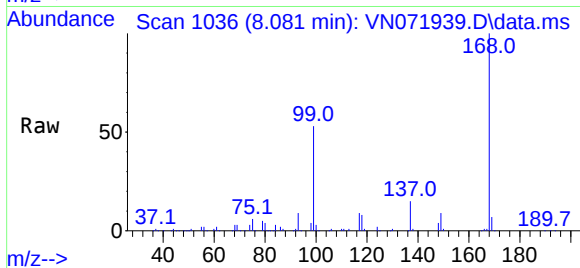
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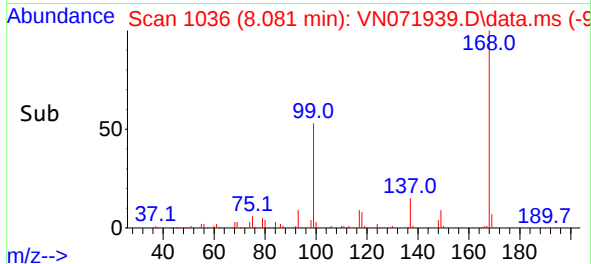
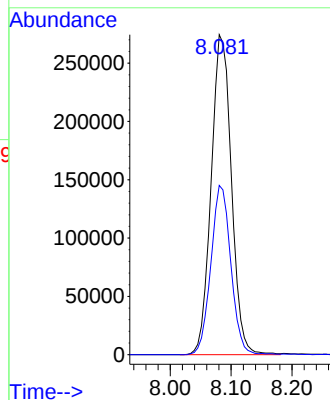


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Instrument :
MSVOA_N
ClientSampleId :

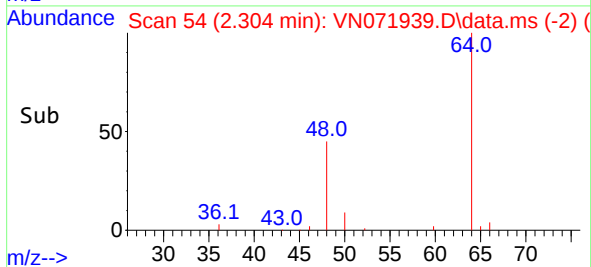
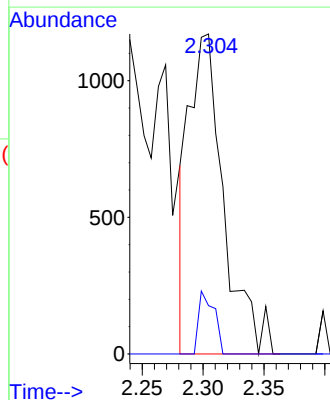
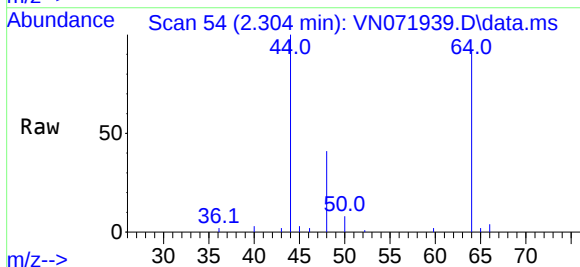


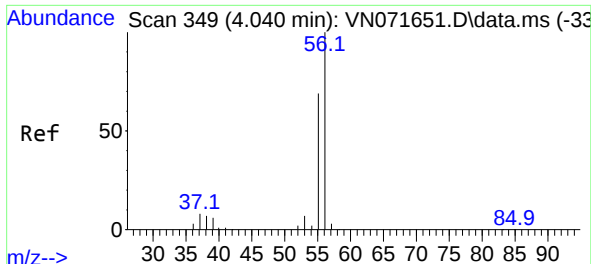
Tgt Ion:168 Resp: 634000
Ion Ratio Lower Upper
168 100
99 52.9 42.3 63.5



#3
Chloromethane
Concen: 0.366 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Tgt Ion: 50 Resp: 2336
Ion Ratio Lower Upper
50 100
52 15.1 25.7 38.5#

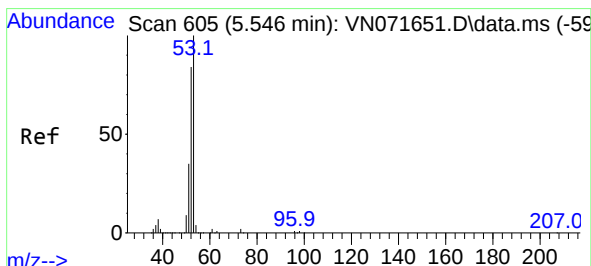
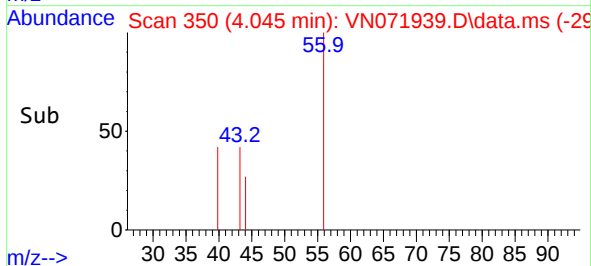
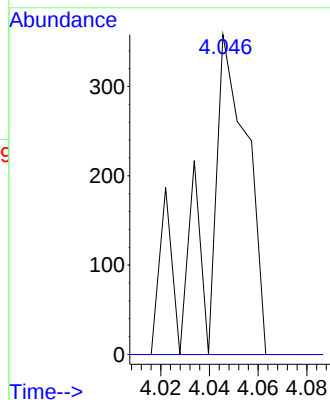
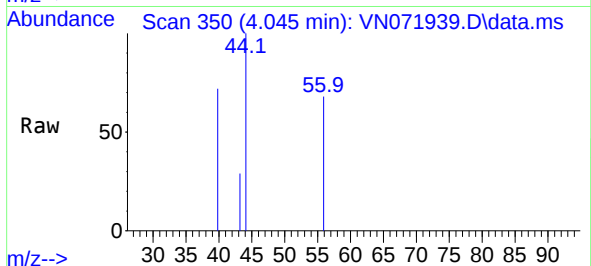




#13
Acrolein
Concen: 0.265 ug/l
RT: 4.045 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

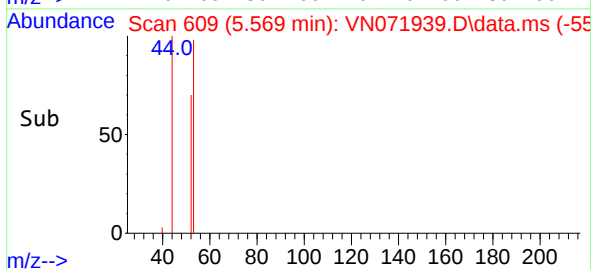
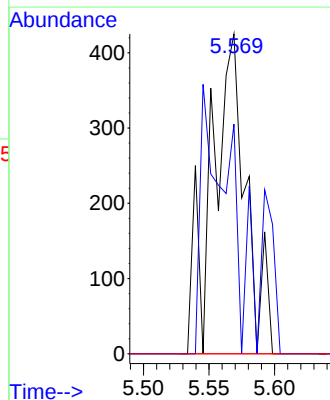
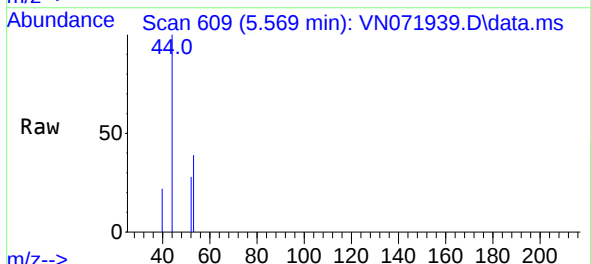
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#15
Acrylonitrile
Concen: 0.227 ug/l
RT: 5.569 min Scan# 609
Delta R.T. 0.023 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Tgt Ion: 53 Resp: 774
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 0.0 28.5 42.7#

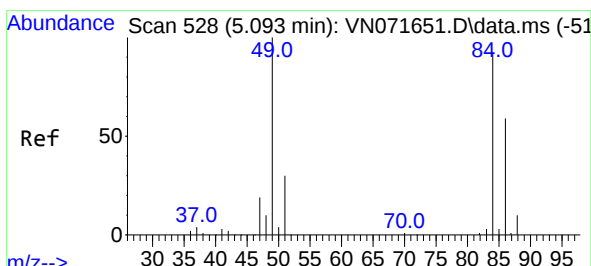
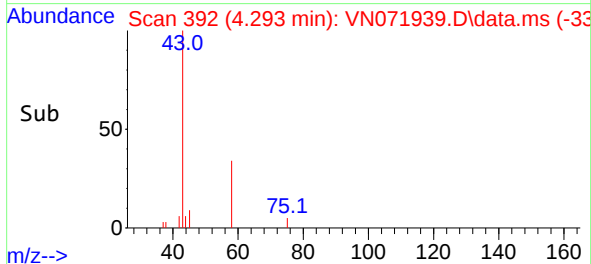
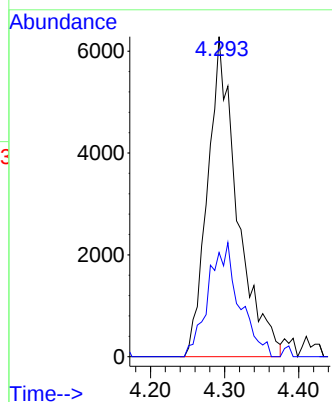
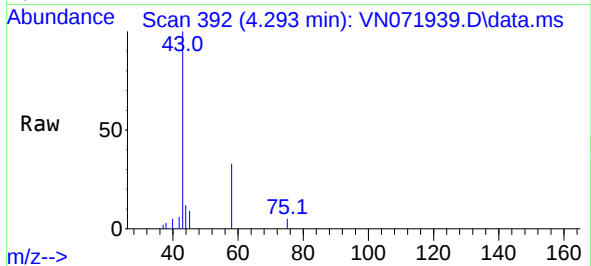




