

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021822\
 Data File : VN071003.D
 Acq On : 18 Feb 2022 16:14
 Operator : JC\MD
 Sample : N1581-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20220215

Quant Time: Feb 19 04:08:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	848691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1335115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1165209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	382586	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	503620	51.948	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.900%	
35) Dibromofluoromethane	8.022	113	394206	49.640	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.280%	
50) Toluene-d8	10.439	98	1609913	50.481	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.960%	
62) 4-Bromofluorobenzene	12.727	95	511925	44.908	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 89.820%	

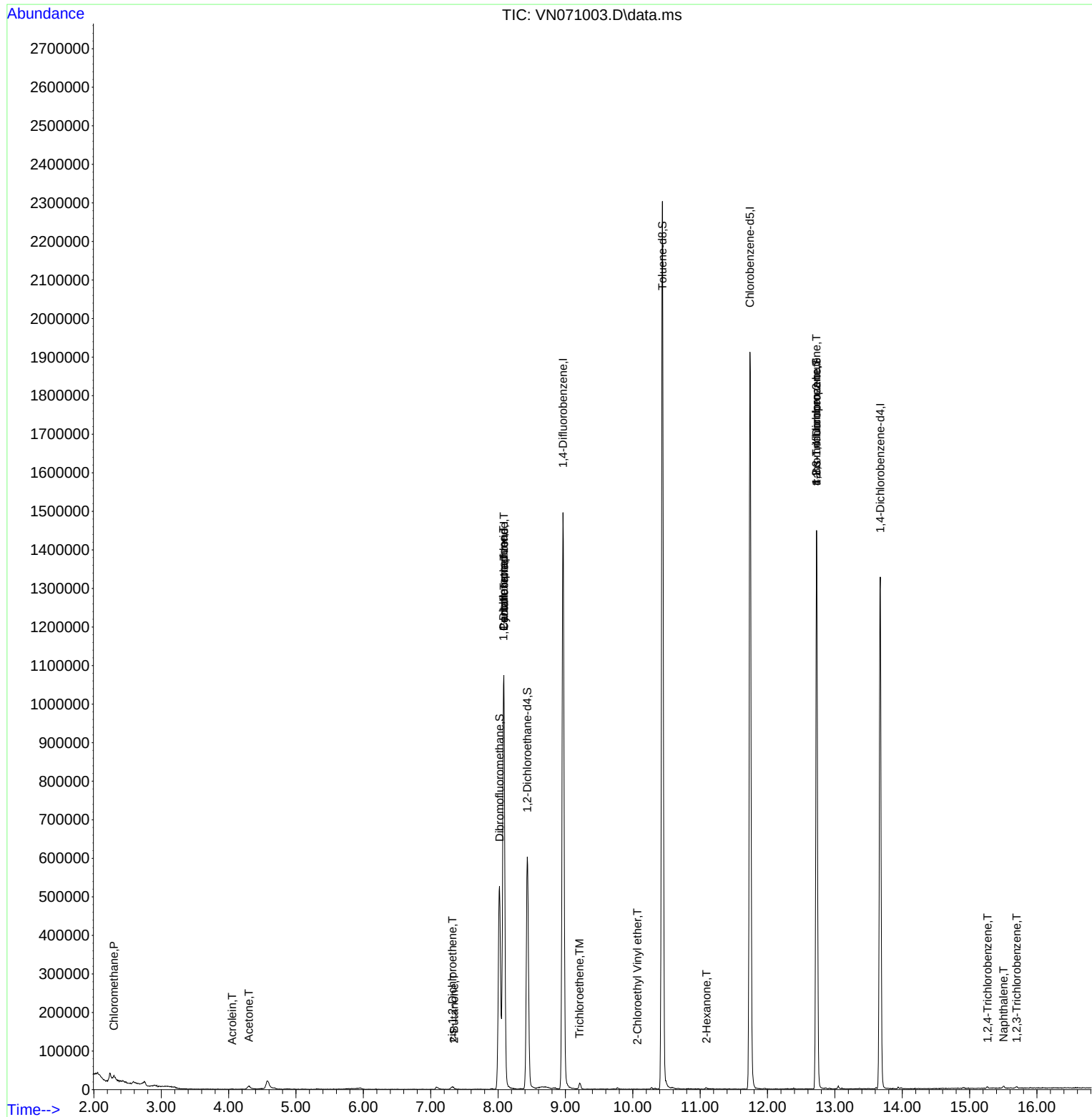
Target Compounds				Qvalue		
3) Chloromethane	2.299	50	2709	0.245	ug/l	90
13) Acrolein	4.051	56	393	0.249	ug/l #	24
16) Acetone	4.298	43	13186	2.470	ug/l	100
18) Methyl Acetate	4.863	43	1841	Below Cal	#	79
25) 2-Butanone	7.345	43	3335	0.470	ug/l #	82
27) cis-1,2-Dichloroethene	7.322	96	2648	0.258	ug/l	96
31) Cyclohexane	8.086	56	17793	1.061	ug/l #	14
36) 1,1-Dichloropropene	8.081	75	61650	4.738	ug/l #	48
38) Carbon Tetrachloride	8.086	117	81385	6.349	ug/l #	16
44) Trichloroethene	9.210	130	5744	0.567	ug/l	79
58) 2-Chloroethyl Vinyl ether	10.069	63	69	31.820	ug/l #	45
59) 2-Hexanone	11.092	43	3125	0.340	ug/l	89
76) 1,2,3-Trichloropropane	12.727	75	256120	28.432	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	256120	92.134	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1852	2.251	ug/l	85
95) Naphthalene	15.504	128	5759	5.293	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.698	180	1622	2.753	ug/l	83

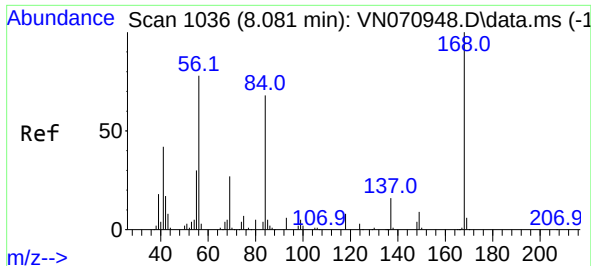
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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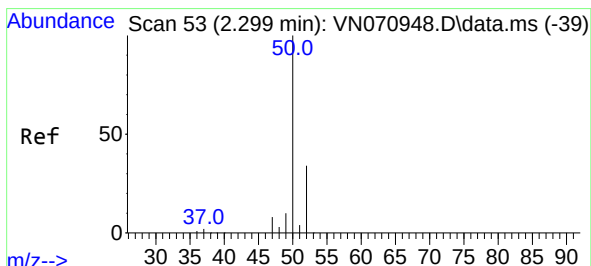
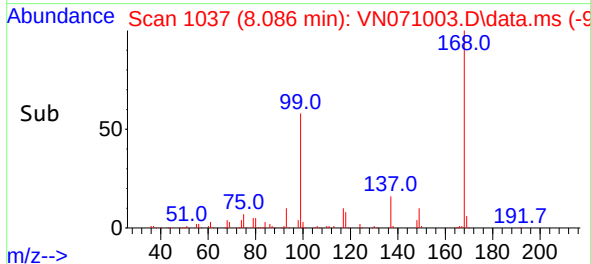
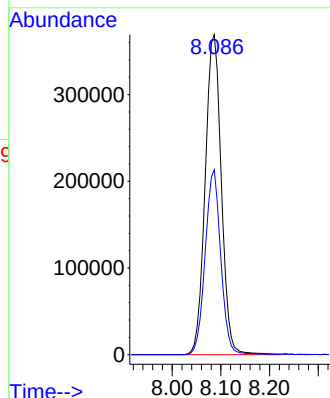
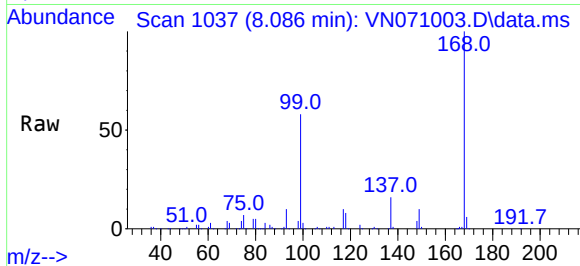




