

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031022\
 Data File : VN071226.D
 Acq On : 10 Mar 2022 12:05
 Operator : JC\MD
 Sample : VN0310MBL01
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 11 02:10:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

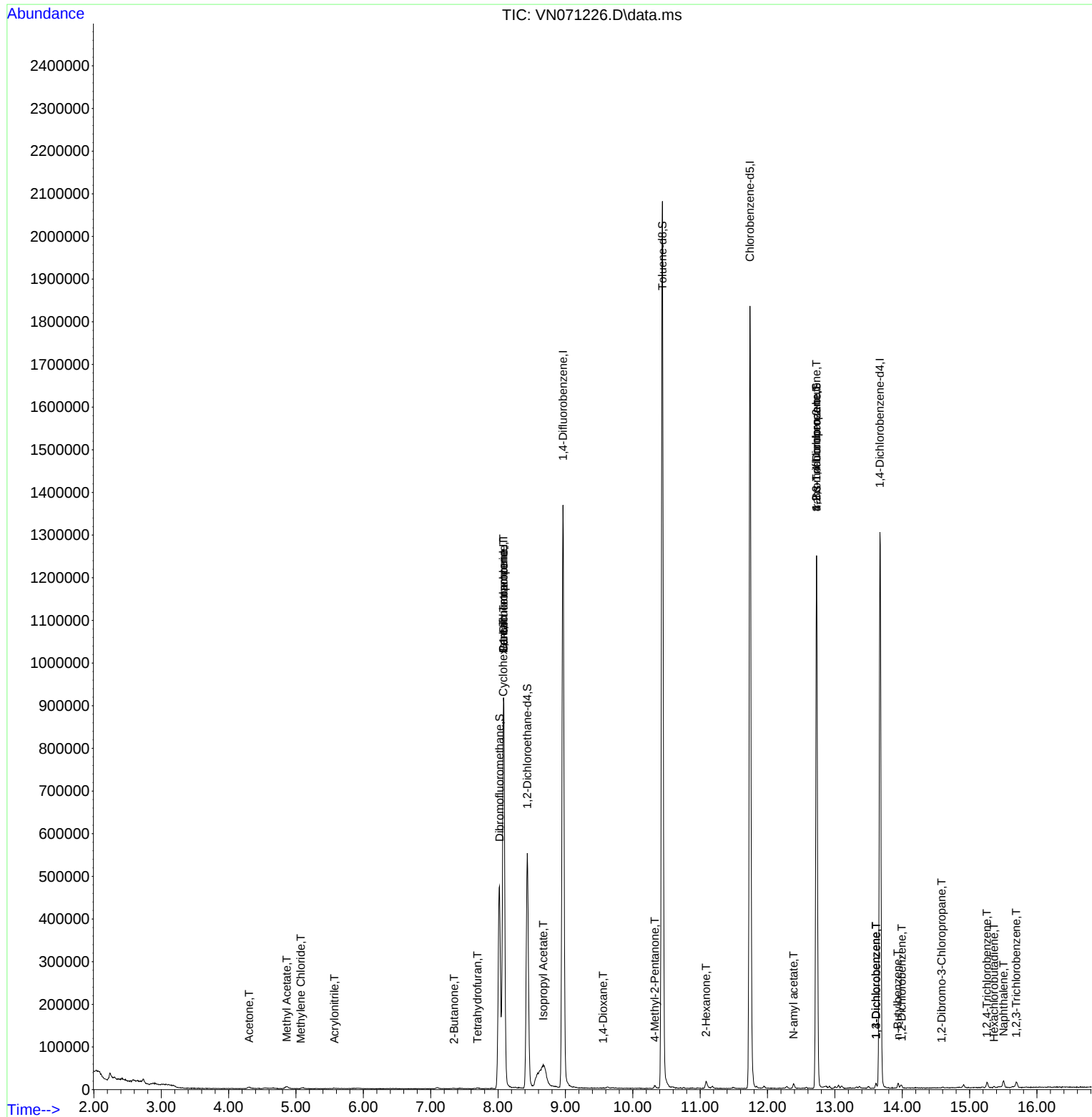
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	726938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1204199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1078025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	366499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	460883	46.260	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.520%
35) Dibromofluoromethane	8.022	113	358186	47.136	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.280%
50) Toluene-d8	10.439	98	1449513	47.377	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.760%
62) 4-Bromofluorobenzene	12.727	95	437102	42.190	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	84.380%
Target Compounds						
					Qvalue	
5) Bromomethane	2.852	94	175	Below Cal	#	3
15) Acrylonitrile	5.569	53	1471	0.253	ug/l #	83
16) Acetone	4.304	43	5231	1.079	ug/l #	84
18) Methyl Acetate	4.863	43	11402	1.338	ug/l #	90
20) Methylene Chloride	5.069	84	350	0.421	ug/l #	55
25) 2-Butanone	7.345	43	1762	0.226	ug/l #	48
29) Tetrahydrofuran	7.692	42	1689	0.312	ug/l #	67
31) Cyclohexane	8.075	56	15869	0.997	ug/l #	27
36) 1,1-Dichloropropene	8.081	75	58010	4.765	ug/l #	48
38) Carbon Tetrachloride	8.081	117	69768	5.924	ug/l #	17
43) Isopropyl Acetate	8.669	43	163246	6.515	ug/l #	56
49) 1,4-Dioxane	9.557	88	146	0.723	ug/l #	68
51) 4-Methyl-2-Pentanone	10.328	43	5384	0.346	ug/l #	86
59) 2-Hexanone	11.086	43	12658	1.193	ug/l	89
74) N-amyl acetate	12.386	43	6448	0.485	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.821	83	1640	Below Cal	#	94
76) 1,2,3-Trichloropropane	12.727	75	225514	23.916	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	225514	66.516	ug/l #	5
87) 1,3-Dichlorobenzene	13.610	146	3244	0.242	ug/l	90
88) 1,4-Dichlorobenzene	13.610	146	3244	0.248	ug/l	90
89) n-Butylbenzene	13.933	91	7199	0.359	ug/l	99
91) 1,2-Dichlorobenzene	13.992	146	3743	0.291	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.586	75	727	0.354	ug/l	84
93) 1,2,4-Trichlorobenzene	15.257	180	5122	3.791	ug/l	90
94) Hexachlorobutadiene	15.362	225	874	0.242	ug/l #	57
95) Naphthalene	15.504	128	16642	5.958	ug/l	98
96) 1,2,3-Trichlorobenzene	15.692	180	5689	3.667	ug/l	95

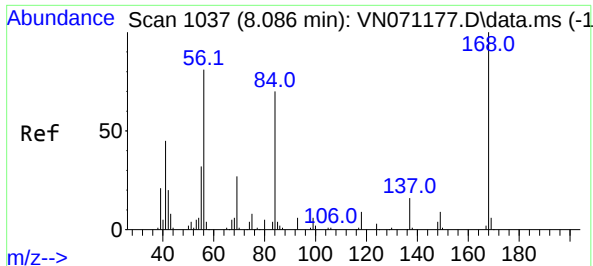
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031022\
Data File : VN071226.D
Acq On : 10 Mar 2022 12:05
Operator : JC\MD
Sample : VN0310MBL01
Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

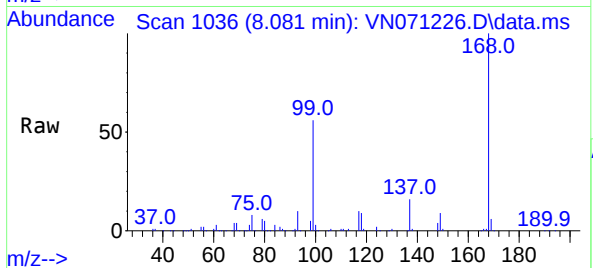
Quant Time: Mar 11 02:10:51 2022
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Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
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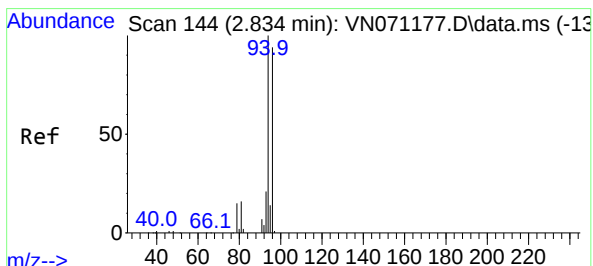
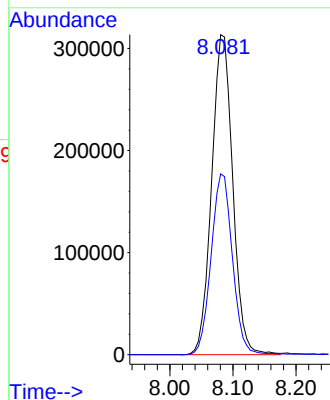
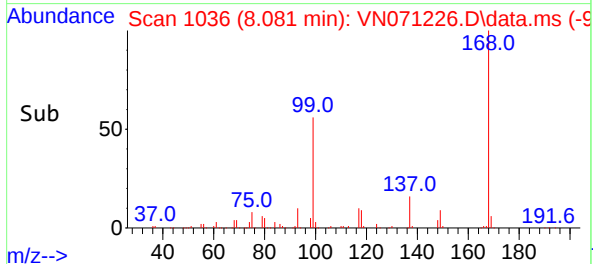


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

Instrument :
MSVOA_N
ClientSampleId :

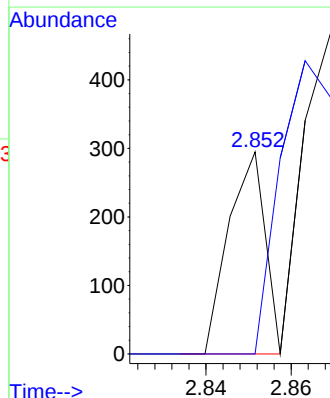
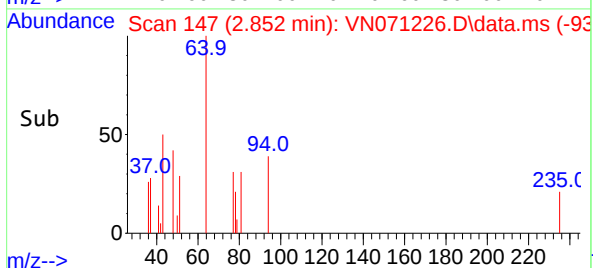
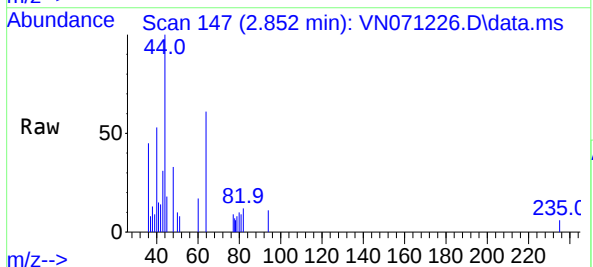