#16
Acetone
Concen: 5.664 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

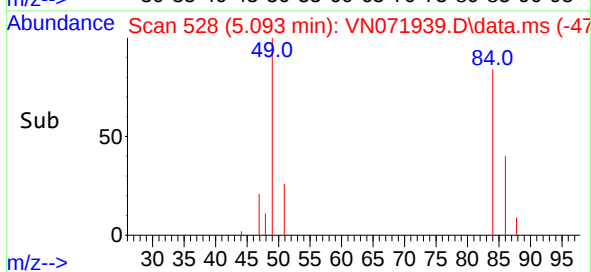
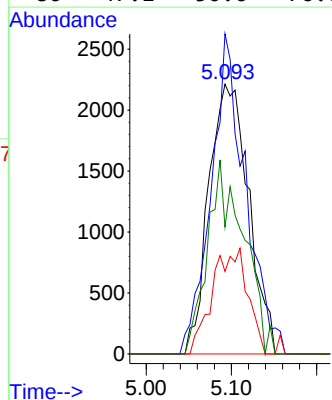
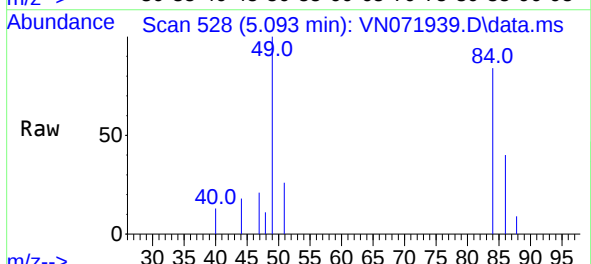
Instrument :
MSVOA_N
ClientSampleId :

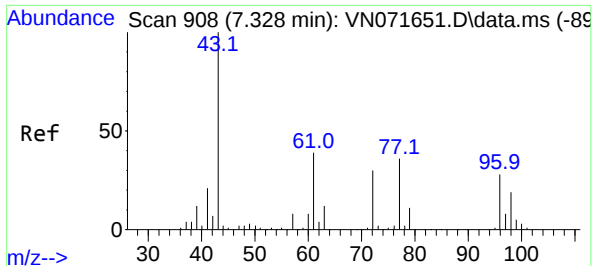
Tgt Ion: 43 Resp: 17519
Ion Ratio Lower Upper
43 100
58 32.5 26.0 39.0



#20
Methylene Chloride
Concen: 1.101 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Tgt Ion: 84 Resp: 7177
Ion Ratio Lower Upper
84 100
49 118.6 88.3 132.5
51 30.6 28.2 42.2
86 47.1 50.6 76.0#





#25

2-Butanone

Concen: 1.071 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN071939.D

Acq: 11 Apr 2022 16:28

Instrument :

MSVOA_N

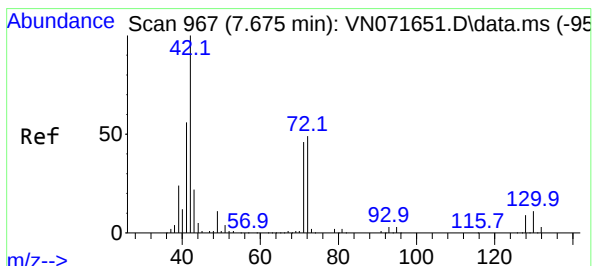
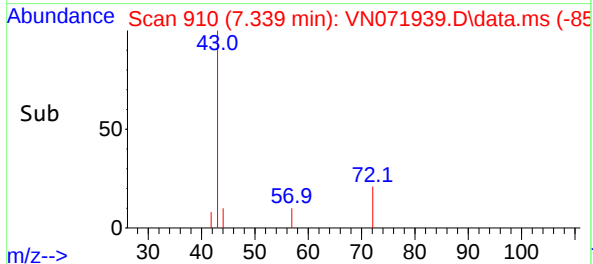
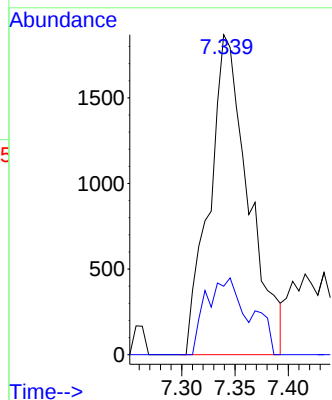
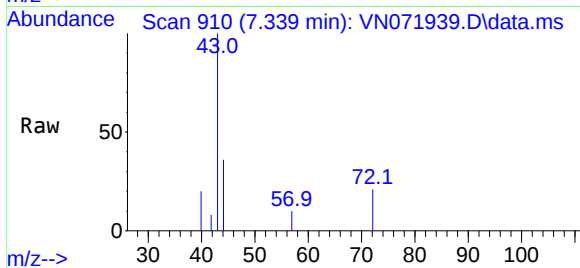
ClientSampleId :

Tgt Ion: 43 Resp: 4777

Ion Ratio Lower Upper

43 100

72 21.4 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.459 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.023 min

Lab File: VN071939.D

Acq: 11 Apr 2022 16:28

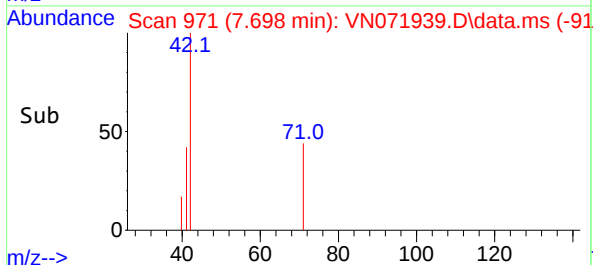
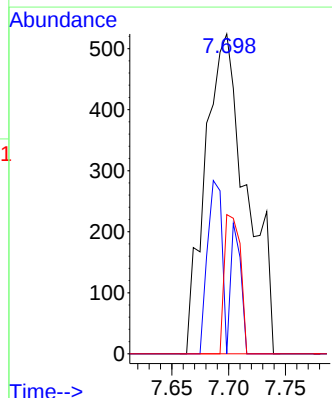
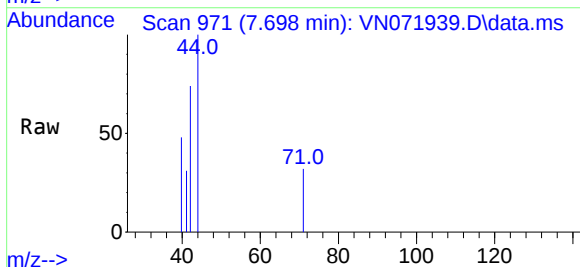
Tgt Ion: 42 Resp: 1324

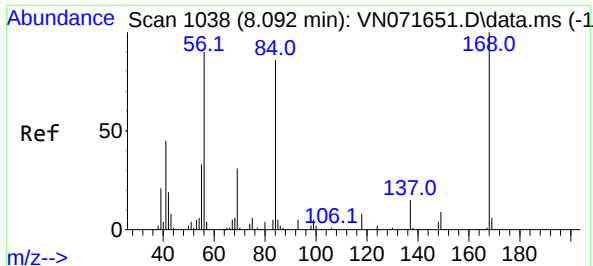
Ion Ratio Lower Upper

42 100

72 19.0 39.7 59.5#

71 16.8 36.6 55.0#





#31

Cyclohexane

Concen: 1.027 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN071939.D

Acq: 11 Apr 2022 16:28

Instrument :

MSVOA_N

ClientSampleId :

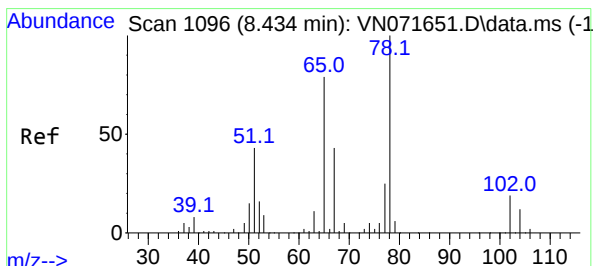
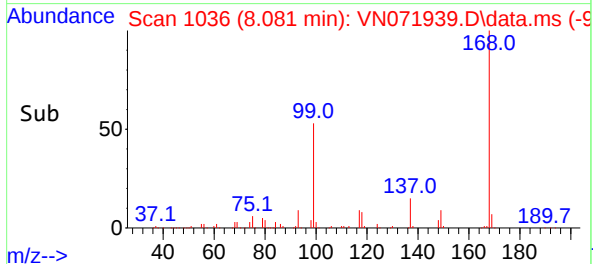
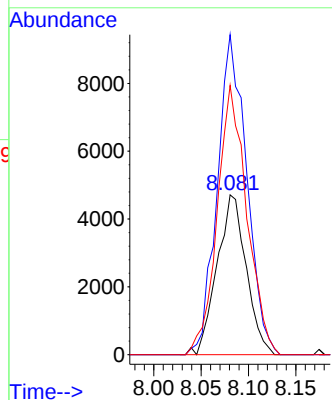
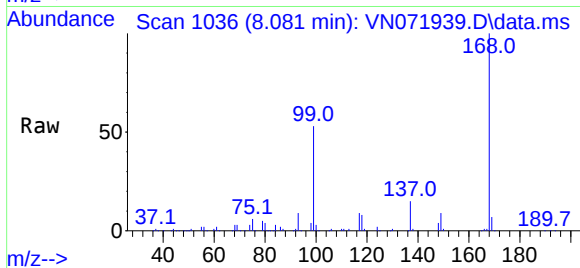
Tgt Ion: 56 Resp: 10105