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

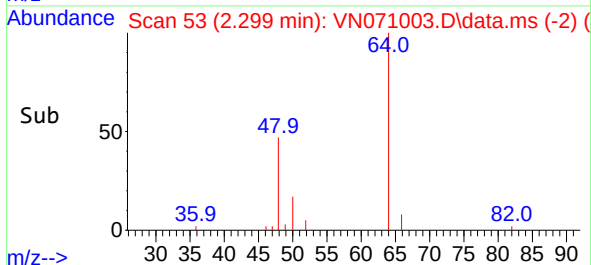
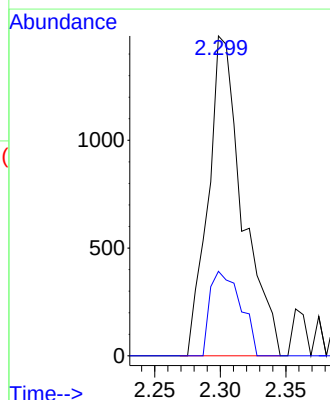
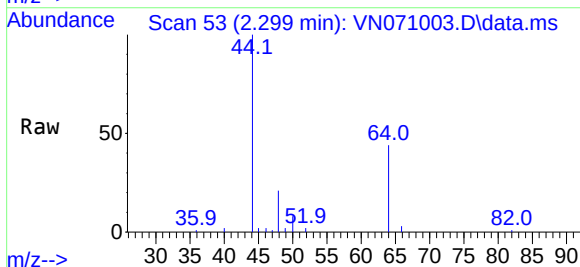
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20220215

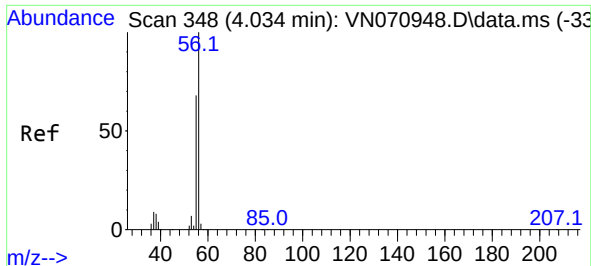
Tgt Ion:168 Resp: 848691
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

Tgt Ion: 50 Resp: 2709
Ion Ratio Lower Upper
50 100
52 26.4 25.4 38.0





#13

Acrolein

Concen: 0.249 ug/l

RT: 4.051 min Scan# 3

Delta R.T. 0.017 min

Lab File: VN071003.D

Acq: 18 Feb 2022 16:14

Instrument :

MSVOA_N

ClientSampleId :

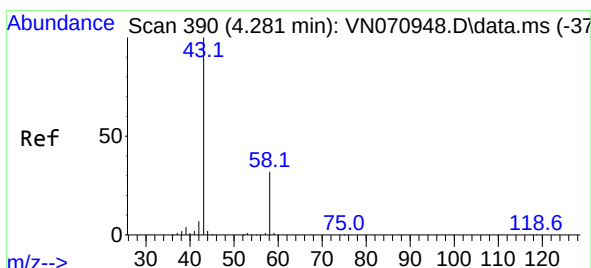
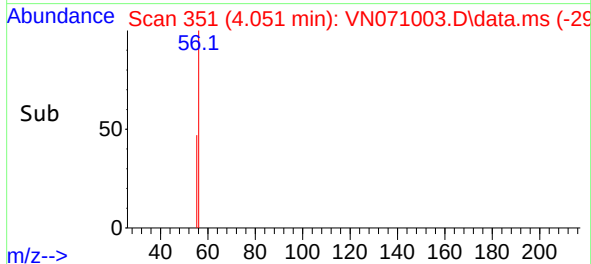
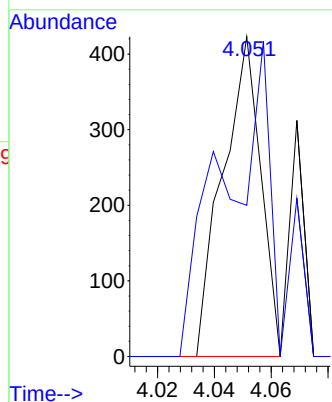
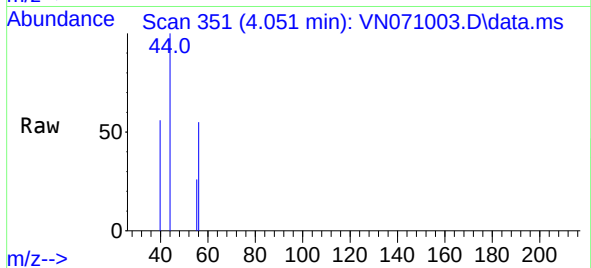
DUP01-20220215

Tgt Ion: 56 Resp: 393

Ion Ratio Lower Upper

56 100

55 133.8 56.6 85.0#



#16

Acetone

Concen: 2.470 ug/l

RT: 4.298 min Scan# 393

Delta R.T. 0.018 min

Lab File: VN071003.D

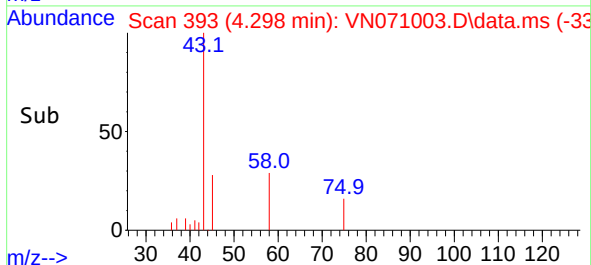
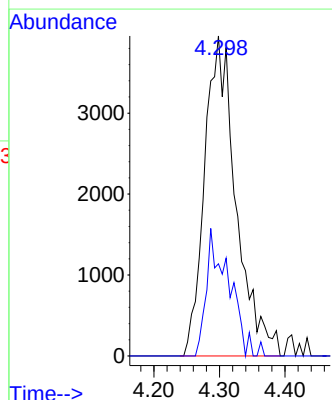
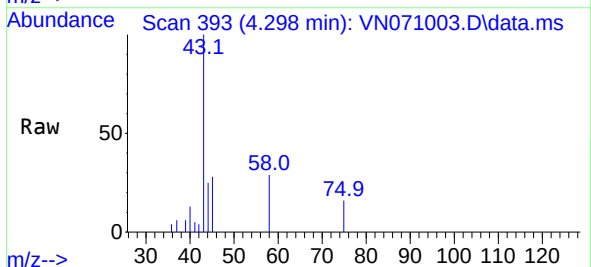
Acq: 18 Feb 2022 16:14

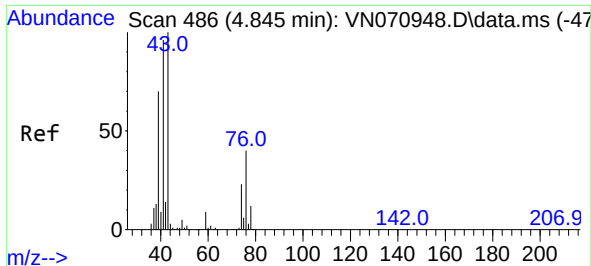
Tgt Ion: 43 Resp: 13186

Ion Ratio Lower Upper

43 100

58 28.8 23.1 34.7





#18

Methyl Acetate

Concen: Below Cal

RT: 4.863 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN071003.D

Acq: 18 Feb 2022 16:14

Instrument :