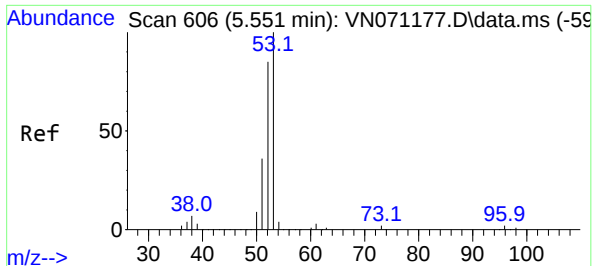
Tgt Ion:168 Resp: 726938
Ion Ratio Lower Upper
168 100
99 56.5 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.852 min Scan# 147
Delta R.T. 0.018 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

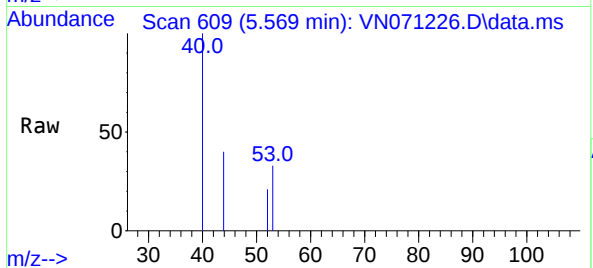
Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



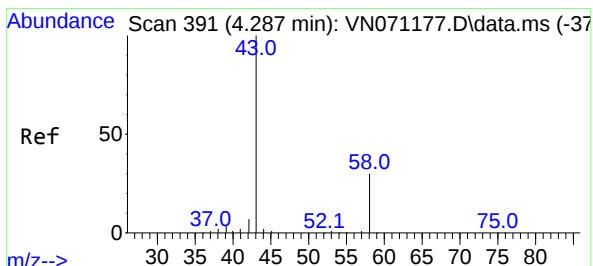
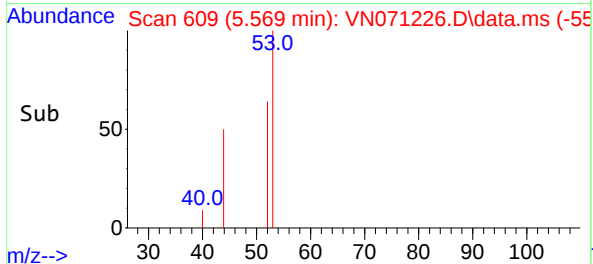
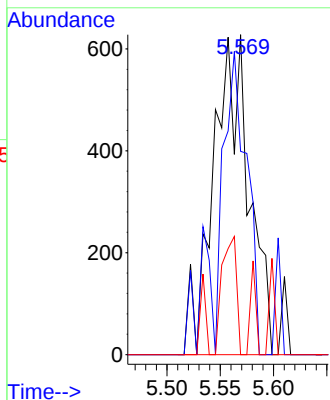


#15
Acrylonitrile
Concen: 0.253 ug/l
RT: 5.569 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

Instrument :
MSVOA_N
ClientSampleId :

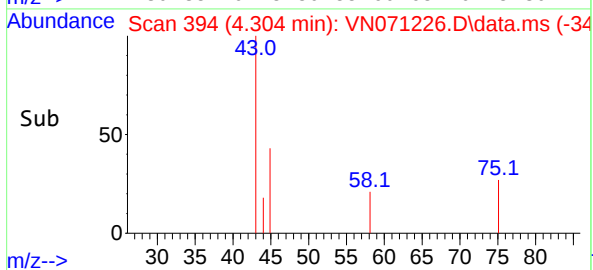
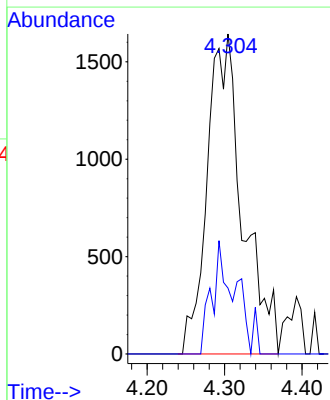
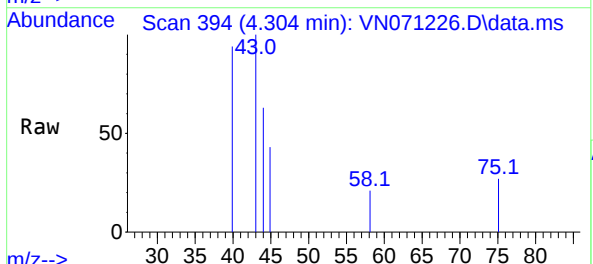


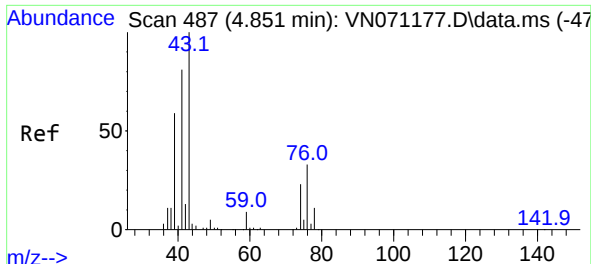
Tgt Ion: 53 Resp: 1471
Ion Ratio Lower Upper
53 100
52 75.1 66.2 99.2
51 14.8 29.6 44.4#



#16
Acetone
Concen: 1.079 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.018 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

Tgt Ion: 43 Resp: 5231
Ion Ratio Lower Upper
43 100
58 20.6 23.1 34.7#

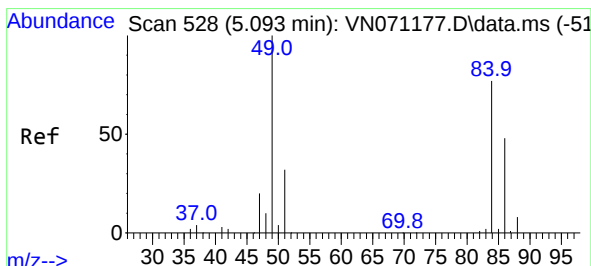
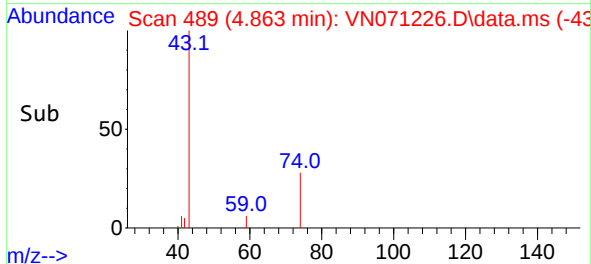
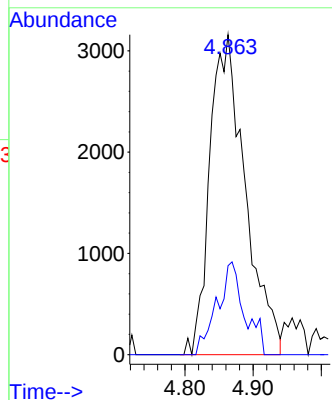
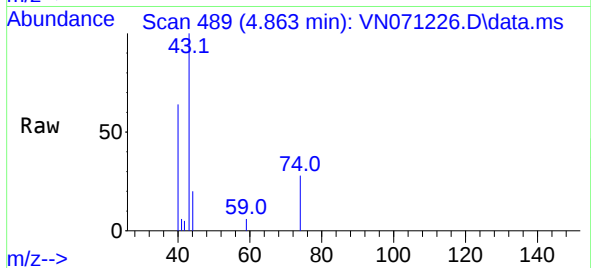




#18
Methyl Acetate
Concen: 1.338 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

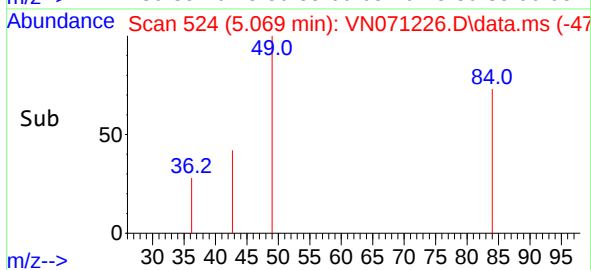
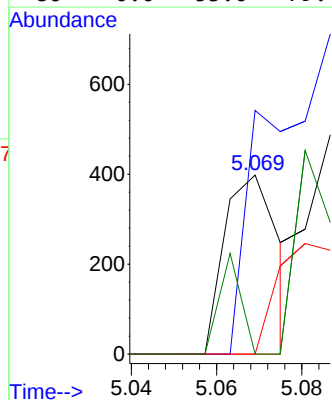
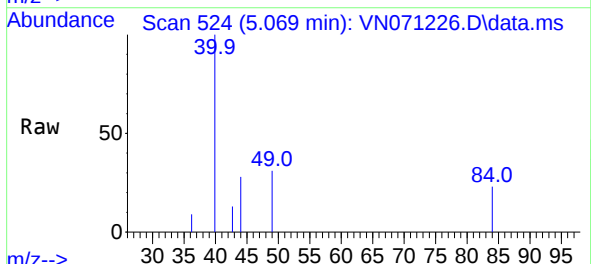
Instrument :
MSVOA_N
ClientSampleId :

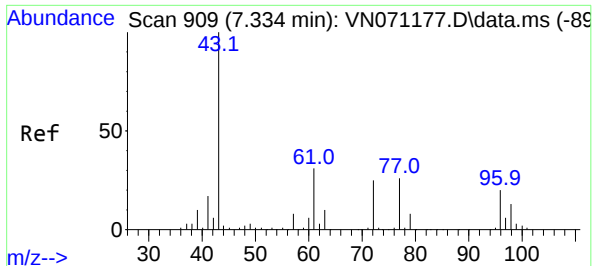
Tgt Ion: 43 Resp: 11402
Ion Ratio Lower Upper
43 100
74 19.4 19.4 29.2#



#20
Methylene Chloride
Concen: 0.421 ug/l
RT: 5.069 min Scan# 524
Delta R.T. -0.024 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

Tgt Ion: 84 Resp: 350
Ion Ratio Lower Upper
84 100
49 136.2 93.5 140.3
51 0.0 29.4 44.2#
86 0.0 53.0 79.4#





#25

2-Butanone

Concen: 0.226 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.012 min

Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

Instrument :

