

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
 Data File : VN071890.D
 Acq On : 06 Apr 2022 19:32
 Operator : JC\MD
 Sample : N2272-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Apr 07 04:30:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

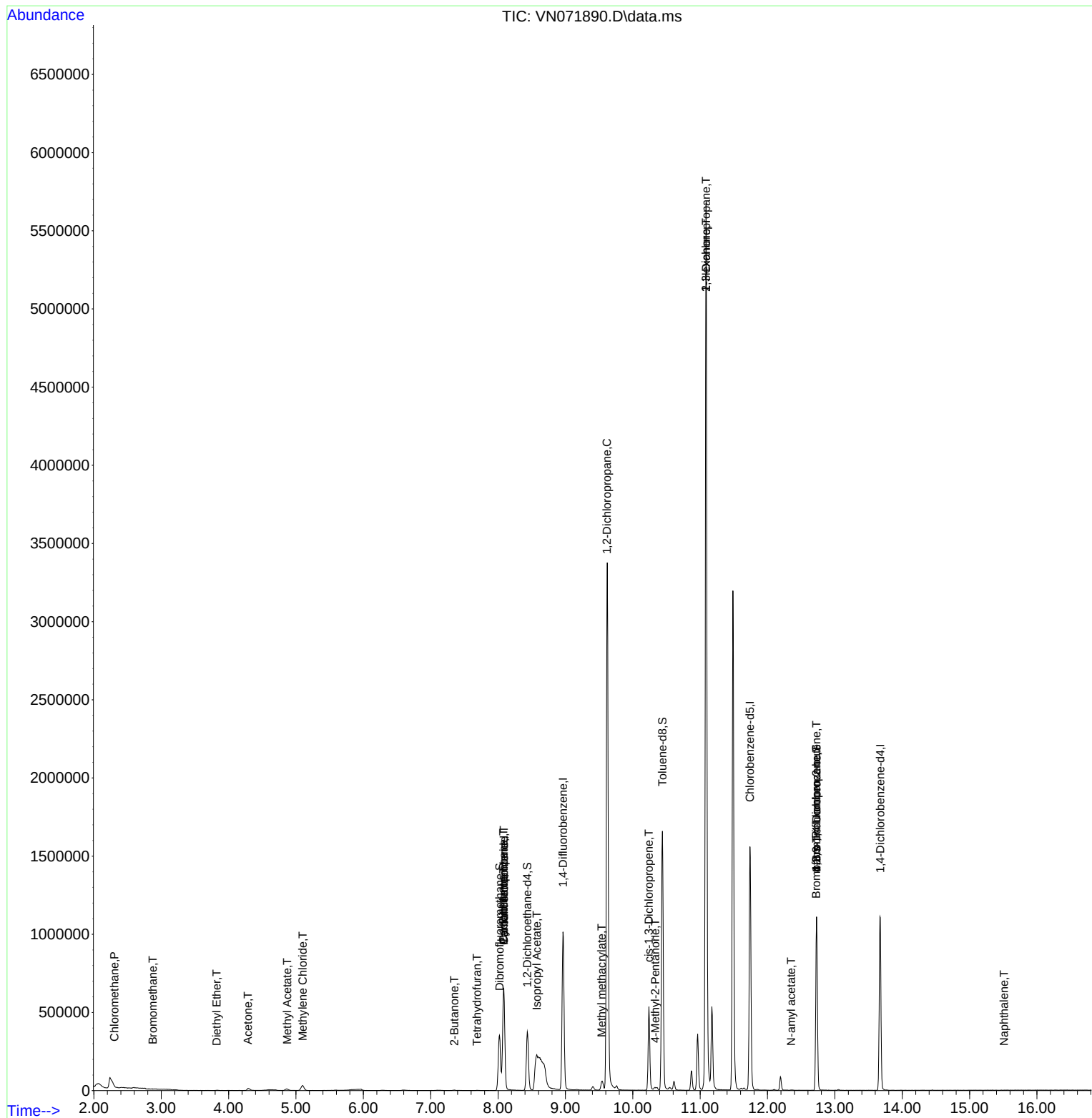
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	550561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	947629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	983341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	342291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	306285	48.730	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.460%
35) Dibromofluoromethane	8.022	113	268269	48.109	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.220%
50) Toluene-d8	10.439	98	1215746	53.296	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.600%
62) 4-Bromofluorobenzene	12.727	95	395331	53.586	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1870	0.337	ug/l #	87
5) Bromomethane	2.875	94	919	0.232	ug/l #	52
8) Diethyl Ether	3.822	74	1041	0.318	ug/l #	29
16) Acetone	4.287	43	23942	8.913	ug/l	94
18) Methyl Acetate	4.869	43	23021	2.008	ug/l	99
20) Methylene Chloride	5.098	84	27306	4.823	ug/l #	90
25) 2-Butanone	7.351	43	5293	1.367	ug/l	99
29) Tetrahydrofuran	7.686	42	971	0.387	ug/l #	72
31) Cyclohexane	8.081	56	9010	1.054	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	37323	4.793	ug/l #	49
38) Carbon Tetrachloride	8.086	117	47588	6.236	ug/l #	17
43) Isopropyl Acetate	8.575	43	242246	17.088	ug/l #	67
45) 1,2-Dichloropropane	9.616	63	4570	0.744	ug/l #	44
48) Methyl methacrylate	9.539	41	15344	2.609	ug/l #	10
49) 1,4-Dioxane	9.622	88	612	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.333	43	11516	1.413	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	105552	11.098	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	66503	6.215	ug/l #	42
59) 2-Hexanone	11.086	43	793636	138.299	ug/l #	49
71) Bromoform	12.721	173	1794	0.332	ug/l #	28
74) N-amyl acetate	12.351	43	2810	0.340	ug/l #	39
76) 1,2,3-Trichloropropane	12.727	75	189955	23.956	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	189955	74.238	ug/l #	10
95) Naphthalene	15.509	128	250	3.818	ug/l #	69

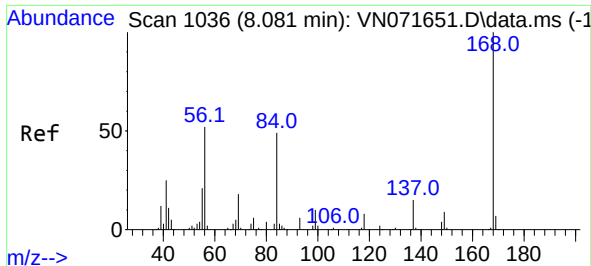
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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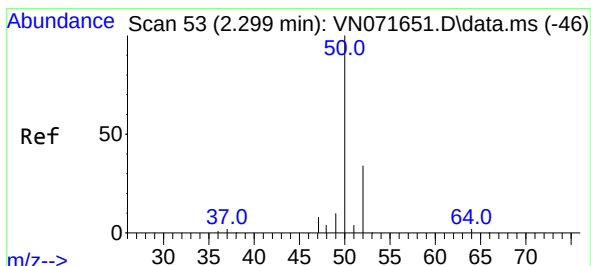
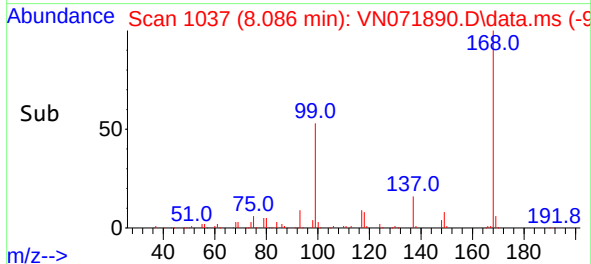
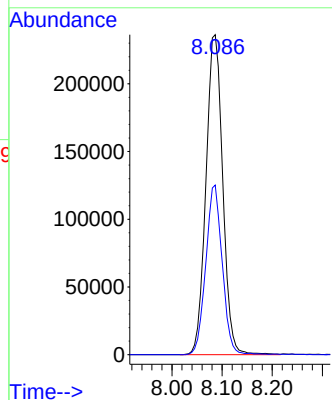
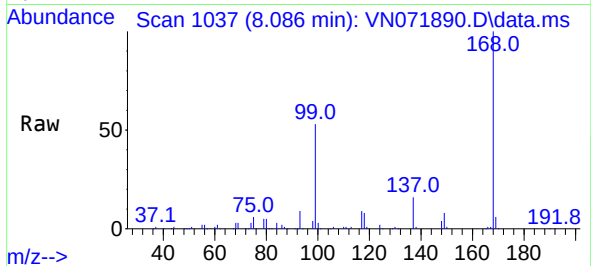




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

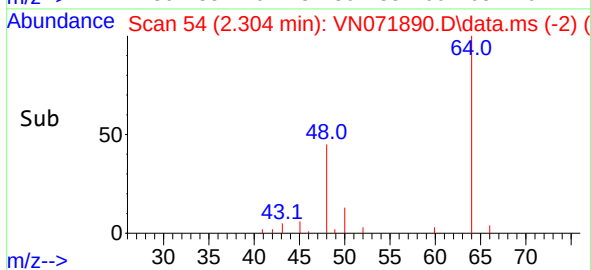
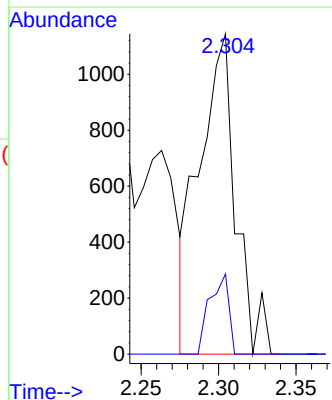
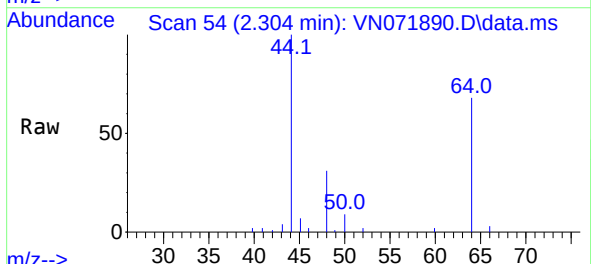
Instrument :
MSVOA_N
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TP-3

