

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022322\
 Data File : VN071041.D
 Acq On : 23 Feb 2022 18:33
 Operator : JC\MD
 Sample : N1642-04 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31456

Quant Time: Feb 24 00:41:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

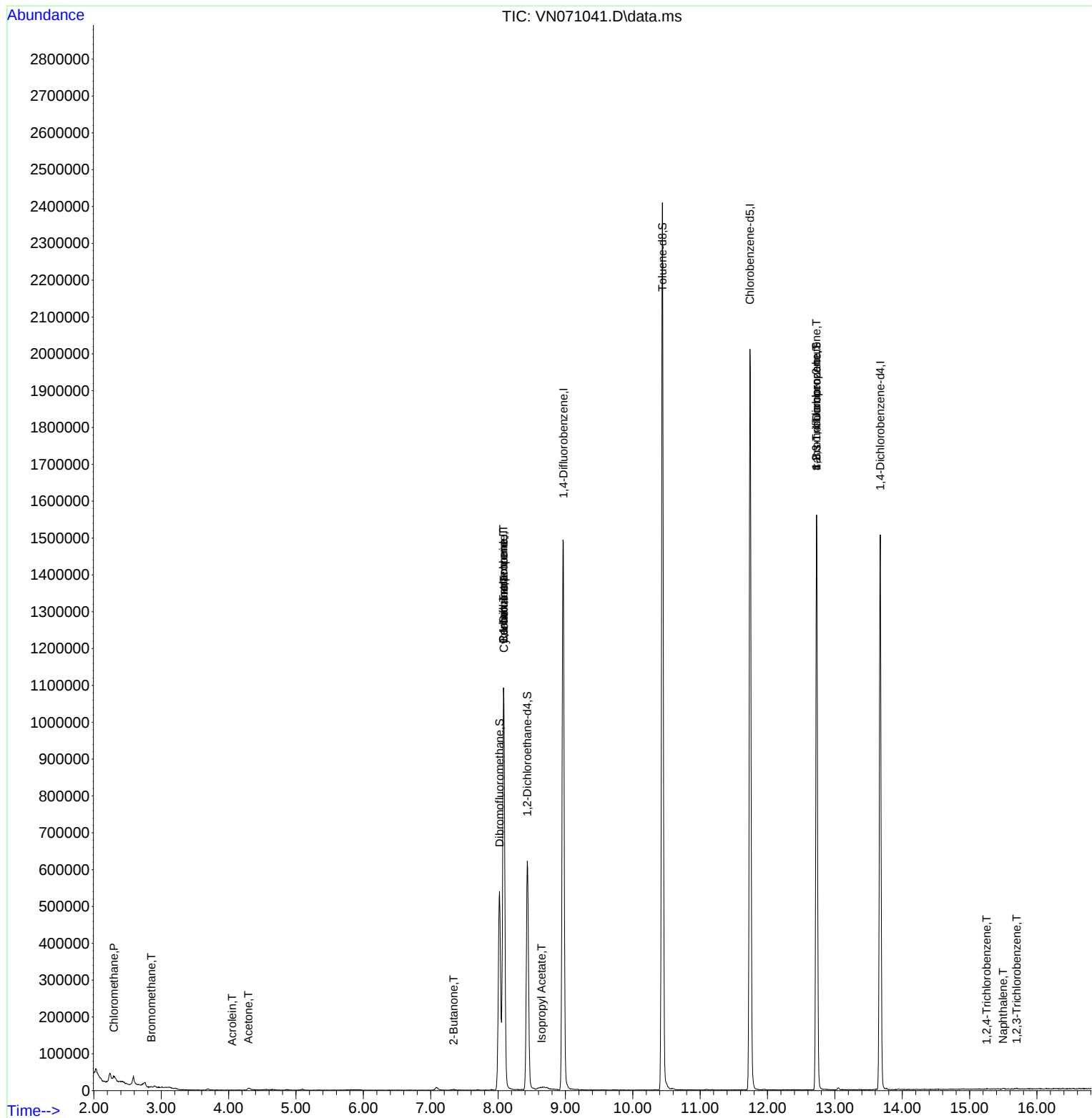
Internal Standards						
1) Pentafluorobenzene	8.081	168	859723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1350494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1208308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	421935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	510134	51.944	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.880%	
35) Dibromofluoromethane	8.022	113	398529	49.613	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.220%	
50) Toluene-d8	10.439	98	1646284	51.034	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.060%	
62) 4-Bromofluorobenzene	12.727	95	554433	48.083	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2999	0.267	ug/l	98
5) Bromomethane	2.852	94	1340	0.210	ug/l #	62
13) Acrolein	4.051	56	436	0.273	ug/l #	55
16) Acetone	4.293	43	7231	1.337	ug/l	90
18) Methyl Acetate	4.869	43	3712	Below Cal		98
25) 2-Butanone	7.339	43	3393	0.472	ug/l #	84
31) Cyclohexane	8.086	56	16553	0.975	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	65371	4.967	ug/l #	49
38) Carbon Tetrachloride	8.081	117	80877	6.237	ug/l #	17
43) Isopropyl Acetate	8.645	43	9011	0.405	ug/l #	55
76) 1,2,3-Trichloropropane	12.727	75	280519	28.237	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	280519	91.500	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.251	180	622	2.076	ug/l #	85
95) Naphthalene	15.498	128	2290	5.099	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.698	180	732	2.613	ug/l #	64

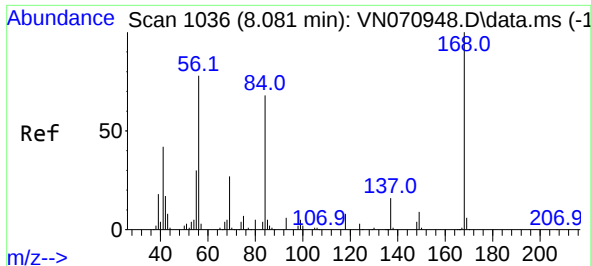
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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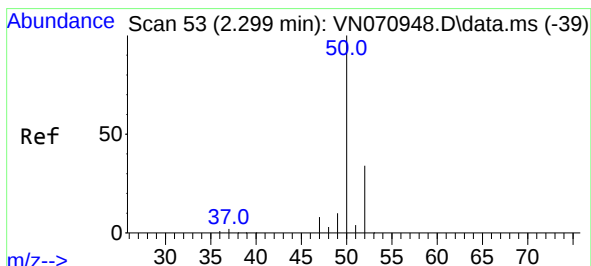
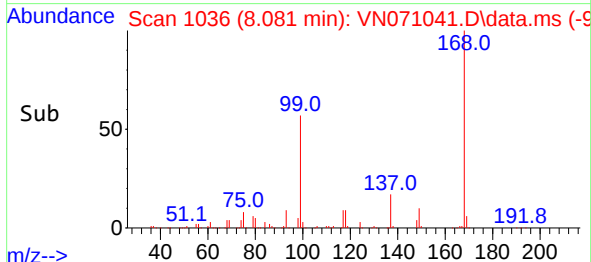
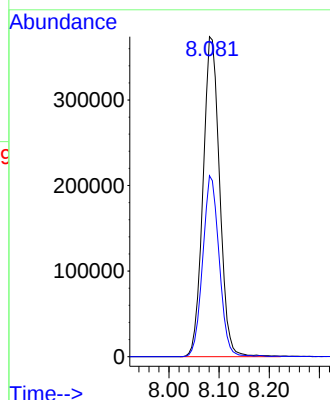
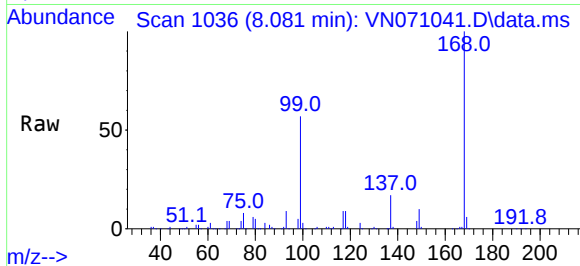