Ion Ratio Lower Upper

56 100

69 200.1 27.8 41.8#

84 168.4 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 46.912 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071939.D

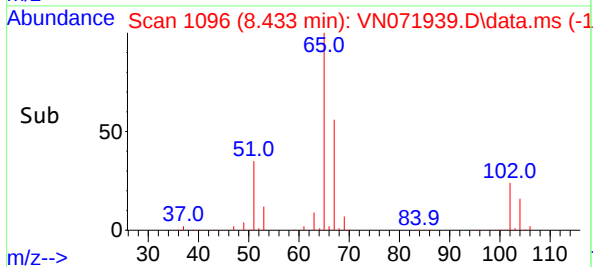
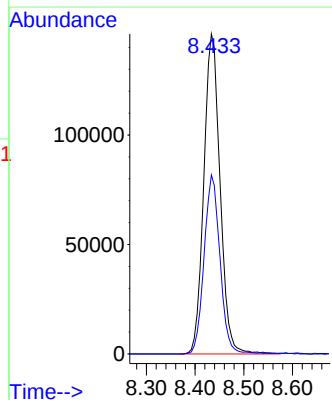
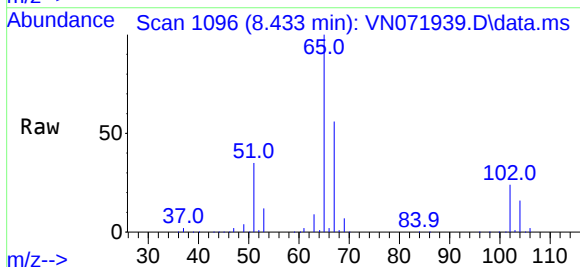
Acq: 11 Apr 2022 16:28

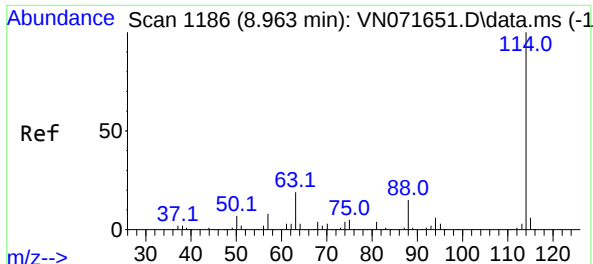
Tgt Ion: 65 Resp: 339540

Ion Ratio Lower Upper

65 100

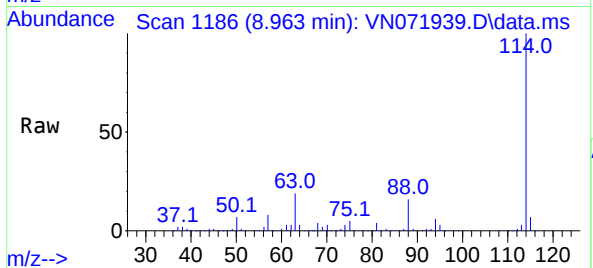
67 54.6 0.0 104.8



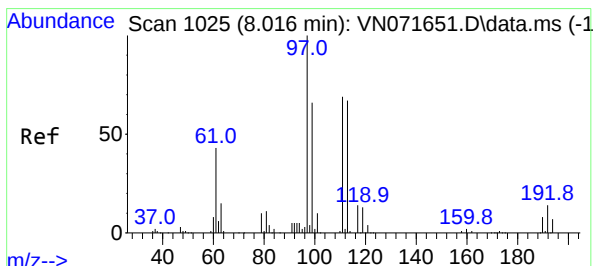
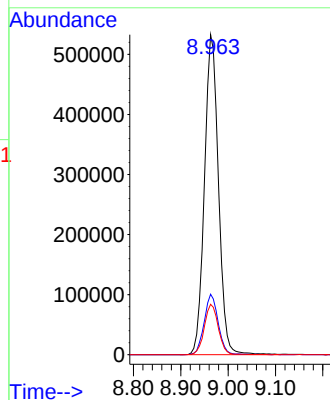
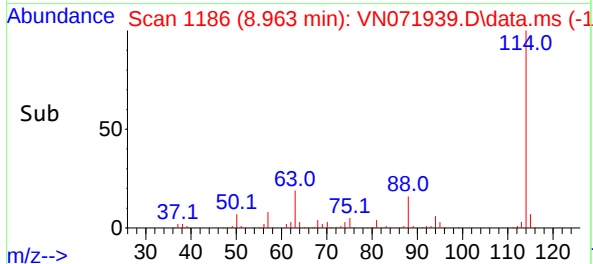


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

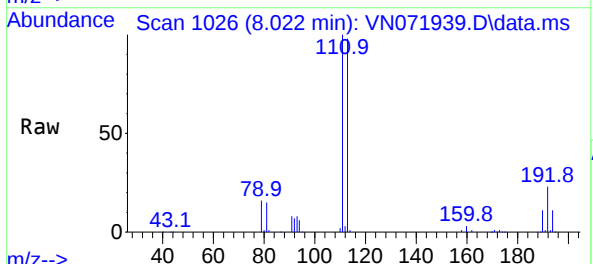
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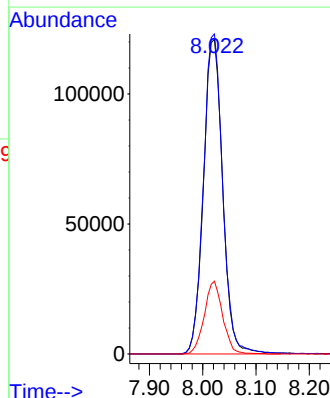
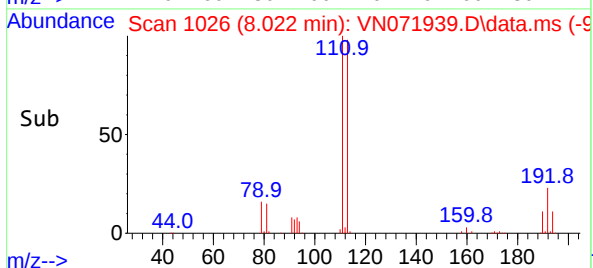
Tgt Ion:114 Resp: 1095523
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 15.8 0.0 32.6

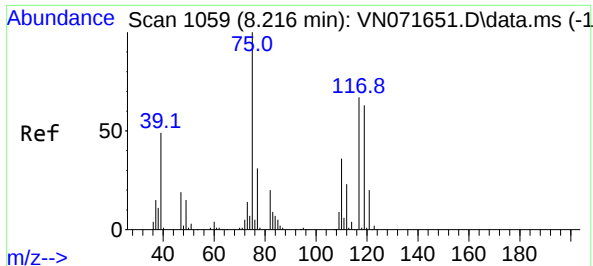


#35
Dibromofluoromethane
Concen: 47.039 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28



Tgt Ion:113 Resp: 303238
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.0
192 22.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

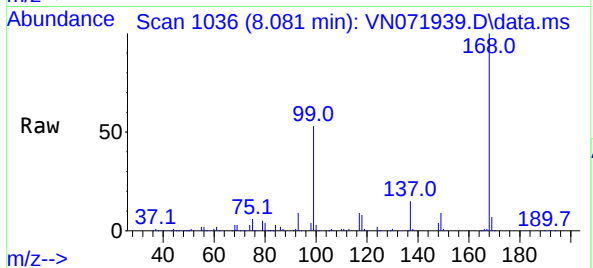
Lab File: VN071939.D

Acq: 11 Apr 2022 16:28

Instrument :

MSVOA_N

ClientSampleId :



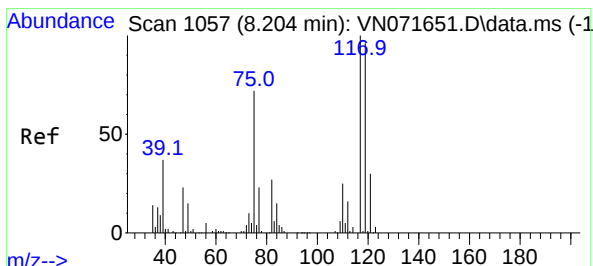
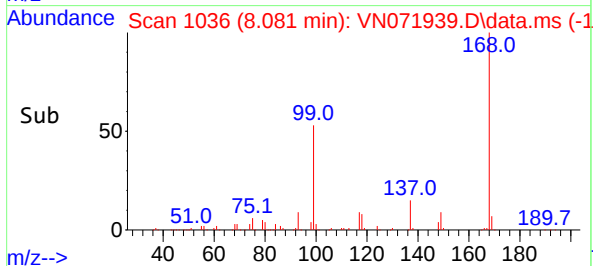
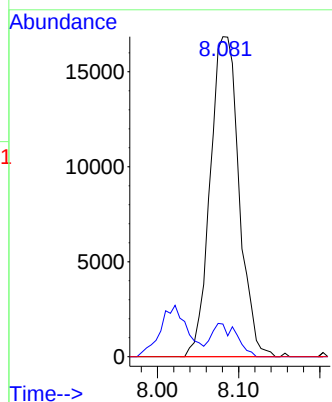
Tgt Ion: 75 Resp: 41572