MSVOA_N

ClientSampleId :

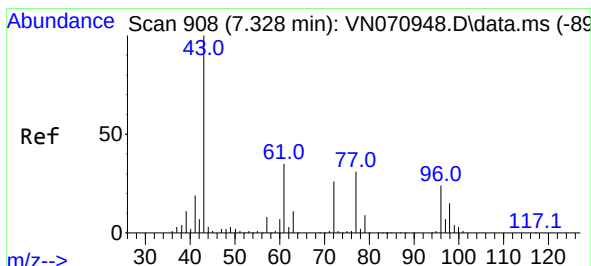
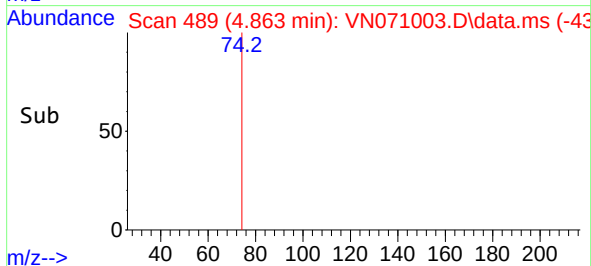
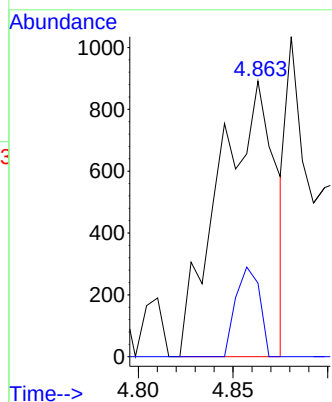
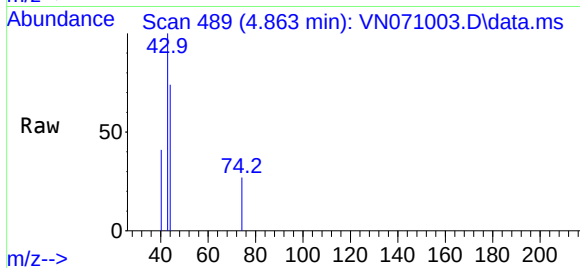
DUP01-20220215

Tgt Ion: 43 Resp: 1841

Ion Ratio Lower Upper

43 100

74 13.8 19.4 29.2#



#25

2-Butanone

Concen: 0.470 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN071003.D

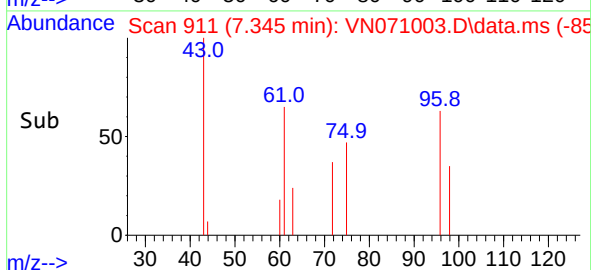
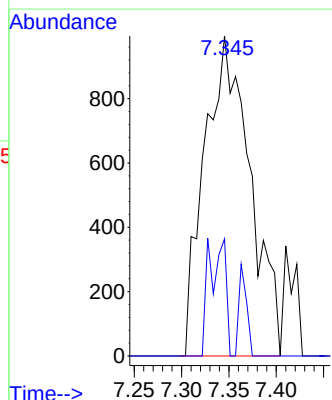
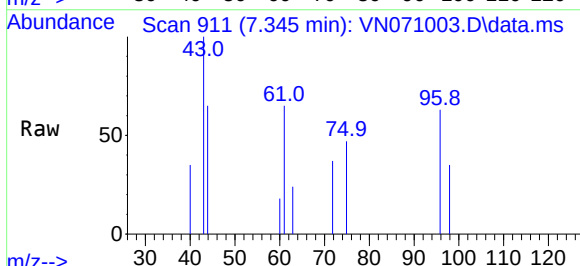
Acq: 18 Feb 2022 16:14

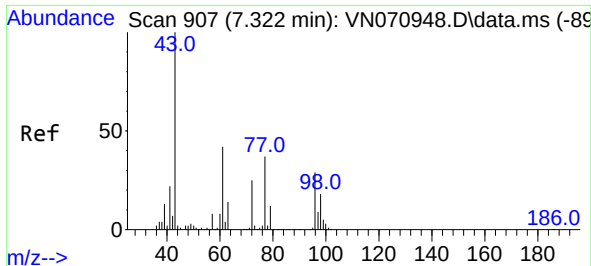
Tgt Ion: 43 Resp: 3335

Ion Ratio Lower Upper

43 100

72 36.6 21.7 32.5#

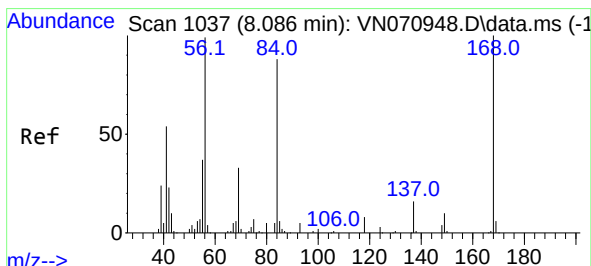
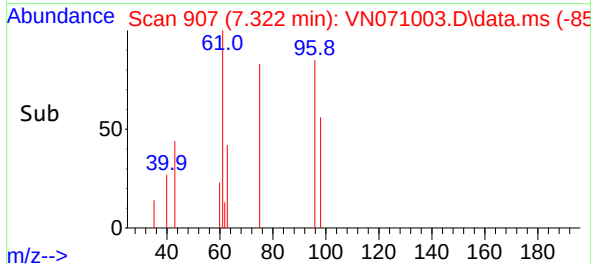
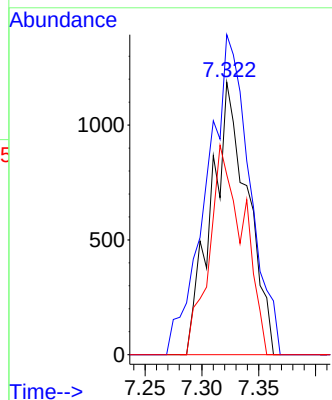
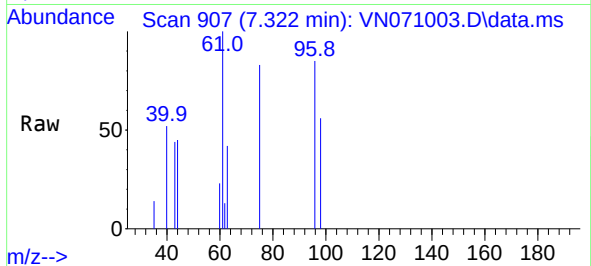




#27
cis-1,2-Dichloroethene
Concen: 0.258 ug/l
RT: 7.322 min Scan# 907
Delta R.T. -0.000 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