MSVOA_N

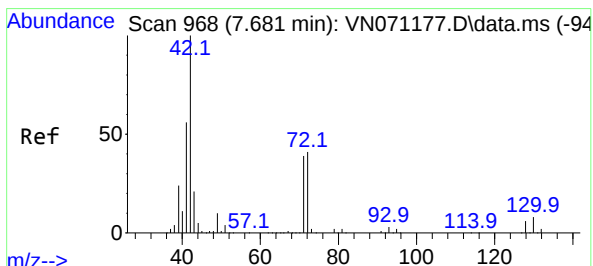
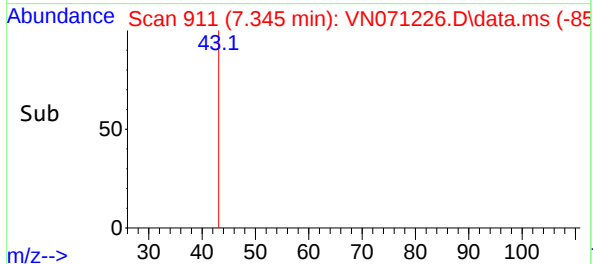
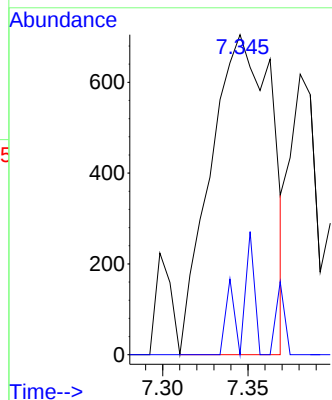
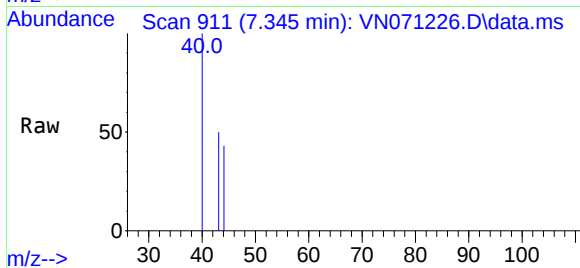
ClientSampleId :

Tgt Ion: 43 Resp: 1762

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.312 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.012 min

Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

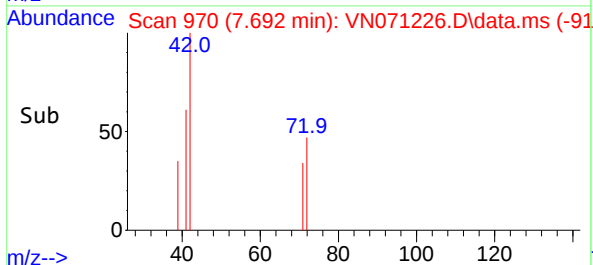
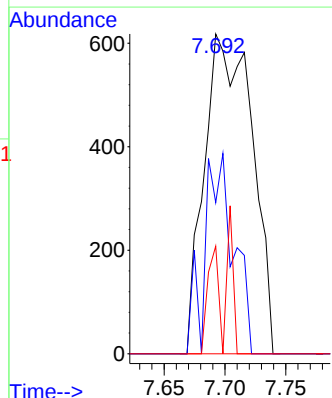
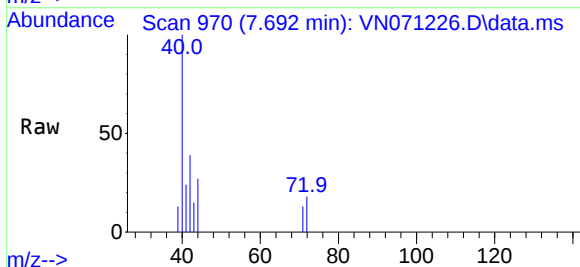
Tgt Ion: 42 Resp: 1689

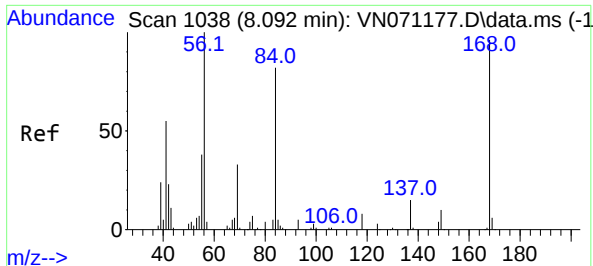
Ion Ratio Lower Upper

42 100

72 38.0 36.3 54.5

71 7.6 34.7 52.1#





#31

Cyclohexane

Concen: 0.997 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.018 min

Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

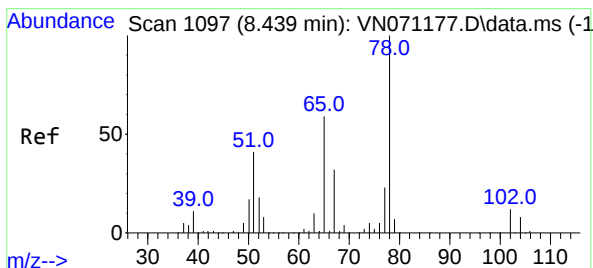
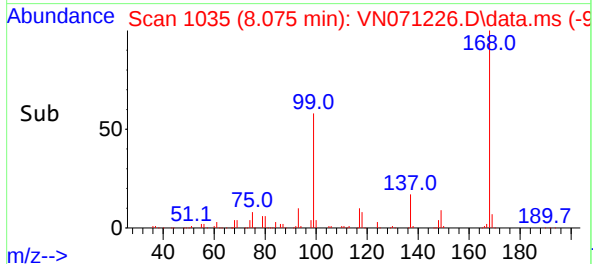
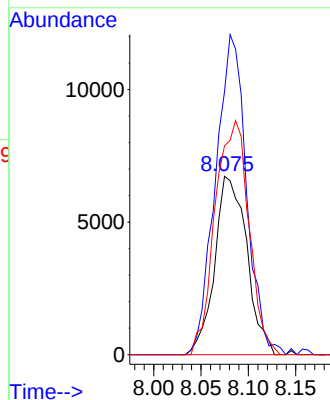
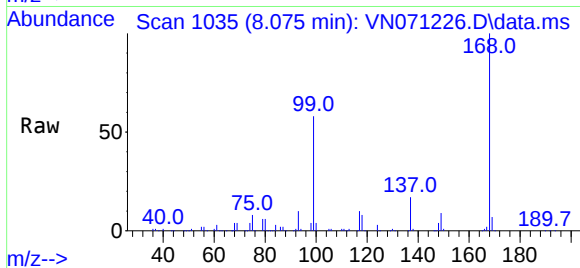
Tgt Ion: 56 Resp: 15869

Ion Ratio Lower Upper

56 100

69 147.3 27.1 40.7#

84 117.1 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.260 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071226.D

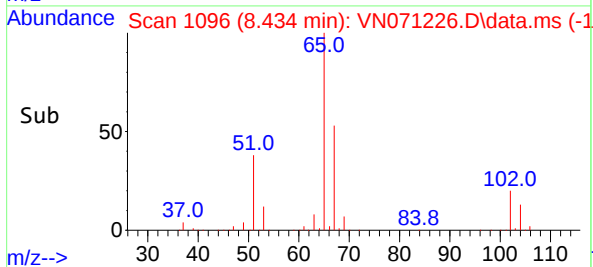
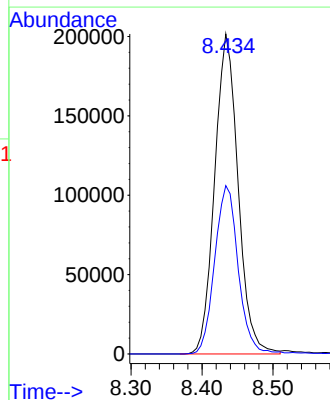
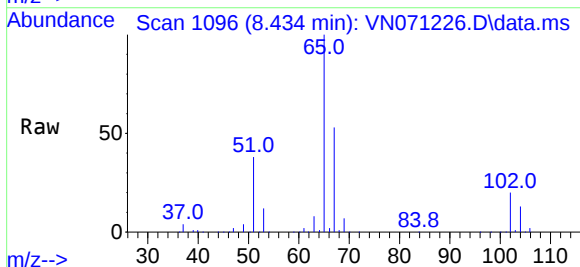
Acq: 10 Mar 2022 12:05

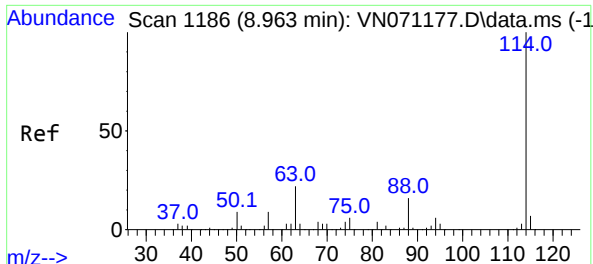
Tgt Ion: 65 Resp: 460883

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

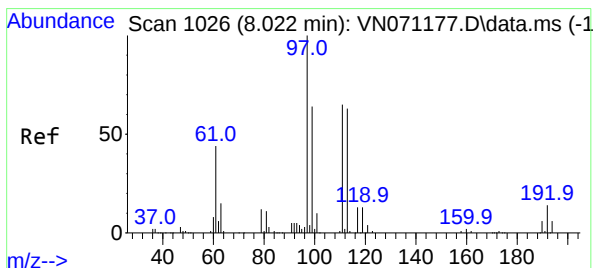
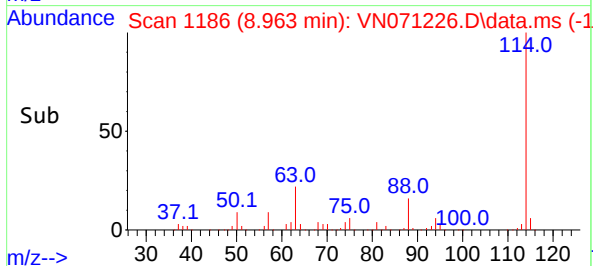
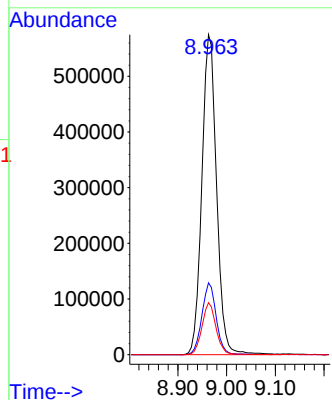
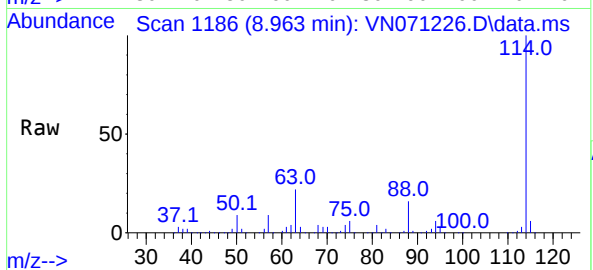
Tgt Ion:114 Resp: 1204199

