

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071372.D
 Acq On : 18 Mar 2022 15:06
 Operator : JC\MD
 Sample : N1960-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 07:07:36 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)

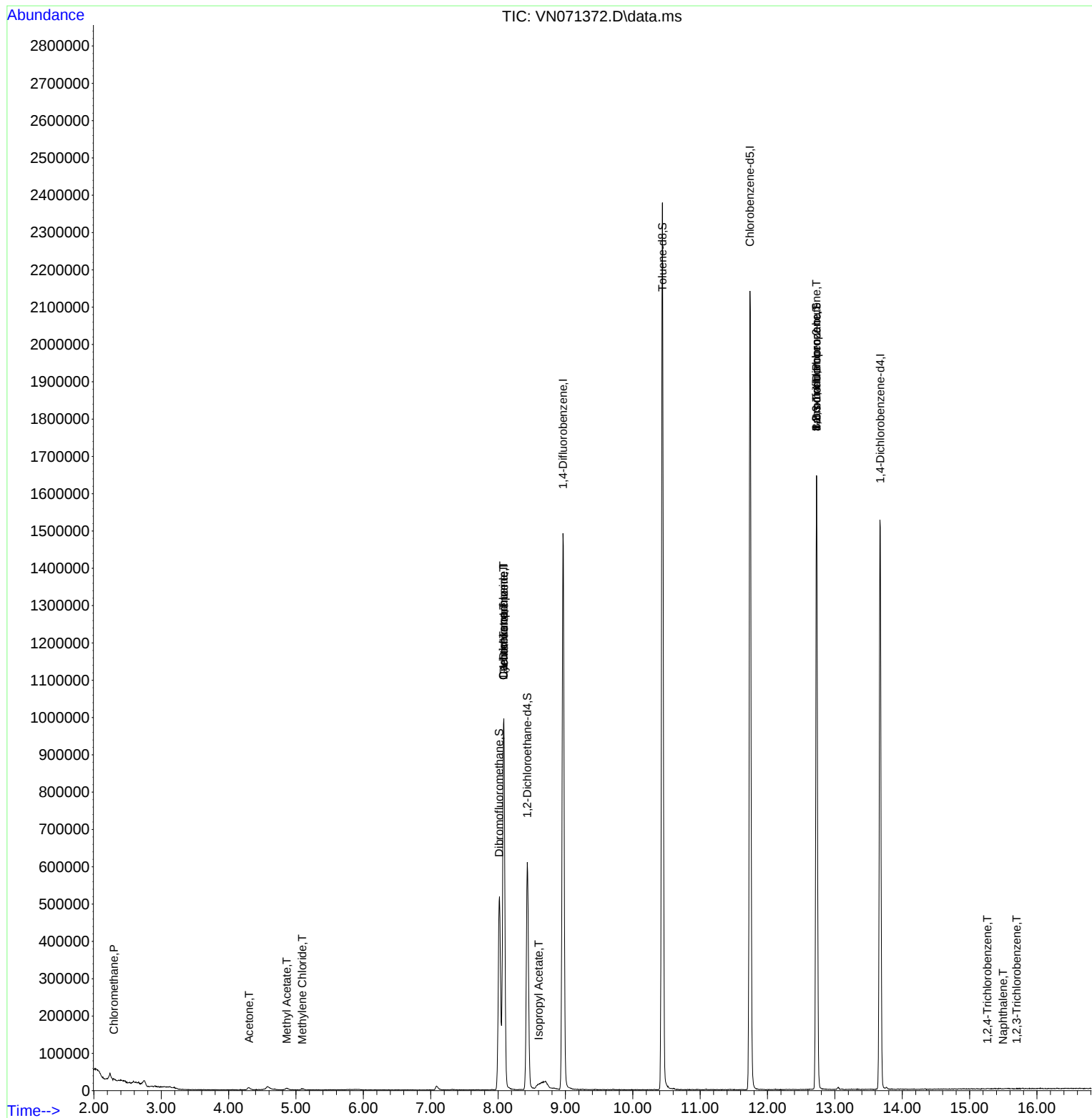
Internal Standards						
1) Pentafluorobenzene	8.086	168	771668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1295437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1235505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	427447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	501906	47.457	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	94.920%	
35) Dibromofluoromethane	8.016	113	383354	46.895	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	93.800%	
50) Toluene-d8	10.439	98	1590871	48.335	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	96.660%	
62) 4-Bromofluorobenzene	12.727	95	578169	51.875	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	103.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3768	0.297	ug/l #	79
5) Bromomethane	2.846	94	484	Below Cal	#	79
16) Acetone	4.304	43	8867	1.723	ug/l #	83
18) Methyl Acetate	4.863	43	9344	1.140	ug/l	92
20) Methylene Chloride	5.093	84	2263	0.621	ug/l #	66
31) Cyclohexane	8.081	56	16929	1.002	ug/l #	27
36) 1,1-Dichloropropene	8.081	75	62659	4.784	ug/l #	48
38) Carbon Tetrachloride	8.081	117	76838	6.065	ug/l #	17
43) Isopropyl Acetate	8.604	43	14759	0.548	ug/l #	55
71) Bromoform	12.727	173	3622	0.490	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.839	83	71	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	296956	27.388	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	296956	75.099	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	346	3.036	ug/l #	57
95) Naphthalene	15.498	128	1131	5.119	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	159	2.754	ug/l #	42

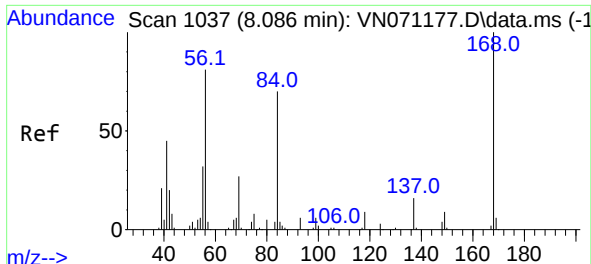
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

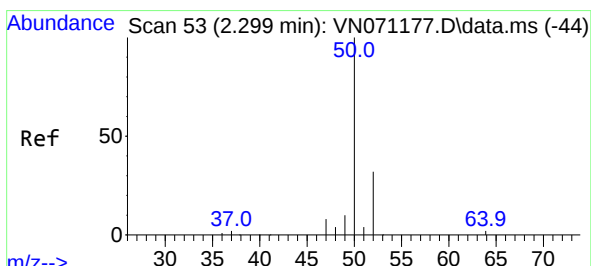
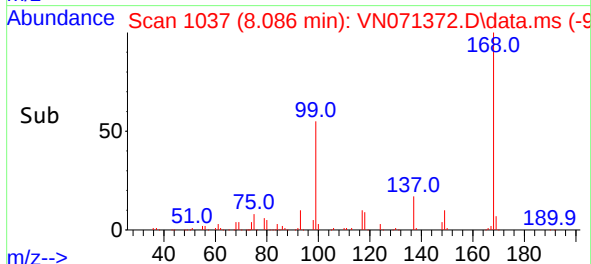
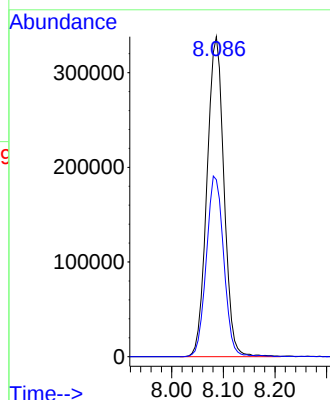
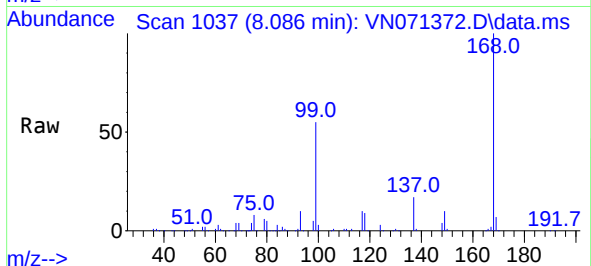