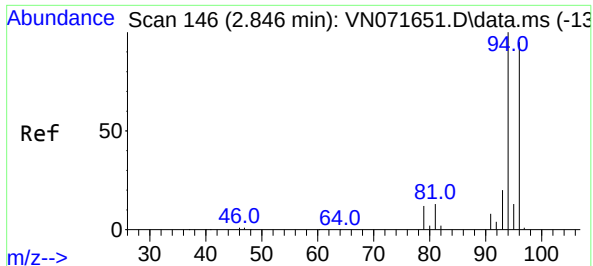
Tgt Ion:168 Resp: 550561
Ion Ratio Lower Upper
168 100
99 53.0 42.3 63.5



#3
Chloromethane
Concen: 0.337 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Tgt Ion: 50 Resp: 1870
Ion Ratio Lower Upper
50 100
52 25.0 25.7 38.5#

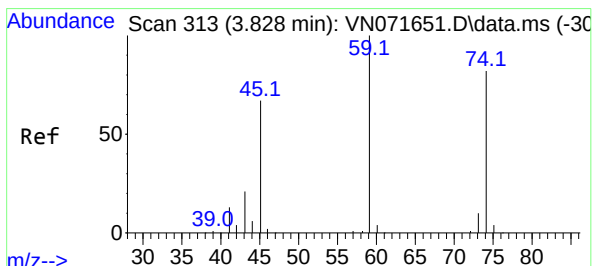
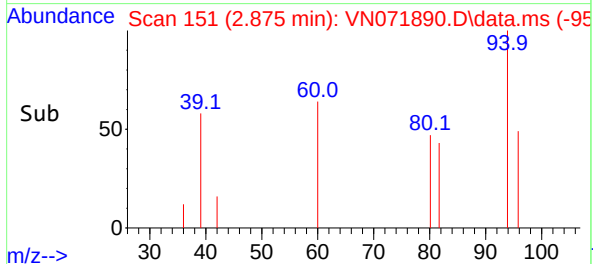
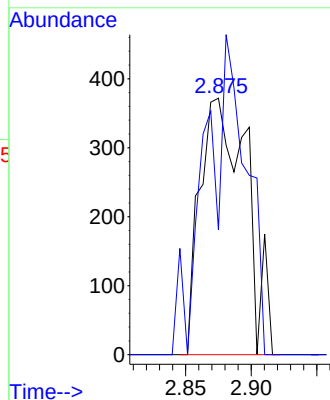
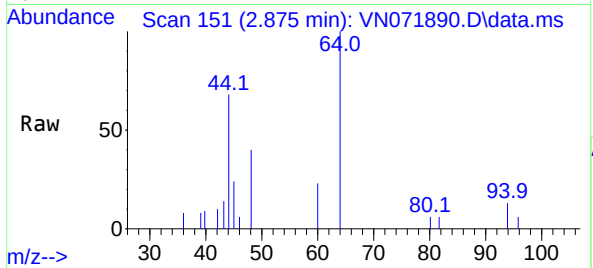




#5
Bromomethane
Concen: 0.232 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

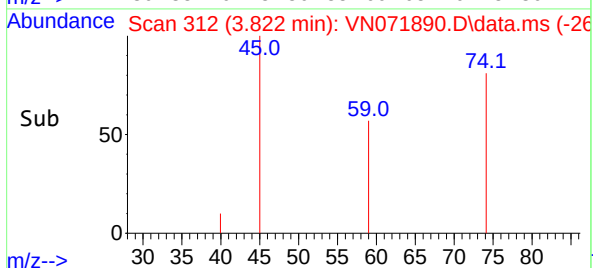
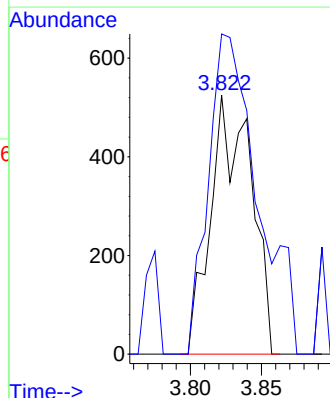
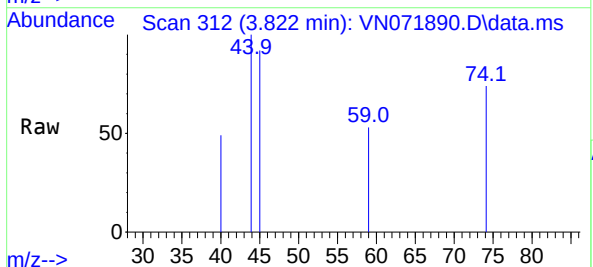
Instrument :
MSVOA_N
ClientSampleId :
TP-3

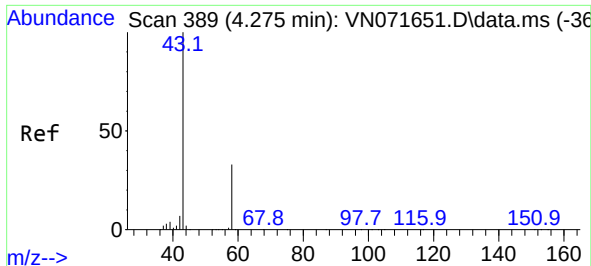
Tgt Ion: 94 Resp: 919
Ion Ratio Lower Upper
94 100
96 48.7 76.0 114.0#



#8
Diethyl Ether
Concen: 0.318 ug/l
RT: 3.822 min Scan# 312
Delta R.T. -0.006 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Tgt Ion: 74 Resp: 1041
Ion Ratio Lower Upper
74 100
45 150.7 42.9 128.5#

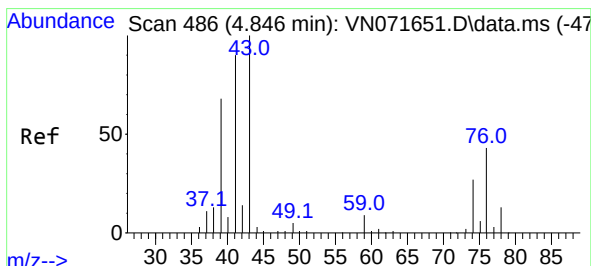
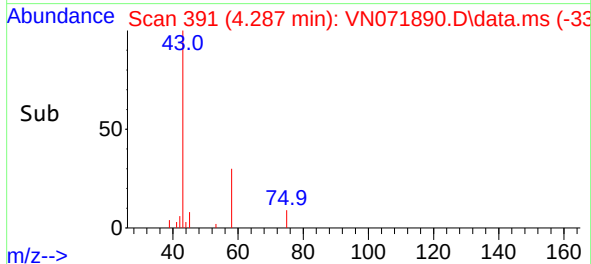
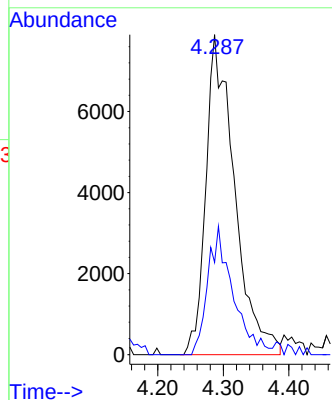
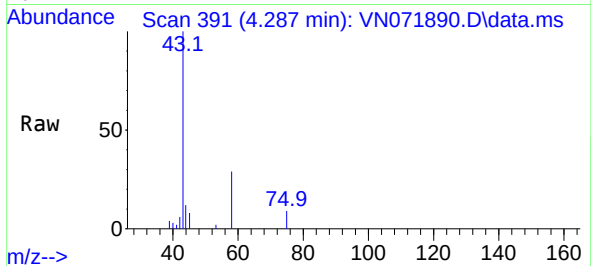




#16
Acetone
Concen: 8.913 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

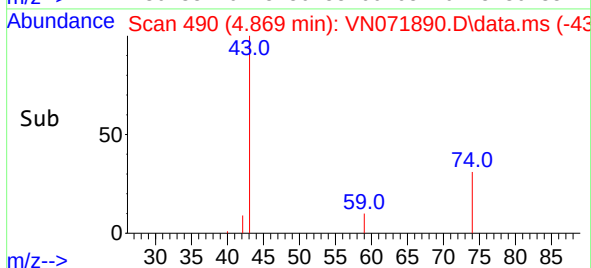
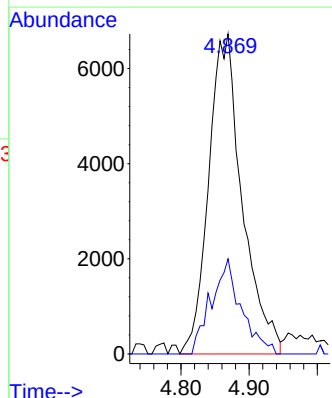
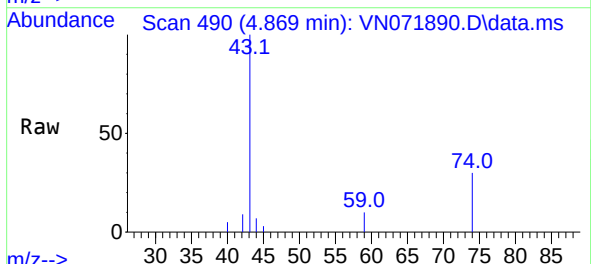
Instrument :
MSVOA_N
ClientSampleId :
TP-3