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

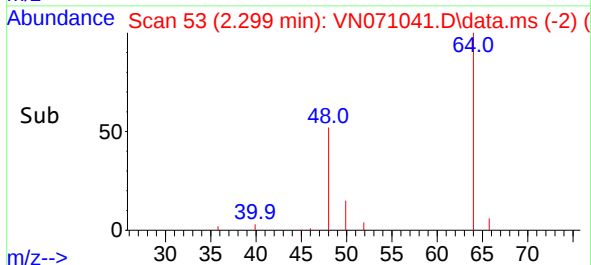
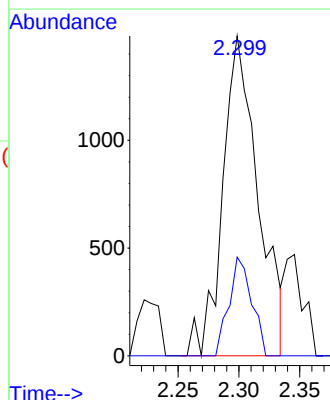
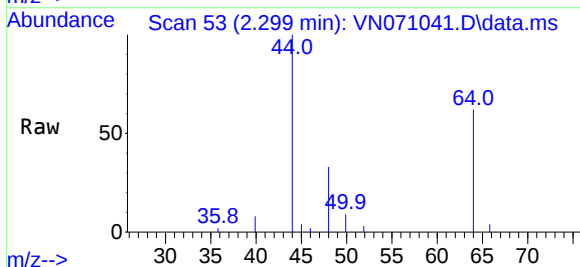
Instrument :
MSVOA_N
ClientSampleId :
31456

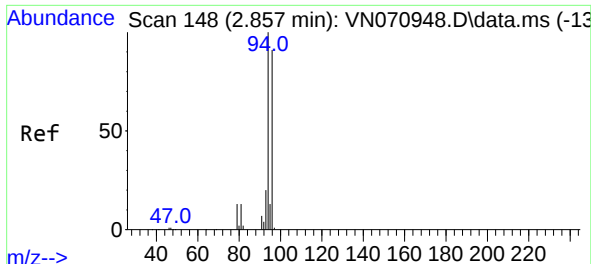
Tgt Ion:168 Resp: 859723
Ion Ratio Lower Upper
168 100
99 56.5 41.3 61.9



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

Tgt Ion: 50 Resp: 2999
Ion Ratio Lower Upper
50 100
52 30.9 25.4 38.0

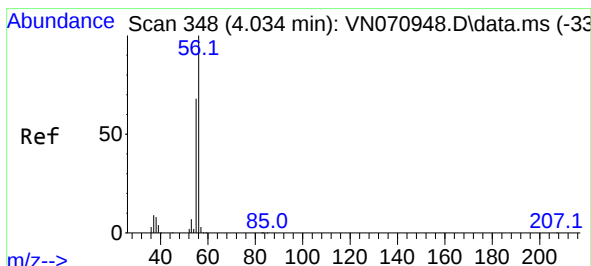
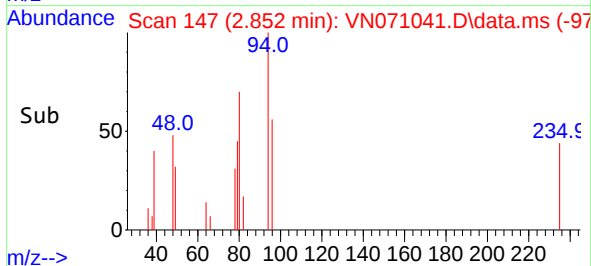
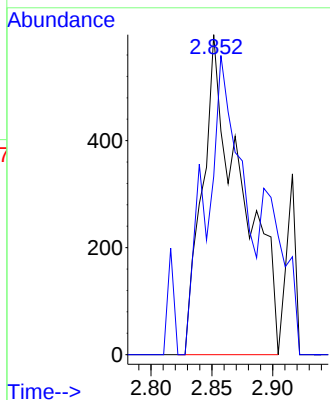
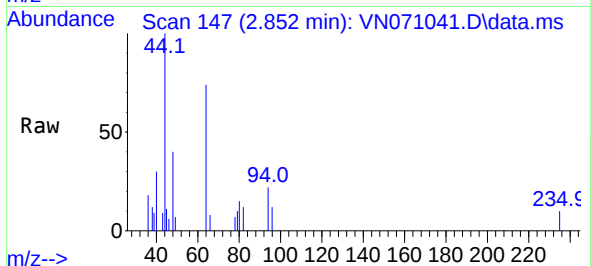




#5
Bromomethane
Concen: 0.210 ug/l
RT: 2.852 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

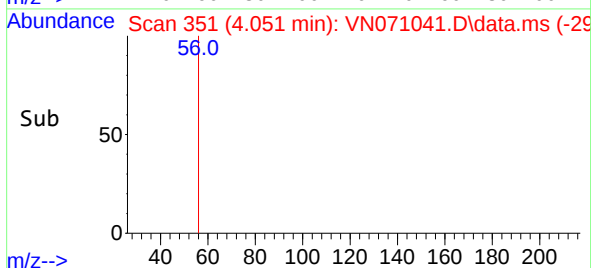
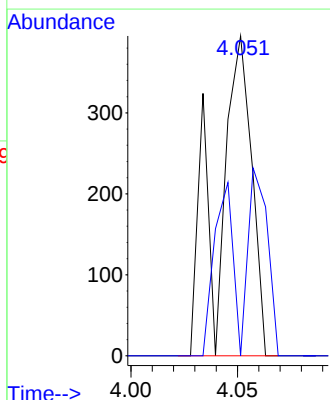
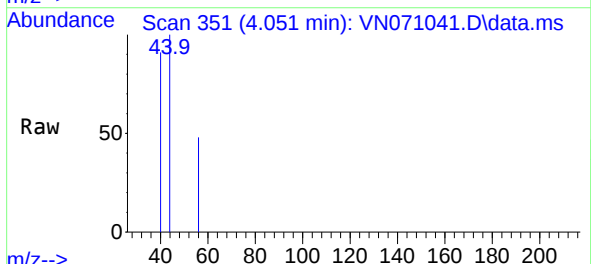
Instrument :
MSVOA_N
ClientSampleId :
31456

