

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
 Data File : VN071887.D
 Acq On : 06 Apr 2022 18:20
 Operator : JC\MD
 Sample : N2254-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-4-GR-5

Quant Time: Apr 07 04:29:49 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)

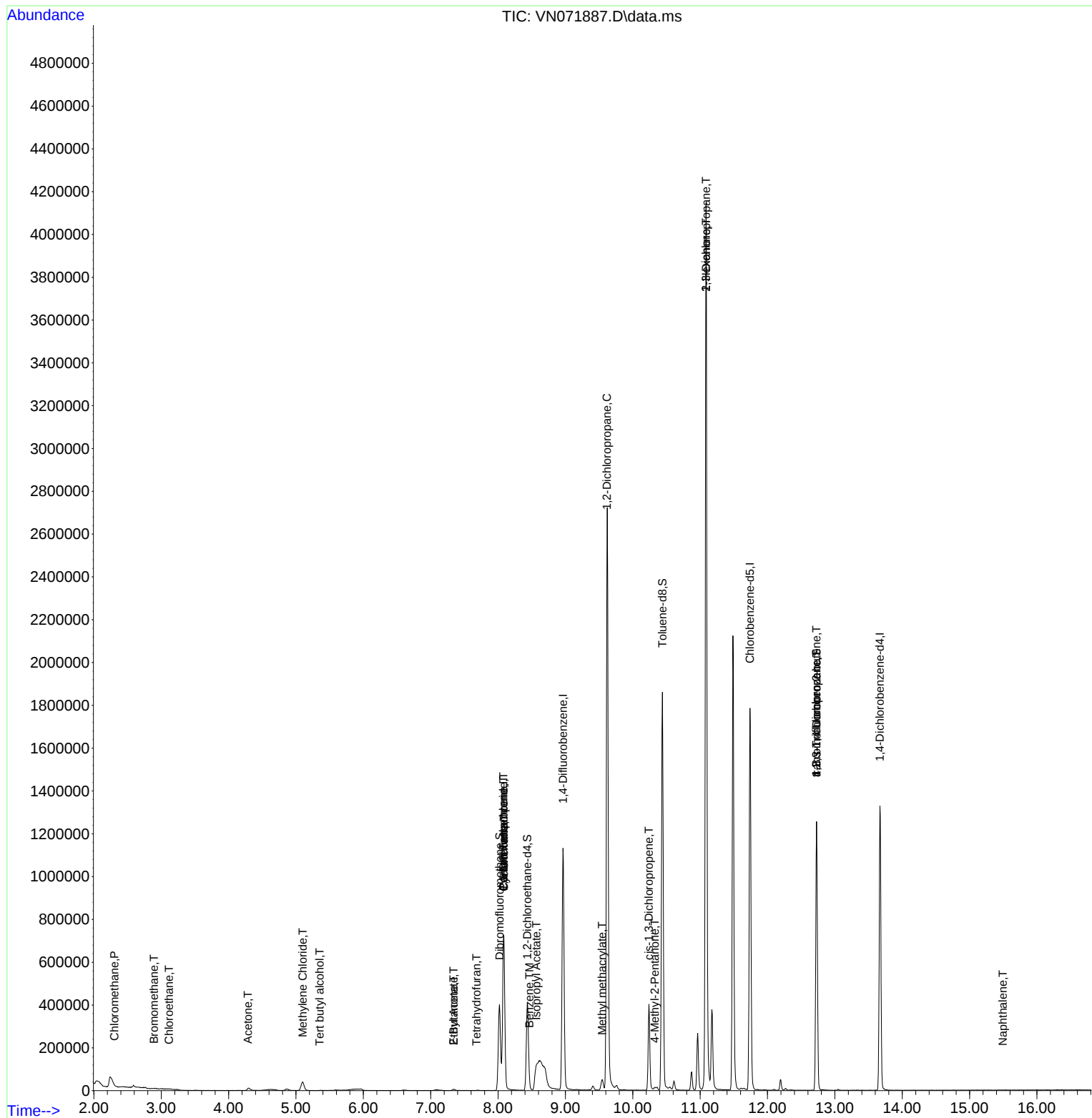
Internal Standards						
1) Pentafluorobenzene	8.080	168	607803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1054886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1108000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	400559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	332807	47.963	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.920%
35) Dibromofluoromethane	8.022	113	296642	47.788	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.580%
50) Toluene-d8	10.439	98	1346354	53.021	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.040%
62) 4-Bromofluorobenzene	12.727	95	454935	55.395	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1839	0.300	ug/l #	81
5) Bromomethane	2.893	94	1039	0.238	ug/l	83
6) Chloroethane	3.116	64	5633	1.164	ug/l #	42
11) Tert butyl alcohol	5.351	59	701	0.623	ug/l #	72
16) Acetone	4.287	43	20580	6.940	ug/l	100
18) Methyl Acetate	4.851	43	7503	Below Cal	#	58
20) Methylene Chloride	5.098	84	34498	5.519	ug/l	94
25) 2-Butanone	7.339	43	10833	2.534	ug/l	98
29) Tetrahydrofuran	7.681	42	585	0.211	ug/l #	67
31) Cyclohexane	8.086	56	10151	1.076	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	40055	4.621	ug/l #	49
37) Ethyl Acetate	7.339	43	10833	1.142	ug/l #	67
38) Carbon Tetrachloride	8.080	117	54360	6.399	ug/l #	16
40) Benzene	8.463	78	5635	0.206	ug/l	91
43) Isopropyl Acetate	8.569	43	152083	9.637	ug/l #	68
45) 1,2-Dichloropropane	9.616	63	3978	0.582	ug/l #	44
48) Methyl methacrylate	9.545	41	12773	1.951	ug/l #	10
49) 1,4-Dioxane	9.622	88	465	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	7856	0.866	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	80265	7.581	ug/l #	62
57) 1,3-Dichloropropane	11.086	76	47956	4.026	ug/l #	42
59) 2-Hexanone	11.086	43	587680	91.996	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	217501	23.440	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	217501	72.638	ug/l #	10
95) Naphthalene	15.492	128	237	3.815	ug/l #	69