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.328 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN071939.D

Acq: 11 Apr 2022 16:28

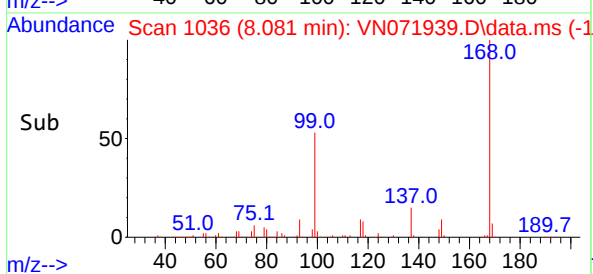
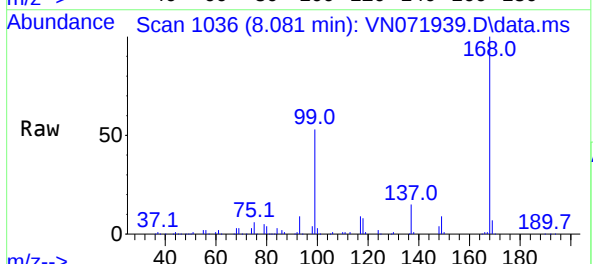
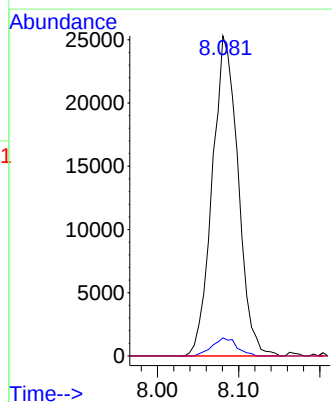
Tgt Ion: 117 Resp: 55827

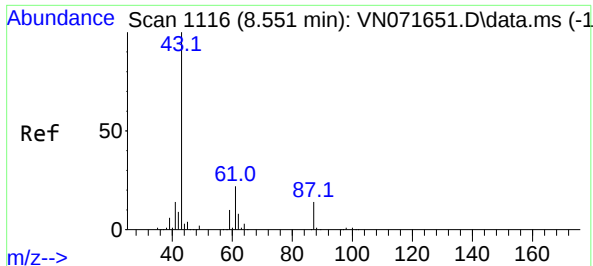
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.8#

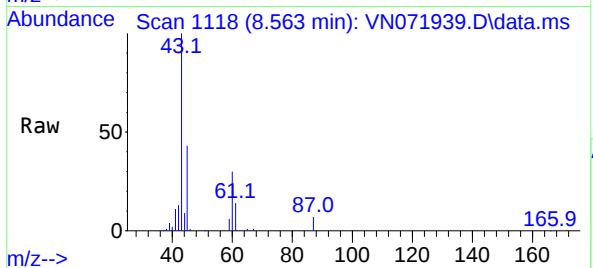
121 0.0 24.6 37.0#



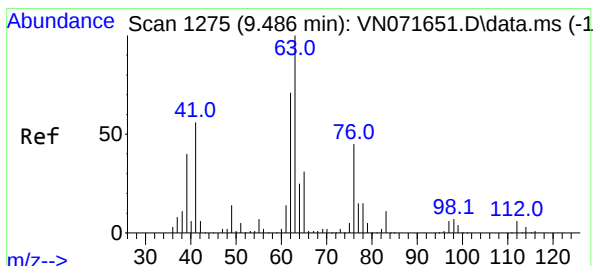
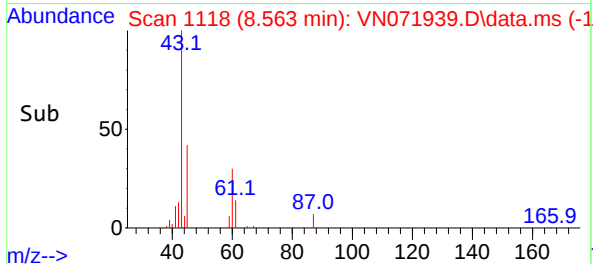
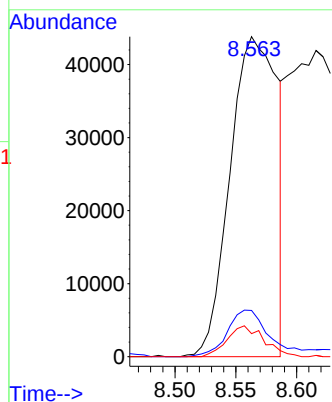


#43
Isopropyl Acetate
Concen: 7.232 ug/l
RT: 8.563 min Scan# 1116
Delta R.T. 0.012 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Instrument :
MSVOA_N
ClientSampleId :

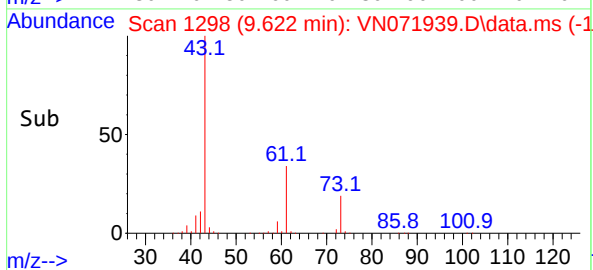
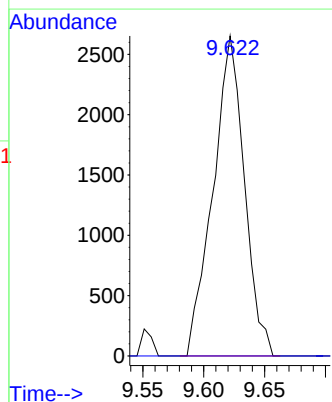
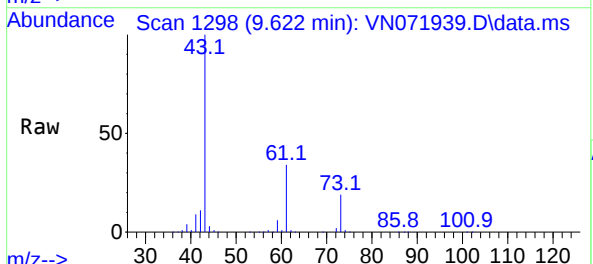


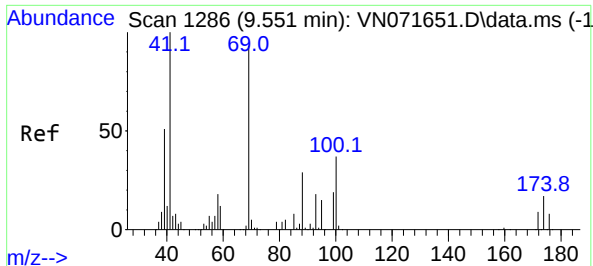
Tgt Ion: 43 Resp: 118519
Ion Ratio Lower Upper
43 100
61 13.3 21.9 32.9#
87 7.5 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.671 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Tgt Ion: 63 Resp: 4767
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.319 ug/l

RT: 9.539 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN071939.D

Acq: 11 Apr 2022 16:28

Instrument :

MSVOA_N

ClientSampleId :

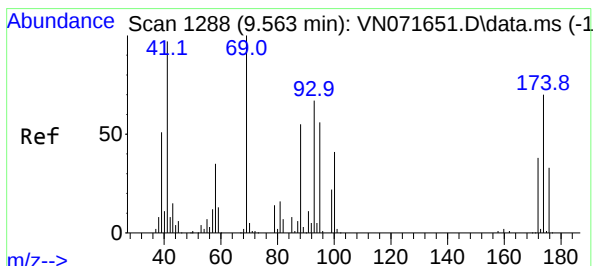
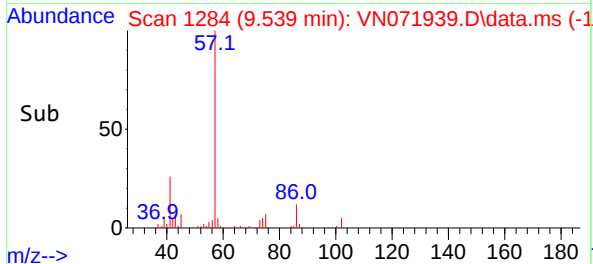
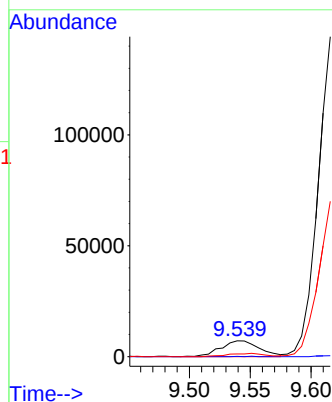
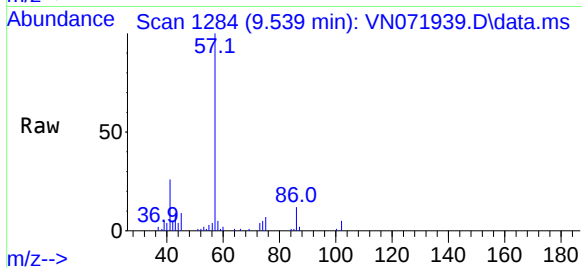
Tgt Ion: 41 Resp: 15765