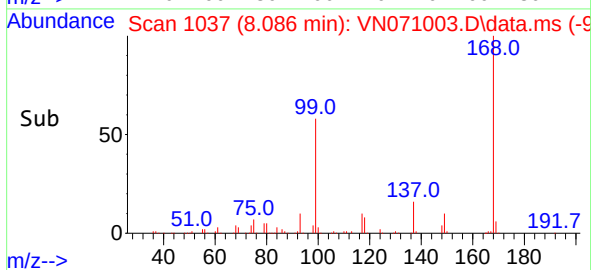
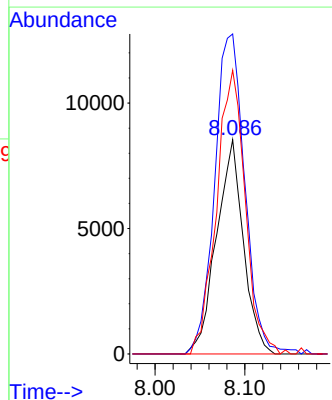
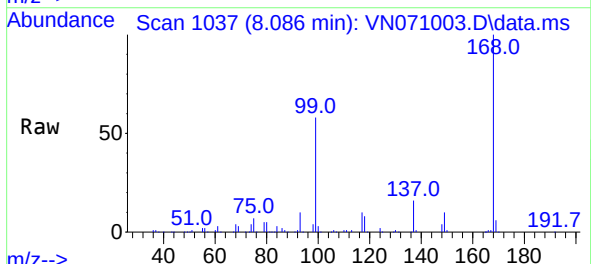
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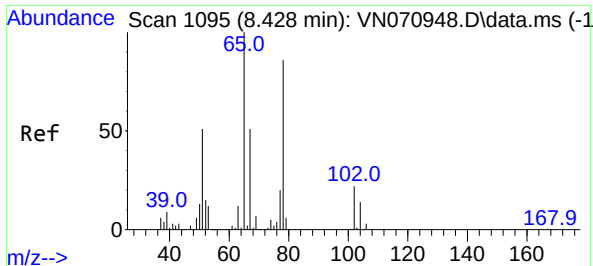
Tgt Ion:	96	Resp:	2648
Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	275.0
98	72.1	0.0	129.6



#31
Cyclohexane
Concen: 1.061 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

Tgt Ion:	56	Resp:	17793
Ion	Ratio	Lower	Upper
56	100		
69	149.4	27.1	40.7#
84	132.4	73.4	110.0#

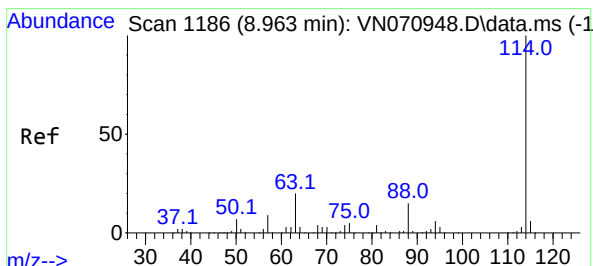
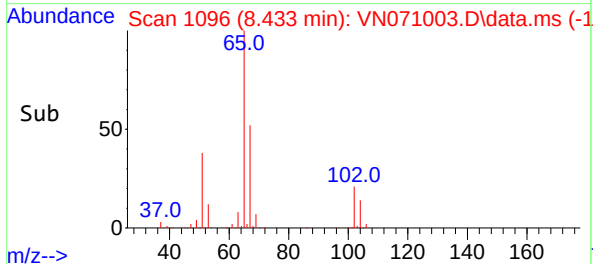
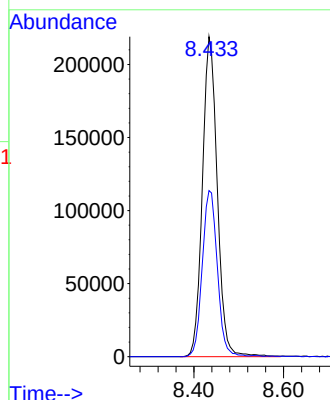
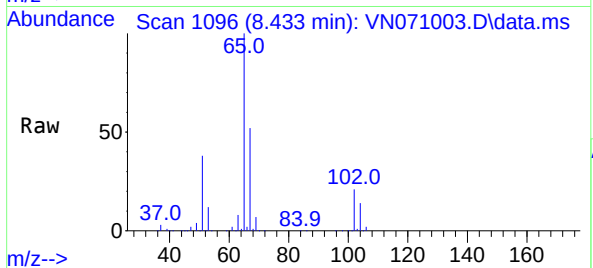




#33
1,2-Dichloroethane-d4
Concen: 51.948 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

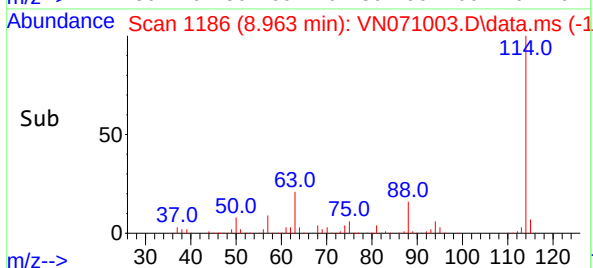
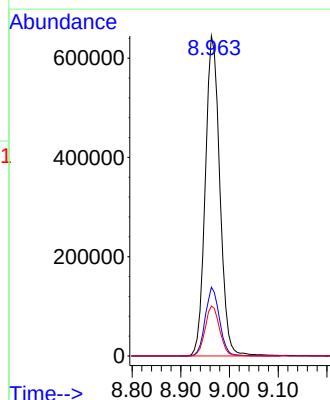
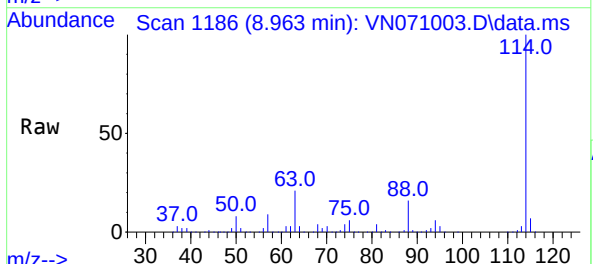
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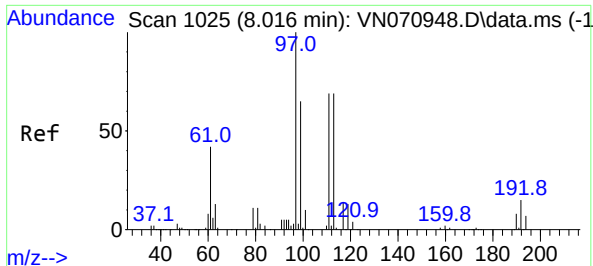
Tgt Ion: 65 Resp: 503620
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

Tgt Ion:114 Resp: 1335115
Ion Ratio Lower Upper
114 100
63 21.5 0.0 37.8
88 15.6 0.0 27.4

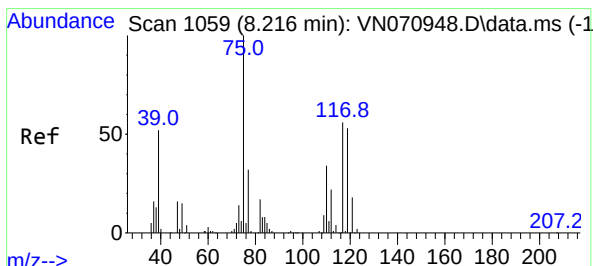
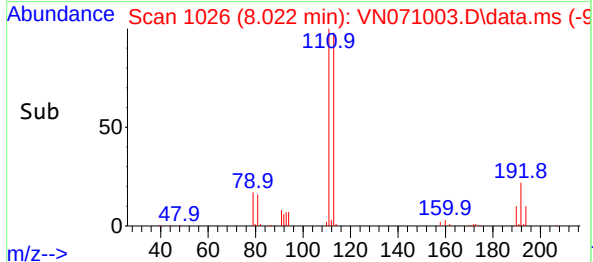
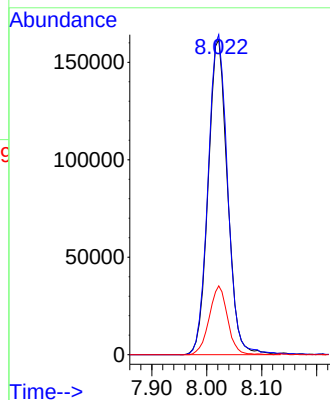
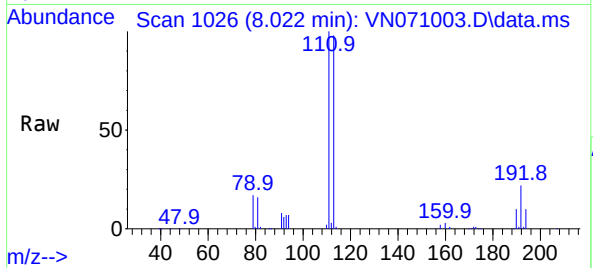