Ion Ratio Lower Upper

114 100

63 22.5 0.0 37.8

88 16.3 0.0 27.4



#35

Dibromofluoromethane

Concen: 47.136 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

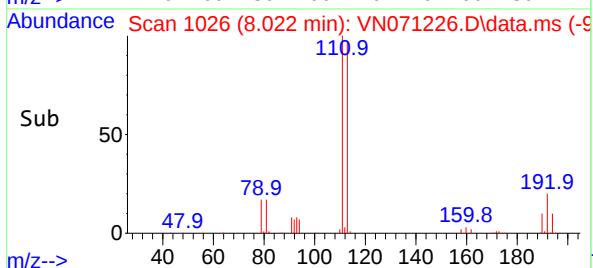
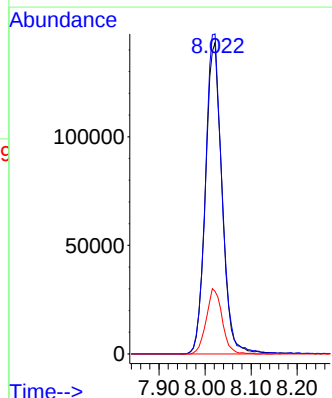
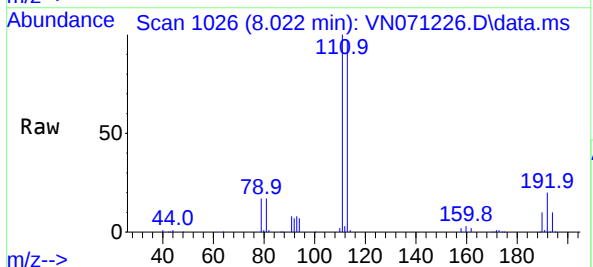
Tgt Ion:113 Resp: 358186

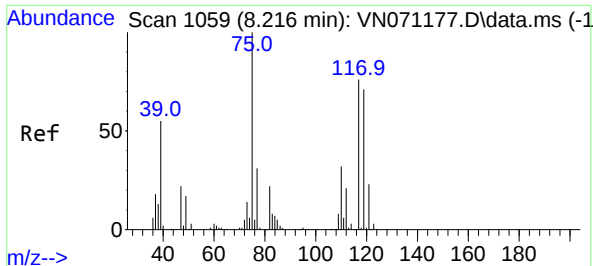
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 20.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.765 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071226.D

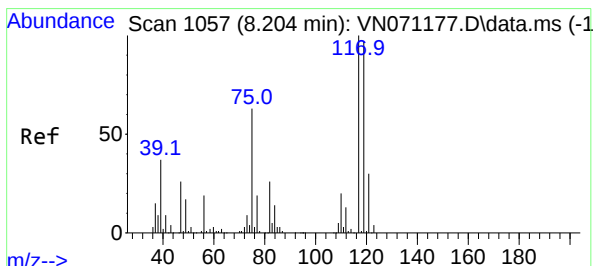
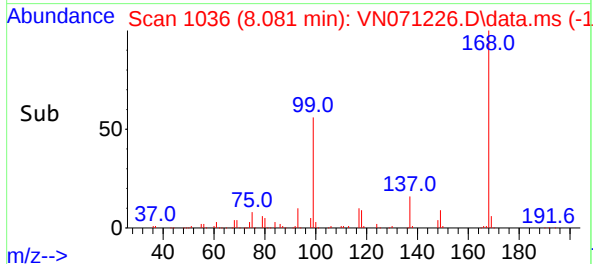
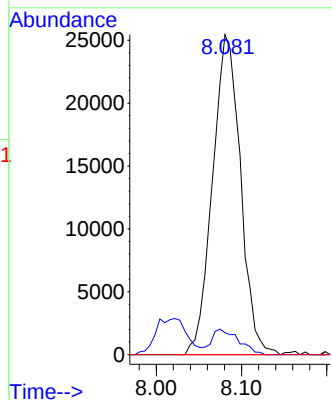
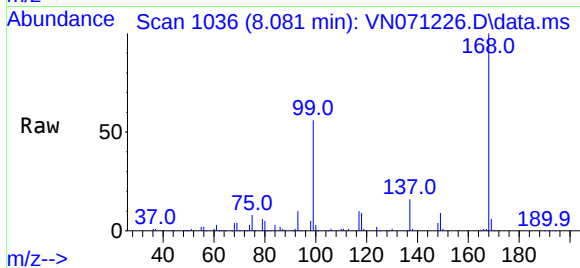
Acq: 10 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	58010
Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.924 ug/l

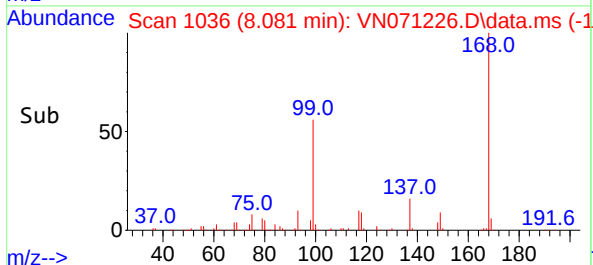
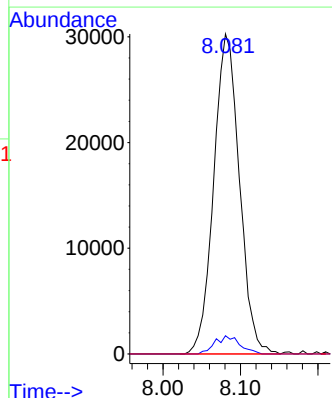
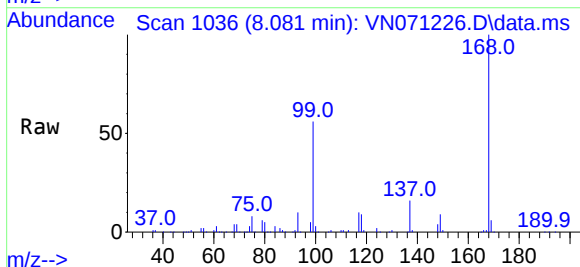
RT: 8.081 min Scan# 1036

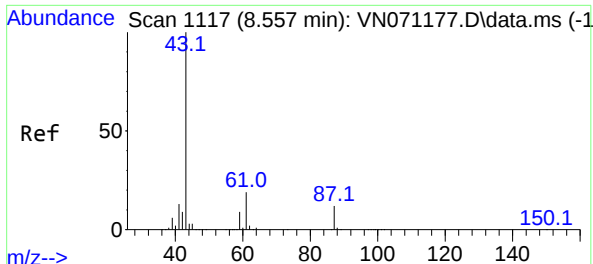
Delta R.T. -0.123 min

Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

Tgt Ion:	117	Resp:	69768
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.1	114.1#
121	0.0	24.2	36.2#





#43

Isopropyl Acetate

Concen: 6.515 ug/l

RT: 8.669 min Scan# 1117

Delta R.T. 0.112 min

Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

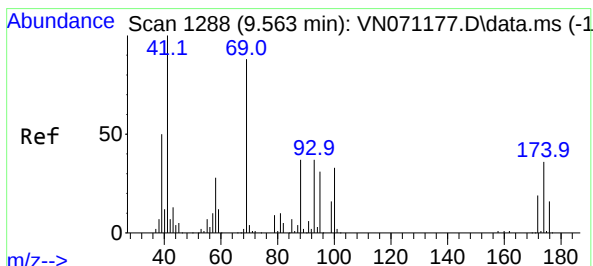
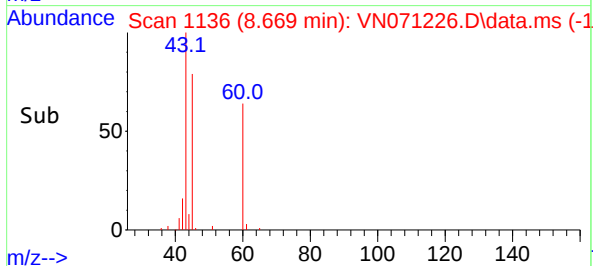
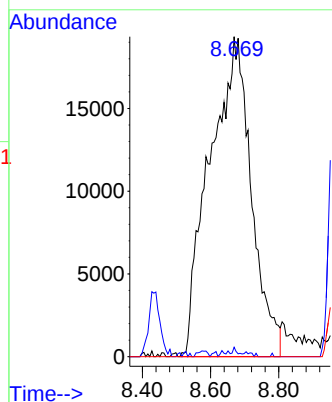
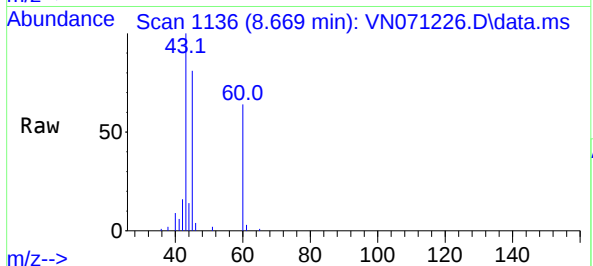
Tgt Ion: 43 Resp: 163246

Ion Ratio Lower Upper

43 100

61 0.5 20.4 30.6#

87 0.0 11.2 16.8#



#49

1,4-Dioxane

Concen: 0.723 ug/l

RT: 9.557 min Scan# 1287

Delta R.T. -0.006 min

Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

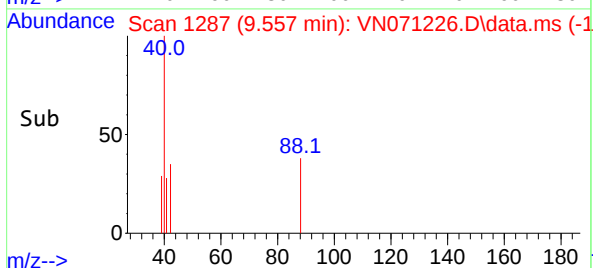
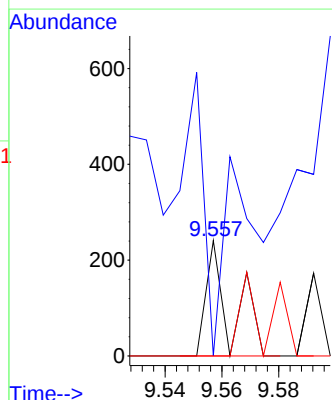
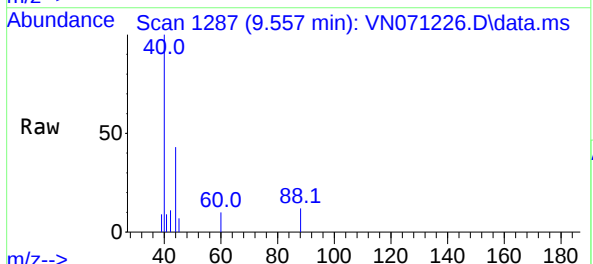
Tgt Ion: 88 Resp: 146