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

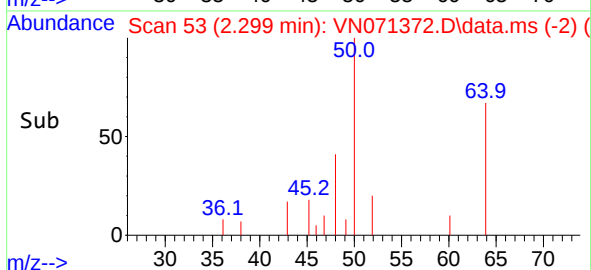
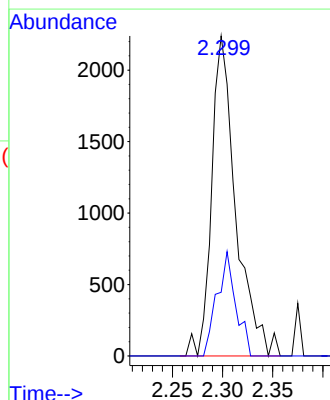
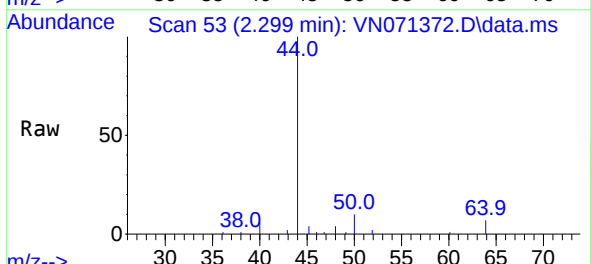
Instrument :
MSVOA_N
ClientSampleId :

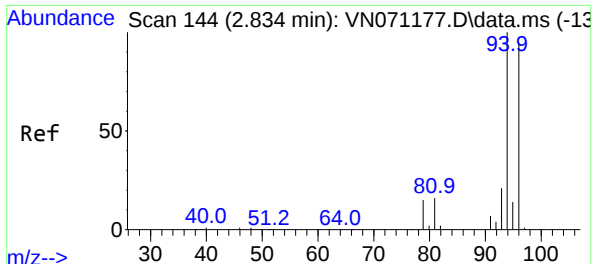
Tgt Ion:168 Resp: 771668
Ion Ratio Lower Upper
168 100
99 55.3 41.3 61.9



#3
Chloromethane
Concen: 0.297 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Tgt Ion: 50 Resp: 3768
Ion Ratio Lower Upper
50 100
52 19.9 25.4 38.0#

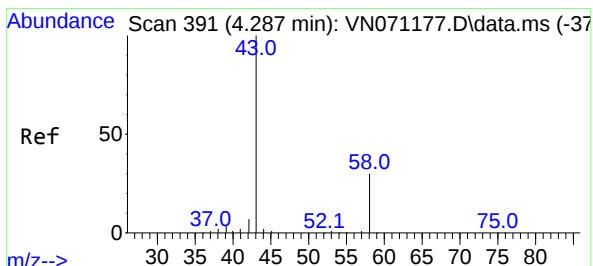
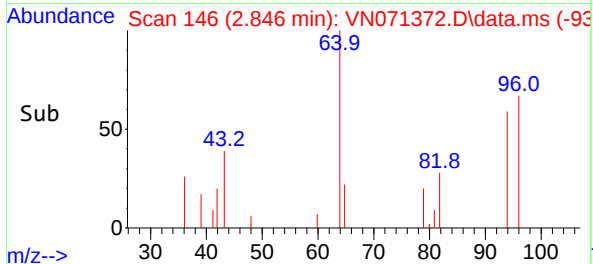
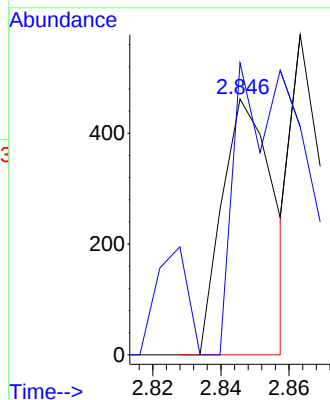
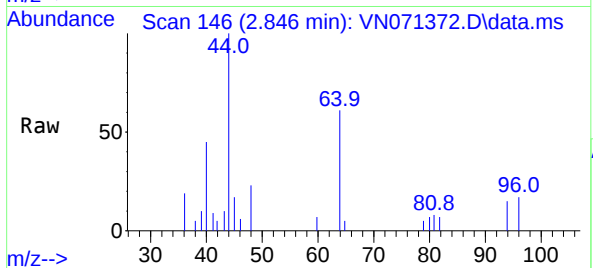




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 14
Delta R.T. 0.012 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

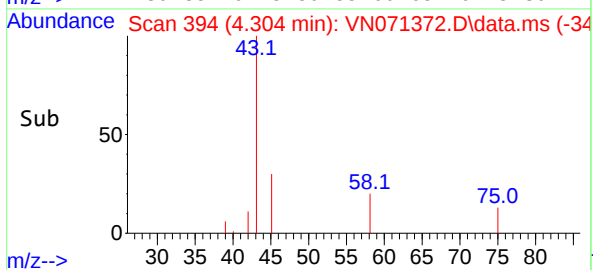
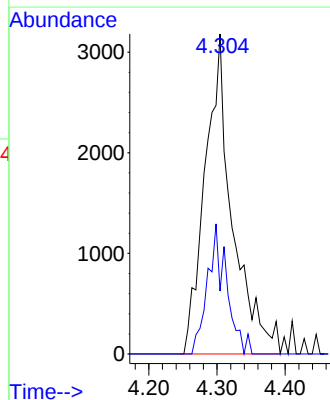
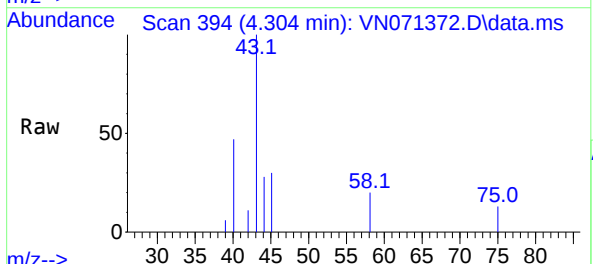
Instrument :
MSVOA_N
ClientSampleId :

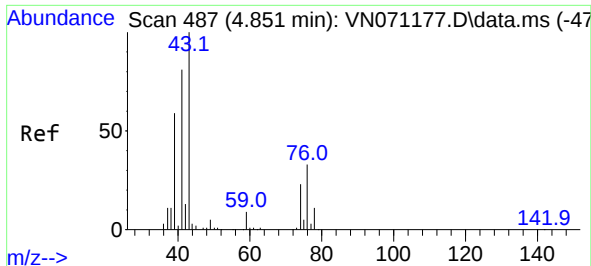
Tgt Ion: 94 Resp: 484
Ion Ratio Lower Upper
94 100
96 71.9 73.8 110.8#