#35
Dibromofluoromethane
Concen: 49.640 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

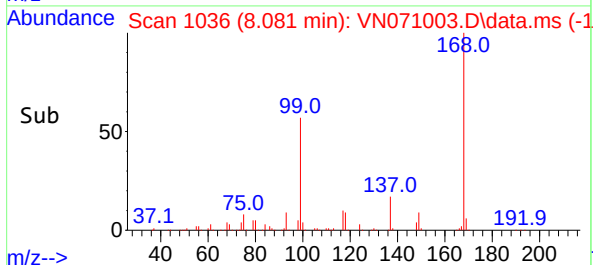
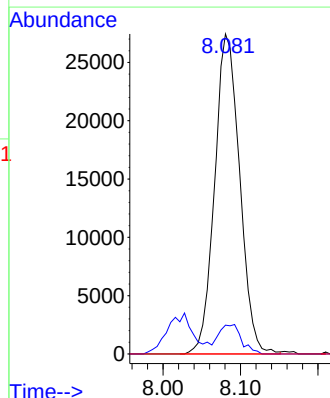
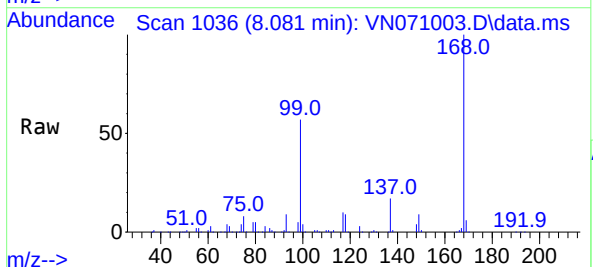
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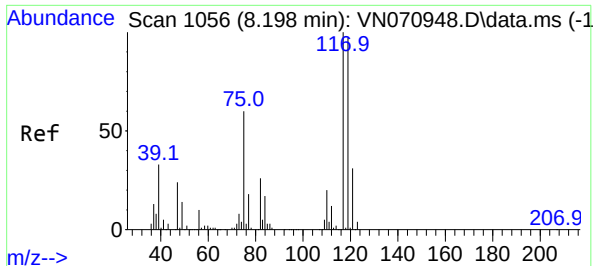
Tgt Ion:113 Resp: 394206
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.738 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

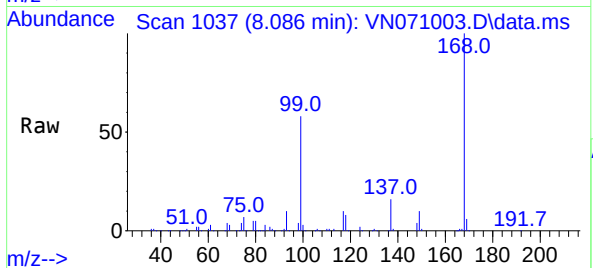
Tgt Ion: 75 Resp: 61650
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#



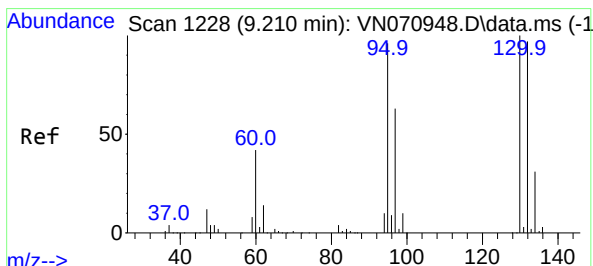
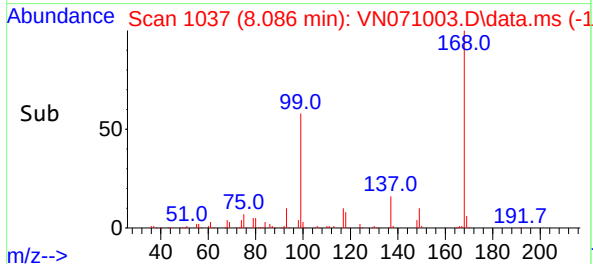
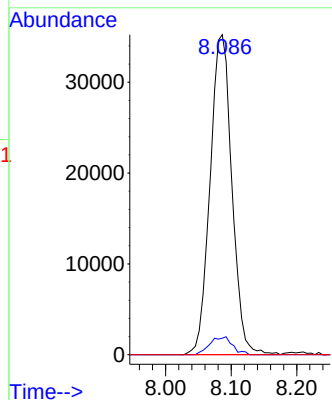


#38
Carbon Tetrachloride
Concen: 6.349 ug/l
RT: 8.086 min Scan# 1056
Delta R.T. -0.112 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20220215

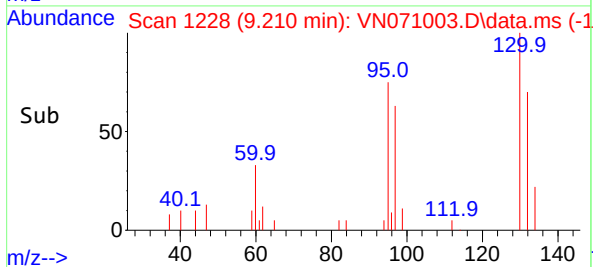
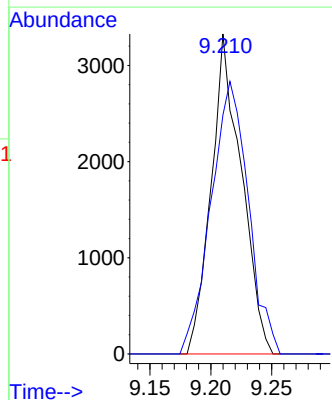
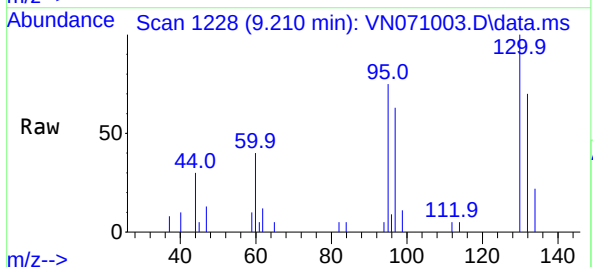


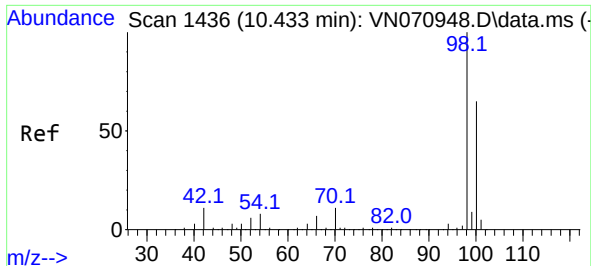
Tgt Ion:117 Resp: 81385
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.567 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