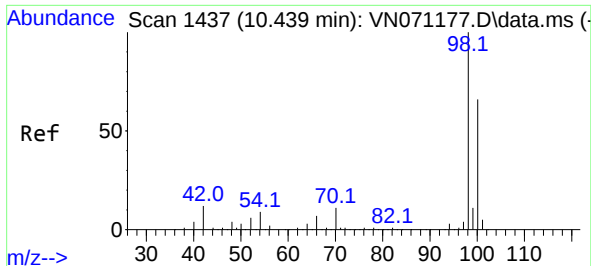
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 79.5 50.6 75.8#

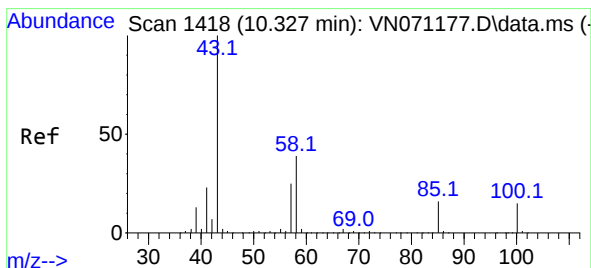
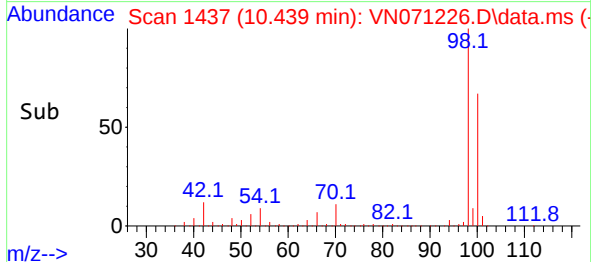
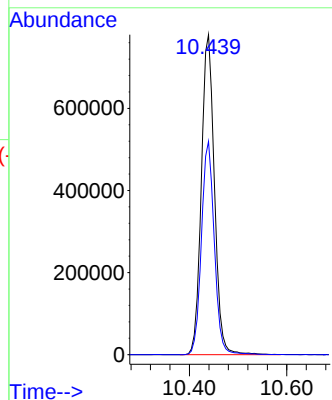
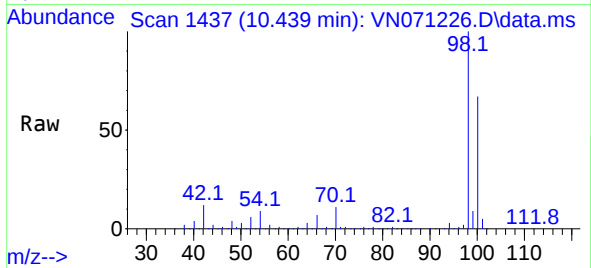




#50
Toluene-d8
Concen: 47.377 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

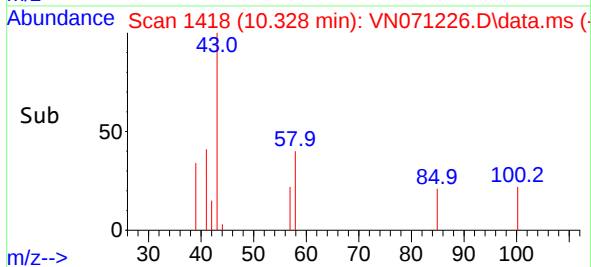
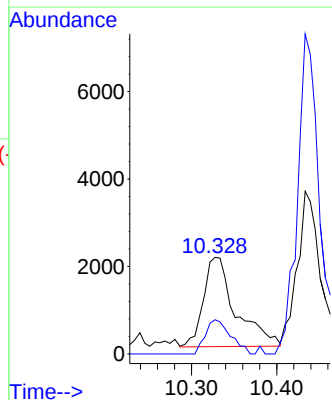
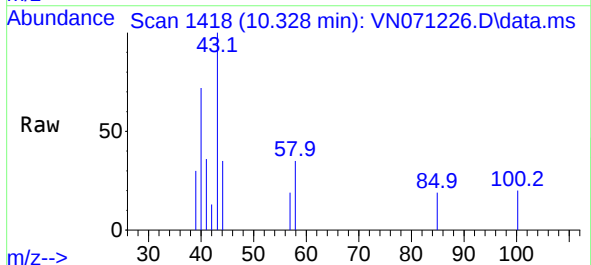
Instrument :
MSVOA_N
ClientSampleId :

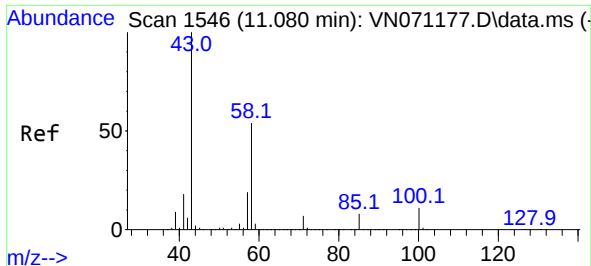
Tgt Ion: 98 Resp: 1449513
Ion Ratio Lower Upper
98 100
100 65.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.346 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

Tgt Ion: 43 Resp: 5384
Ion Ratio Lower Upper
43 100
58 29.8 30.4 45.6#

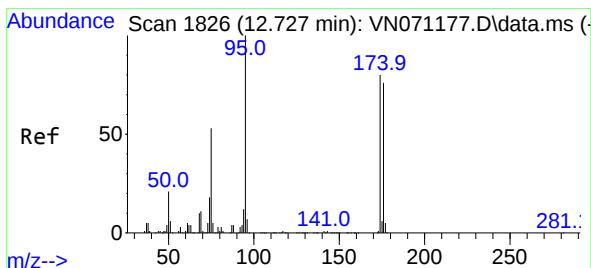
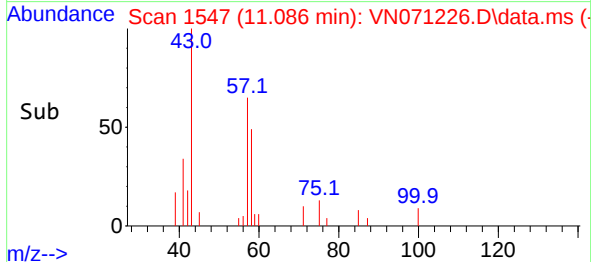
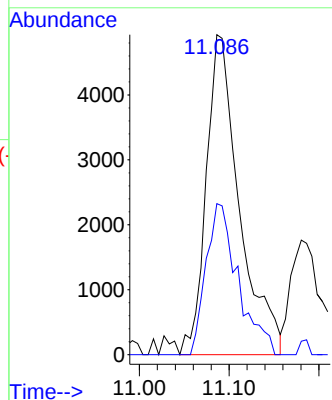
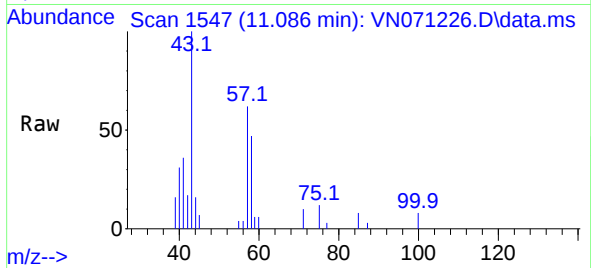




#59
2-Hexanone
Concen: 1.193 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

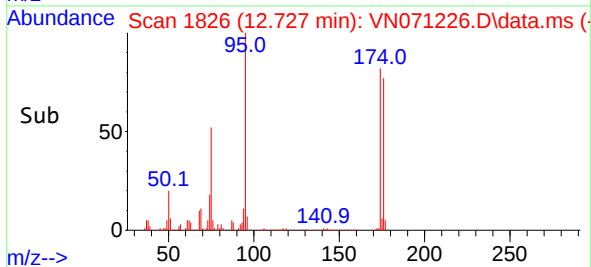
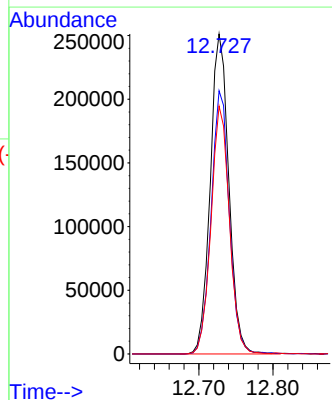
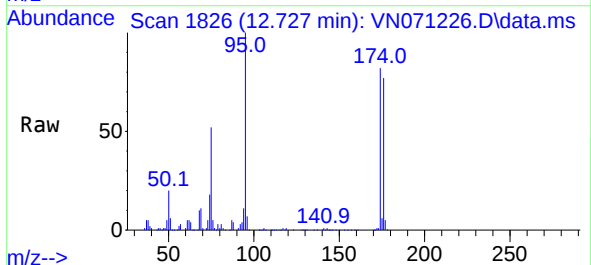
Instrument :
MSVOA_N
ClientSampleId :

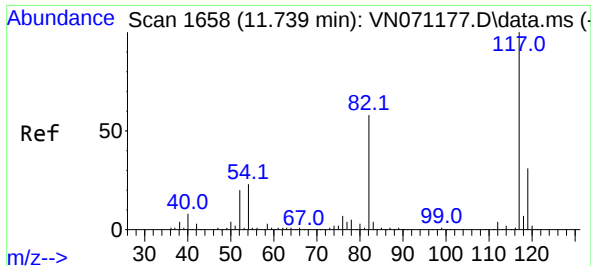
Tgt Ion: 43 Resp: 12658
Ion Ratio Lower Upper
43 100
58 45.6 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 42.190 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

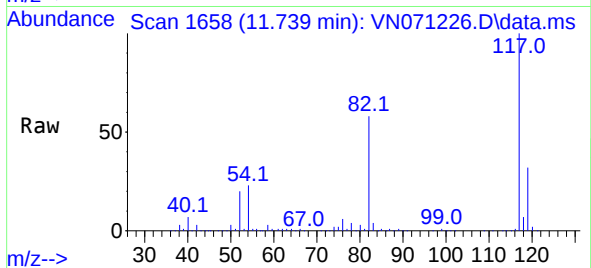
Tgt Ion: 95 Resp: 437102
Ion Ratio Lower Upper
95 100
174 80.8 0.0 187.2
176 76.5 0.0 181.4