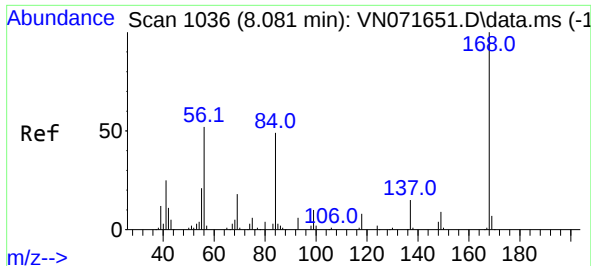
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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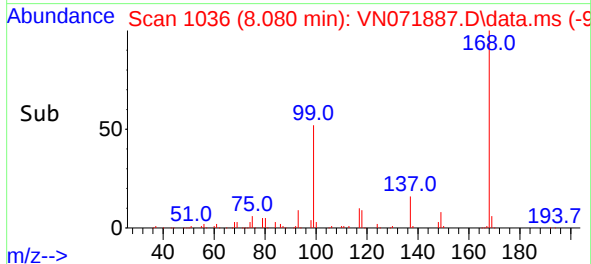
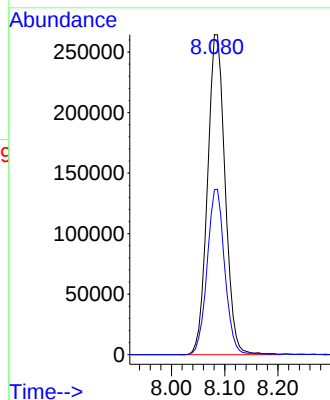
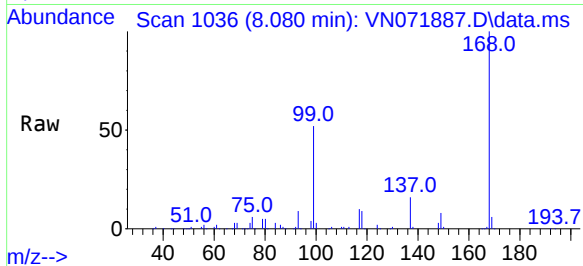