#16
Acetone
Concen: 1.723 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.018 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Tgt Ion: 43 Resp: 8867
Ion Ratio Lower Upper
43 100
58 19.6 23.1 34.7#

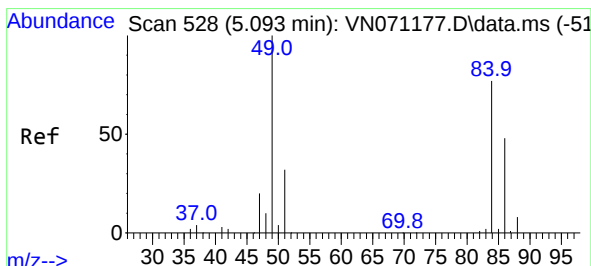
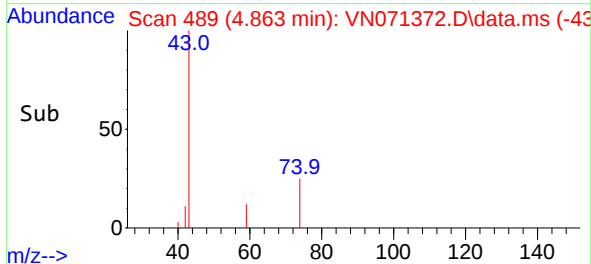
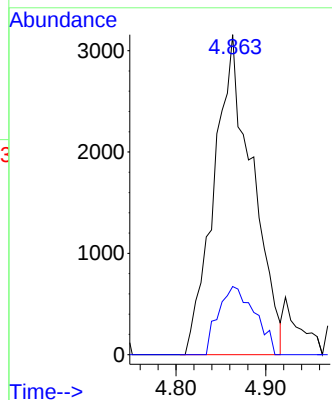
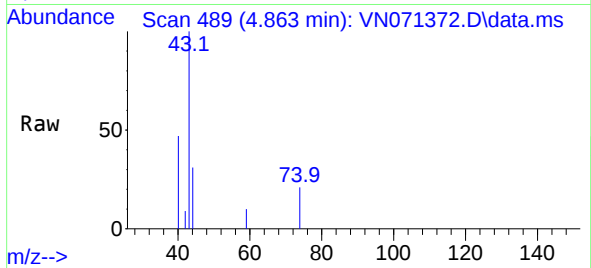




#18
Methyl Acetate
Concen: 1.140 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

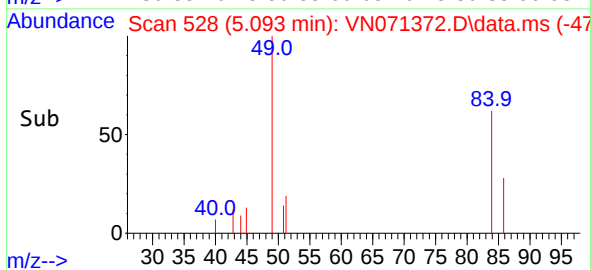
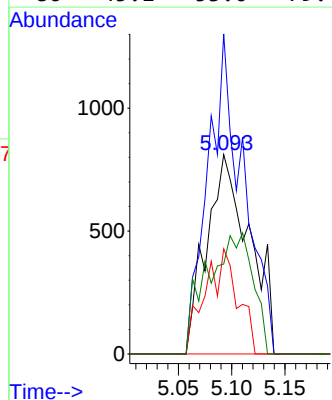
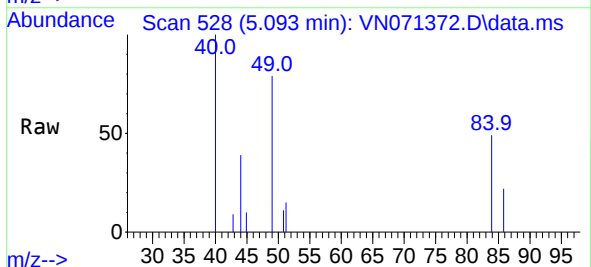
Instrument :
MSVOA_N
ClientSampleId :

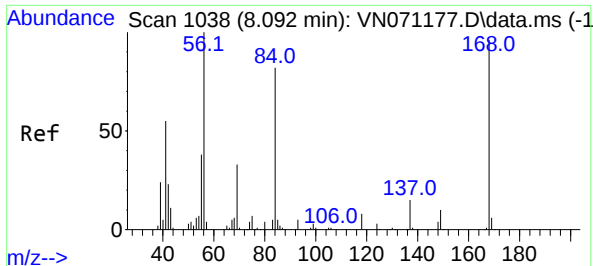
Tgt Ion: 43 Resp: 9344
Ion Ratio Lower Upper
43 100
74 20.3 19.4 29.2



#20
Methylene Chloride
Concen: 0.621 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Tgt Ion: 84 Resp: 2263
Ion Ratio Lower Upper
84 100
49 160.5 93.5 140.3#
51 52.8 29.4 44.2#
86 45.1 53.0 79.4#





#31

Cyclohexane

Concen: 1.002 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071372.D

Acq: 18 Mar 2022 15:06

Instrument :

MSVOA_N

ClientSampleId :

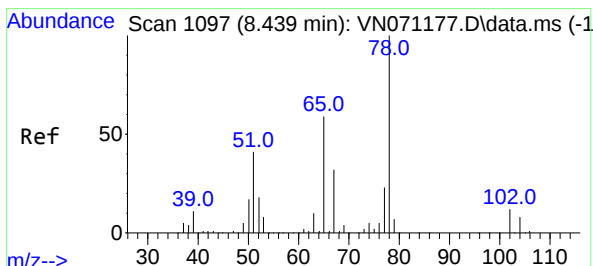
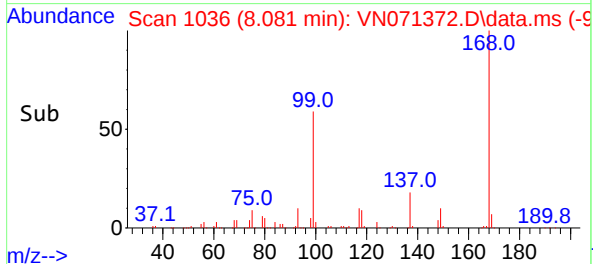
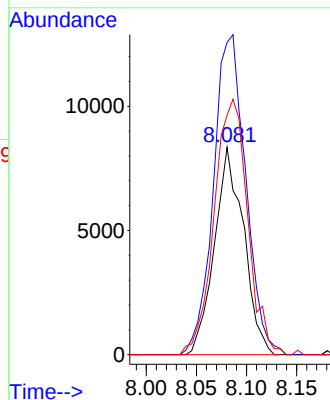
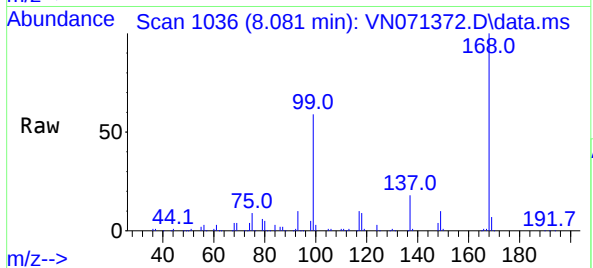
Tgt Ion: 56 Resp: 16929