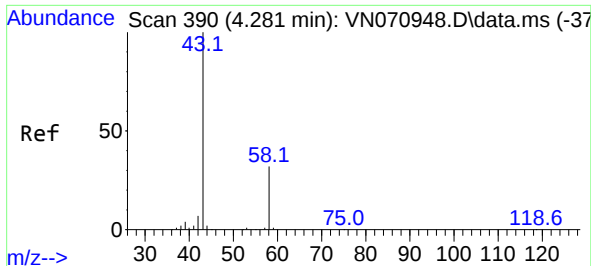
Tgt Ion: 94 Resp: 1340
Ion Ratio Lower Upper
94 100
96 55.7 73.8 110.8#



#13
Acrolein
Concen: 0.273 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.017 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

Tgt Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
55 33.7 56.6 85.0#

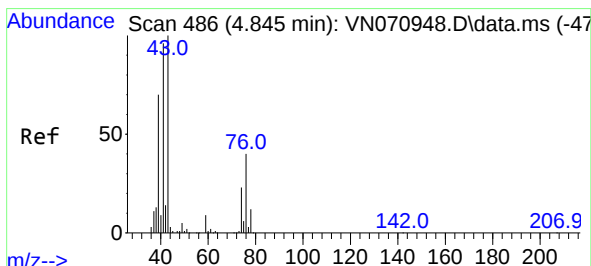
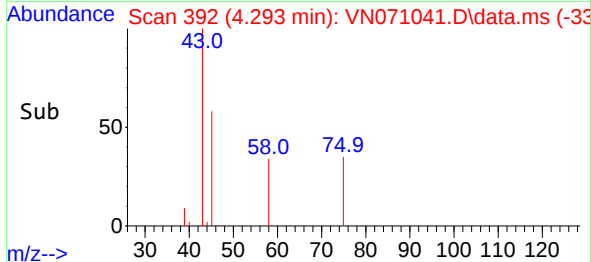
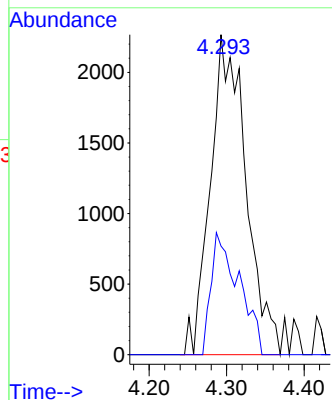
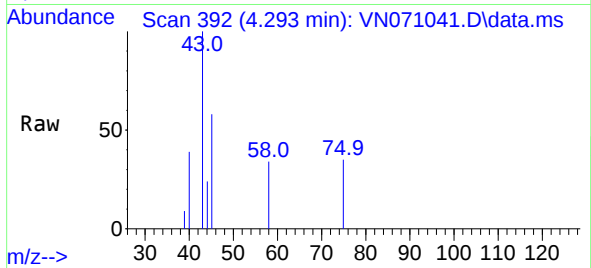




#16
Acetone
Concen: 1.337 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

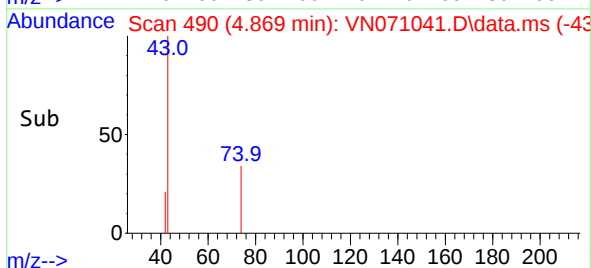
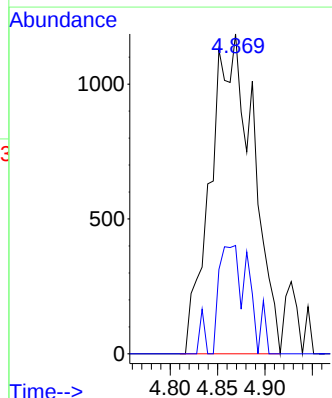
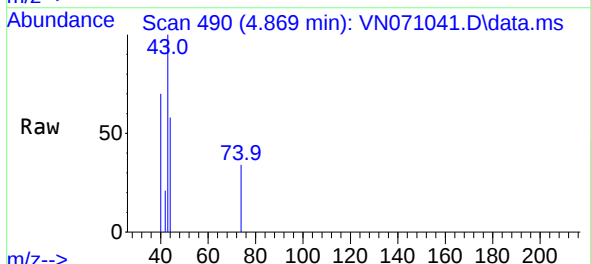
Instrument :
MSVOA_N
ClientSampleId :
31456

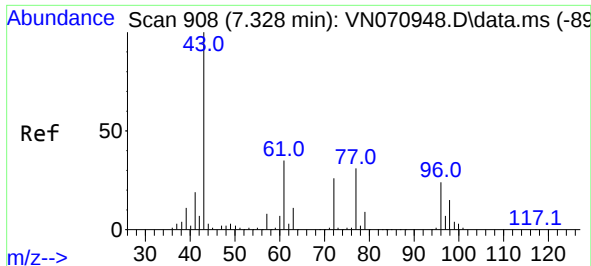
Tgt Ion: 43 Resp: 7231
Ion Ratio Lower Upper
43 100
58 34.0 23.1 34.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.024 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

Tgt Ion: 43 Resp: 3712
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2





#25

2-Butanone

Concen: 0.472 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN071041.D

Acq: 23 Feb 2022 18:33

Instrument :

MSVOA_N

ClientSampleId :

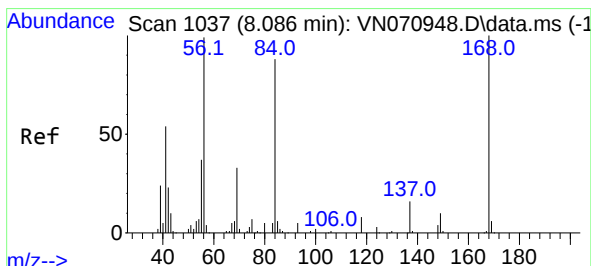
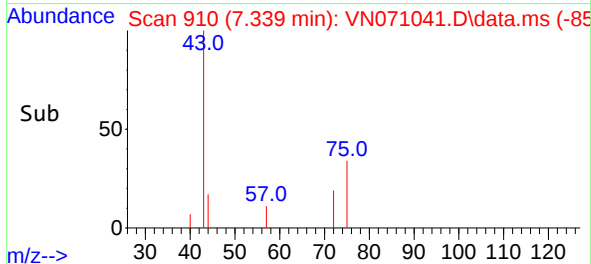
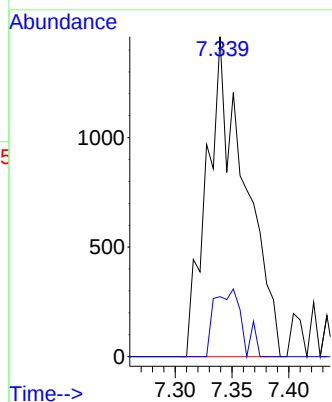
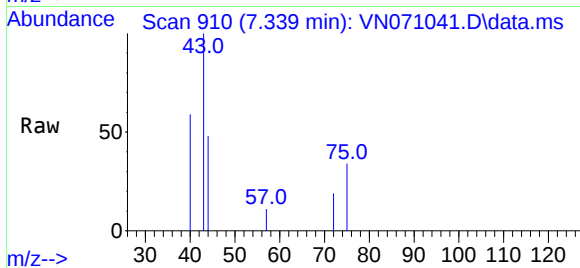
31456