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

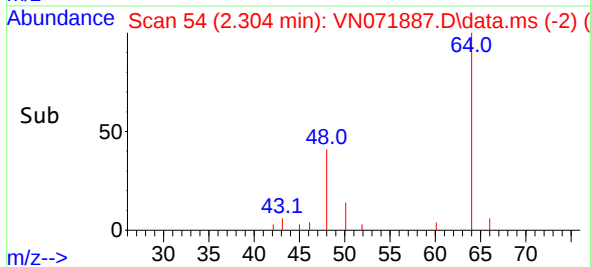
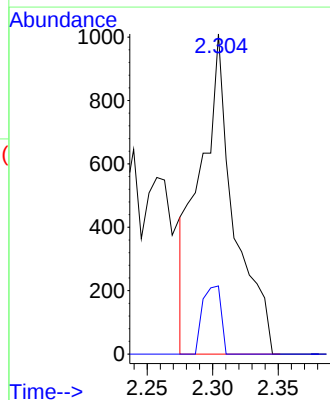
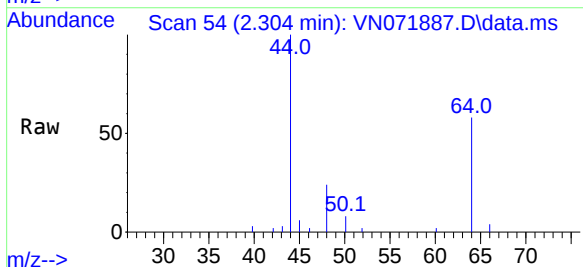
Instrument :
MSVOA_N
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WC-14A-1A-4-GR-5

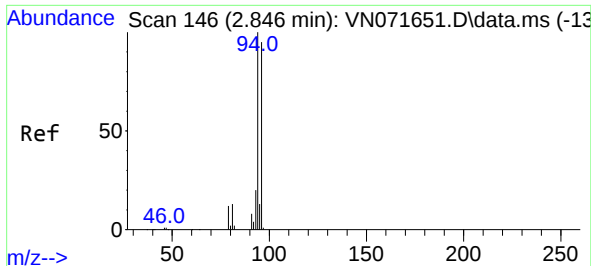
Tgt Ion:168 Resp: 607803
Ion Ratio Lower Upper
168 100
99 51.5 42.3 63.5



#3
Chloromethane
Concen: 0.300 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Tgt Ion: 50 Resp: 1839
Ion Ratio Lower Upper
50 100
52 21.3 25.7 38.5#

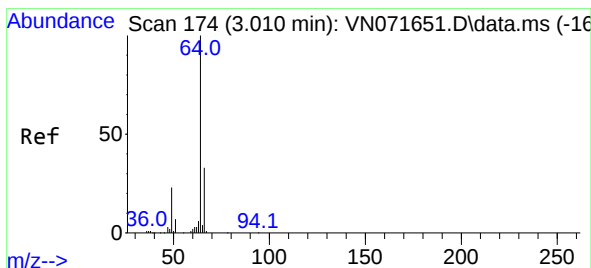
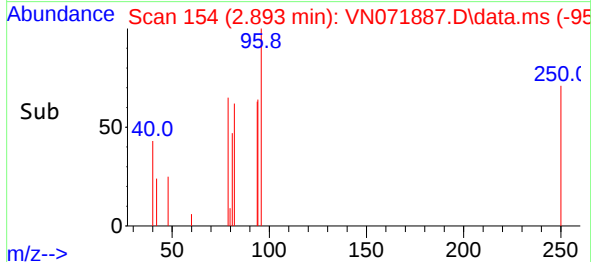
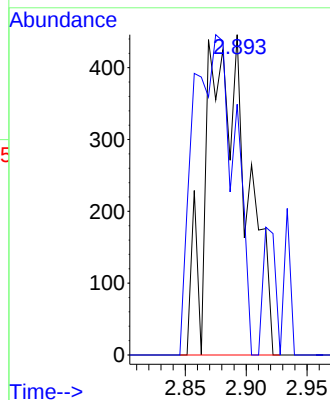
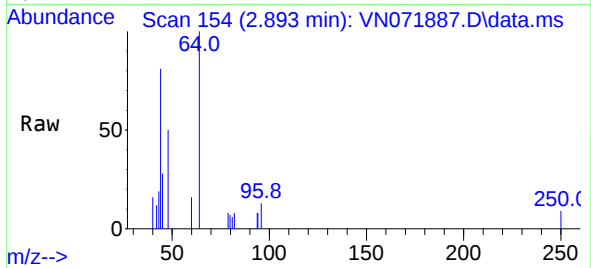