Ion Ratio Lower Upper

56 100

69 150.6 27.1 40.7#

84 115.5 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 47.457 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071372.D

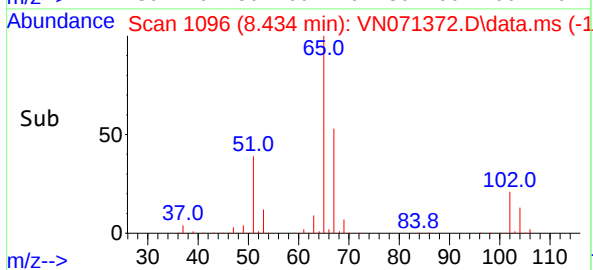
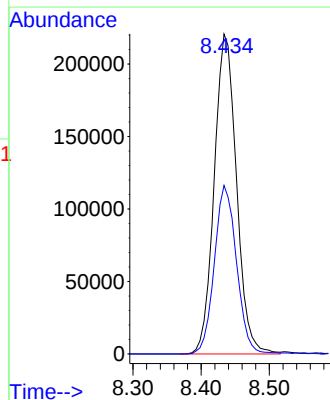
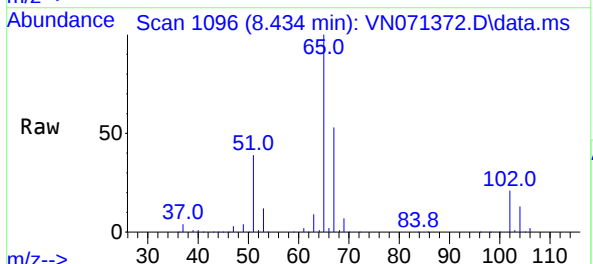
Acq: 18 Mar 2022 15:06

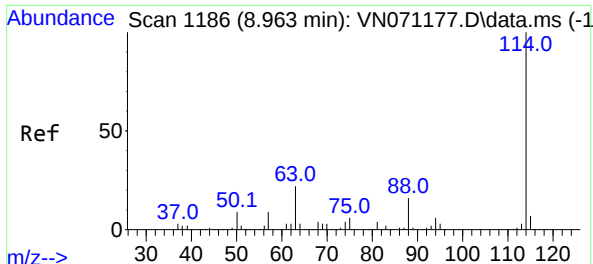
Tgt Ion: 65 Resp: 501906

Ion Ratio Lower Upper

65 100

67 52.5 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: VN071372.D

Acq: 18 Mar 2022 15:06

Instrument :

MSVOA_N

ClientSampleId :

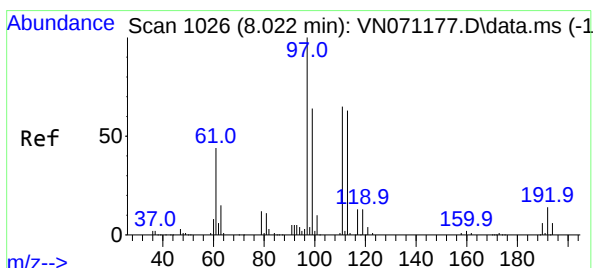
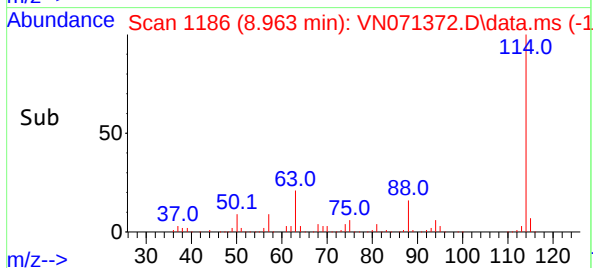
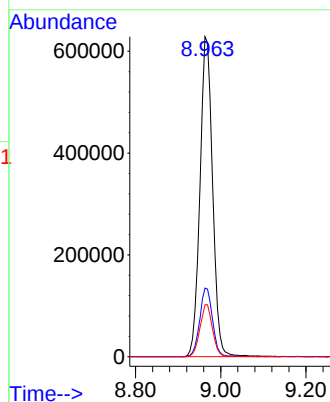
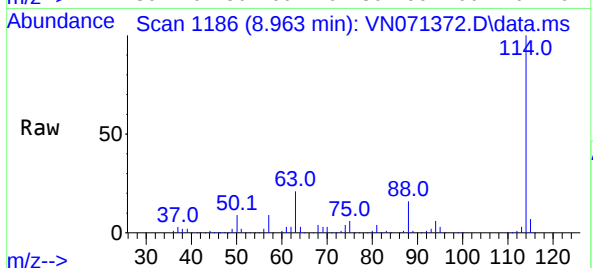
Tgt Ion:114 Resp: 1295437

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 16.3 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.895 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071372.D

Acq: 18 Mar 2022 15:06

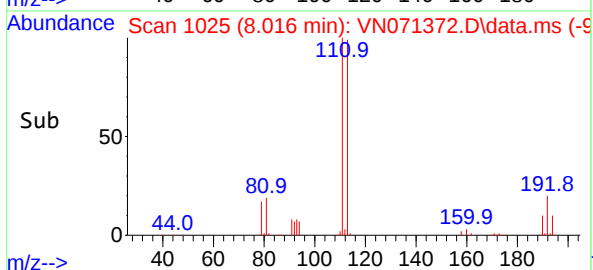
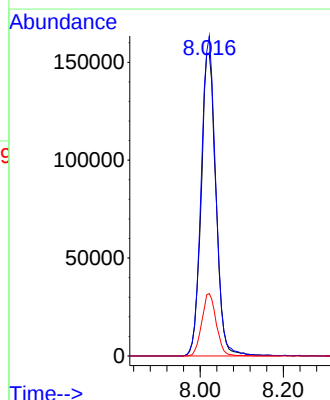
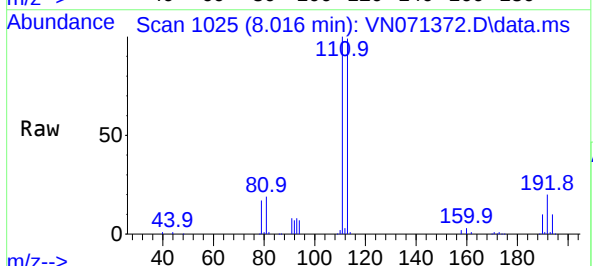
Tgt Ion:113 Resp: 383354

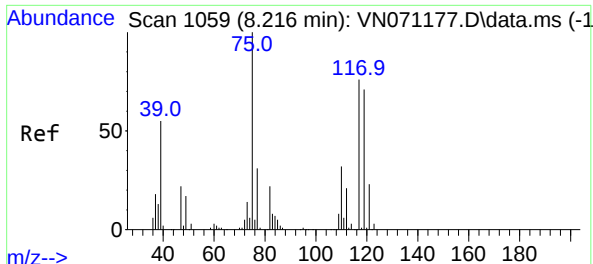
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

192 20.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.784 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071372.D