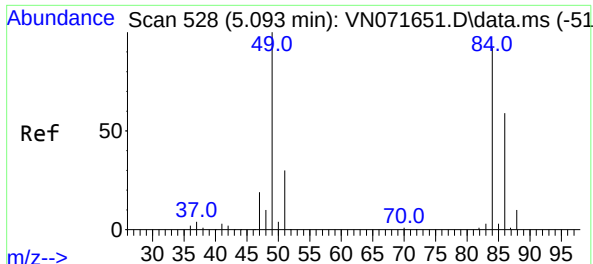
Tgt Ion: 43 Resp: 23942
Ion Ratio Lower Upper
43 100
58 28.9 26.0 39.0



#18
Methyl Acetate
Concen: 2.008 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Tgt Ion: 43 Resp: 23021
Ion Ratio Lower Upper
43 100
74 26.5 21.6 32.4

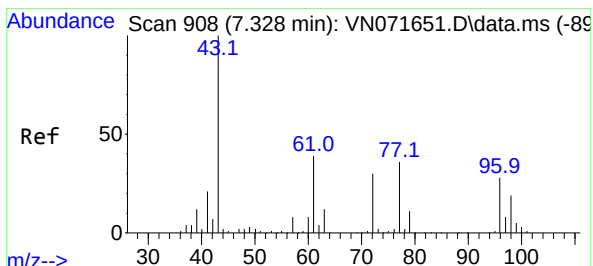
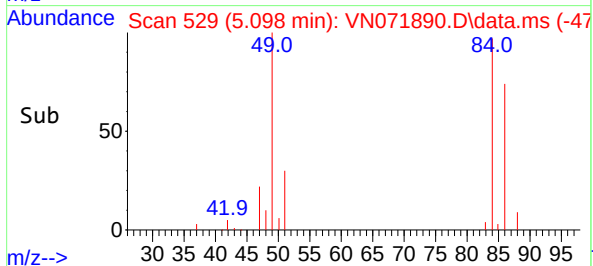
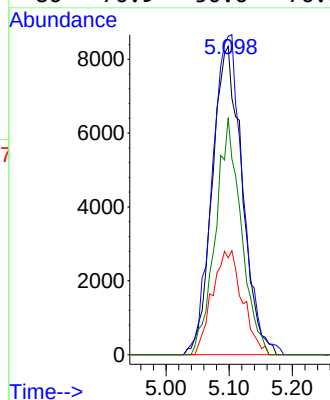
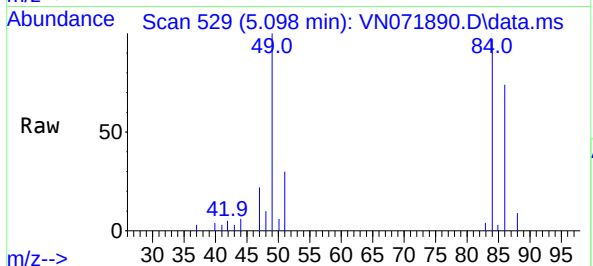




#20
Methylene Chloride
Concen: 4.823 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

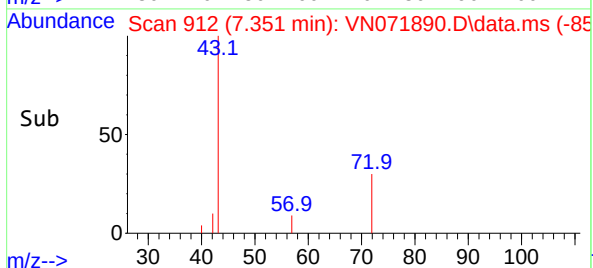
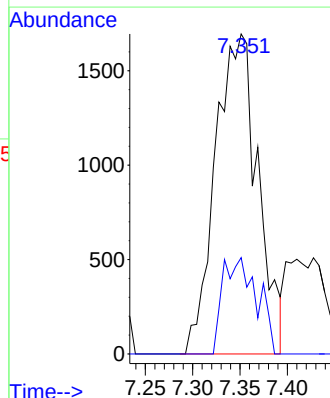
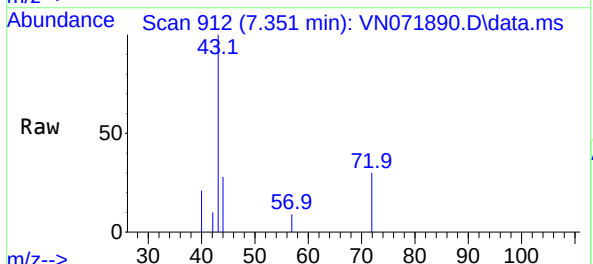
Instrument :
MSVOA_N
ClientSampleId :
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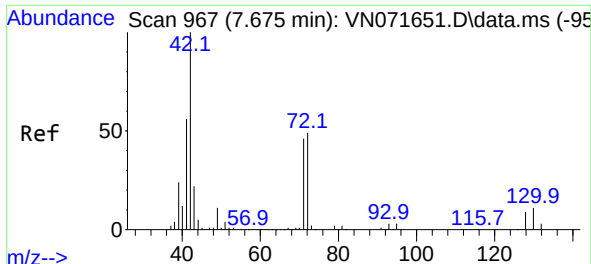
Tgt Ion:	84	Resp:	27306
Ion	Ratio	Lower	Upper
84	100		
49	103.3	88.3	132.5
51	31.4	28.2	42.2
86	76.9	50.6	76.0



#25
2-Butanone
Concen: 1.367 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Tgt Ion:	43	Resp:	5293
Ion	Ratio	Lower	Upper
43	100		
72	30.1	23.7	35.5

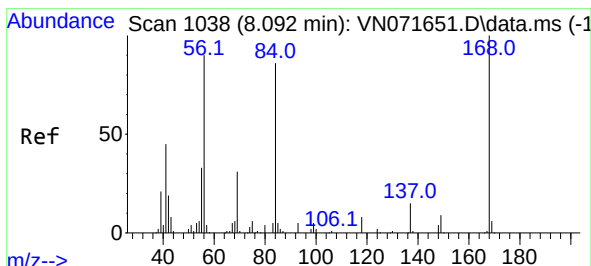
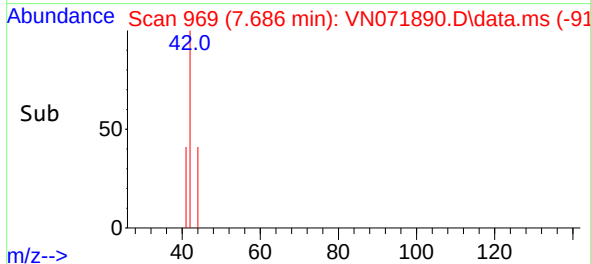
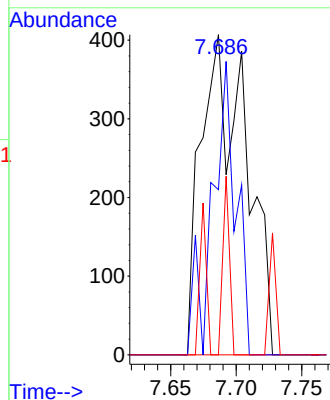
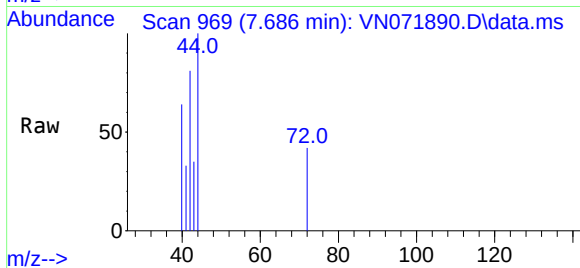




#29
Tetrahydrofuran
Concen: 0.387 ug/l
RT: 7.686 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

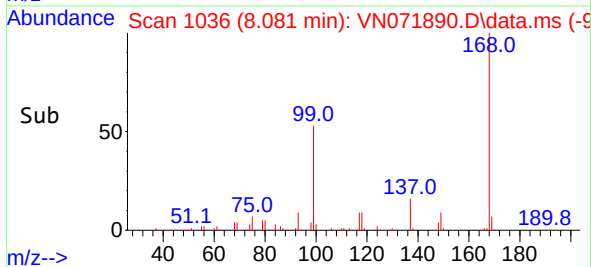
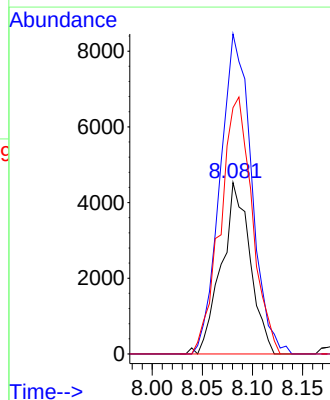
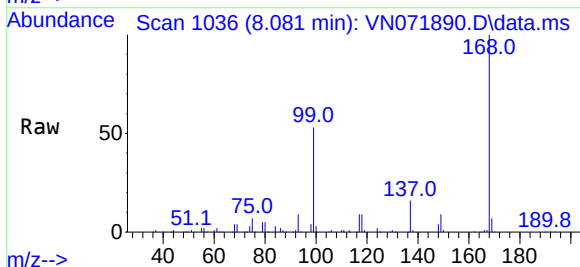
Instrument :
MSVOA_N
ClientSampleId :
TP-3