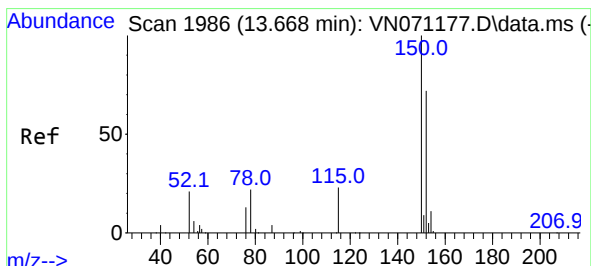
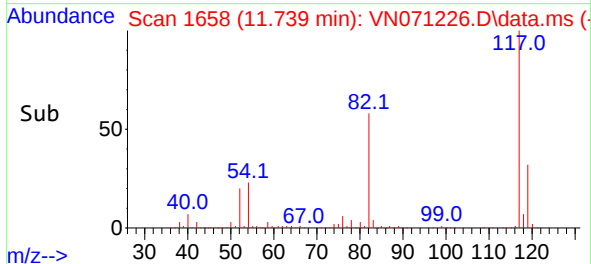
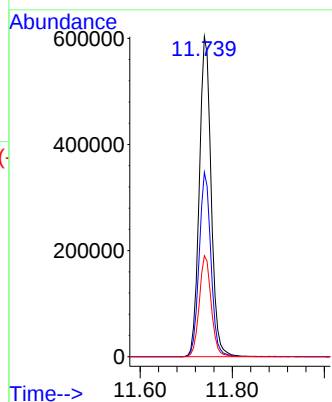


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

Instrument :
MSVOA_N
ClientSampleId :

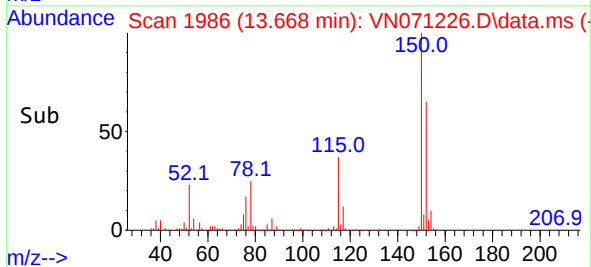
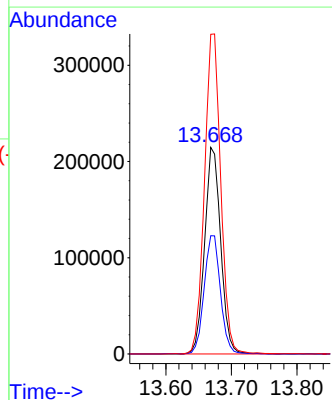
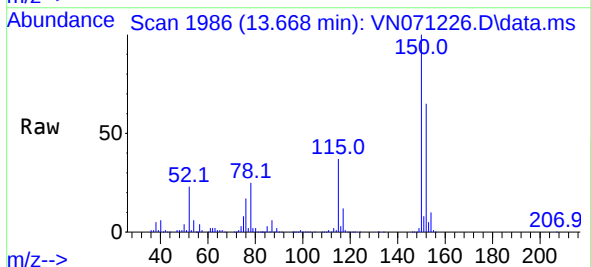


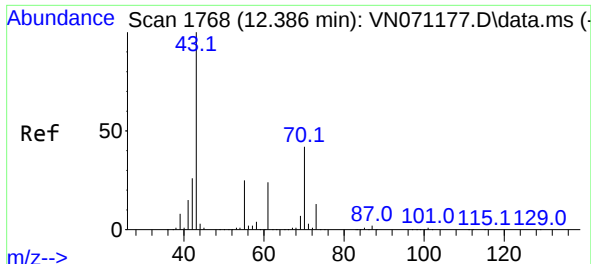
Tgt Ion:117 Resp: 1078025
Ion Ratio Lower Upper
117 100
82 57.6 42.4 63.6
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

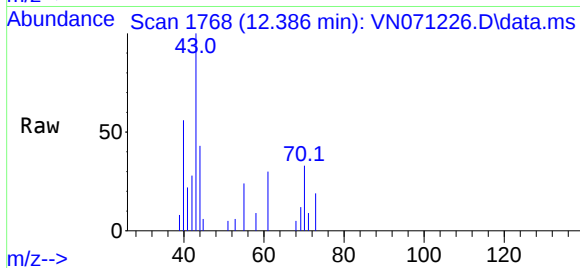
Tgt Ion:152 Resp: 366499
Ion Ratio Lower Upper
152 100
115 58.1 27.5 82.5
150 157.0 0.0 344.4





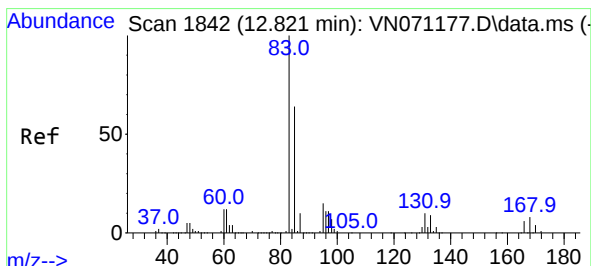
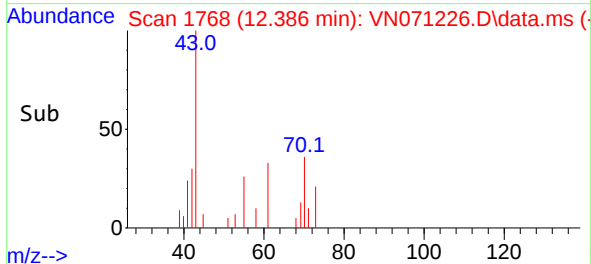
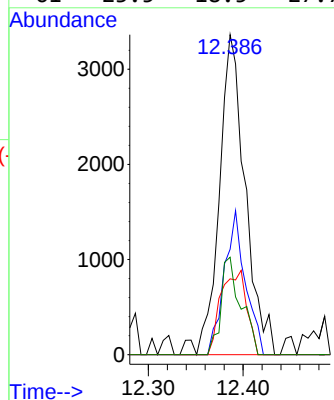
#74
N-amy1 acetate
Concen: 0.485 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 6448

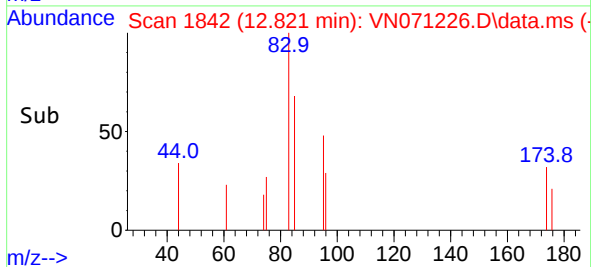
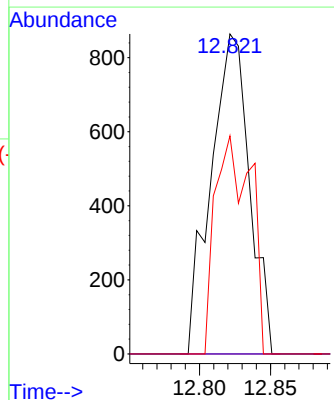
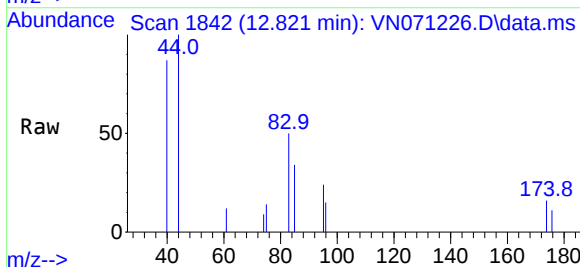
Ion	Ratio	Lower	Upper
43	100		
70	36.4	33.4	50.0
55	25.8	19.3	28.9
61	23.5	18.5	27.7

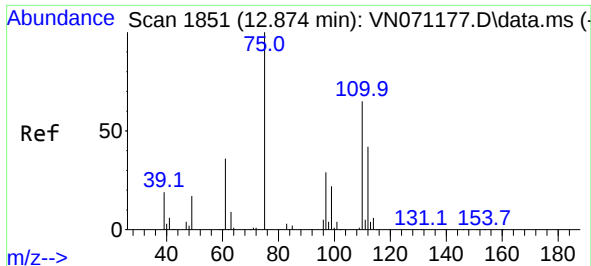


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.821 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

Tgt Ion: 83 Resp: 1640

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.5
85	63.0	32.4	97.2

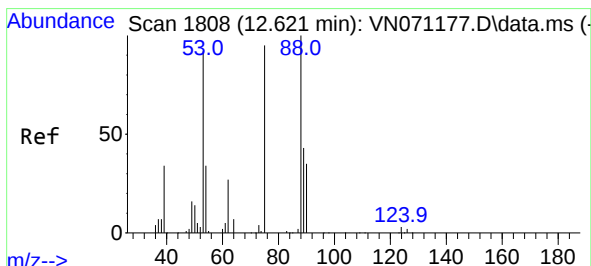
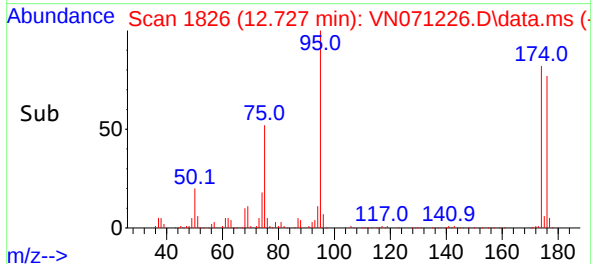
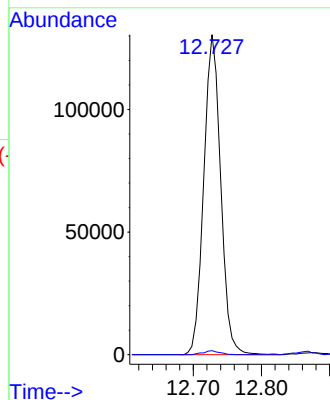
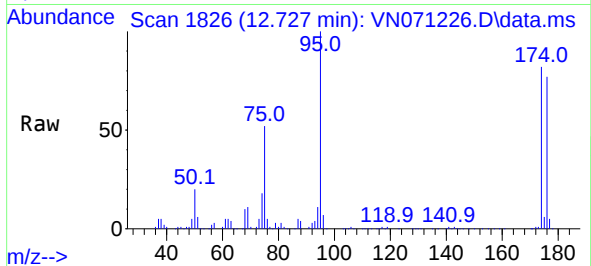




#76
1,2,3-Trichloropropane
Concen: 23.916 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