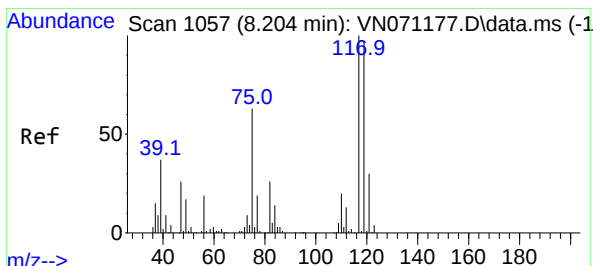
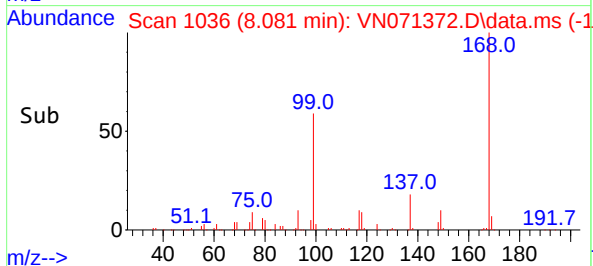
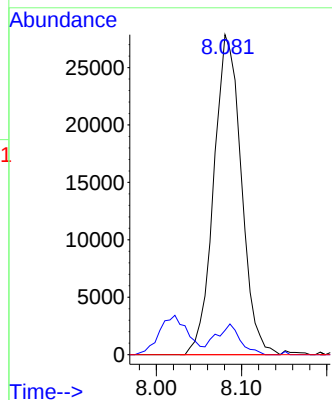
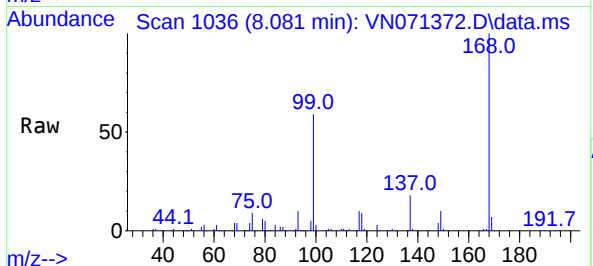
Acq: 18 Mar 2022 15:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 62659
Ion Ratio	Lower Upper
75	100
110	8.3 18.4 55.2#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.065 ug/l

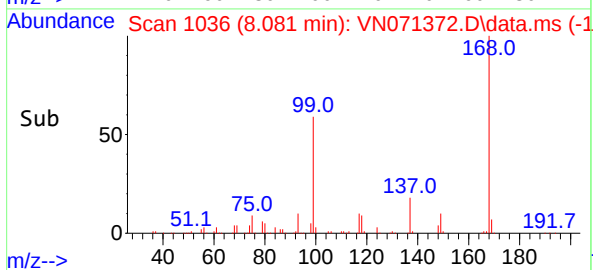
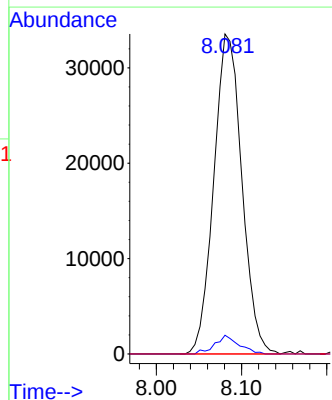
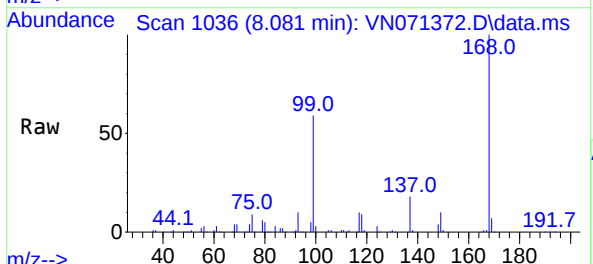
RT: 8.081 min Scan# 1036

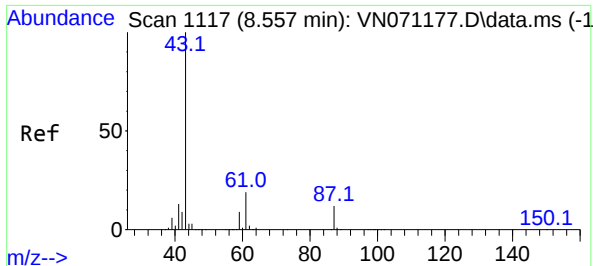
Delta R.T. -0.123 min

Lab File: VN071372.D

Acq: 18 Mar 2022 15:06

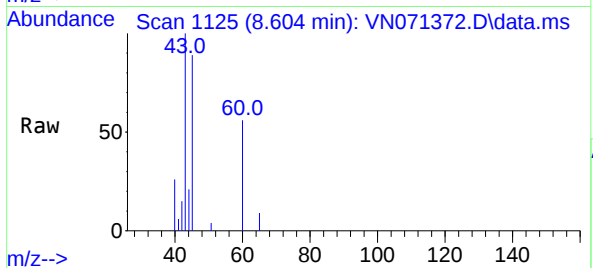
Tgt Ion: 117	Resp: 76838
Ion Ratio	Lower Upper
117	100
119	5.8 76.1 114.1#
121	0.0 24.2 36.2#



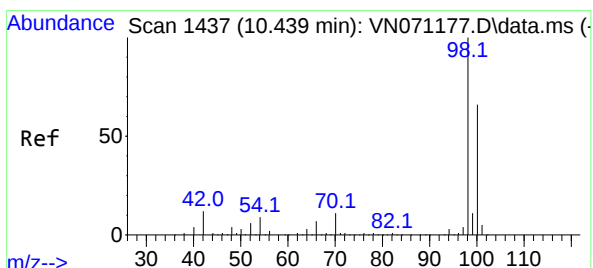
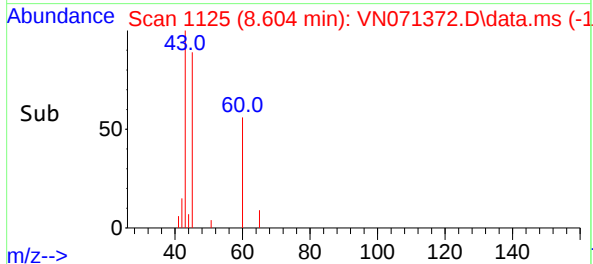
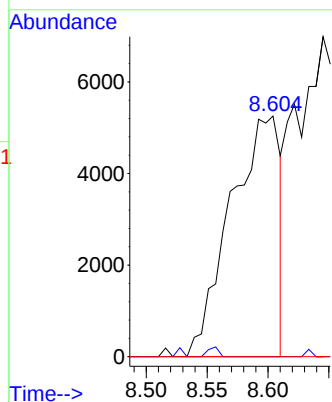


#43
Isopropyl Acetate
Concen: 0.548 ug/l
RT: 8.604 min Scan# 1117
Delta R.T. 0.047 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Instrument :
MSVOA_N
ClientSampleId :

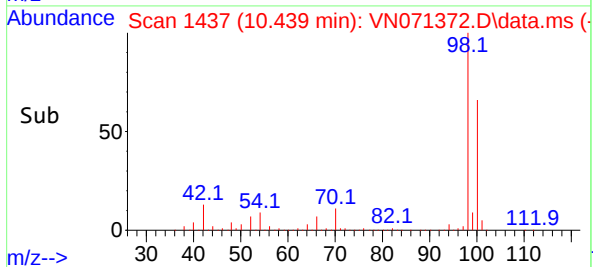
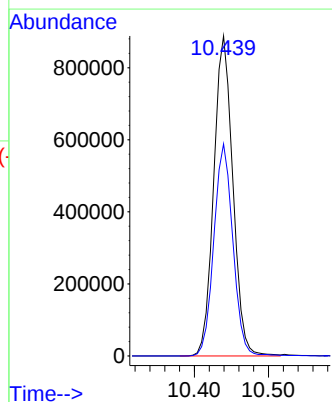
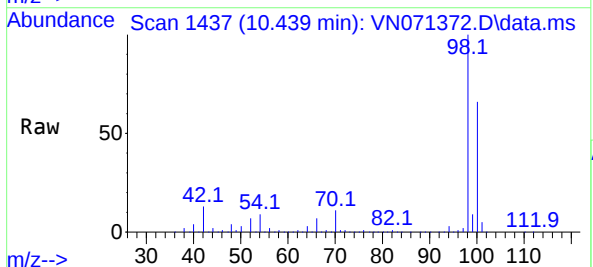