Tgt Ion: 43 Resp: 3393

Ion Ratio Lower Upper

43 100

72 18.8 21.7 32.5#



#31

Cyclohexane

Concen: 0.975 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VN071041.D

Acq: 23 Feb 2022 18:33

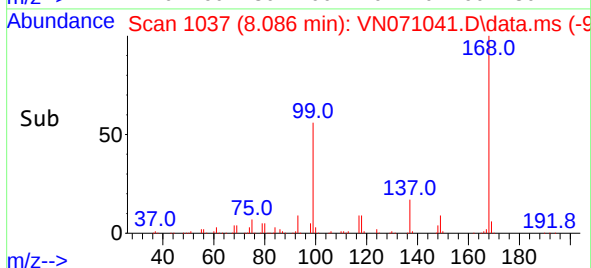
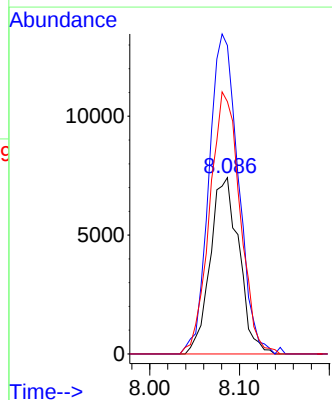
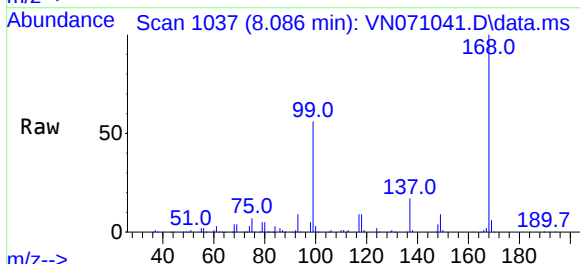
Tgt Ion: 56 Resp: 16553

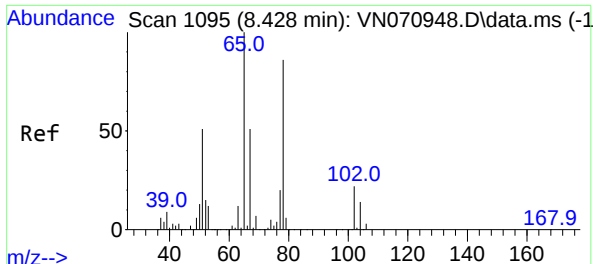
Ion Ratio Lower Upper

56 100

69 175.0 27.1 40.7#

84 143.1 73.4 110.0#

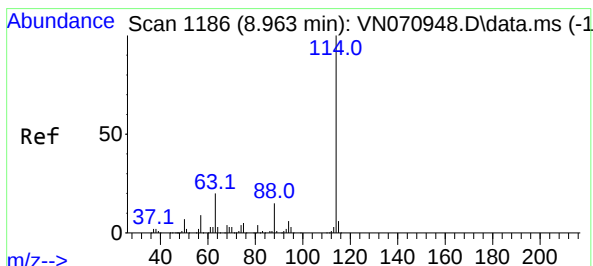
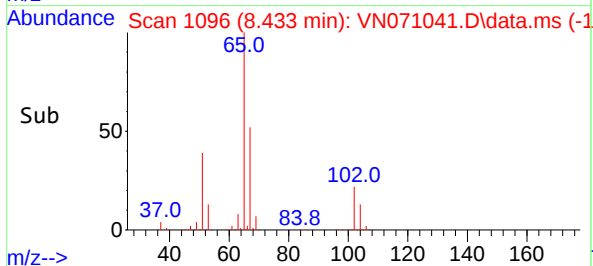
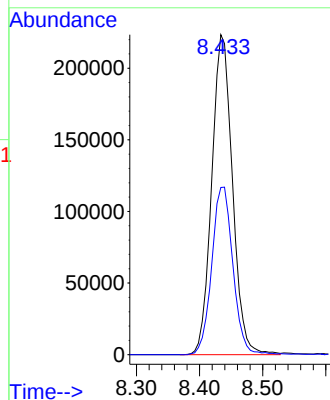
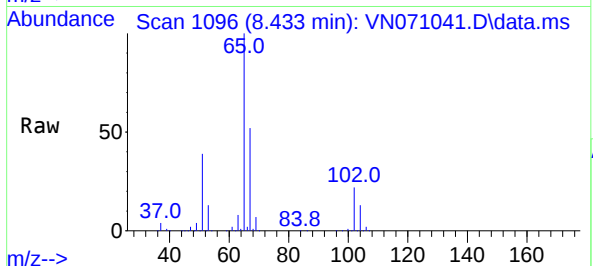




#33
1,2-Dichloroethane-d4
Concen: 51.944 ug/l
RT: 8.433 min Scan# 110
Delta R.T. 0.006 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

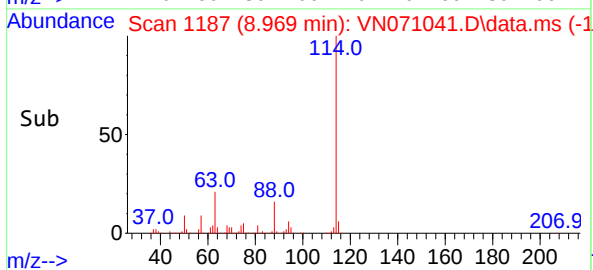
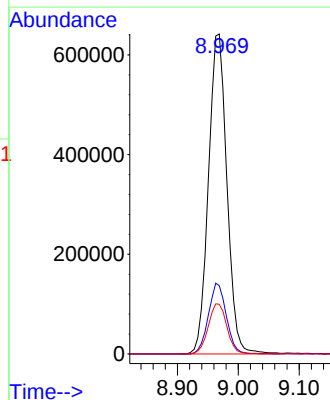
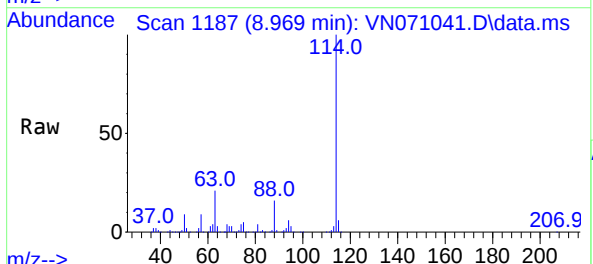
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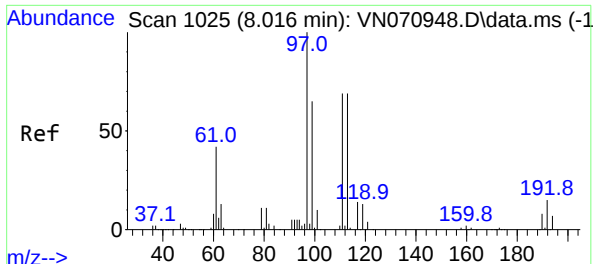
Tgt Ion: 65 Resp: 510134
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