#5
Bromomethane
Concen: 0.238 ug/l
RT: 2.893 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

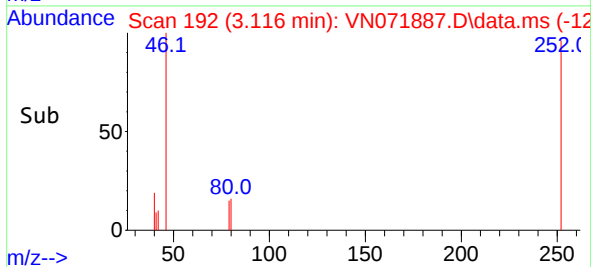
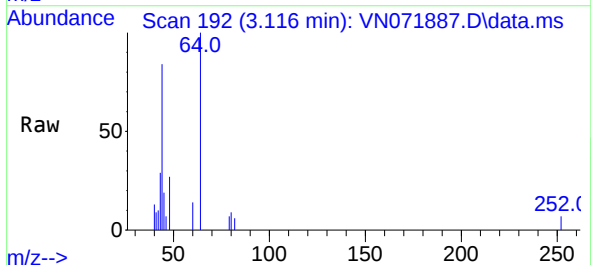
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5

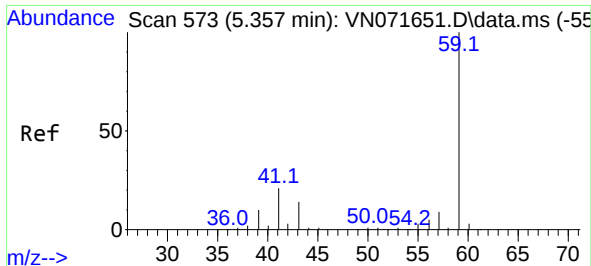
Tgt Ion: 94 Resp: 1039
Ion Ratio Lower Upper
94 100
96 78.3 76.0 114.0



#6
Chloroethane
Concen: 1.164 ug/l
RT: 3.116 min Scan# 192
Delta R.T. 0.106 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Tgt Ion: 64 Resp: 5633
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 0.623 ug/l

RT: 5.351 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN071887.D

Acq: 06 Apr 2022 18:20

Instrument :

MSVOA_N

ClientSampleId :

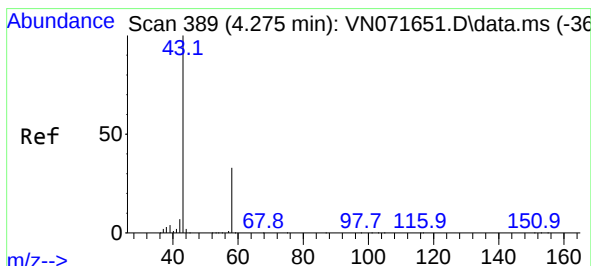
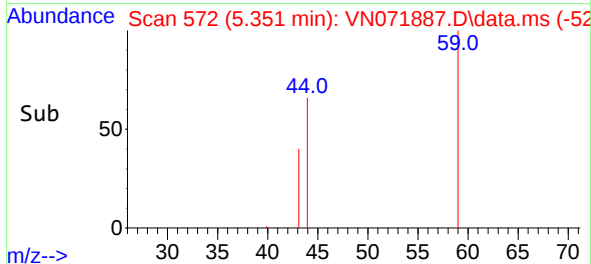
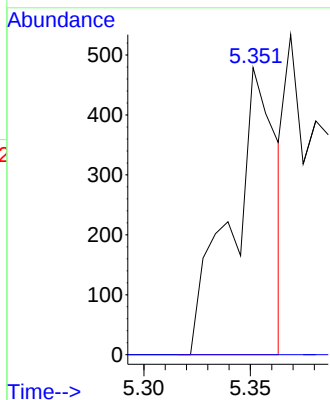
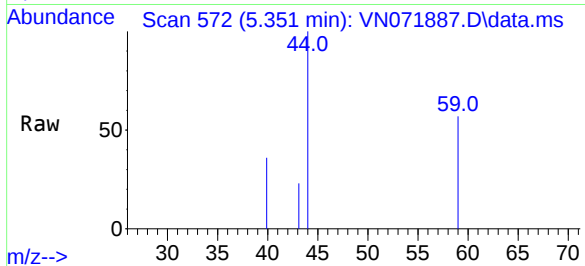
WC-14A-1A-4-GR-5