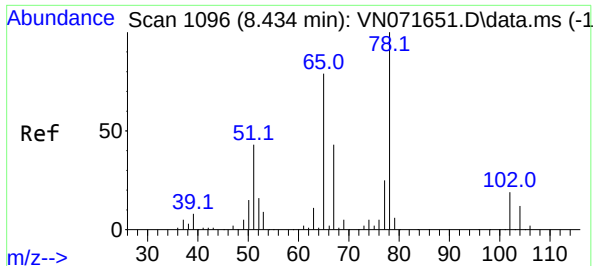
Tgt Ion: 42 Resp: 971
Ion Ratio Lower Upper
42 100
72 48.2 39.7 59.5
71 8.2 36.6 55.0#



#31
Cyclohexane
Concen: 1.054 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Tgt Ion: 56 Resp: 9010
Ion Ratio Lower Upper
56 100
69 186.7 27.8 41.8#
84 143.6 76.9 115.3#

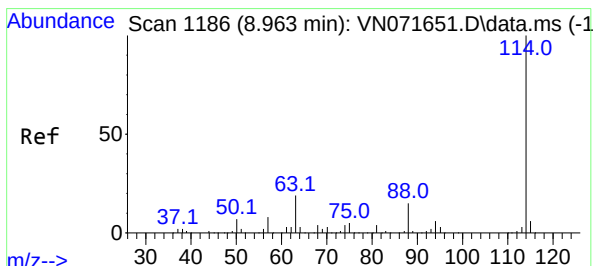
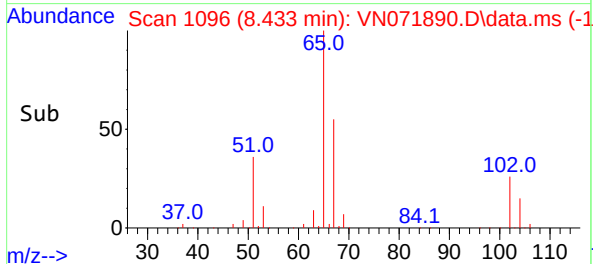
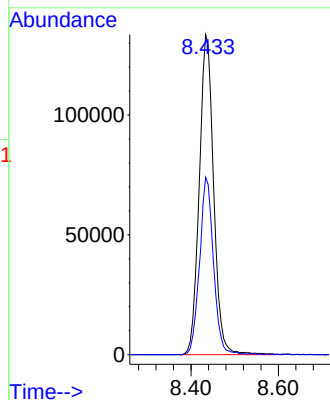
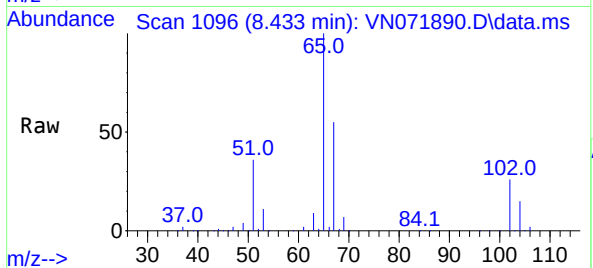




#33
1,2-Dichloroethane-d4
Concen: 48.730 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

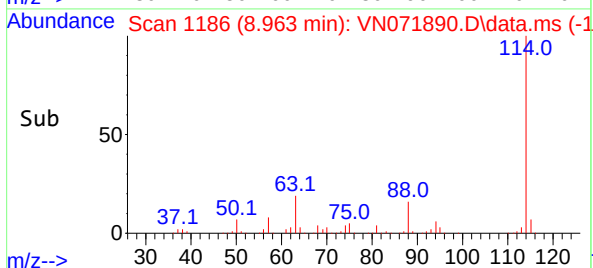
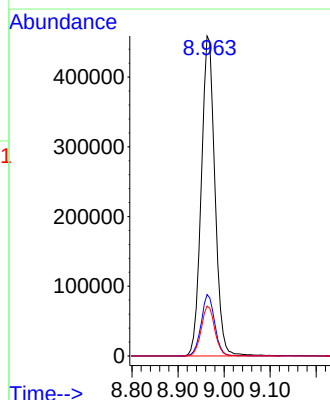
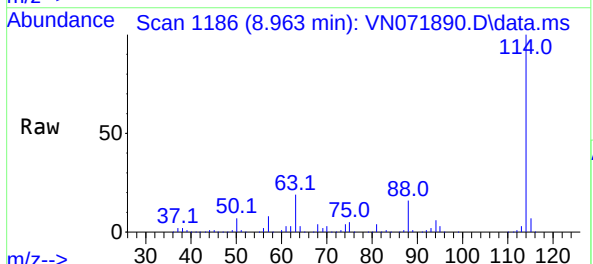
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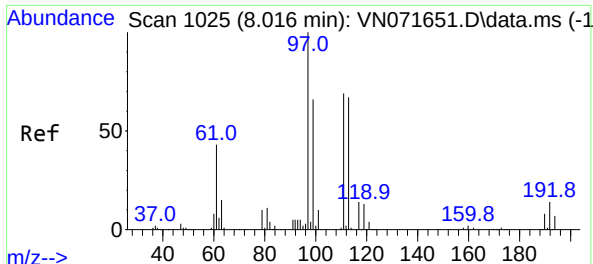
Tgt Ion: 65 Resp: 306285
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

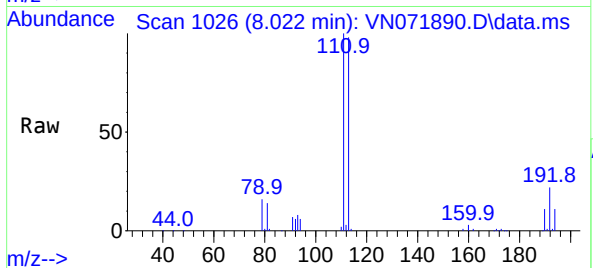
Tgt Ion: 114 Resp: 947629
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.0
88 15.6 0.0 32.6



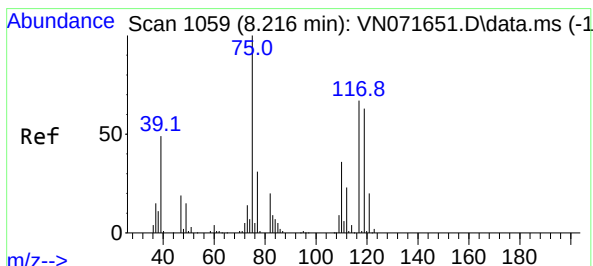
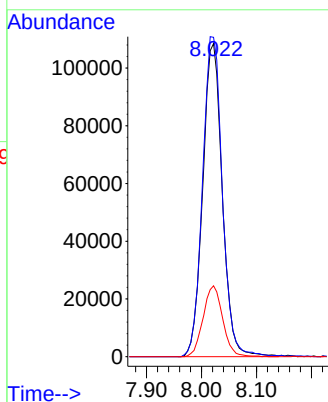
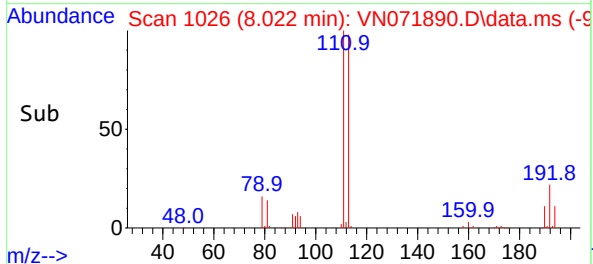


#35
Dibromofluoromethane
Concen: 48.109 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

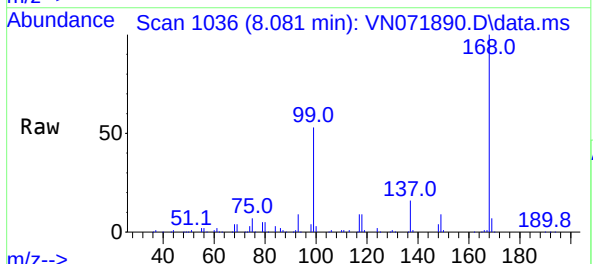
Instrument :
MSVOA_N
ClientSampleId :
TP-3



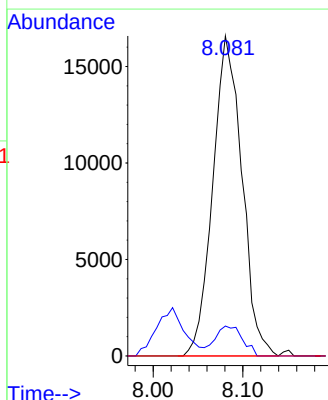
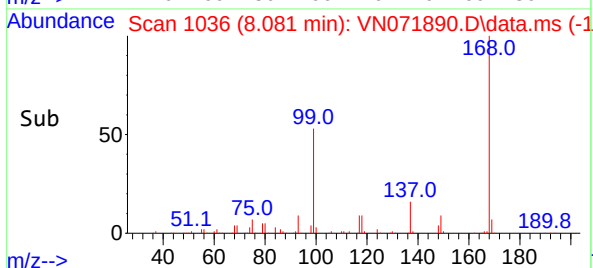
Tgt Ion:113 Resp: 268269
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 22.6 17.0 25.6

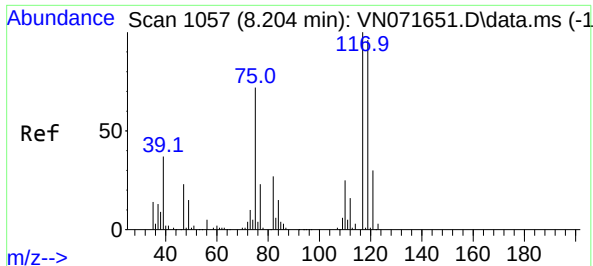


#36
1,1-Dichloropropene
Concen: 4.793 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32



Tgt Ion: 75 Resp: 37323
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 25.1 37.7#