Tgt Ion: 114 Resp: 1350494
Ion Ratio Lower Upper
114 100
63 21.4 0.0 37.8
88 15.6 0.0 27.4

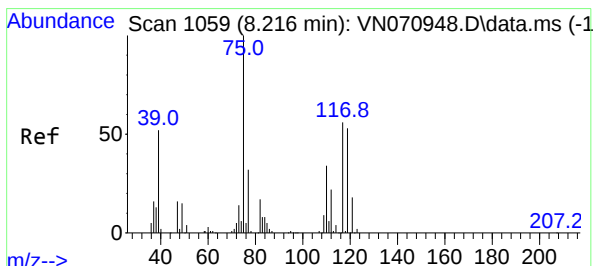
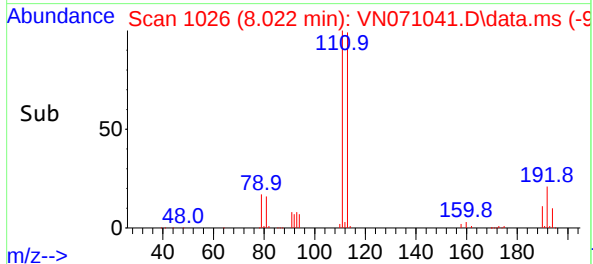
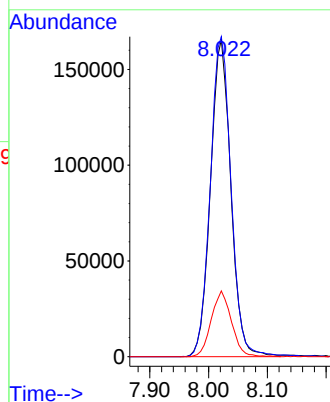
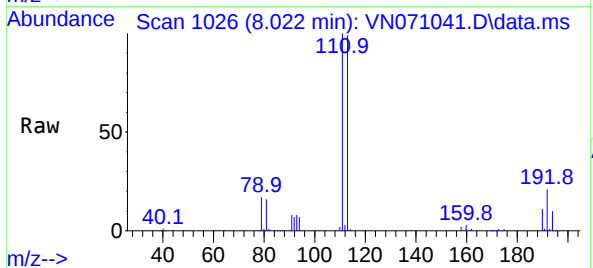




#35
Dibromofluoromethane
Concen: 49.613 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

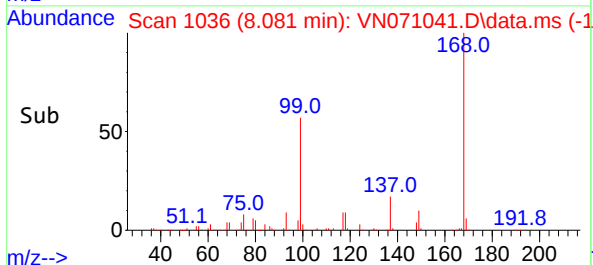
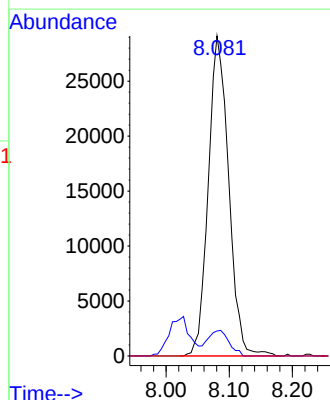
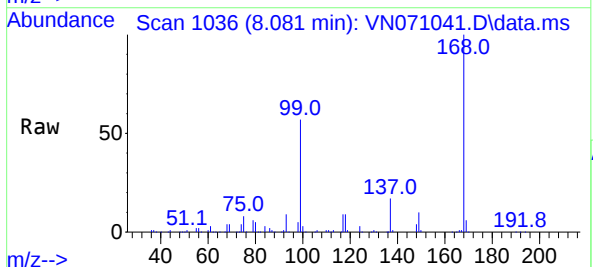
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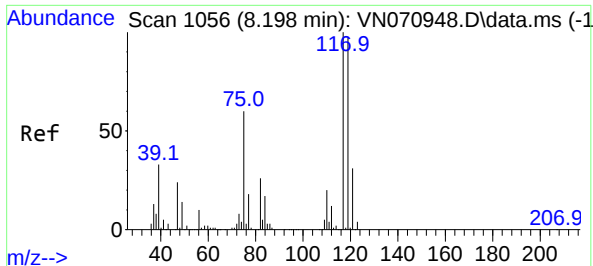
Tgt Ion:113 Resp: 398529
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

Tgt Ion: 75 Resp: 65371
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#

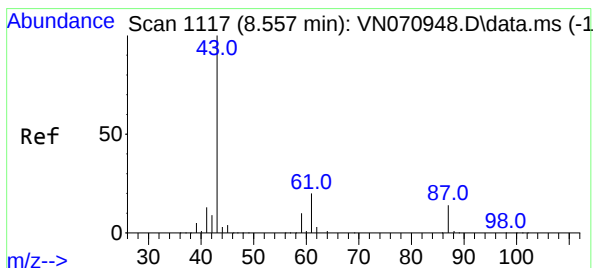
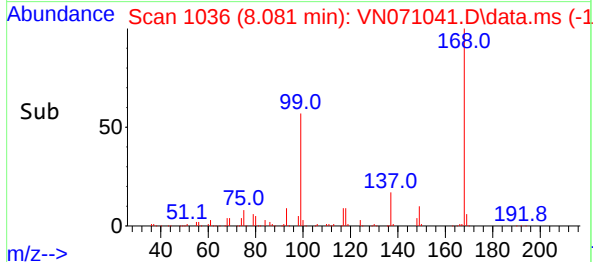
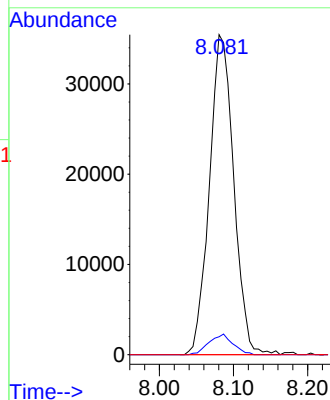
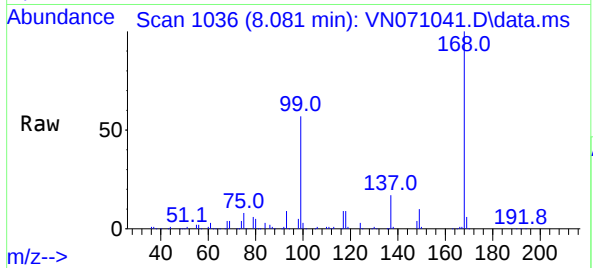