Tgt Ion:130 Resp: 5744
Ion Ratio Lower Upper
130 100
95 74.7 0.0 191.2

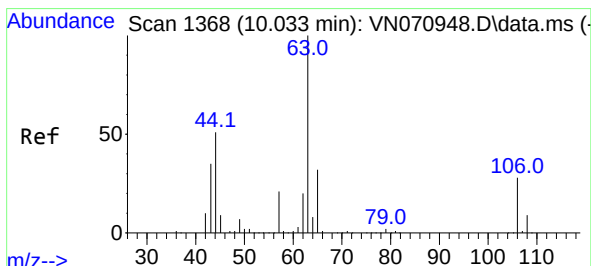
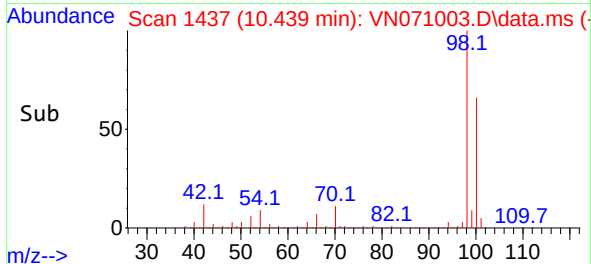
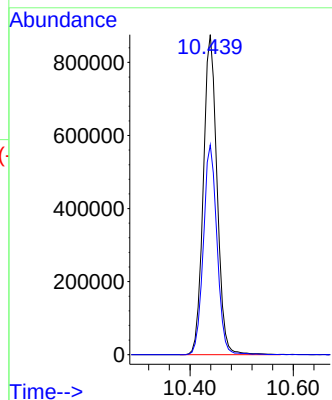
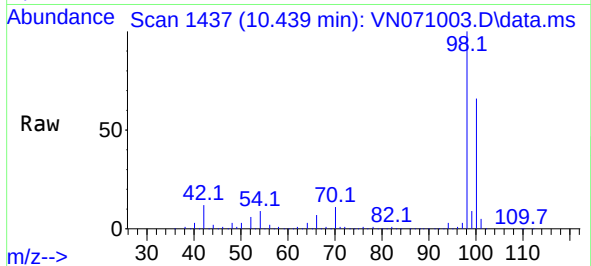




#50
Toluene-d8
Concen: 50.481 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

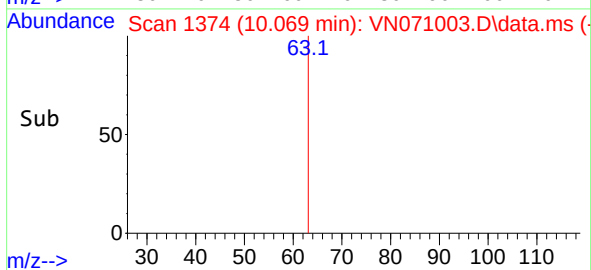
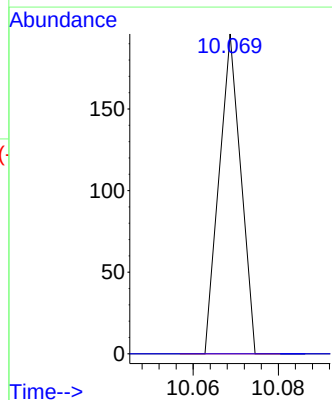
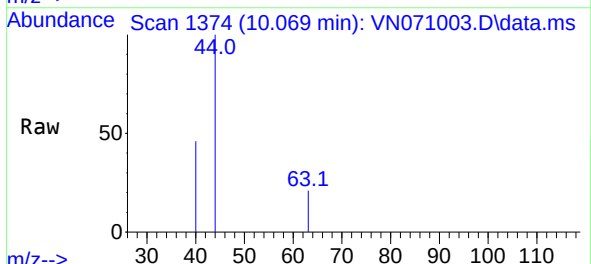
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20220215

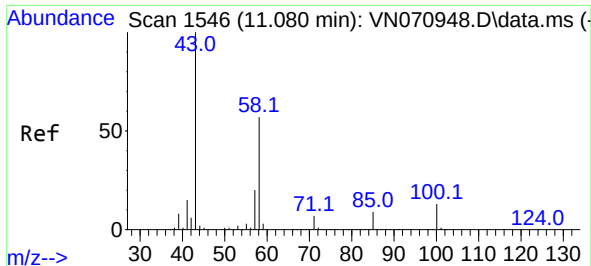
Tgt Ion: 98 Resp: 1609913
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6



#58
2-Chloroethyl Vinyl ether
Concen: 31.820 ug/l
RT: 10.069 min Scan# 1374
Delta R.T. 0.036 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

Tgt Ion: 63 Resp: 69
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#





#59

2-Hexanone

Concen: 0.340 ug/l

RT: 11.092 min Scan# 11092

Delta R.T. 0.012 min

Lab File: VN071003.D

Acq: 18 Feb 2022 16:14

Instrument :

MSVOA_N

ClientSampleId :

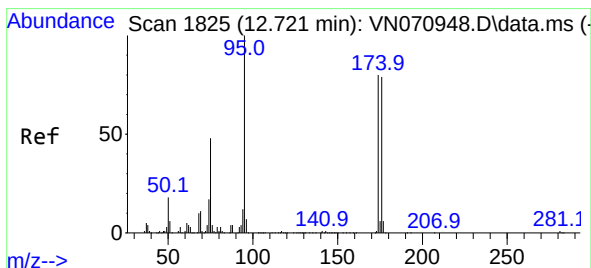
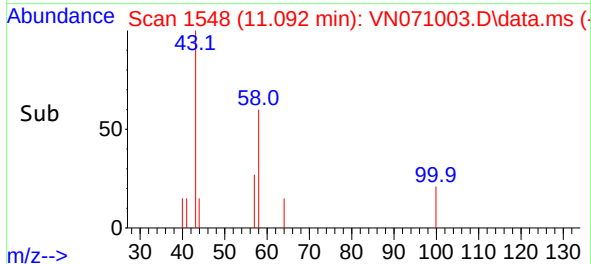
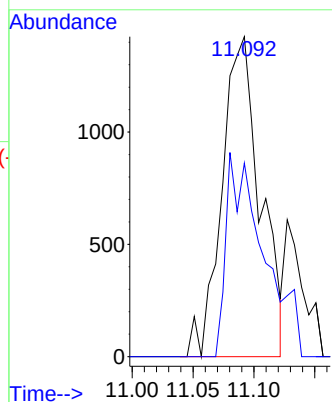
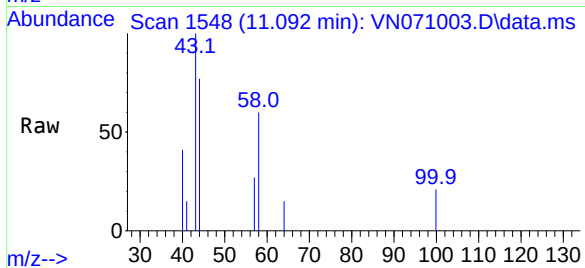
DUP01-20220215

Tgt Ion: 43 Resp: 3125

Ion Ratio Lower Upper

43 100

58 61.9 26.9 80.7



#62

4-Bromofluorobenzene

Concen: 44.908 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.006 min

Lab File: VN071003.D

Acq: 18 Feb 2022 16:14

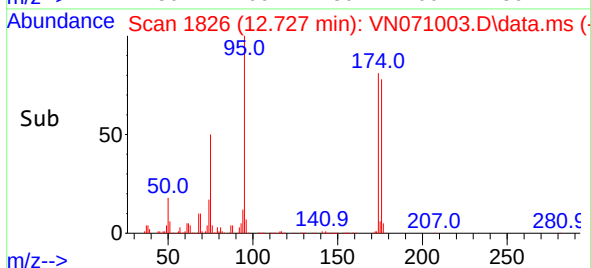
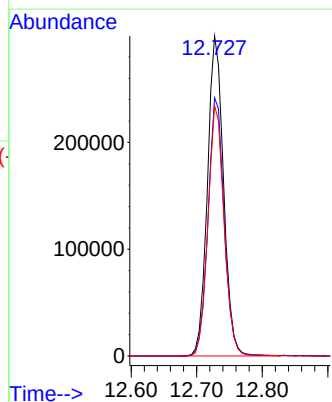
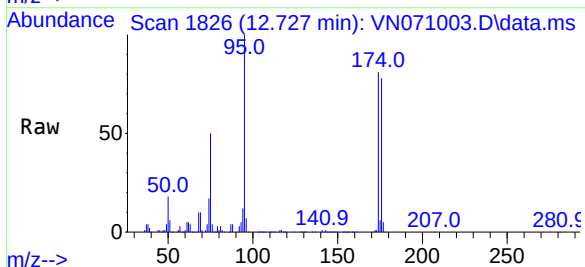
Tgt Ion: 95 Resp: 511925