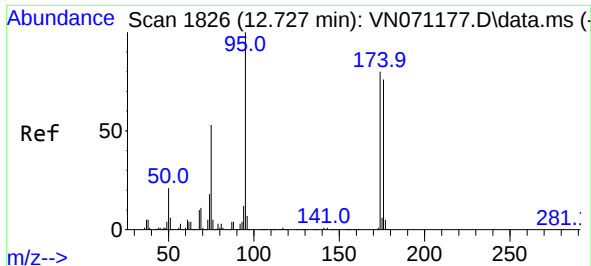
Tgt Ion: 43 Resp: 14759
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 48.335 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Tgt Ion: 98 Resp: 1590871
Ion Ratio Lower Upper
98 100
100 66.0 50.4 75.6

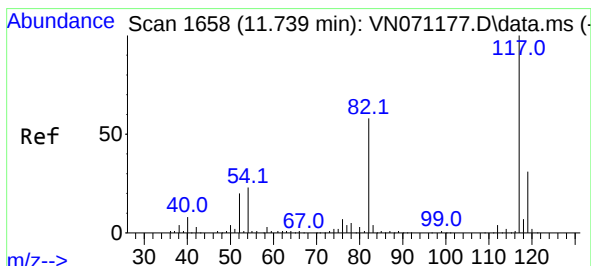
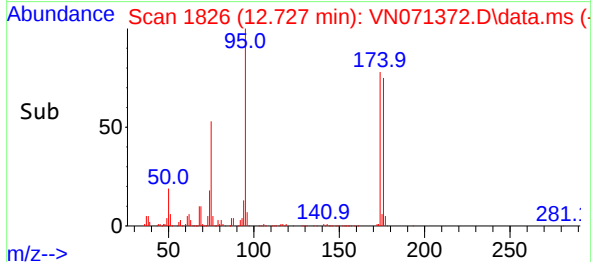
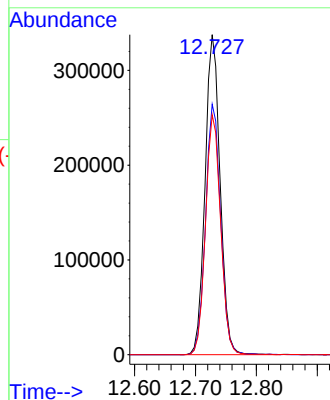
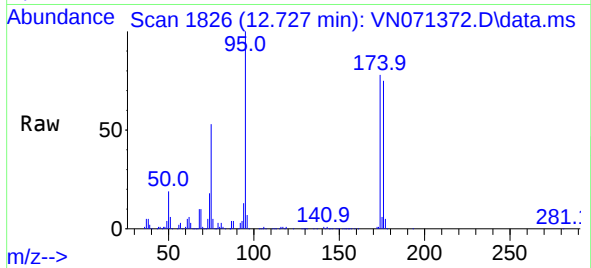




#62
4-Bromofluorobenzene
Concen: 51.875 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

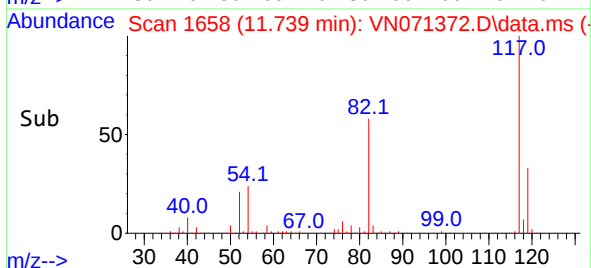
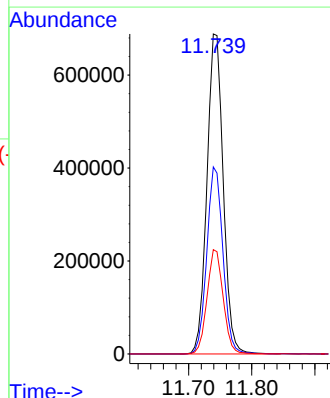
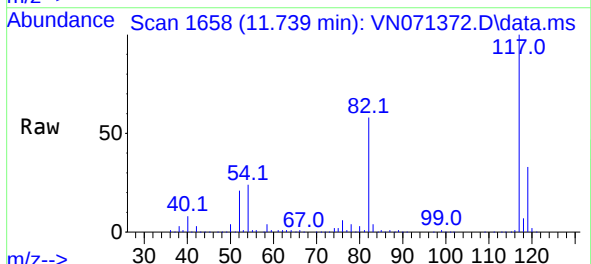
Instrument :
MSVOA_N
ClientSampleId :

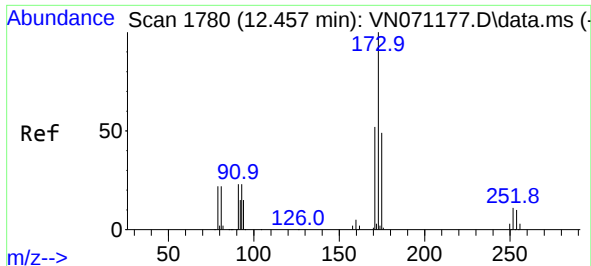
Tgt Ion: 95 Resp: 578169
Ion Ratio Lower Upper
95 100
174 78.5 0.0 187.2
176 75.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Tgt Ion: 117 Resp: 1235505
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.6 25.4 38.2

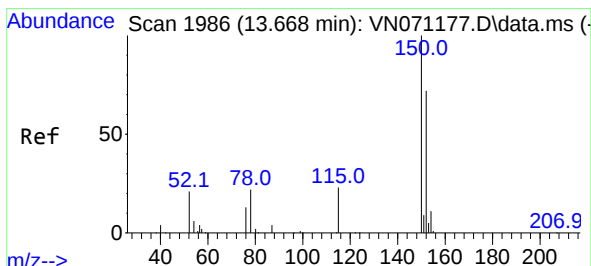
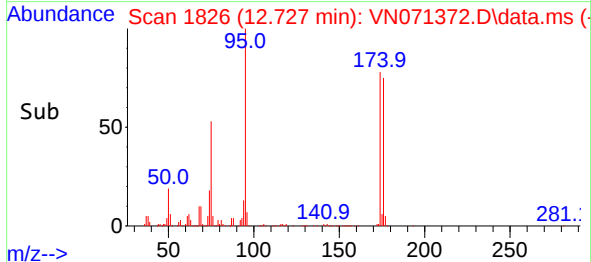
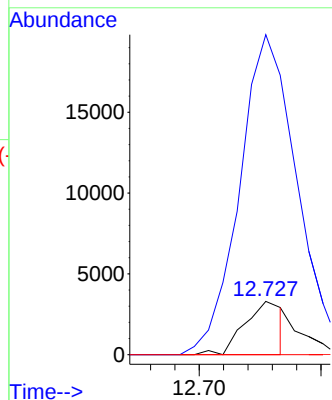
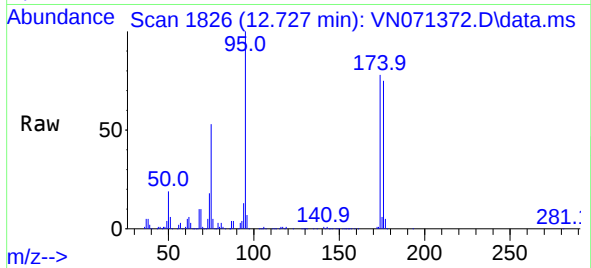