#38
Carbon Tetrachloride
Concen: 6.237 ug/l
RT: 8.081 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

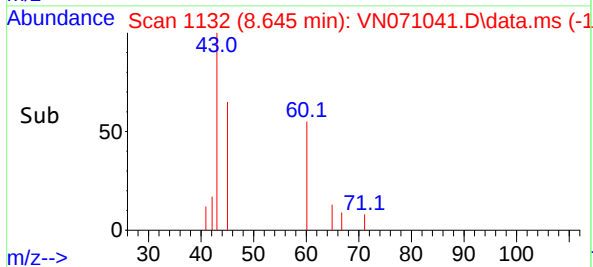
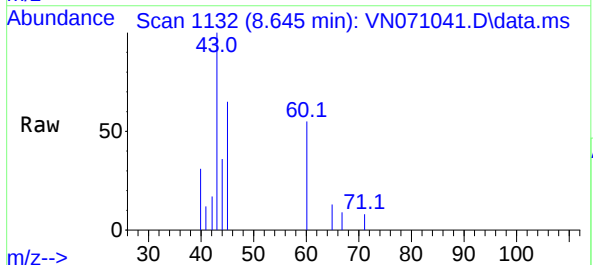
Instrument :
MSVOA_N
ClientSampleId :
31456

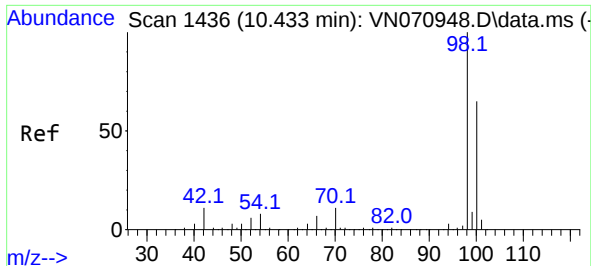
Tgt Ion:117 Resp: 80877
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.405 ug/l
RT: 8.645 min Scan# 1132
Delta R.T. 0.088 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

Tgt Ion: 43 Resp: 9011
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

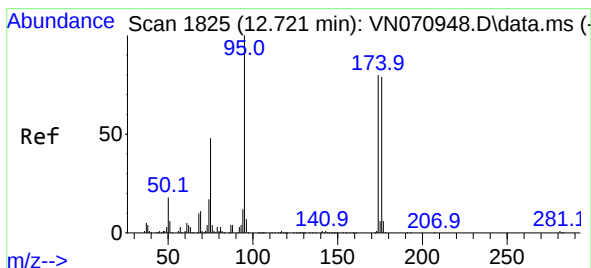
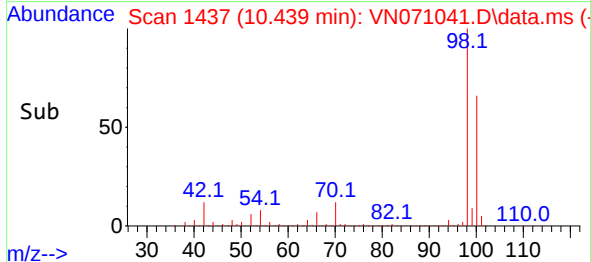
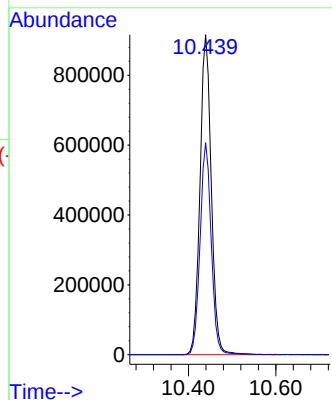
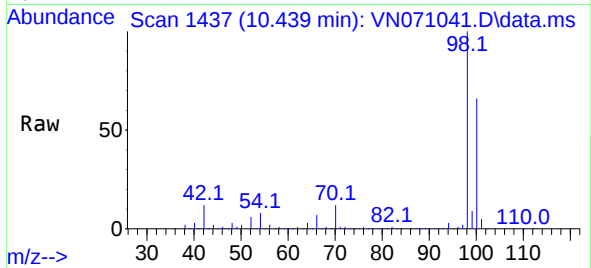




#50
Toluene-d8
Concen: 51.034 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

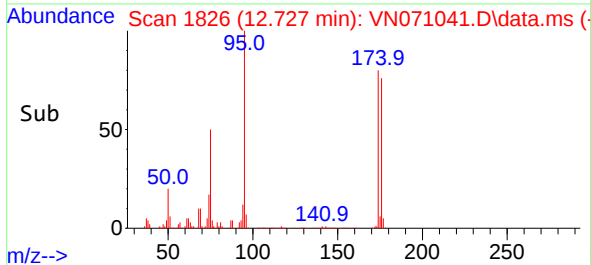
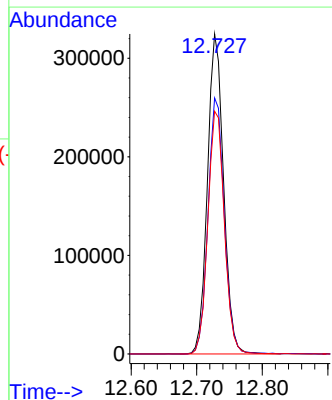
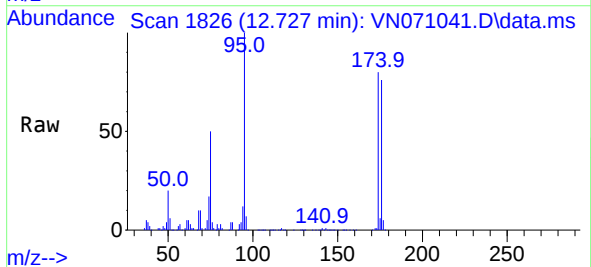
Instrument :
MSVOA_N
ClientSampleId :
31456

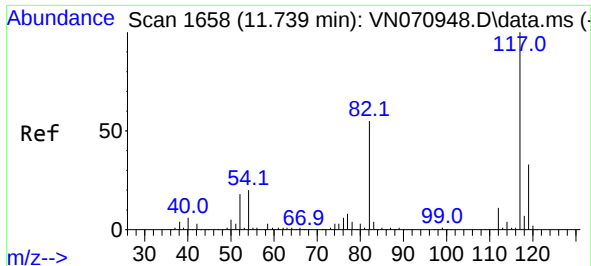
Tgt Ion: 98 Resp: 1646284
Ion Ratio Lower Upper
98 100
100 65.6 50.4 75.6



#62
4-Bromofluorobenzene
Concen: 48.083 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

Tgt Ion: 95 Resp: 554433
Ion Ratio Lower Upper
95 100
174 81.0 0.0 187.2
176 77.7 0.0 181.4