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: 9.575 min Scan# 1290

Delta R.T. 0.012 min

Lab File: VN071939.D

Acq: 11 Apr 2022 16:28

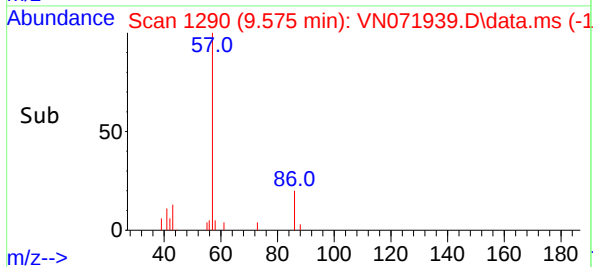
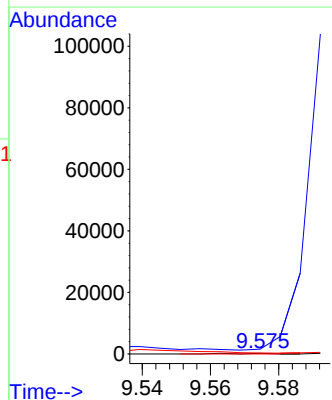
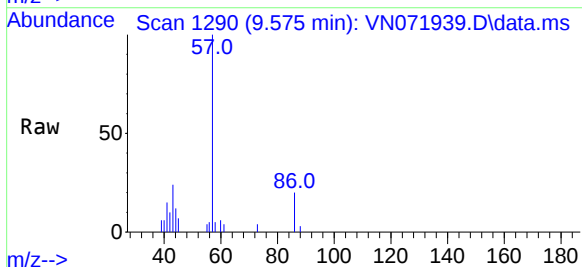
Tgt Ion: 88 Resp: 146

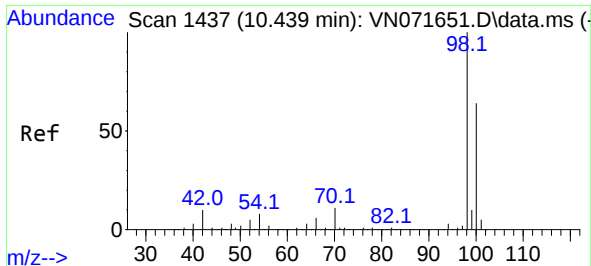
Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 0.0 54.2 81.4#

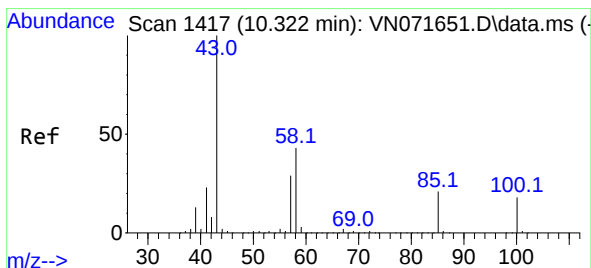
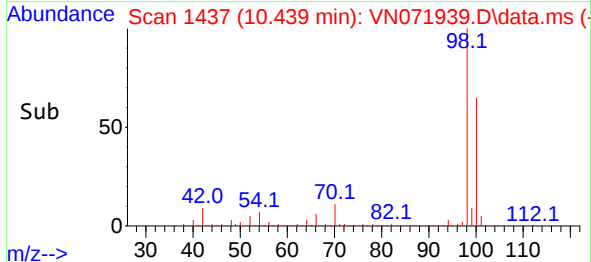
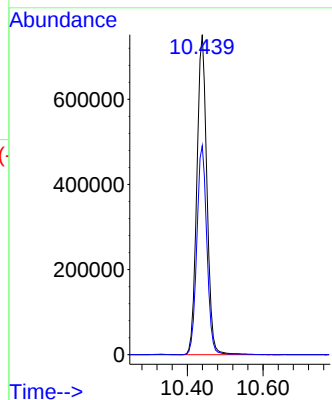
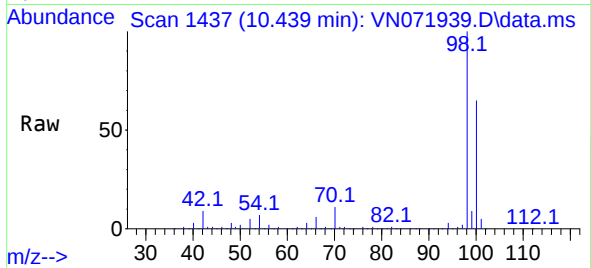




#50
Toluene-d8
Concen: 52.695 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

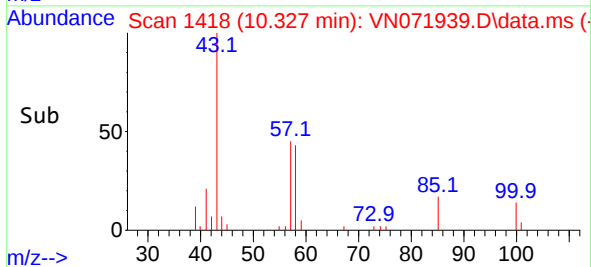
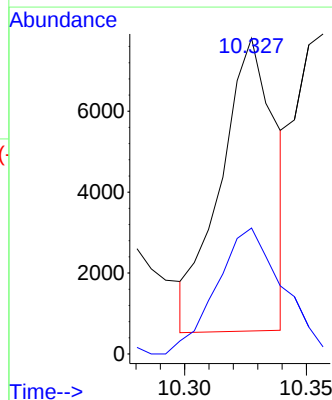
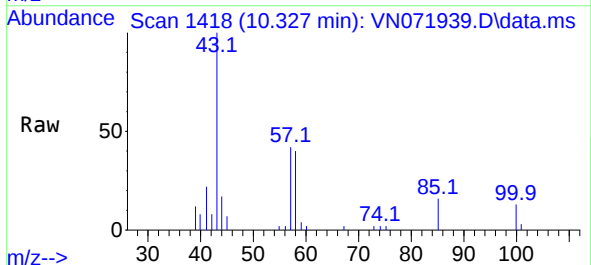
Instrument :
MSVOA_N
ClientSampleId :

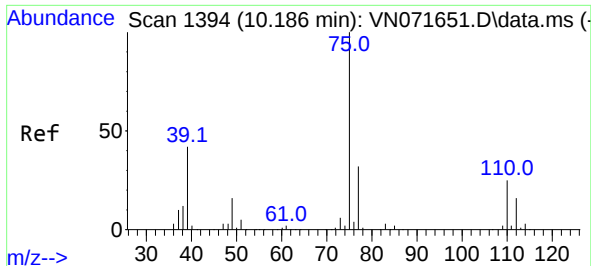
Tgt Ion: 98 Resp: 1389627
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.202 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Tgt Ion: 43 Resp: 11322
Ion Ratio Lower Upper
43 100
58 54.0 34.1 51.1#

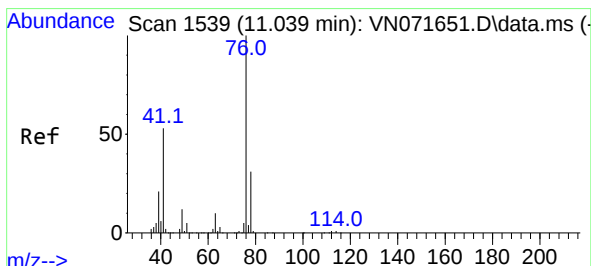
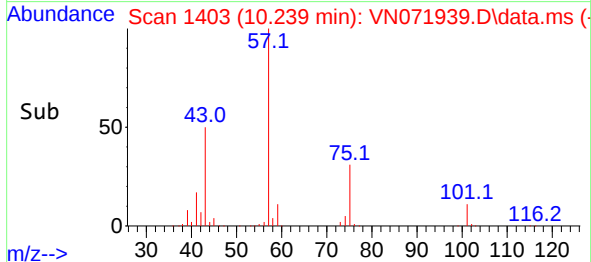
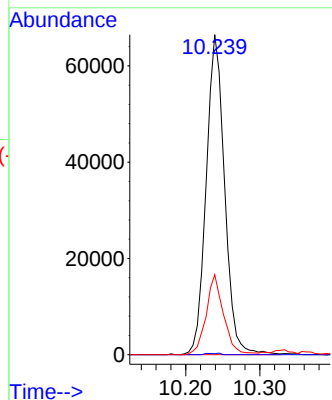
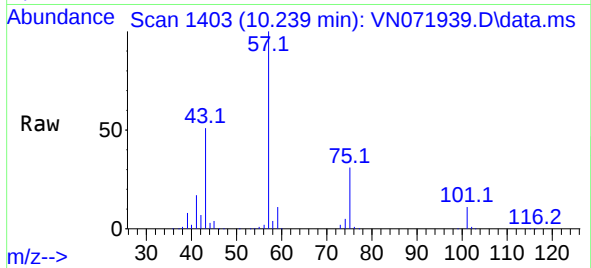




#54
cis-1,3-Dichloropropene
Concen: 10.445 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