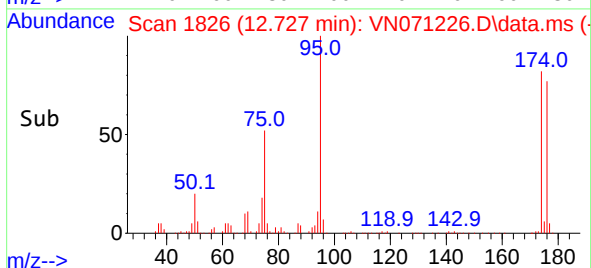
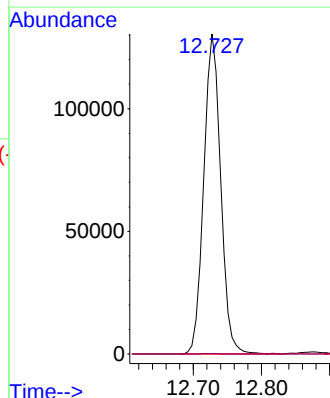
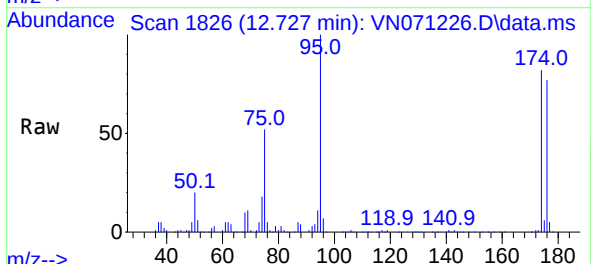
Instrument :
MSVOA_N
ClientSampleId :

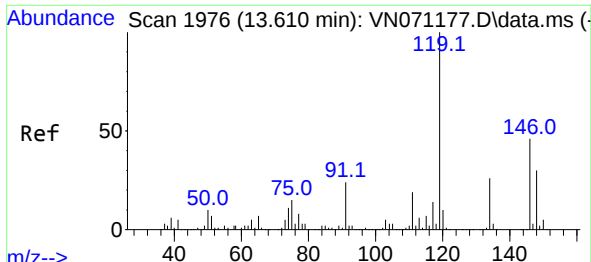
Tgt Ion: 75 Resp: 225514
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.516 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

Tgt Ion: 75 Resp: 225514
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#87

1,3-Dichlorobenzene

Concen: 0.242 ug/l

RT: 13.610 min Scan# 1976

Delta R.T. 0.000 min

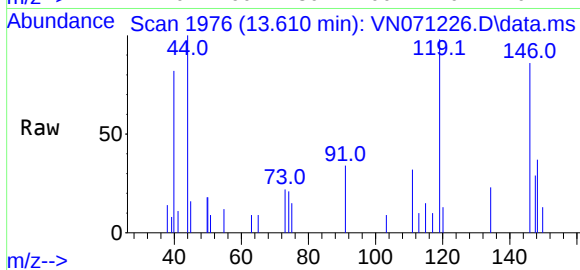
Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :



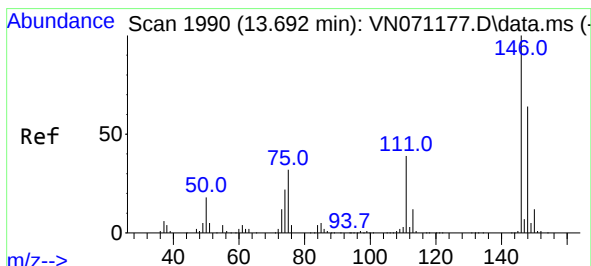
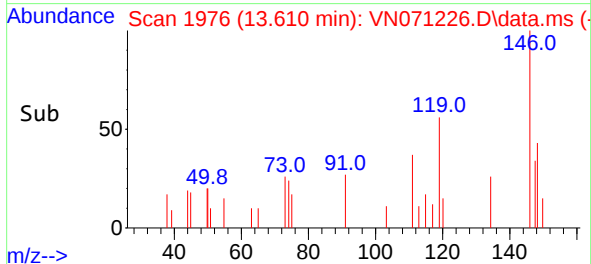
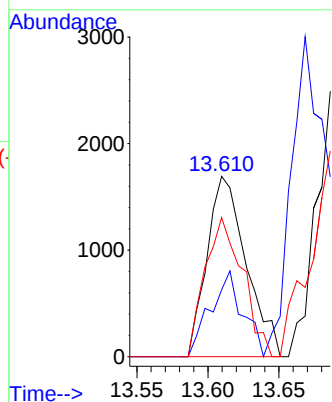
Tgt Ion:146 Resp: 3244

Ion	Ratio	Lower	Upper
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146	100		
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111	39.1	18.6	55.6
-----	------	------	------

148	74.1	31.6	95.0
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#88

1,4-Dichlorobenzene

Concen: 0.248 ug/l

RT: 13.610 min Scan# 1976

Delta R.T. -0.082 min

Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

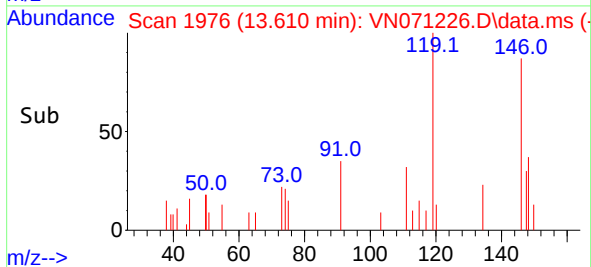
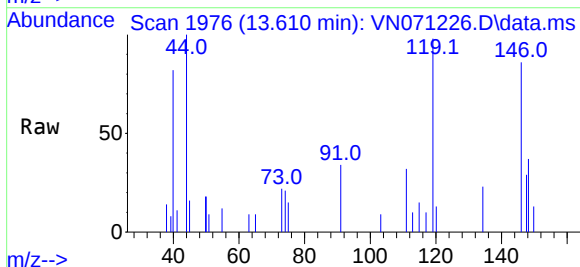
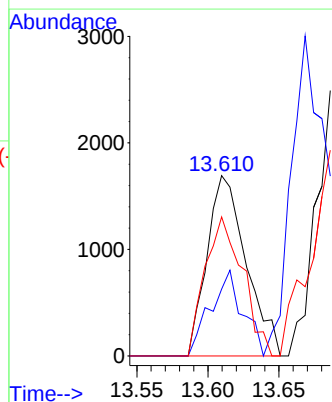
Tgt Ion:146 Resp: 3244

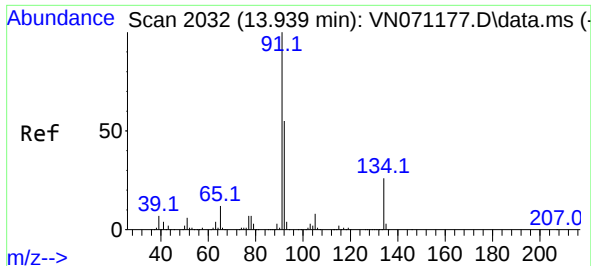
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

146	100		
-----	-----	--	--

111	39.1	18.3	54.8
-----	------	------	------

148	74.1	31.8	95.4
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#89

n-Butylbenzene

Concen: 0.359 ug/l

RT: 13.933 min Scan# 2031

Delta R.T. -0.006 min

Lab File: VN071226.D

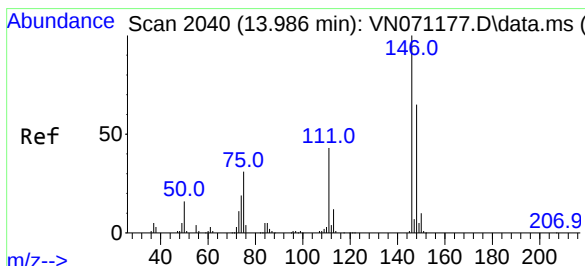
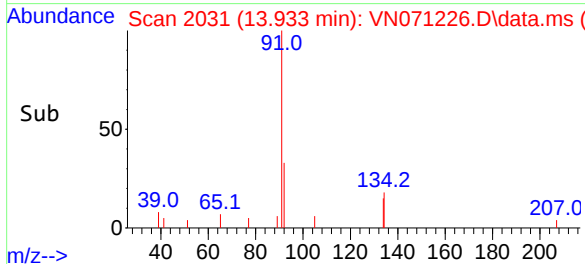
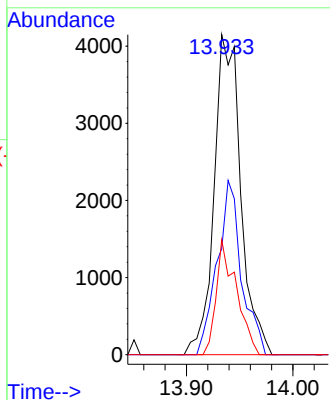
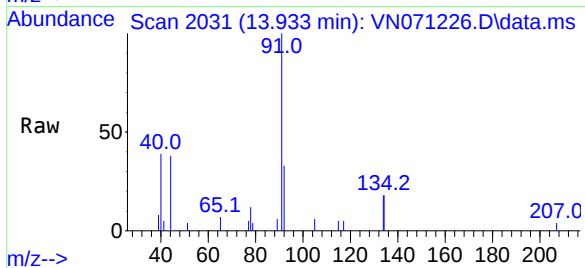
Acq: 10 Mar 2022 12:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp:	7199
Ion	Ratio	Lower Upper
91	100	
92	49.6	25.4 76.0
134	27.3	13.6 40.8



#91

1,2-Dichlorobenzene

Concen: 0.291 ug/l

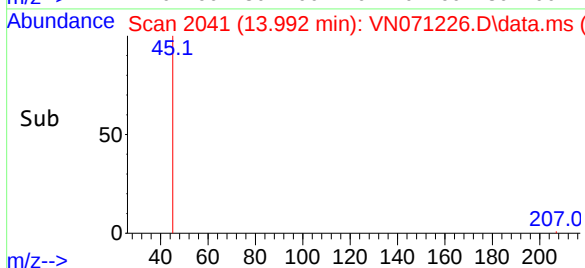
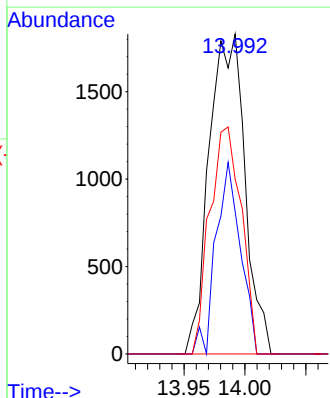
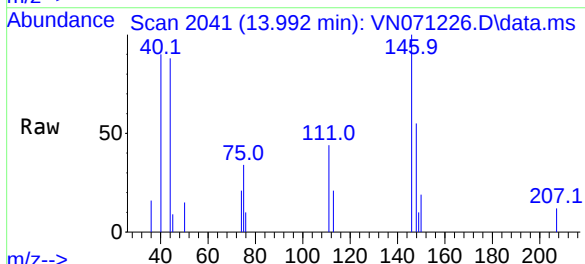
RT: 13.992 min Scan# 2041