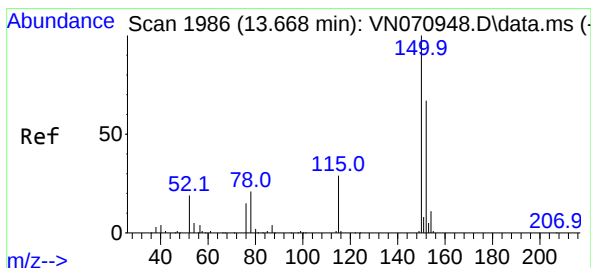
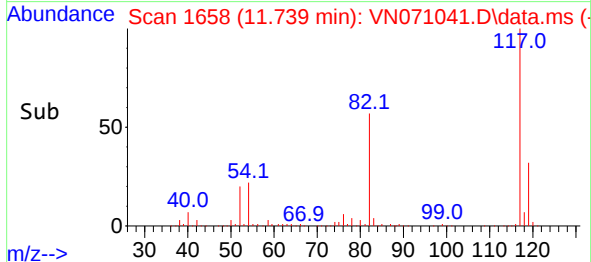
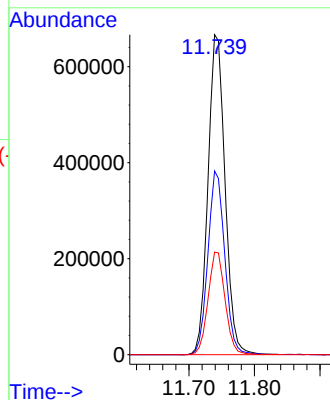
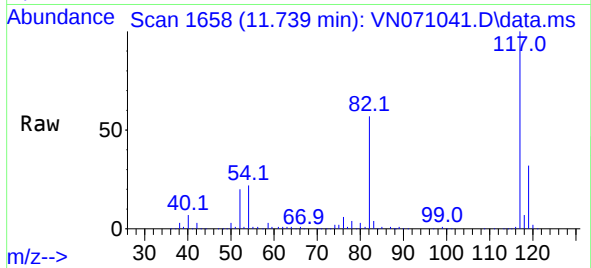




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

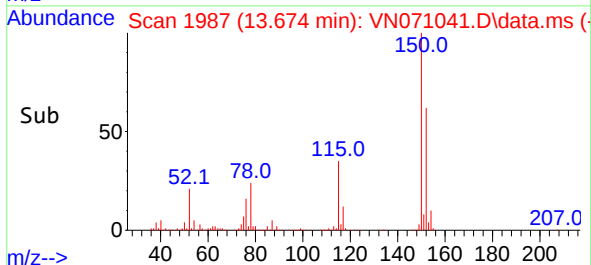
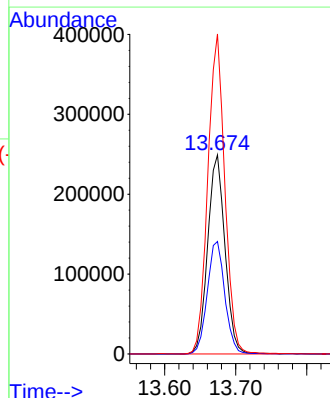
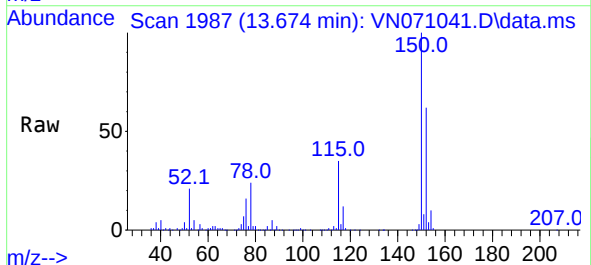
Instrument :
MSVOA_N
ClientSampleId :
31456

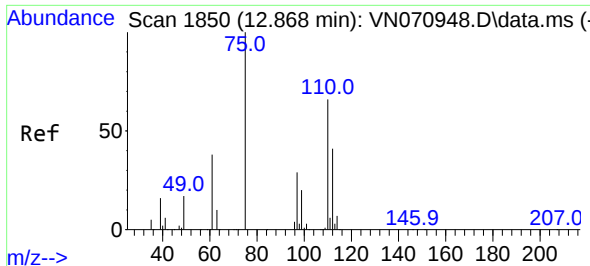
Tgt Ion:117 Resp: 1208308
Ion Ratio Lower Upper
117 100
82 57.4 42.4 63.6
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

Tgt Ion:152 Resp: 421935
Ion Ratio Lower Upper
152 100
115 57.5 27.5 82.5
150 158.3 0.0 344.4

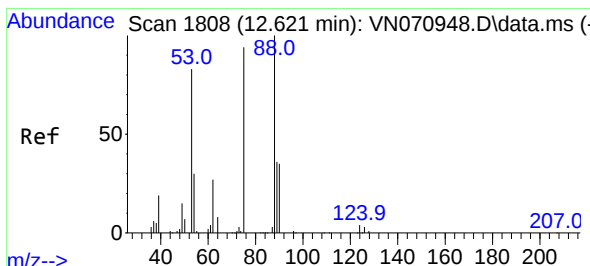
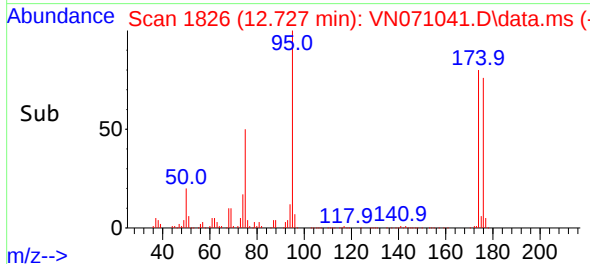
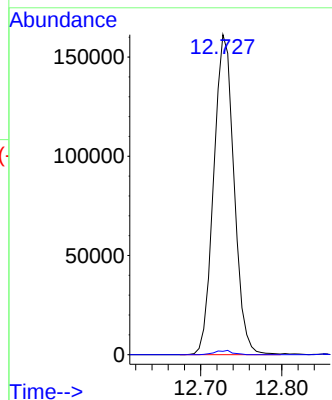
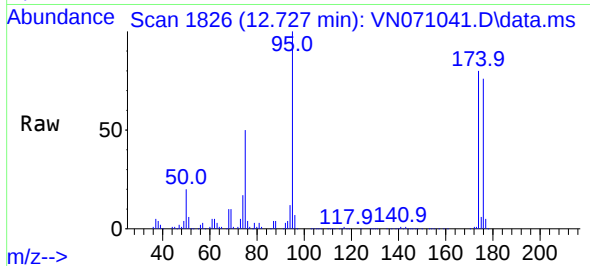




#76
1,2,3-Trichloropropane
Concen: 28.237 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