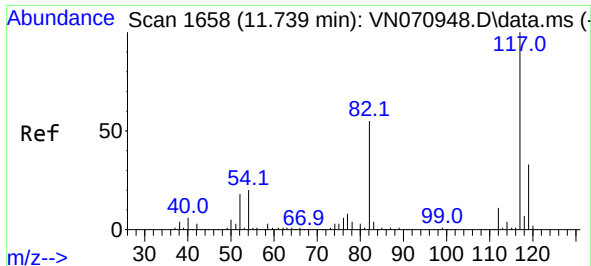
Ion Ratio Lower Upper

95 100

174 81.0 0.0 187.2

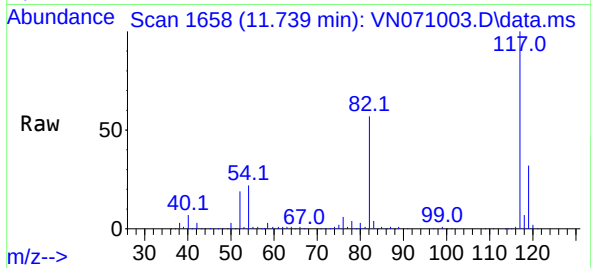
176 77.9 0.0 181.4



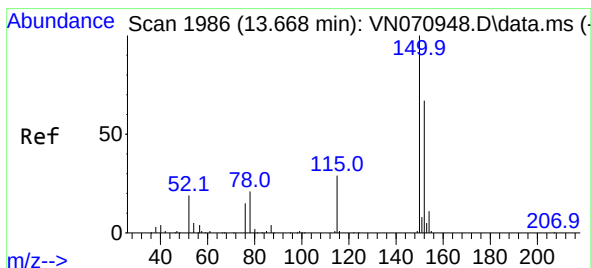
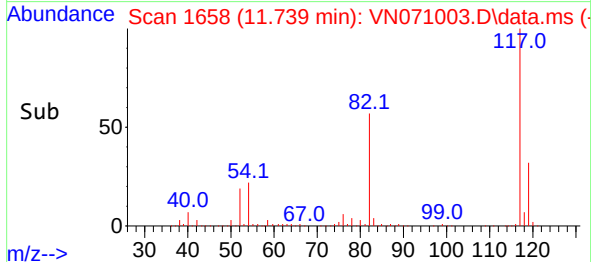
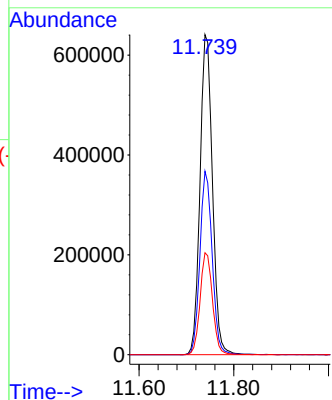


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20220215

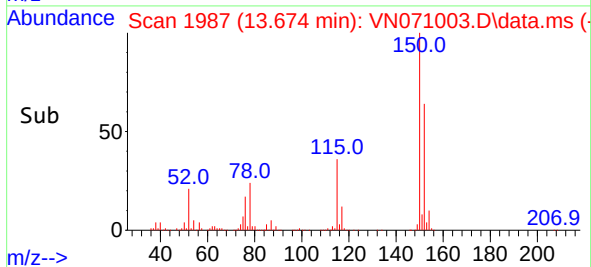
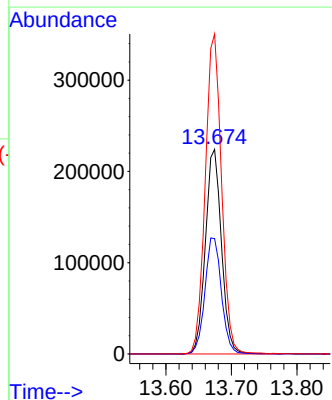
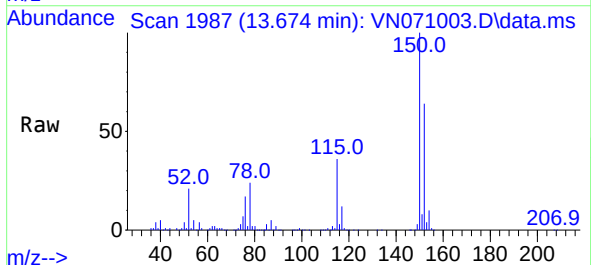


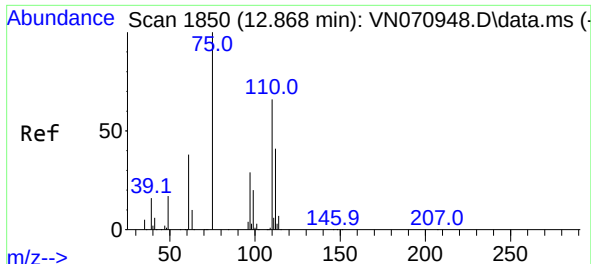
Tgt Ion:117 Resp: 1165209
Ion Ratio Lower Upper
117 100
82 57.3 42.4 63.6
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

Tgt Ion:152 Resp: 382586
Ion Ratio Lower Upper
152 100
115 58.4 27.5 82.5
150 158.0 0.0 344.4

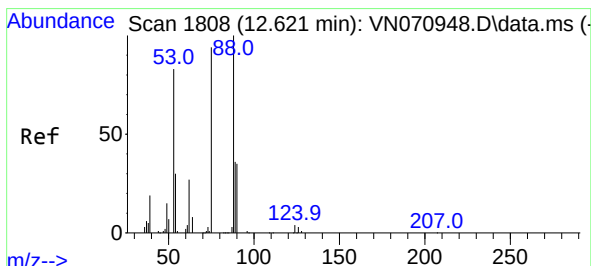
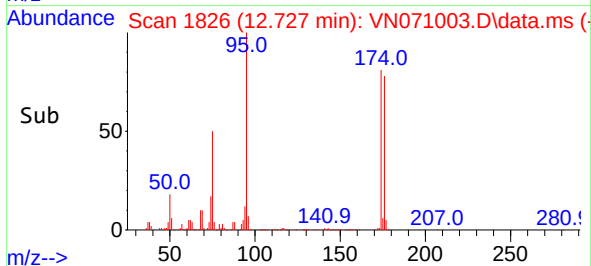
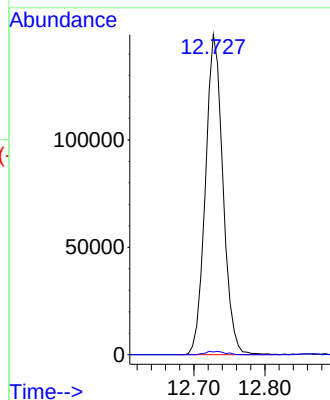
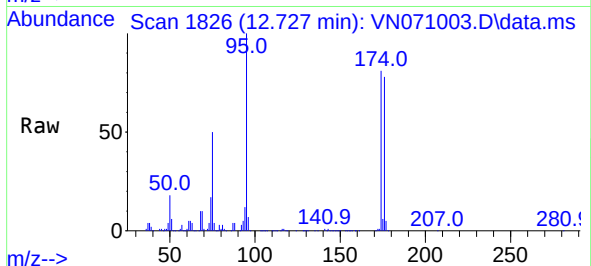




#76
1,2,3-Trichloropropane
Concen: 28.432 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