#71
Bromoform
Concen: 0.490 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

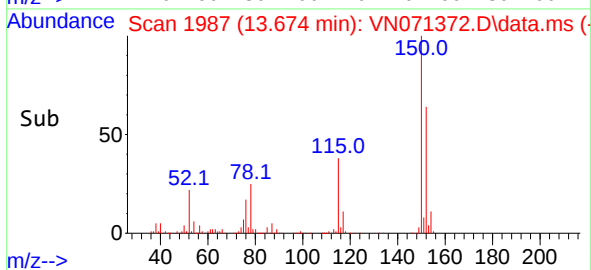
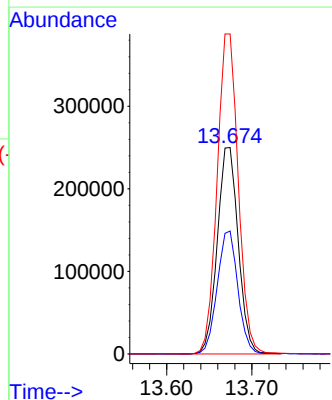
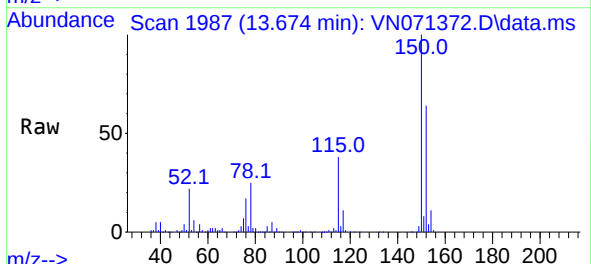
Instrument :
MSVOA_N
ClientSampleId :

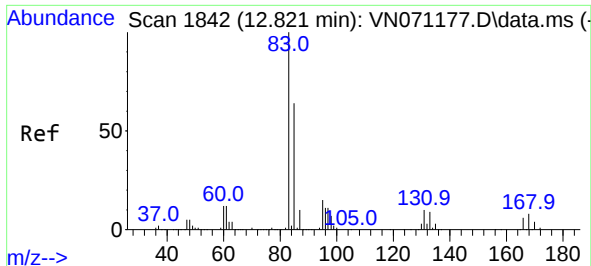
Tgt Ion:173 Resp: 3622
Ion Ratio Lower Upper
173 100
175 674.2 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Tgt Ion:152 Resp: 427447
Ion Ratio Lower Upper
152 100
115 58.9 27.5 82.5
150 156.4 0.0 344.4

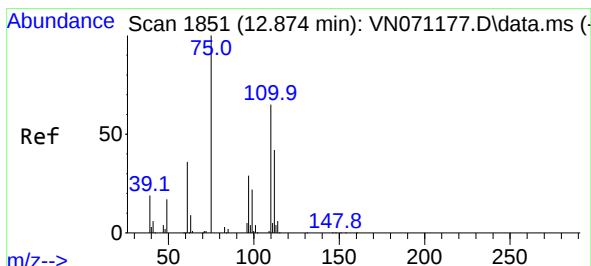
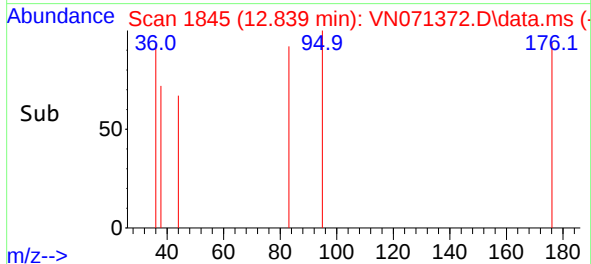
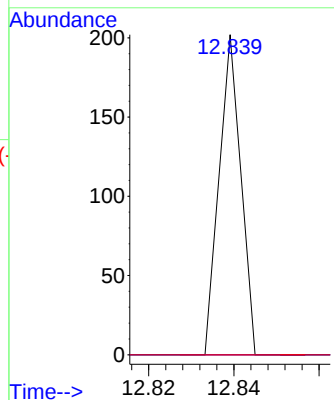
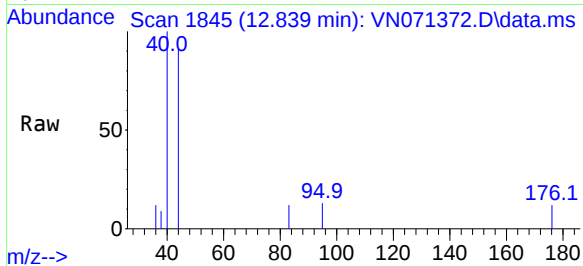




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.839 min Scan# 1845
Delta R.T. 0.018 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

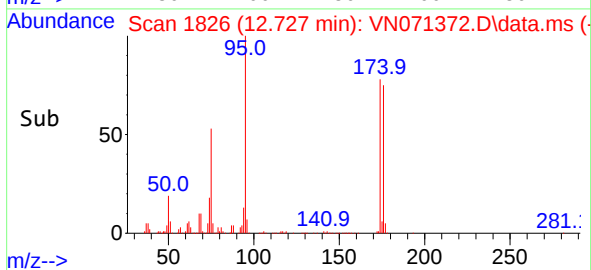
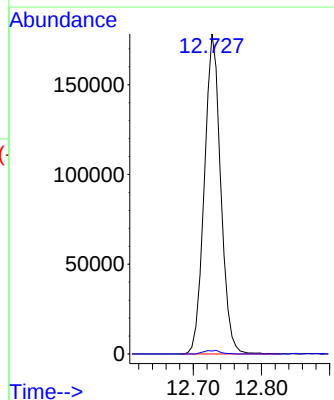
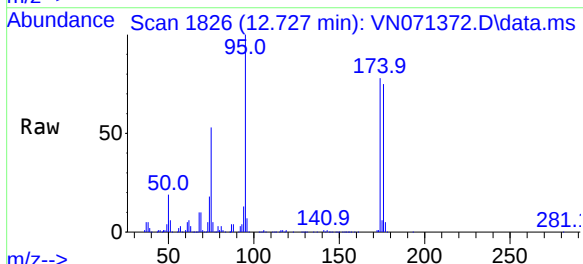
Instrument :
MSVOA_N
ClientSampleId :

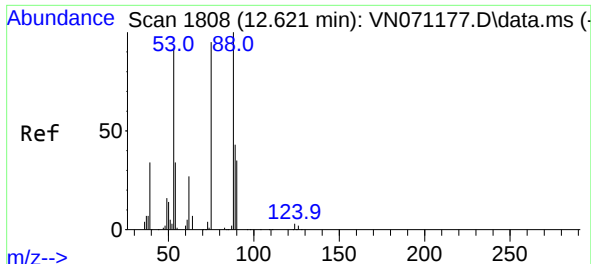
Tgt Ion: 83 Resp: 71
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.388 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Tgt Ion: 75 Resp: 296956
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