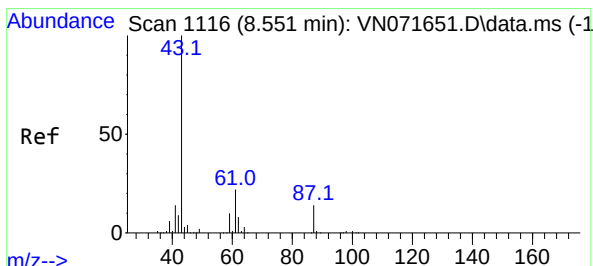
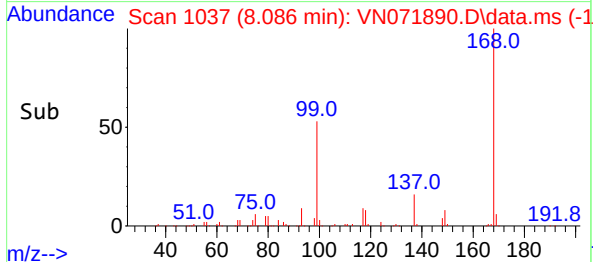
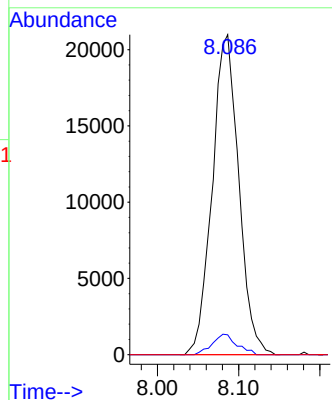
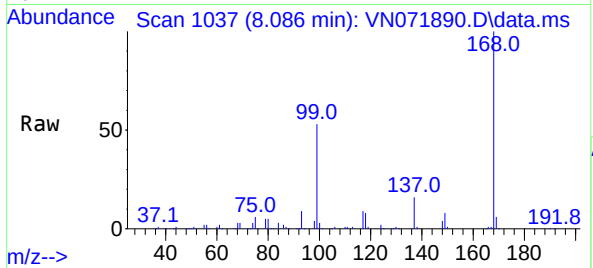




#38
Carbon Tetrachloride
Concen: 6.236 ug/l
RT: 8.086 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

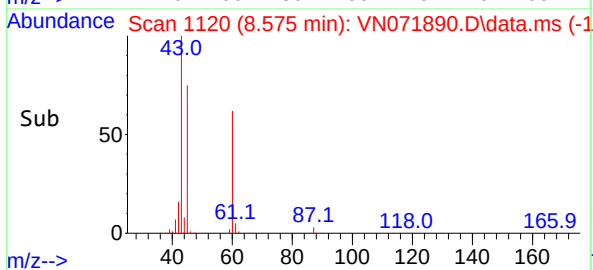
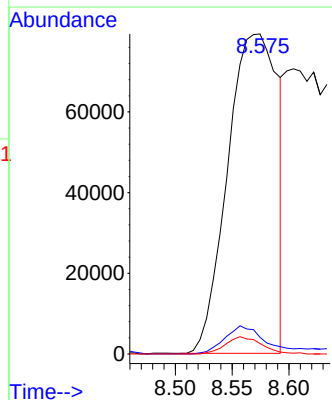
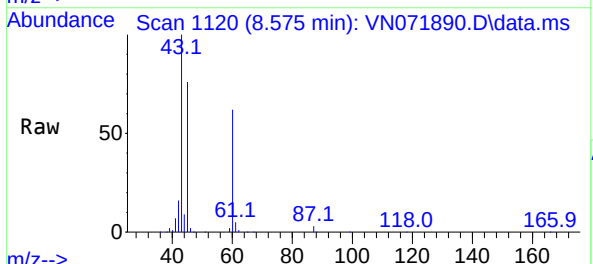
Instrument :
MSVOA_N
ClientSampleId :
TP-3

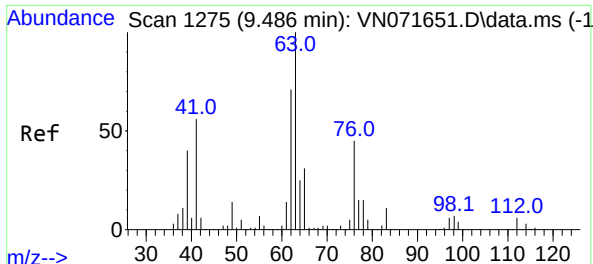
Tgt Ion:117 Resp: 47588
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 17.088 ug/l
RT: 8.575 min Scan# 1120
Delta R.T. 0.024 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Tgt Ion: 43 Resp: 242246
Ion Ratio Lower Upper
43 100
61 8.3 21.9 32.9#
87 3.9 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.744 ug/l

RT: 9.616 min Scan# 1

Delta R.T. 0.130 min

Lab File: VN071890.D

Acq: 06 Apr 2022 19:32

Instrument :

MSVOA_N

ClientSampleId :

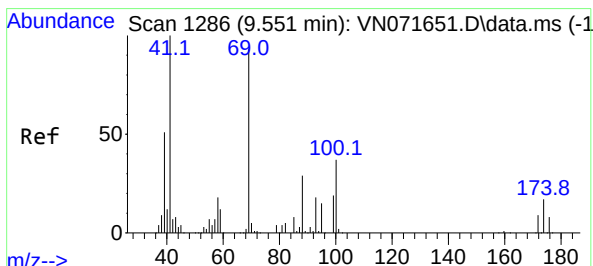
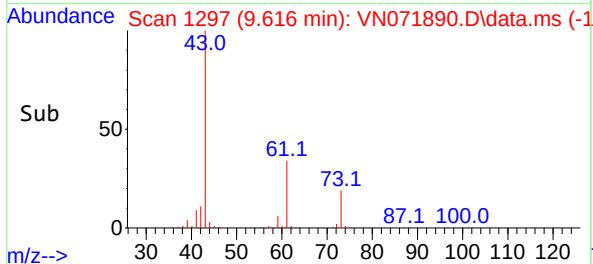
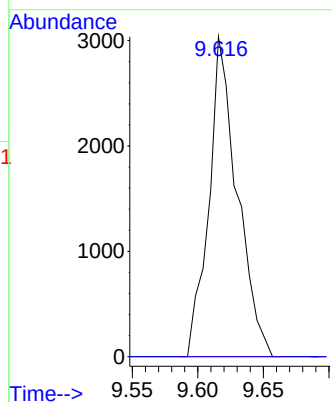
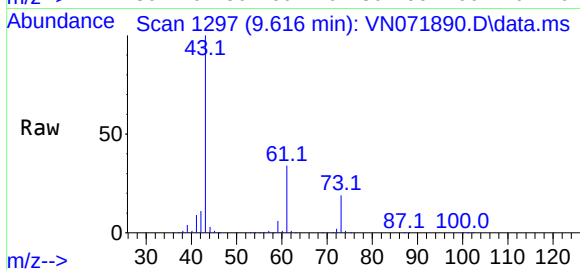
TP-3

Tgt Ion: 63 Resp: 4570

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.609 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN071890.D

Acq: 06 Apr 2022 19:32

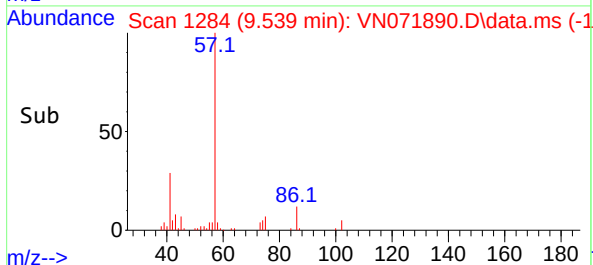
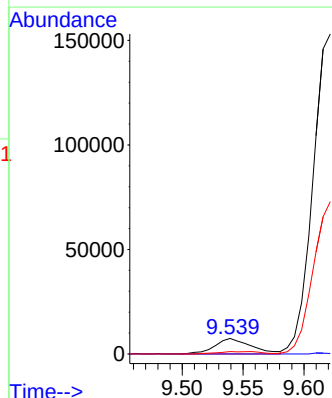
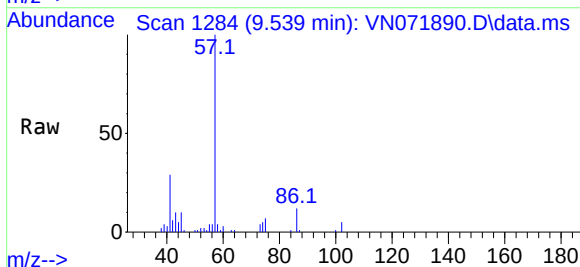
Tgt Ion: 41 Resp: 15344

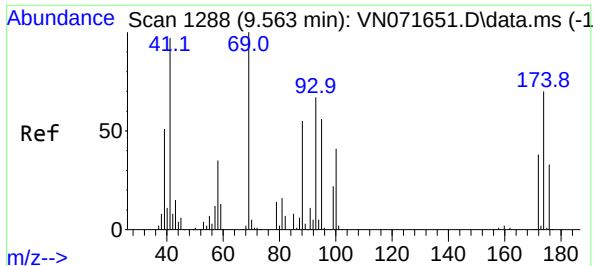
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#