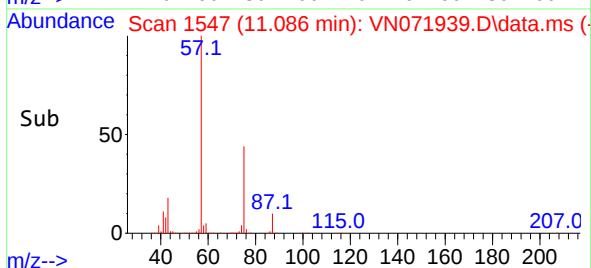
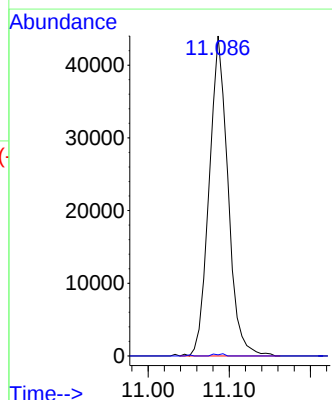
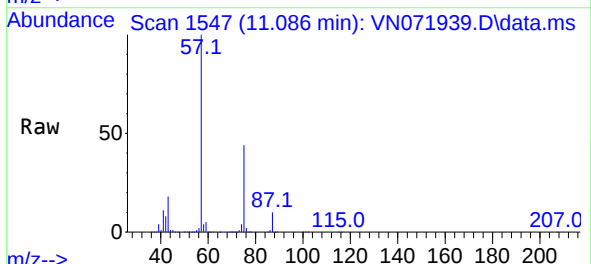
Instrument :
MSVOA_N
ClientSampleId :

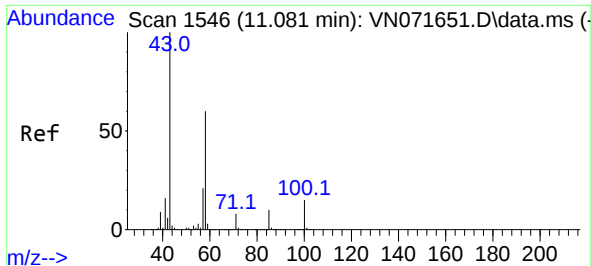
Tgt Ion: 75 Resp: 114844
Ion Ratio Lower Upper
75 100
77 0.3 25.2 37.8#
39 25.0 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 5.727 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Tgt Ion: 76 Resp: 70842
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#





#59

2-Hexanone

Concen: 125.921 ug/l

RT: 11.086 min Scan# 1546

Delta R.T. 0.005 min

Lab File: VN071939.D

Acq: 11 Apr 2022 16:28

Instrument :

MSVOA_N

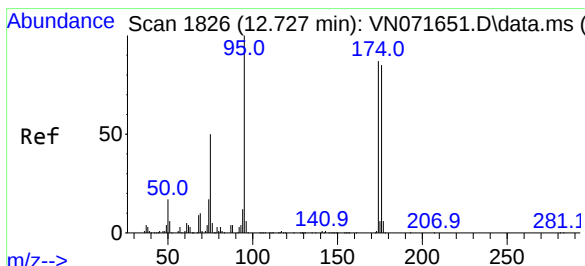
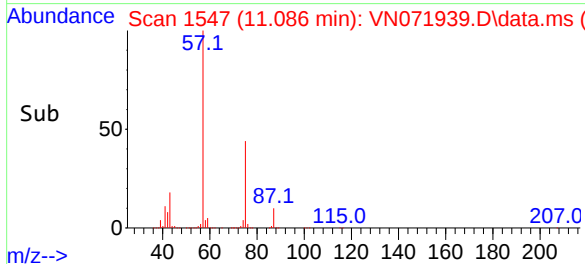
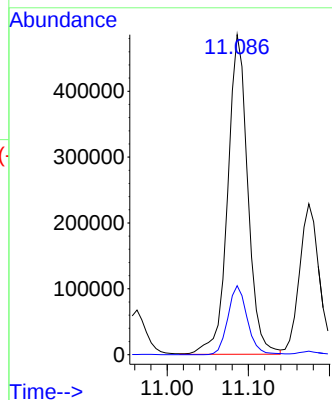
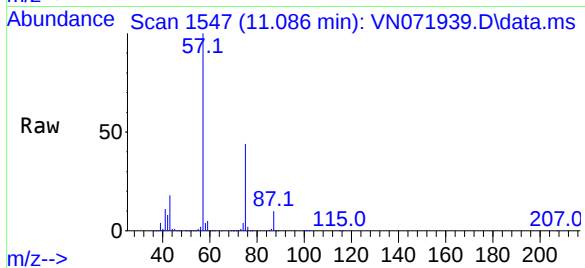
ClientSampleId :

Tgt Ion: 43 Resp: 835383

Ion Ratio Lower Upper

43 100

58 20.9 29.7 89.1#



#62

4-Bromofluorobenzene

Concen: 57.085 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN071939.D

Acq: 11 Apr 2022 16:28

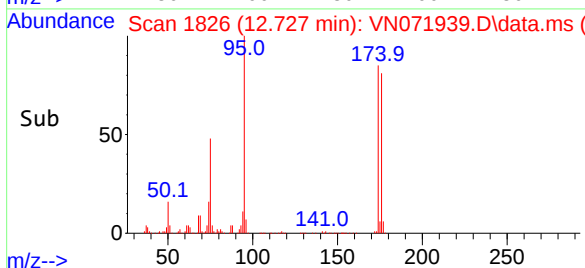
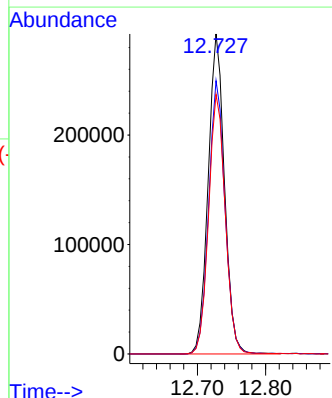
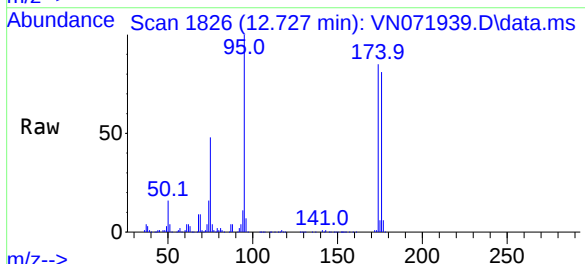
Tgt Ion: 95 Resp: 486871

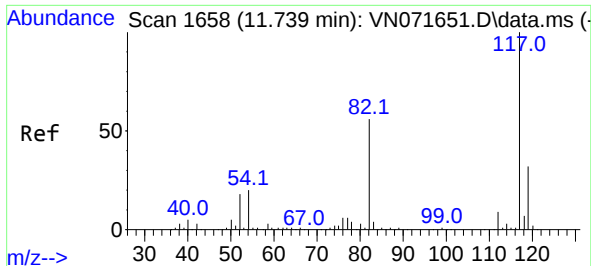
Ion Ratio Lower Upper

95 100

174 85.6 0.0 167.6

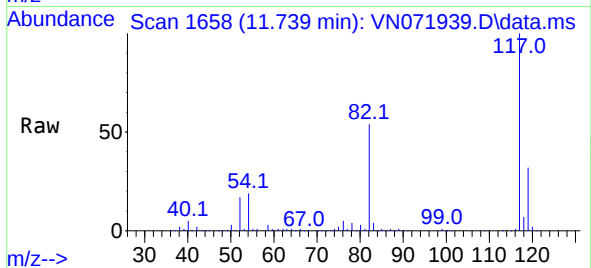
176 82.5 0.0 163.4



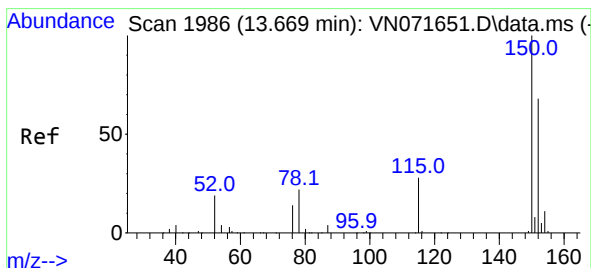
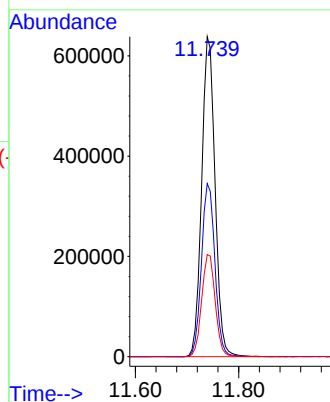
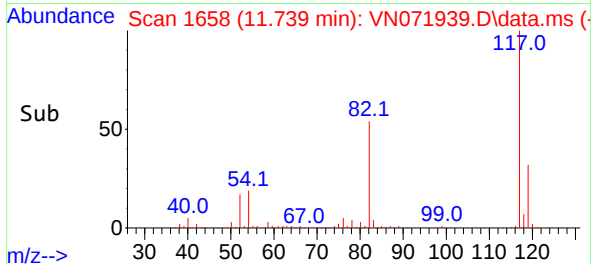


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Instrument :
MSVOA_N
ClientSampleId :