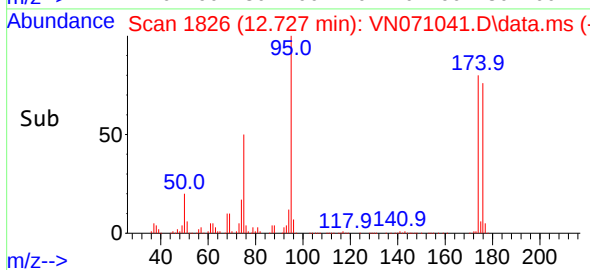
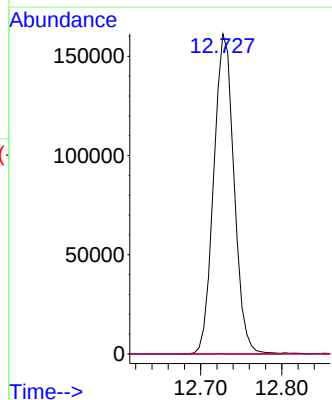
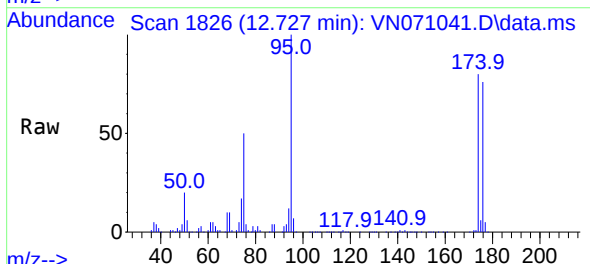
Instrument :
MSVOA_N
ClientSampleId :
31456

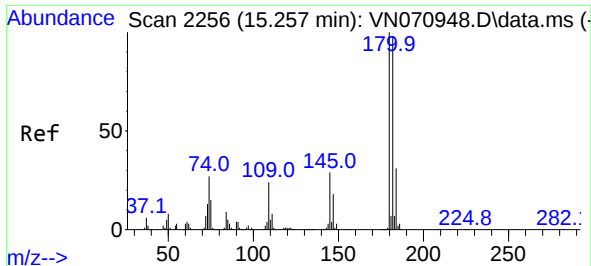
Tgt Ion: 75 Resp: 280519
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.500 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071041.D
Acq: 23 Feb 2022 18:33

Tgt Ion: 75 Resp: 280519
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 2.076 ug/l

RT: 15.251 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN071041.D

Acq: 23 Feb 2022 18:33

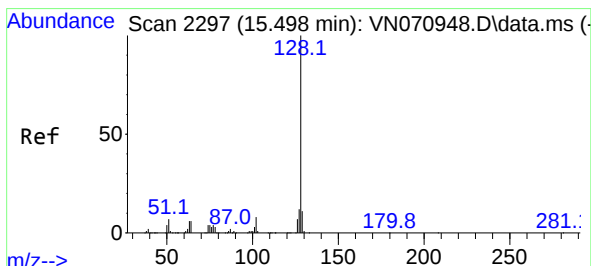
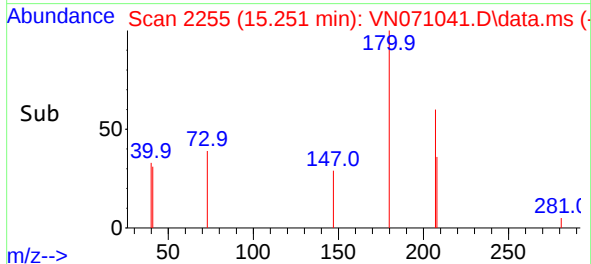
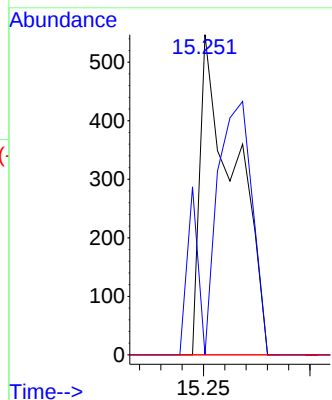
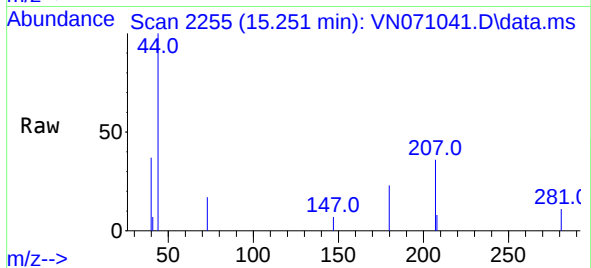
Instrument :

MSVOA_N

ClientSampleId :

31456

Tgt Ion:180	Resp:	622
Ion Ratio	Lower	Upper
180	100	
182	94.1	48.3 144.9
145	0.0	14.5 43.5#



#95

Naphthalene

Concen: 5.099 ug/l

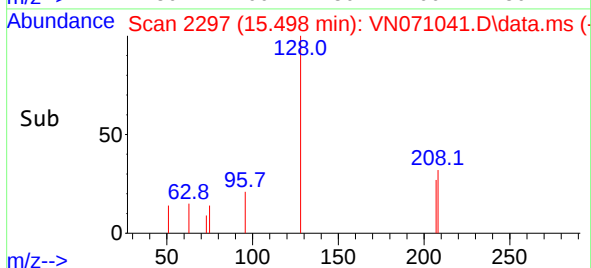
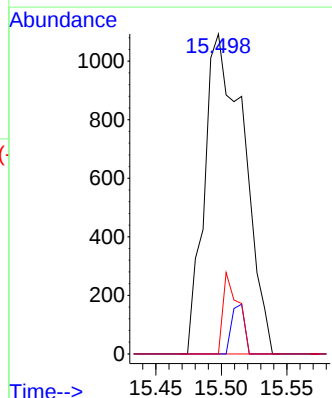
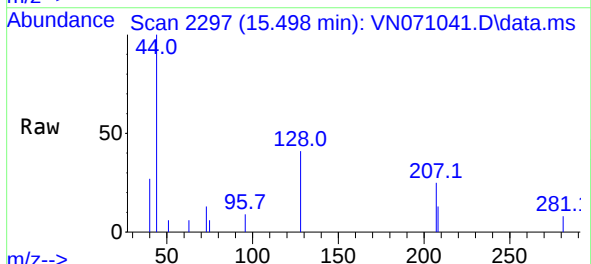
RT: 15.498 min Scan# 2297

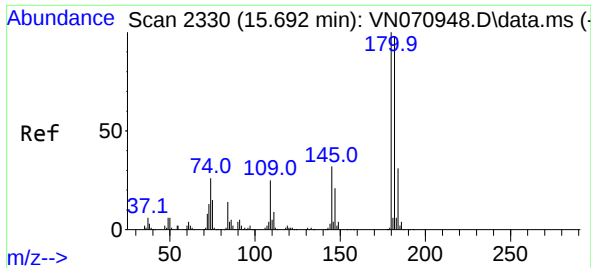
Delta R.T. -0.000 min

Lab File: VN071041.D

Acq: 23 Feb 2022 18:33

Tgt Ion:128	Resp:	2290
Ion Ratio	Lower	Upper
128	100	
127	5.0	10.5 15.7#
129	9.8	8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.613 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071041.D
 Acq: 23 Feb 2022 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 31456

Tgt Ion:180 Resp: 732
 Ion Ratio Lower Upper
 180 100
 182 124.0 47.4 142.2
 145 0.0 15.0 45.1#