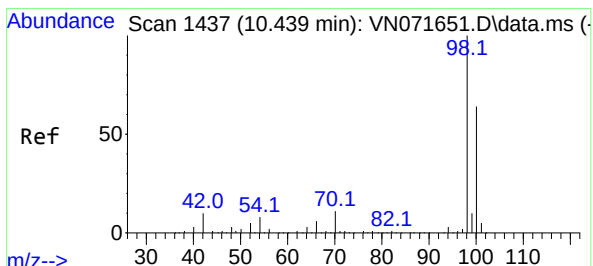
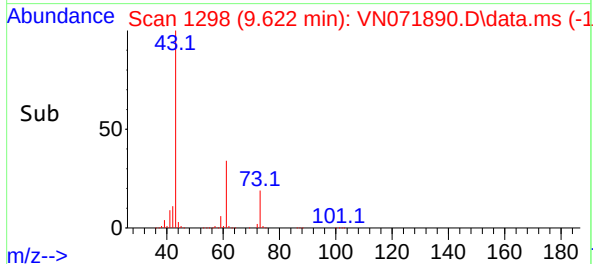
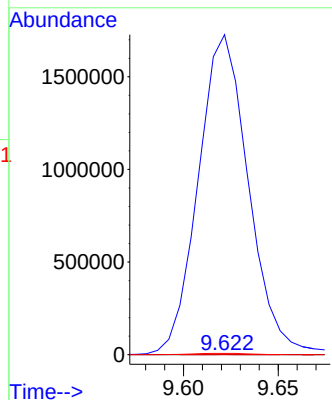
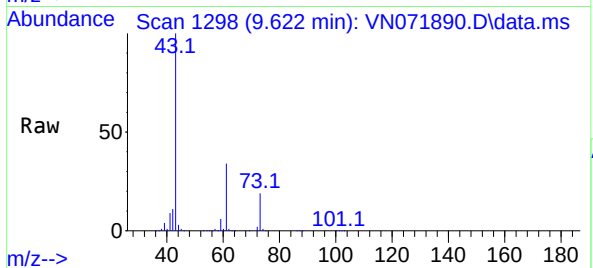




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

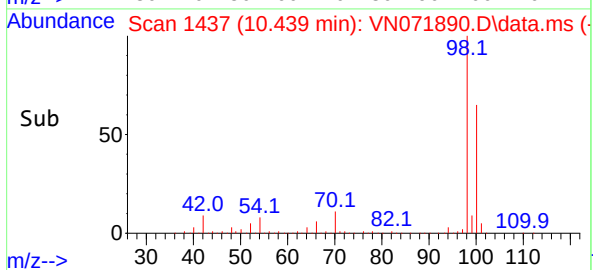
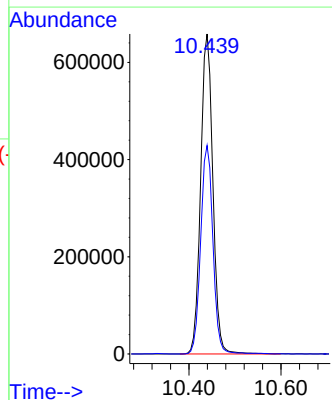
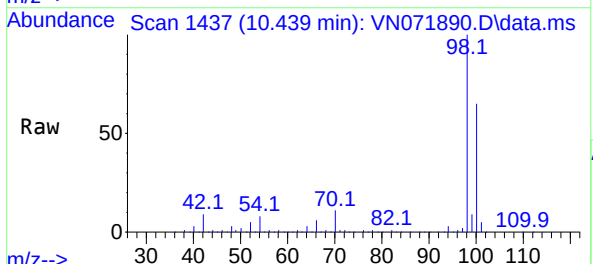
Instrument :
MSVOA_N
ClientSampleId :
TP-3

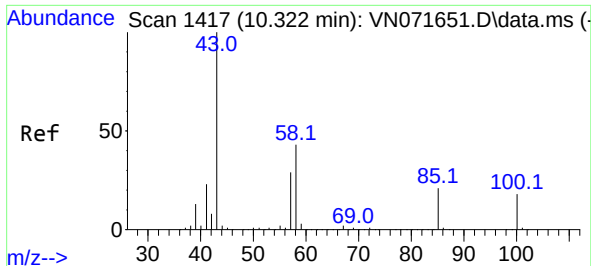
Tgt Ion: 88 Resp: 612
Ion Ratio Lower Upper
88 100
43 528921.7 20.2 30.4#
58 2607.2 54.2 81.4#



#50
Toluene-d8
Concen: 53.296 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Tgt Ion: 98 Resp: 1215746
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.413 ug/l

RT: 10.333 min Scan# 1417

Delta R.T. 0.011 min

Lab File: VN071890.D

Acq: 06 Apr 2022 19:32

Instrument :

MSVOA_N

ClientSampleId :

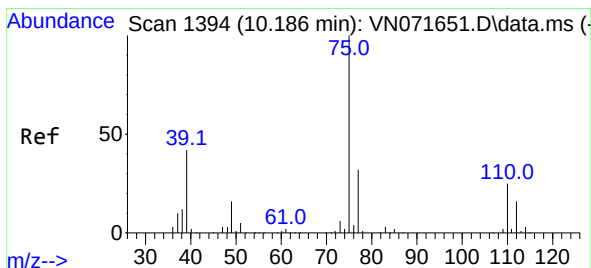
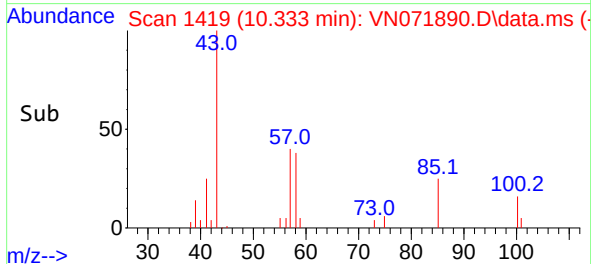
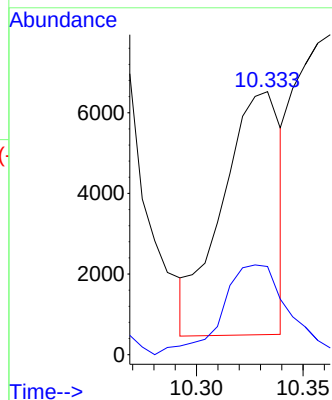
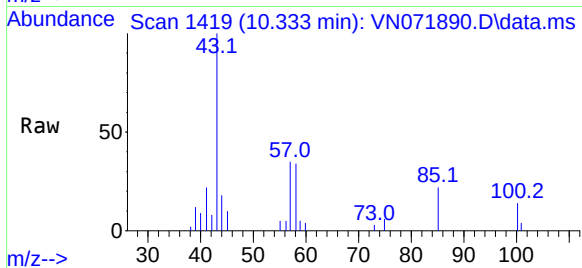
TP-3

Tgt Ion: 43 Resp: 11516

Ion Ratio Lower Upper

43 100

58 41.6 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 11.098 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071890.D

Acq: 06 Apr 2022 19:32

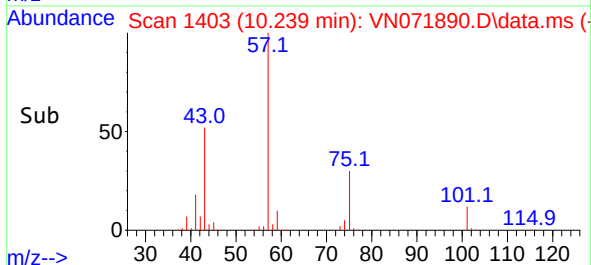
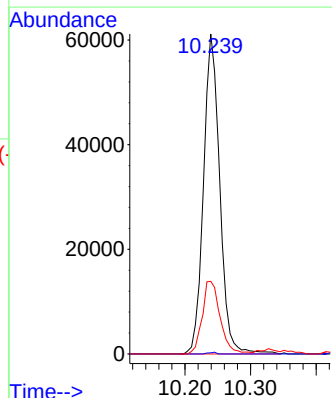
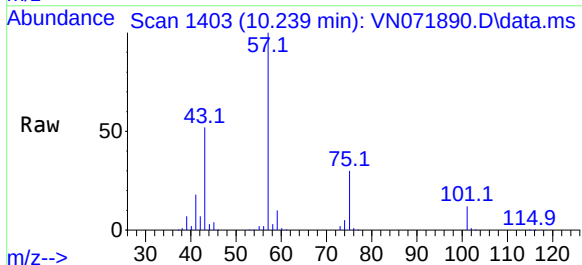
Tgt Ion: 75 Resp: 105552

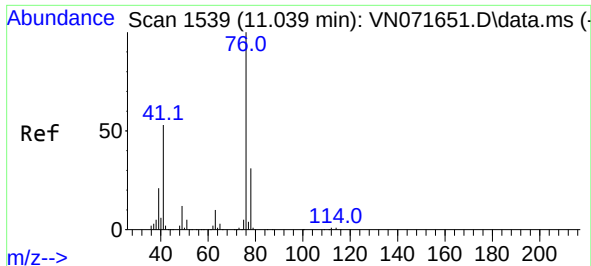
Ion Ratio Lower Upper

75 100

77 0.4 25.2 37.8#

39 22.7 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 6.215 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071890.D

Acq: 06 Apr 2022 19:32

Instrument :

MSVOA_N

ClientSampleId :