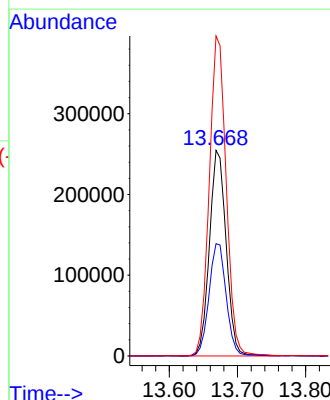
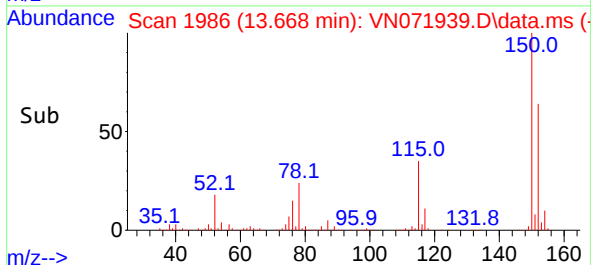
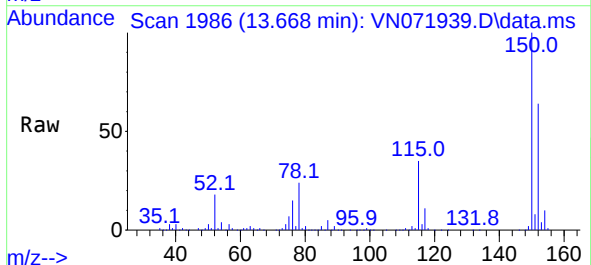


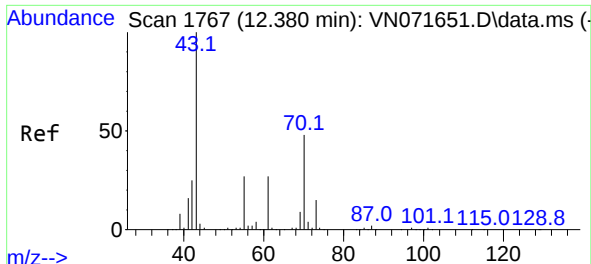
Tgt Ion:117 Resp: 1147122
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

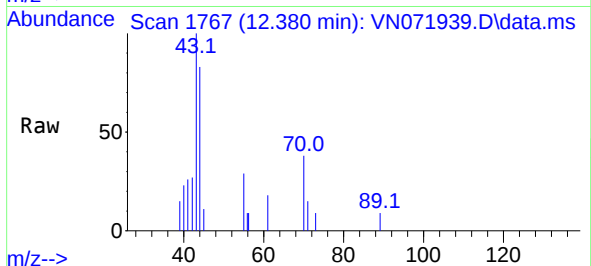
Tgt Ion:152 Resp: 435601
Ion Ratio Lower Upper
152 100
115 56.2 28.9 86.7
150 156.8 0.0 356.2





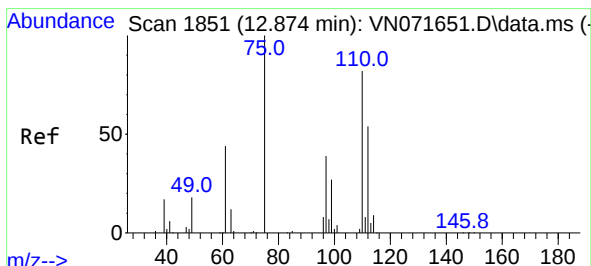
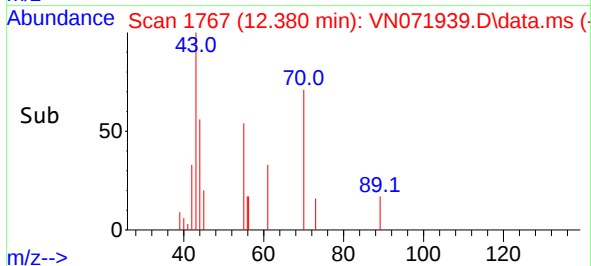
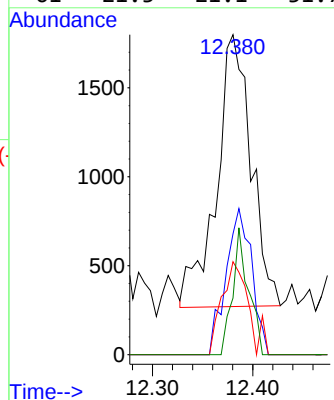
#74
N-amy1 acetate
Concen: 0.350 ug/l
RT: 12.380 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 3679

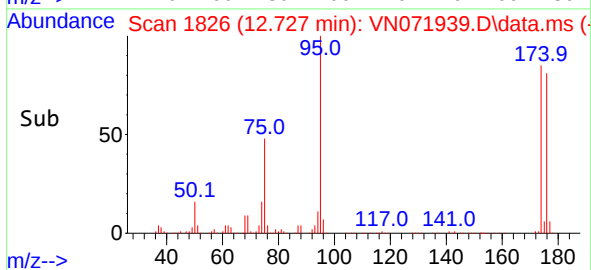
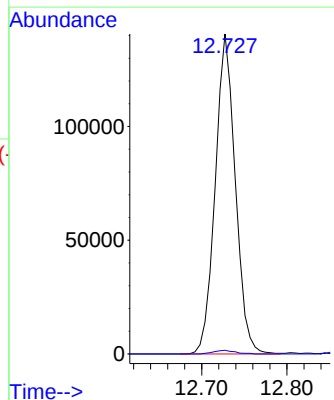
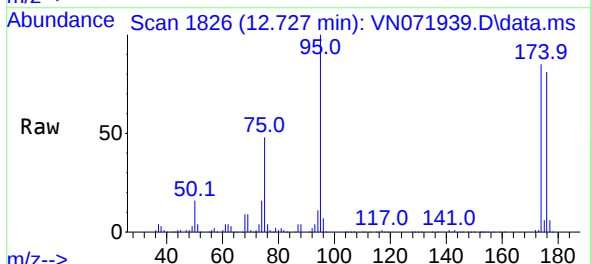
Ion	Ratio	Lower	Upper
43	100		
70	39.9	39.0	58.4
55	26.0	21.1	31.7
61	21.3	21.1	31.7

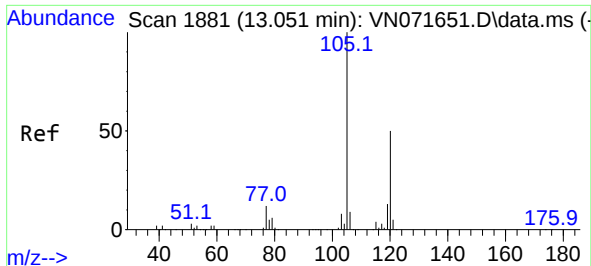


#76
1,2,3-Trichloropropane
Concen: 22.844 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Tgt Ion: 75 Resp: 230521

Ion	Ratio	Lower	Upper
75	100		
77	1.2	98.5	295.5#

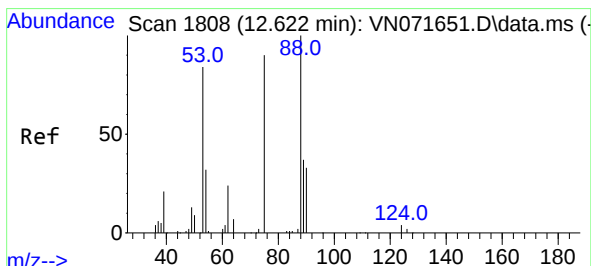
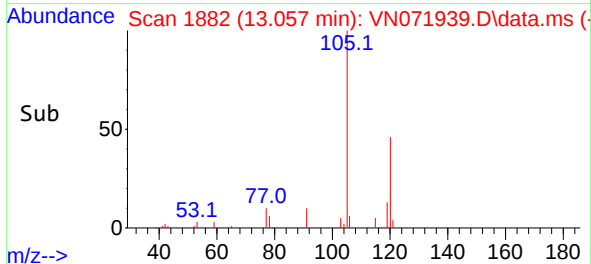
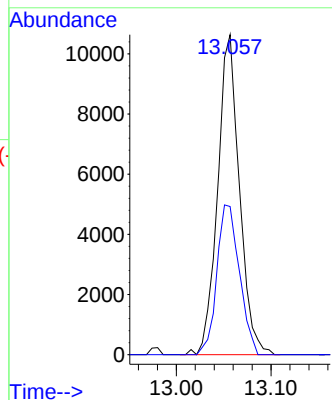
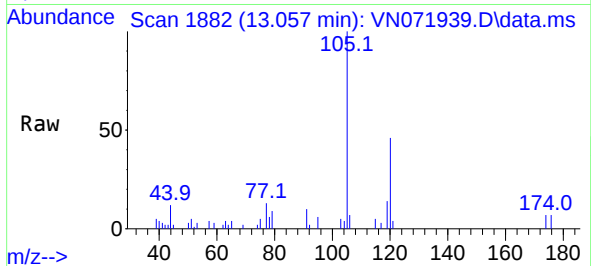




#80
 1,3,5-Trimethylbenzene
 Concen: 0.584 ug/l
 RT: 13.057 min Scan# 1881
 Delta R.T. 0.006 min
 Lab File: VN071939.D
 Acq: 11 Apr 2022 16:28