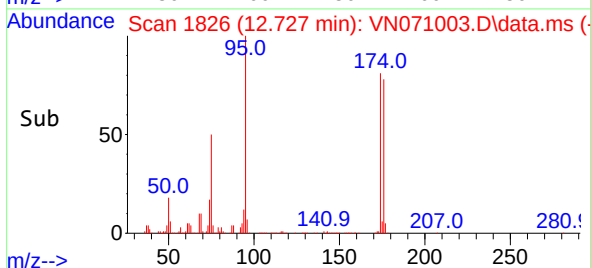
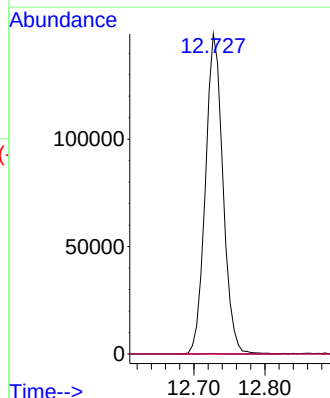
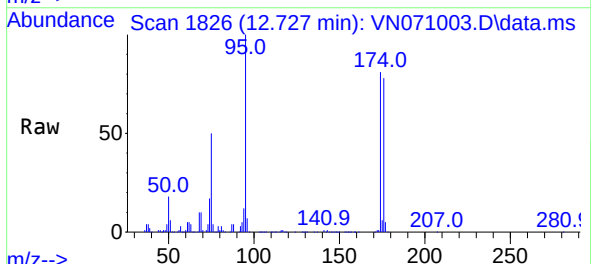
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20220215

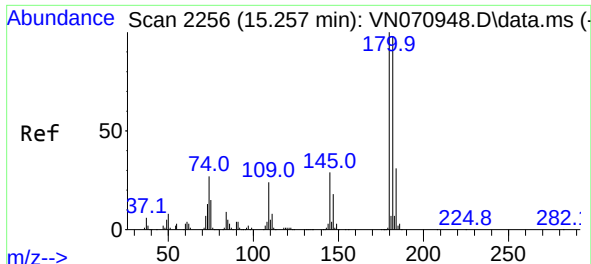
Tgt Ion: 75 Resp: 256120
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.134 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071003.D
Acq: 18 Feb 2022 16:14

Tgt Ion: 75 Resp: 256120
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: 2.251 ug/l

RT: 15.268 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN071003.D

Acq: 18 Feb 2022 16:14

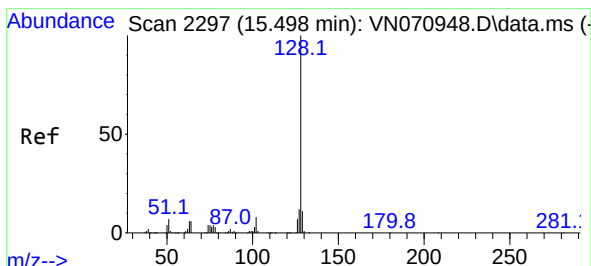
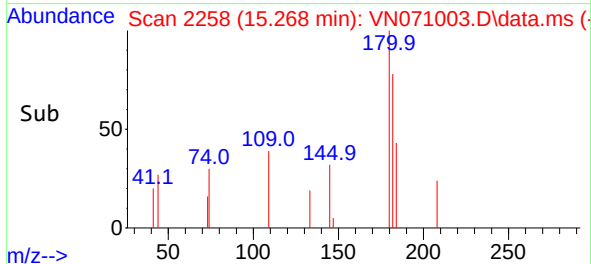
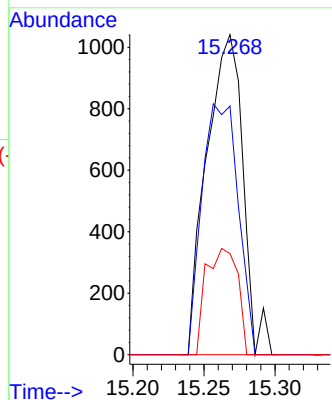
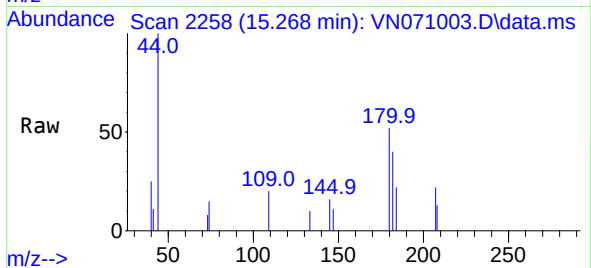
Instrument :

MSVOA_N

ClientSampleId :

DUP01-20220215

Tgt Ion:180	Resp:	1852
Ion Ratio	Lower	Upper
180	100	
182	78.1	48.3 144.9
145	28.8	14.5 43.5



#95

Naphthalene

Concen: 5.293 ug/l

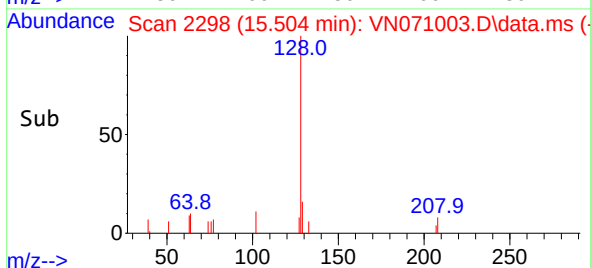
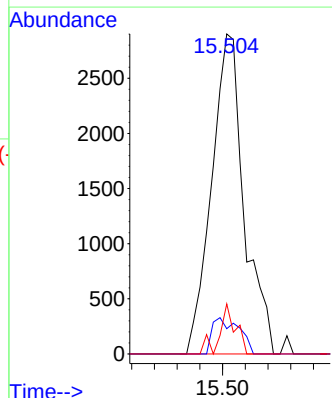
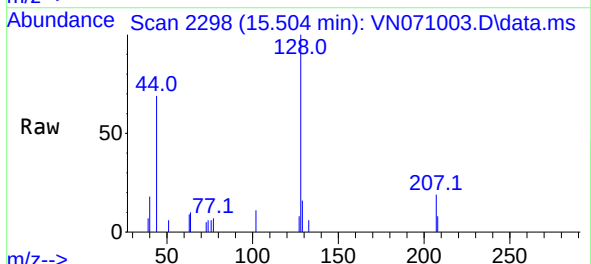
RT: 15.504 min Scan# 2298

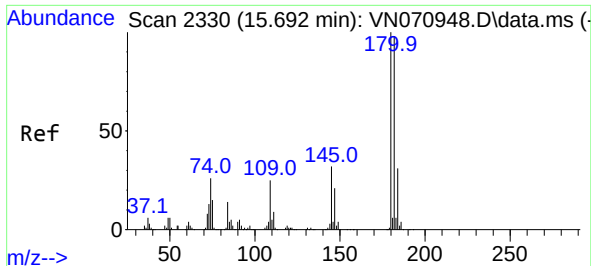
Delta R.T. 0.006 min

Lab File: VN071003.D

Acq: 18 Feb 2022 16:14

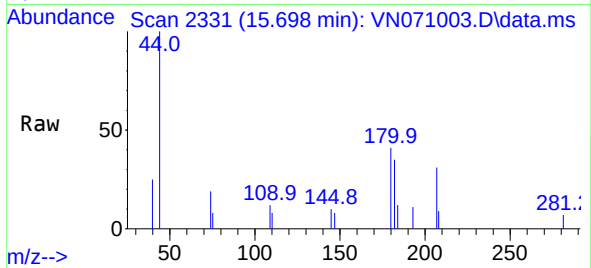
Tgt Ion:128	Resp:	5759
Ion Ratio	Lower	Upper
128	100	
127	9.3	10.5 15.7#
129	7.7	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.753 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071003.D
 Acq: 18 Feb 2022 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20220215



Tgt Ion:	180	Resp:	1622
Ion	Ratio	Lower	Upper
180	100		
182	116.0	47.4	142.2
145	30.5	15.0	45.1