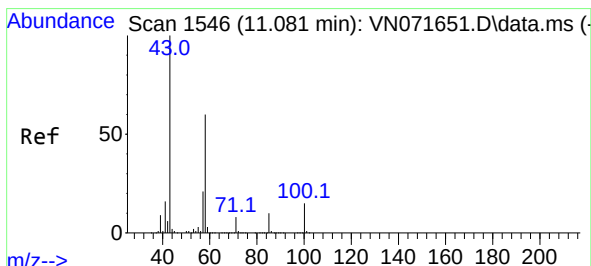
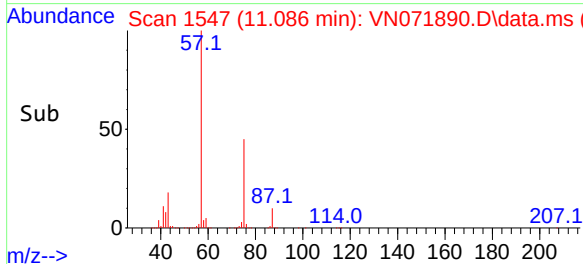
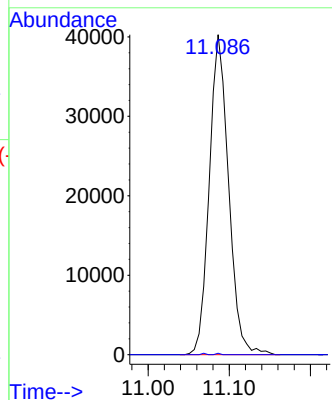
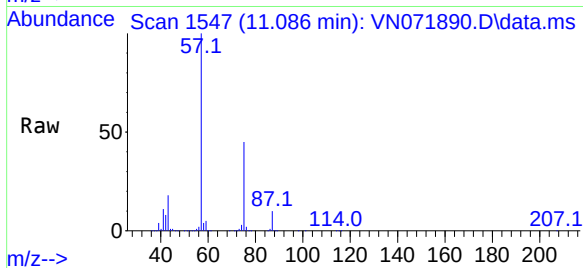
TP-3

Tgt Ion: 76 Resp: 66503

Ion Ratio Lower Upper

76 100

78 0.1 26.2 39.2#



#59

2-Hexanone

Concen: 138.299 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071890.D

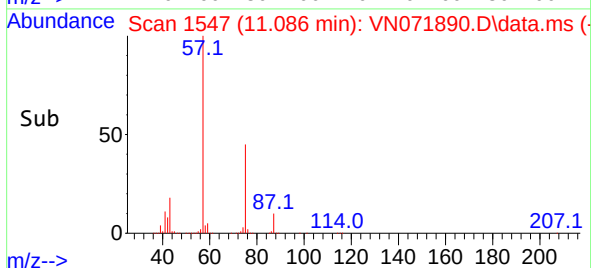
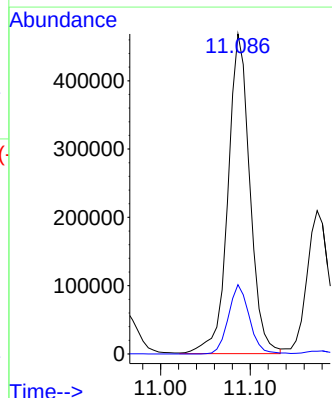
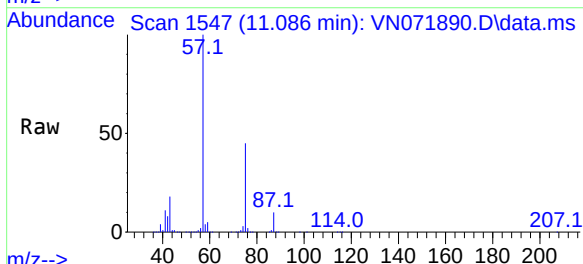
Acq: 06 Apr 2022 19:32

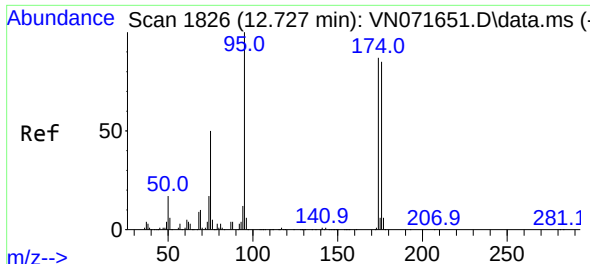
Tgt Ion: 43 Resp: 793636

Ion Ratio Lower Upper

43 100

58 20.7 29.7 89.1#

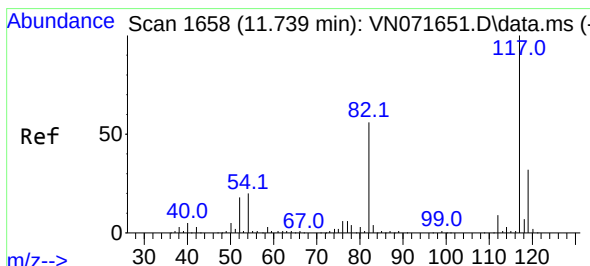
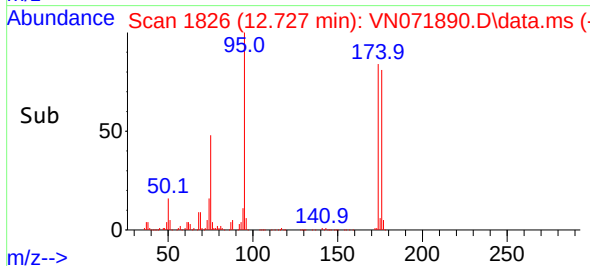
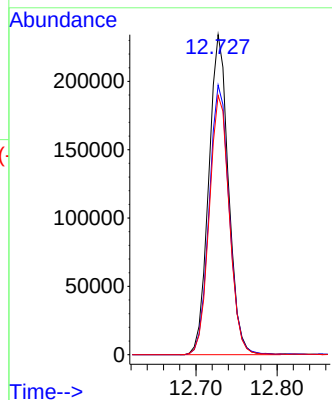
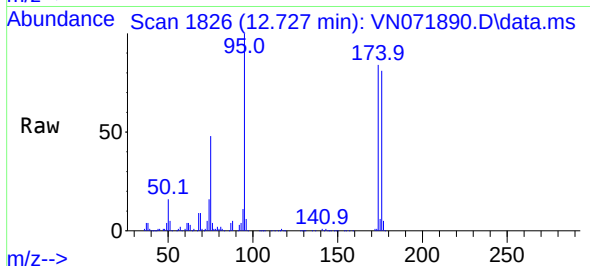




#62
4-Bromofluorobenzene
Concen: 53.586 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

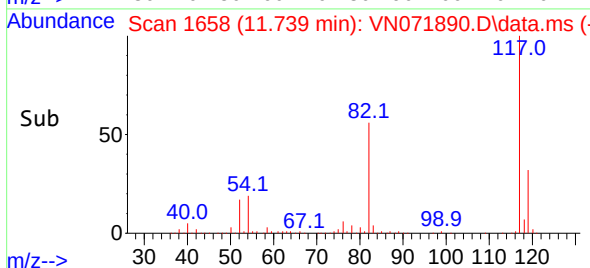
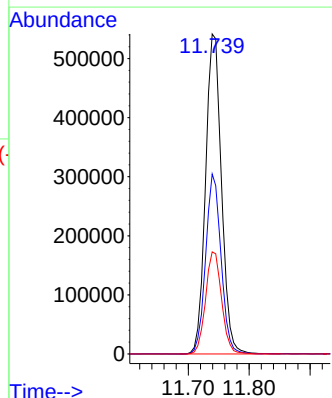
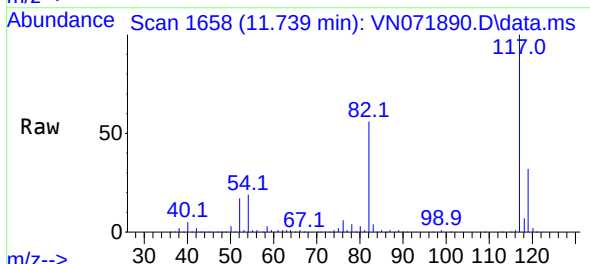
Instrument :
MSVOA_N
ClientSampleId :
TP-3

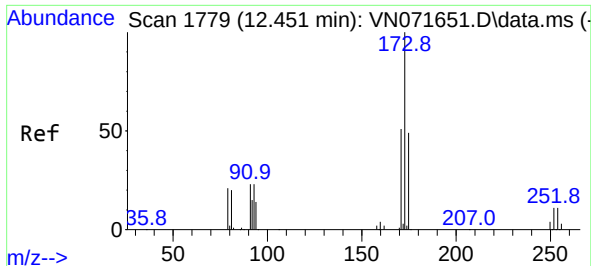
Tgt Ion: 95 Resp: 395331
Ion Ratio Lower Upper
95 100
174 85.4 0.0 167.6
176 82.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Tgt Ion: 117 Resp: 983341
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.2
119 31.9 25.4 38.0

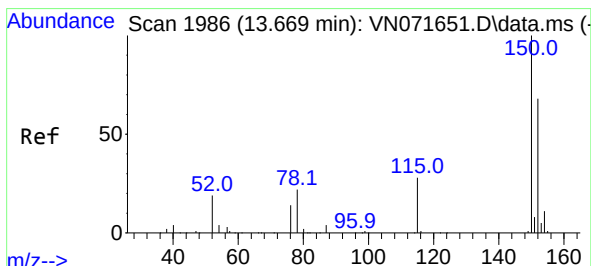
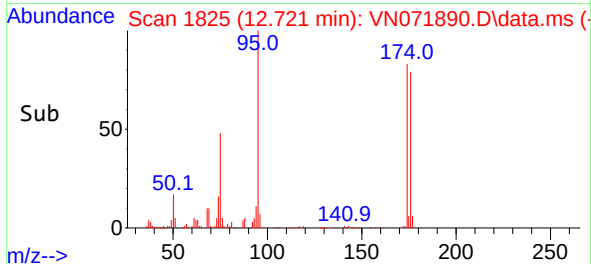
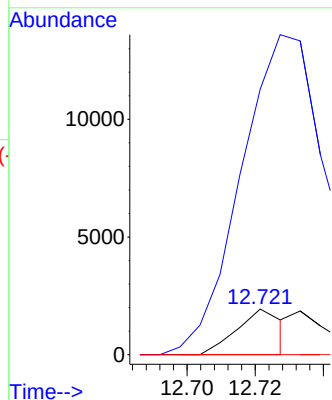
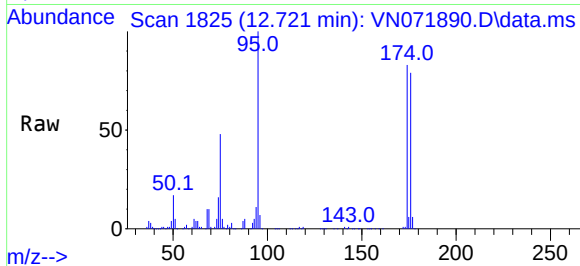