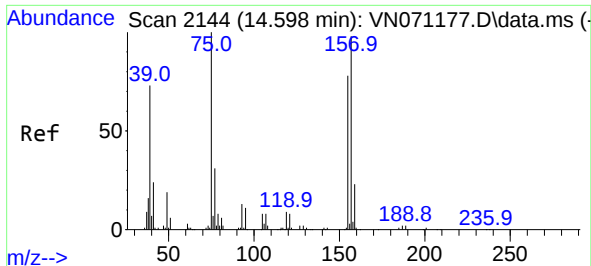
Delta R.T. 0.006 min

Lab File: VN071226.D

Acq: 10 Mar 2022 12:05

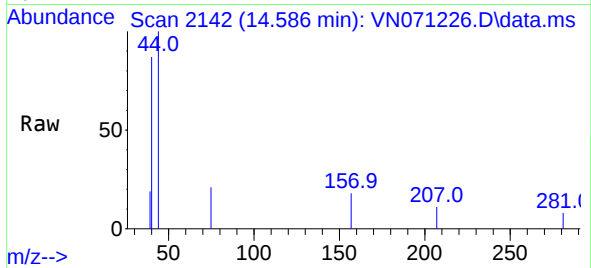
Tgt Ion: 146	Resp:	3743
Ion	Ratio	Lower Upper
146	100	
111	40.9	19.1 57.3
148	62.5	32.1 96.3



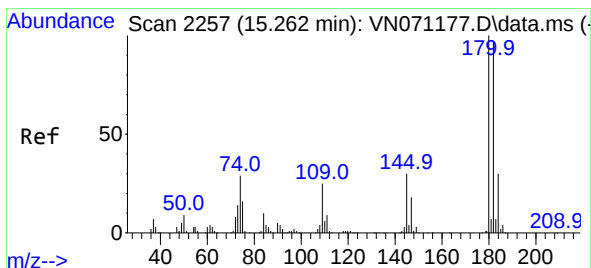
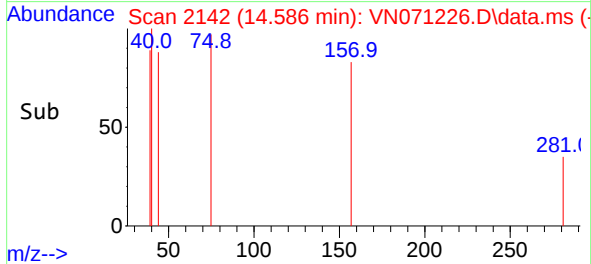
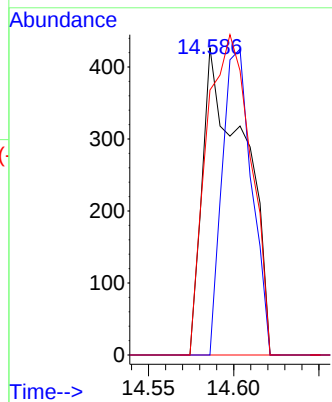


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.354 ug/l
 RT: 14.586 min Scan# 2142
 Delta R.T. -0.012 min
 Lab File: VN071226.D
 Acq: 10 Mar 2022 12:05

Instrument :
 MSVOA_N
 ClientSampleId :

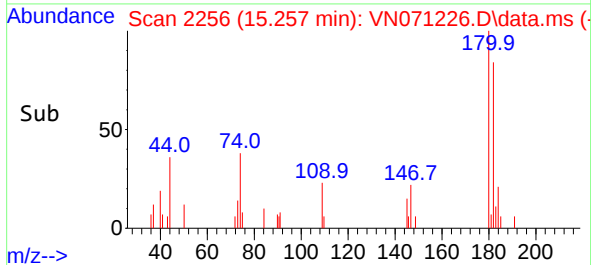
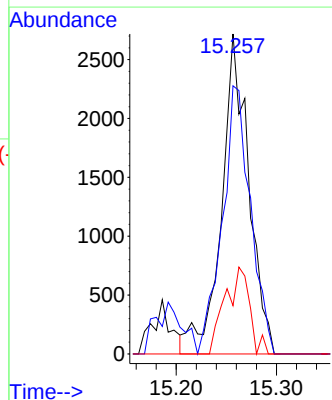
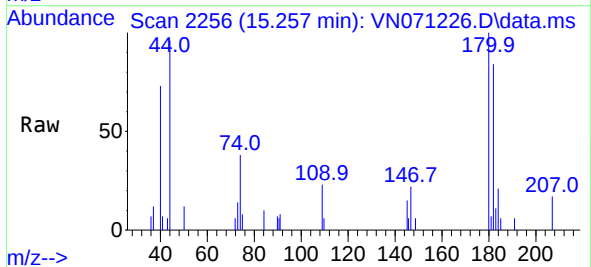


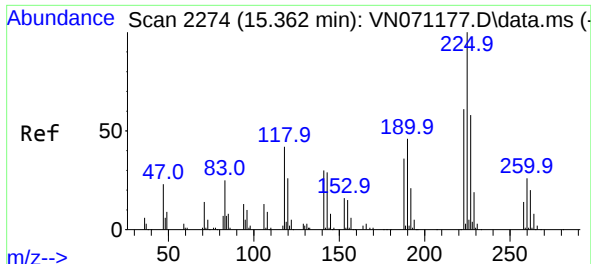
Tgt Ion: 75 Resp: 727
 Ion Ratio Lower Upper
 75 100
 155 70.3 46.9 140.7
 157 109.9 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 3.791 ug/l
 RT: 15.257 min Scan# 2256
 Delta R.T. -0.005 min
 Lab File: VN071226.D
 Acq: 10 Mar 2022 12:05

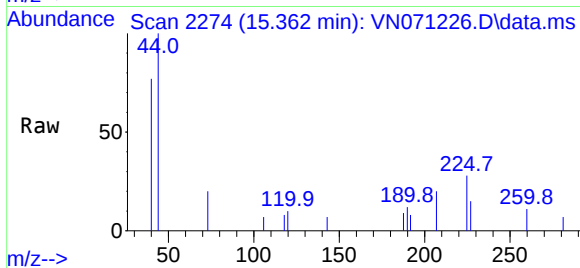
Tgt Ion: 180 Resp: 5122
 Ion Ratio Lower Upper
 180 100
 182 86.6 48.3 144.9
 145 24.5 14.5 43.5



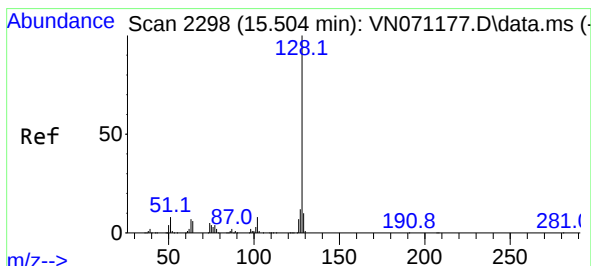
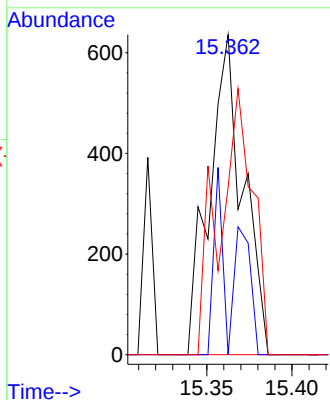
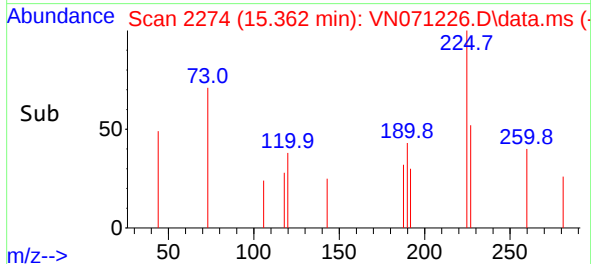


#94
Hexachlorobutadiene
Concen: 0.242 ug/l
RT: 15.362 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05

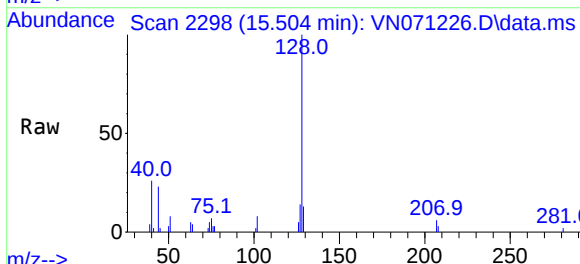
Instrument :
MSVOA_N
ClientSampleId :



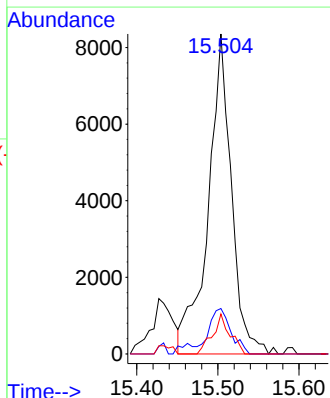
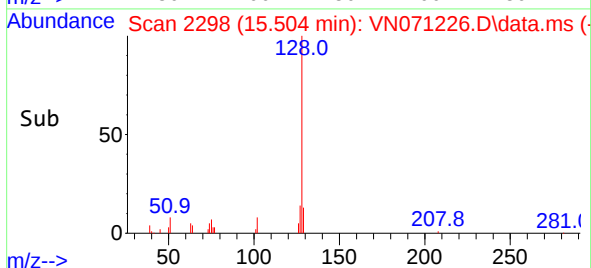
Tgt Ion:225 Resp: 874
Ion Ratio Lower Upper
225 100
223 15.0 31.9 95.7#
227 82.7 32.1 96.3

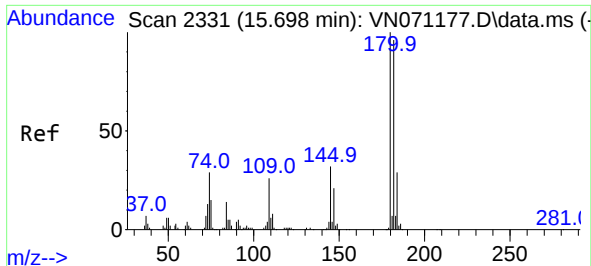


#95
Naphthalene
Concen: 5.958 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071226.D
Acq: 10 Mar 2022 12:05



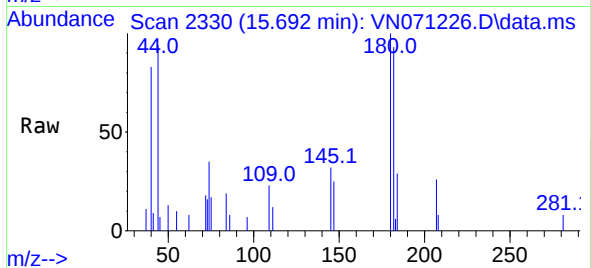
Tgt Ion:128 Resp: 16642
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 9.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.667 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071226.D
 Acq: 10 Mar 2022 12:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	5689
Ion	Ratio	Lower	Upper
180	100		
182	91.4	47.4	142.2
145	35.5	15.0	45.1