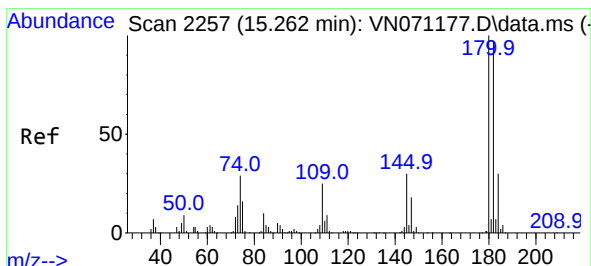
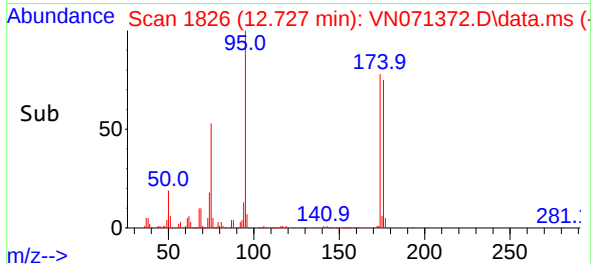
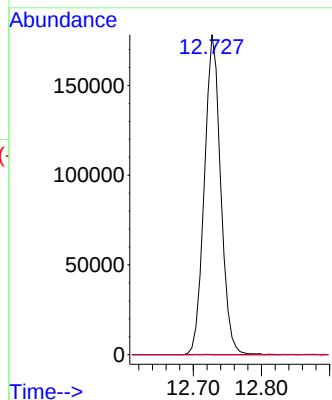
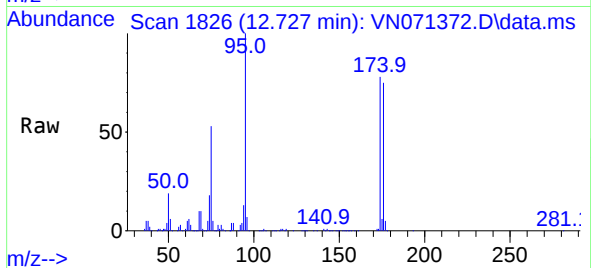




#81
trans-1,4-Dichloro-2-butene
Concen: 75.099 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

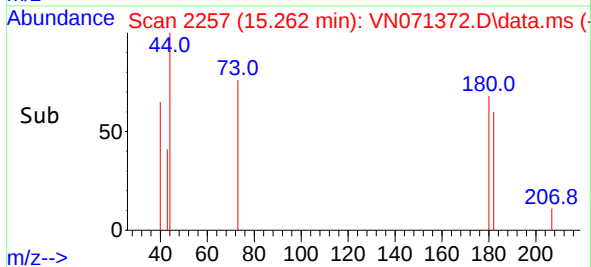
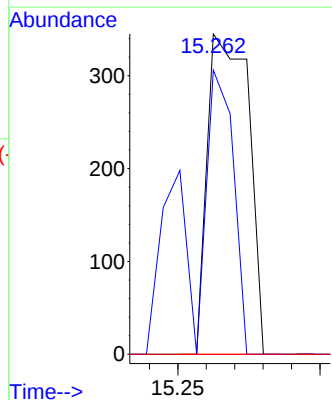
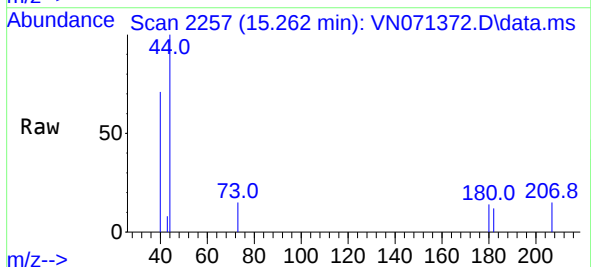
Instrument :
MSVOA_N
ClientSampleId :

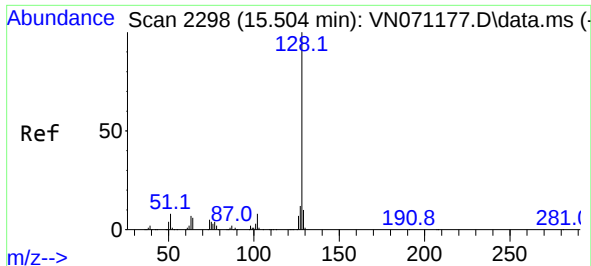
Tgt Ion: 75 Resp: 296956
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.036 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Tgt Ion:180 Resp: 346
Ion Ratio Lower Upper
180 100
182 57.5 48.3 144.9
145 0.0 14.5 43.5#

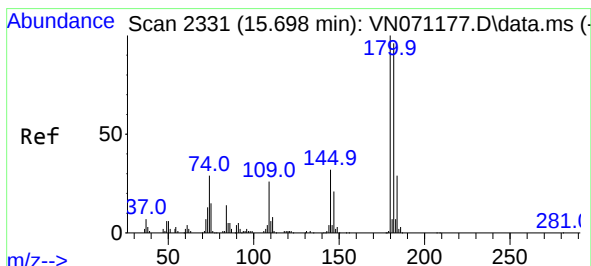
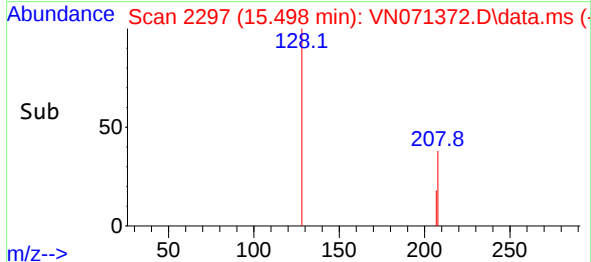
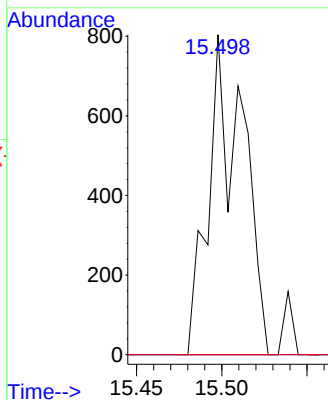
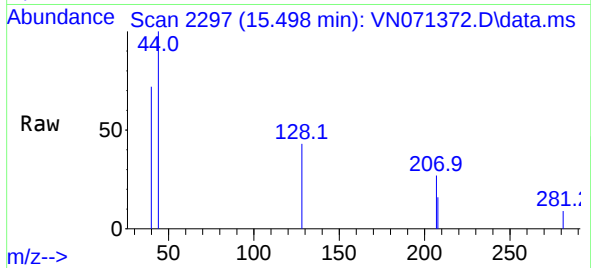




#95
Naphthalene
Concen: 5.119 ug/l
RT: 15.498 min Scan# 211
Delta R.T. -0.006 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1131
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.754 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071372.D
Acq: 18 Mar 2022 15:06

Tgt Ion:180 Resp: 159
Ion Ratio Lower Upper
180 100
182 152.2 47.4 142.2#
145 0.0 15.0 45.1#