#71
Bromoform
Concen: 0.332 ug/l
RT: 12.721 min Scan# 1779
Delta R.T. 0.270 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

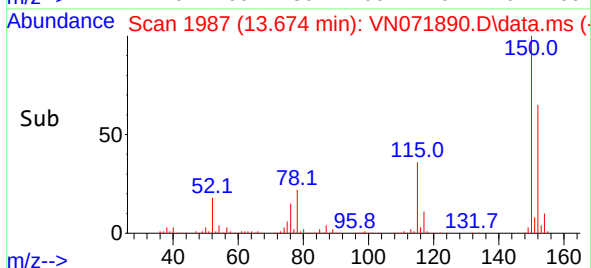
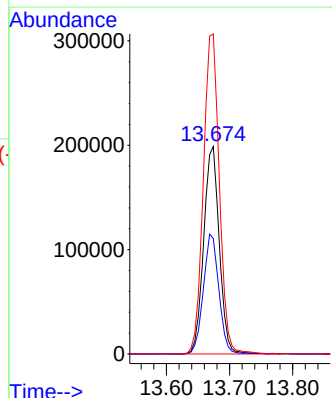
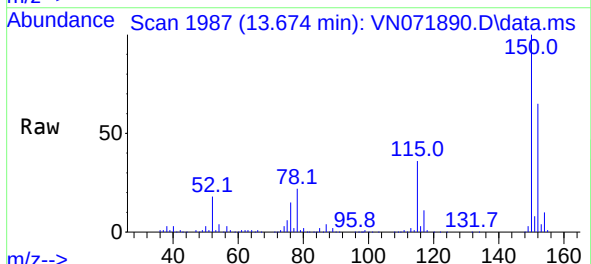
Instrument :
MSVOA_N
ClientSampleId :
TP-3

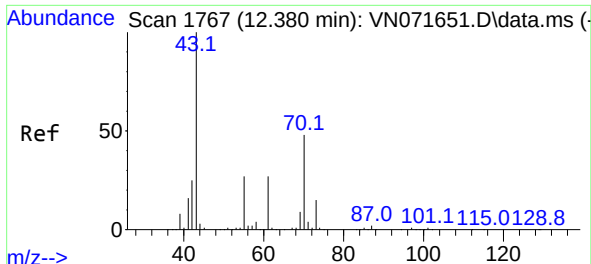
Tgt Ion:173 Resp: 1794
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

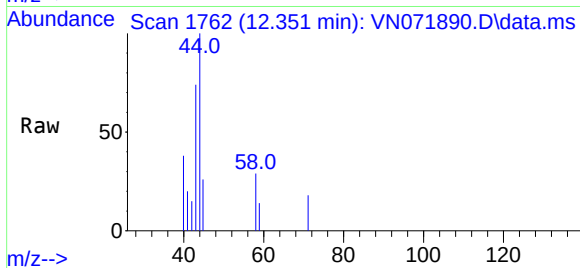
Tgt Ion:152 Resp: 342291
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.7
150 157.8 0.0 356.2



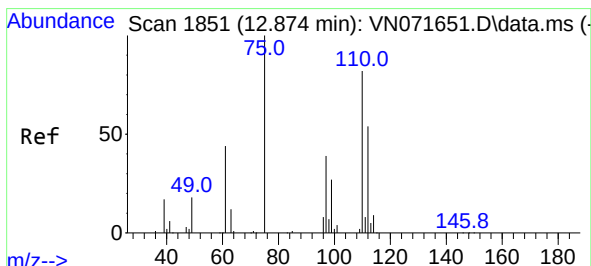
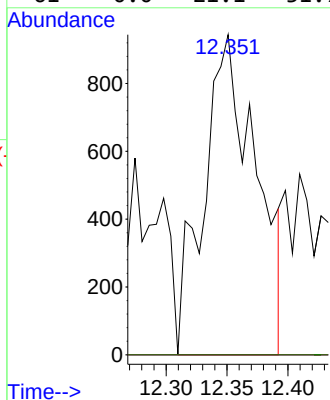
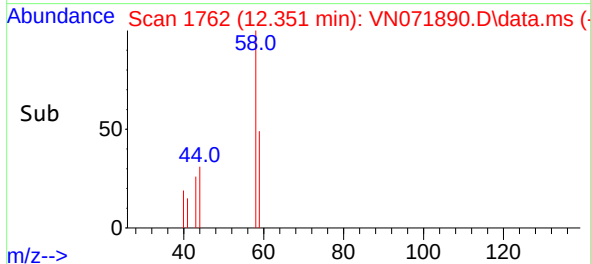


#74
N-amy1 acetate
Concen: 0.340 ug/l
RT: 12.351 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Instrument :
MSVOA_N
ClientSampleId :
TP-3

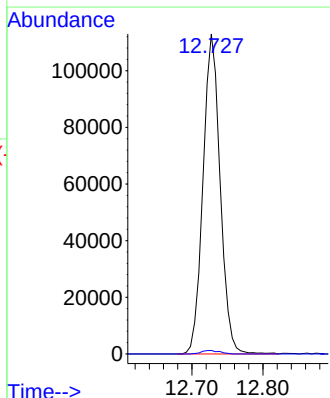
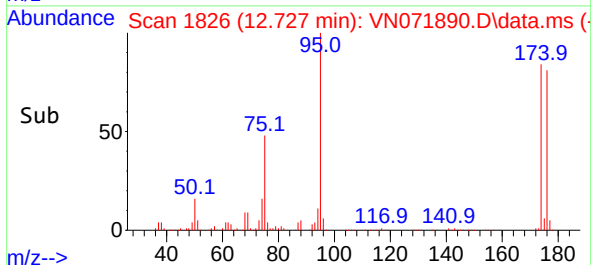
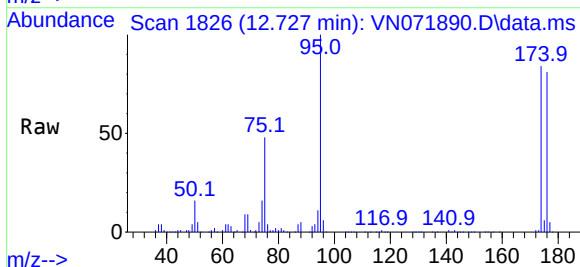


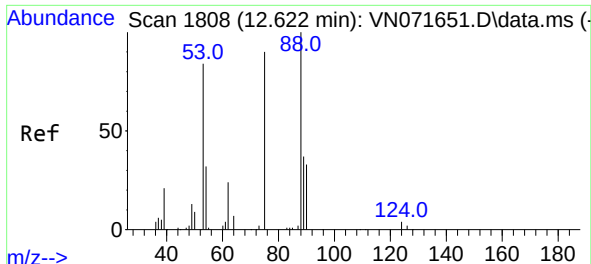
Tgt Ion: 43 Resp: 2810
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 23.956 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Tgt Ion: 75 Resp: 189955
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

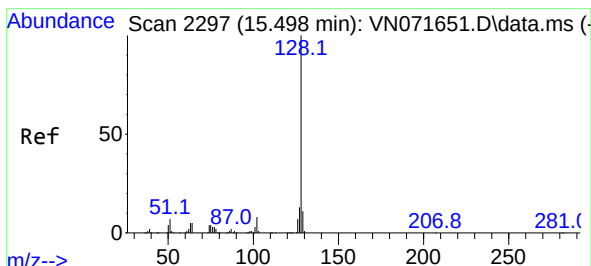
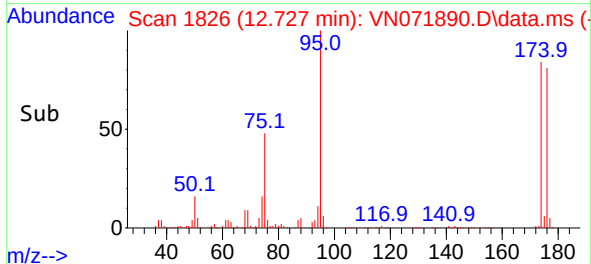
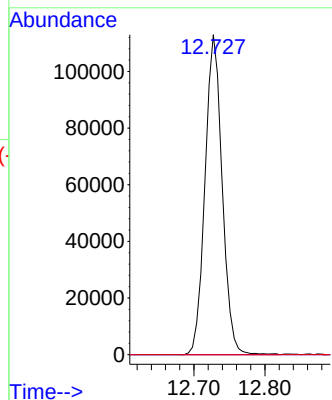
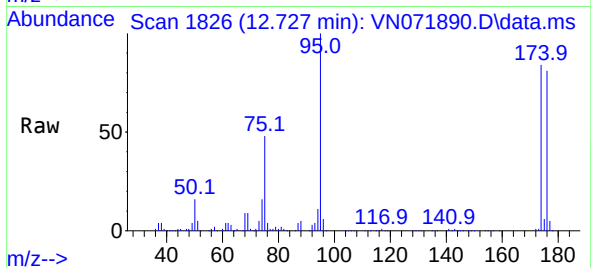




#81
trans-1,4-Dichloro-2-butene
Concen: 74.238 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Instrument :
MSVOA_N
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 189955
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.818 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.011 min
Lab File: VN071890.D
Acq: 06 Apr 2022 19:32

Tgt Ion:128 Resp: 250
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