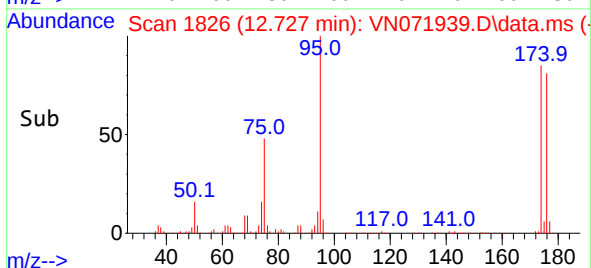
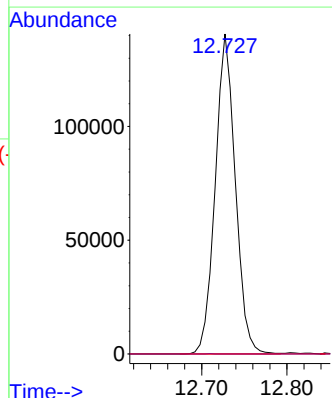
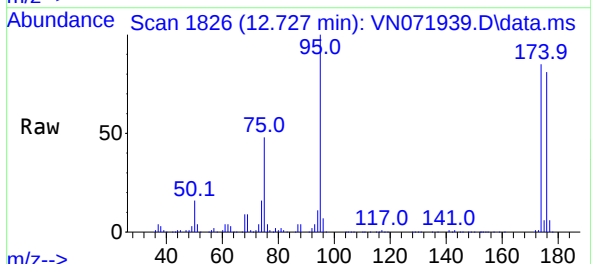
Instrument :
 MSVOA_N
 ClientSampleId :

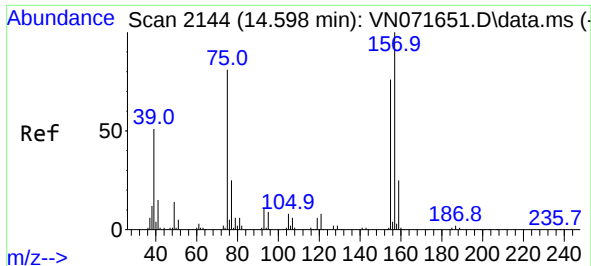
Tgt Ion:105 Resp: 16992
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.793 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.105 min
 Lab File: VN071939.D
 Acq: 11 Apr 2022 16:28

Tgt Ion: 75 Resp: 230521
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

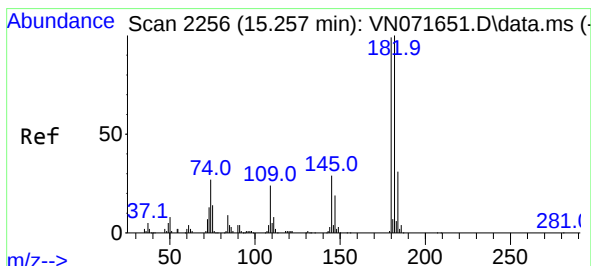
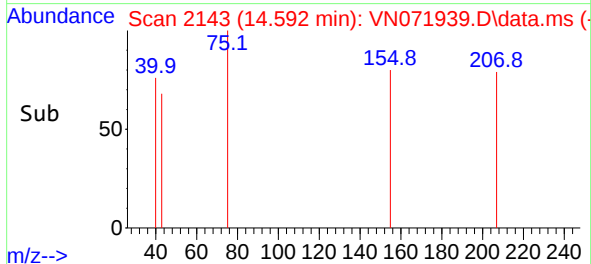
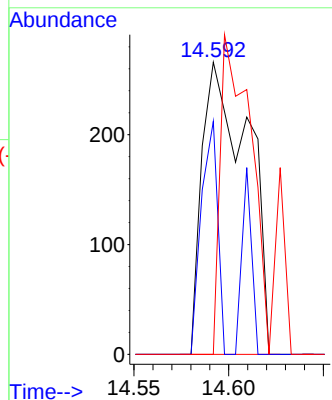
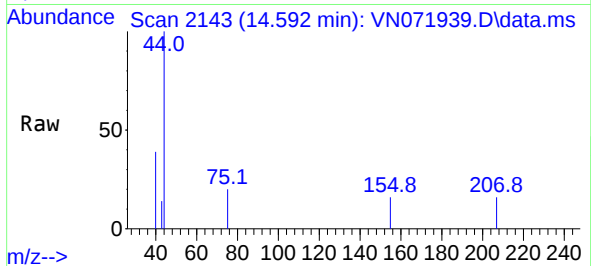




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.235 ug/l
RT: 14.592 min Scan# 2144
Delta R.T. -0.006 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

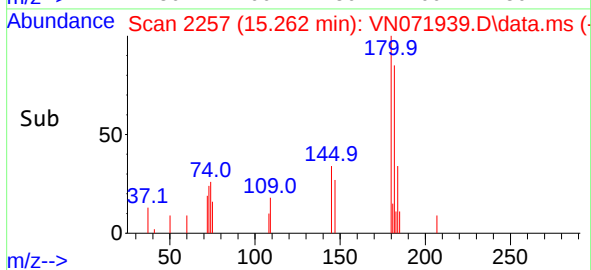
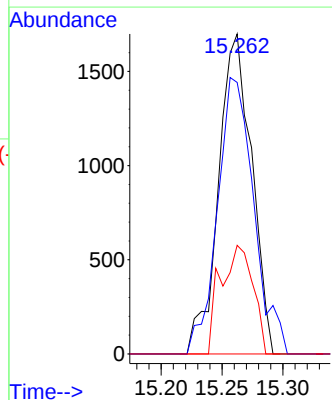
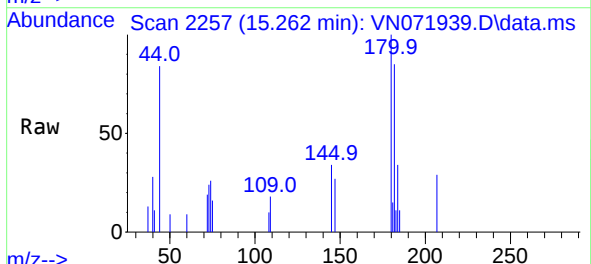
Instrument :
MSVOA_N
ClientSampleId :

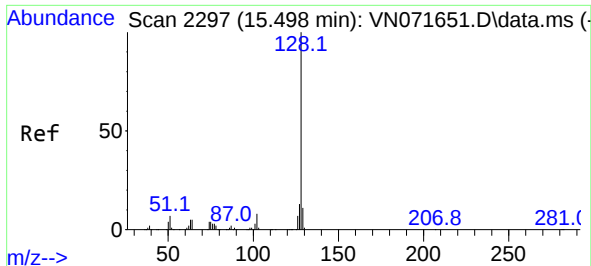
Tgt Ion: 75 Resp: 446
Ion Ratio Lower Upper
75 100
155 28.7 44.9 134.5#
157 86.1 59.0 176.8



#93
1,2,4-Trichlorobenzene
Concen: 2.532 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Tgt Ion: 180 Resp: 3228
Ion Ratio Lower Upper
180 100
182 94.3 47.5 142.5
145 33.0 14.5 43.5

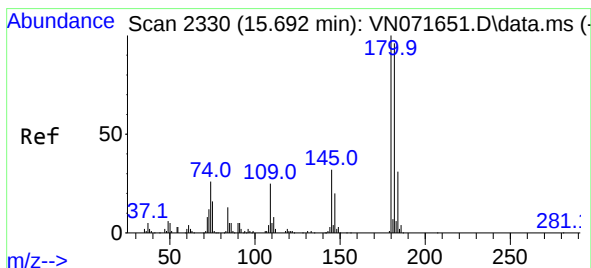
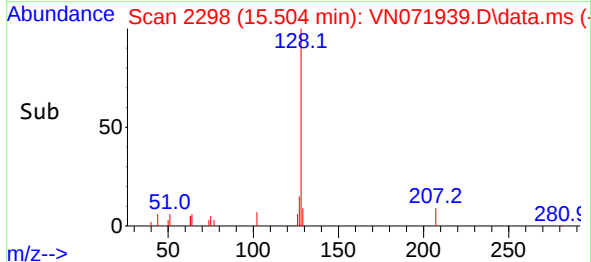
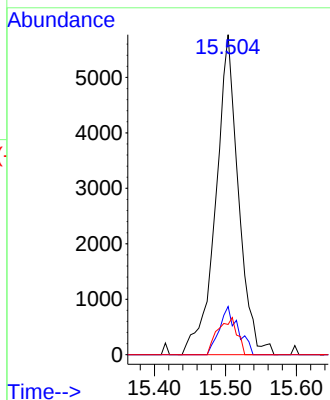
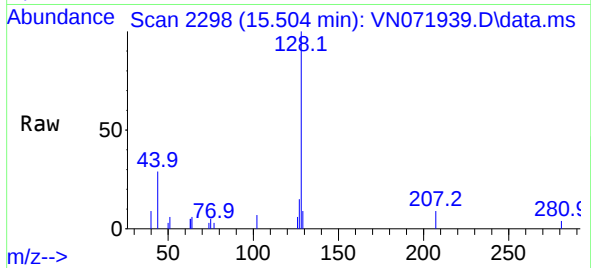




#95
Naphthalene
Concen: 4.398 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	12783
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	9.9	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.962 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071939.D
Acq: 11 Apr 2022 16:28

Tgt Ion:	180	Resp:	3868
Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.8	143.3
145	30.9	15.5	46.5