Tgt Ion: 59 Resp: 701

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 6.940 ug/l

RT: 4.287 min Scan# 391

Delta R.T. 0.012 min

Lab File: VN071887.D

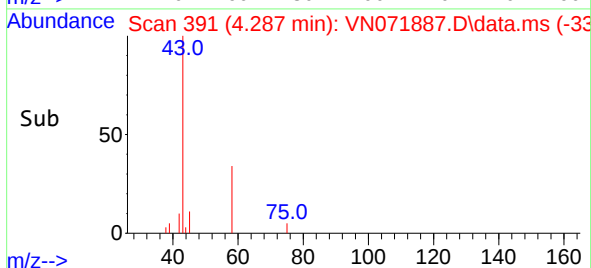
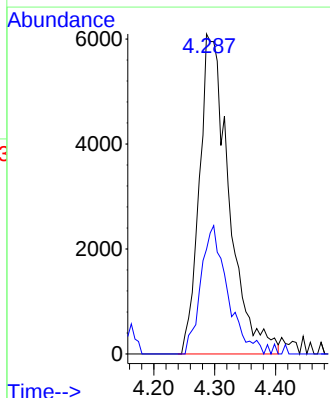
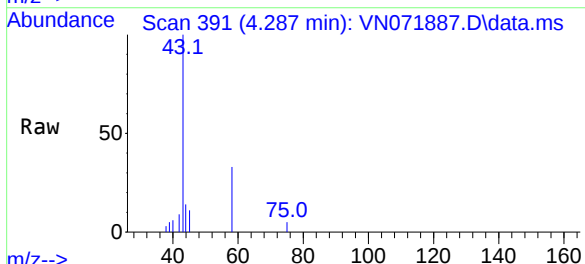
Acq: 06 Apr 2022 18:20

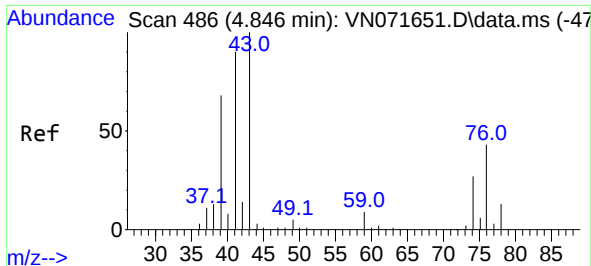
Tgt Ion: 43 Resp: 20580

Ion Ratio Lower Upper

43 100

58 32.7 26.0 39.0

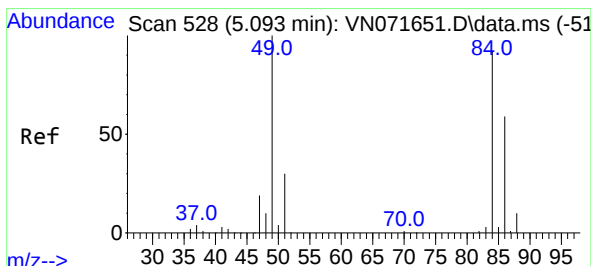
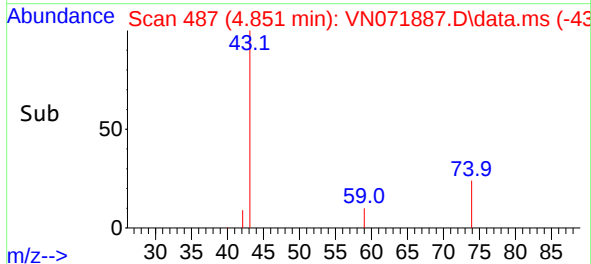
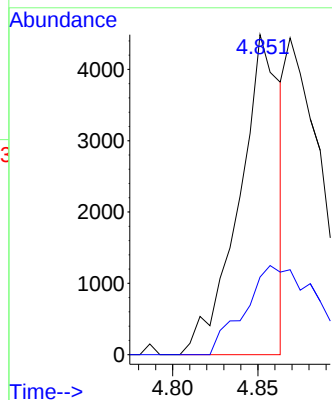
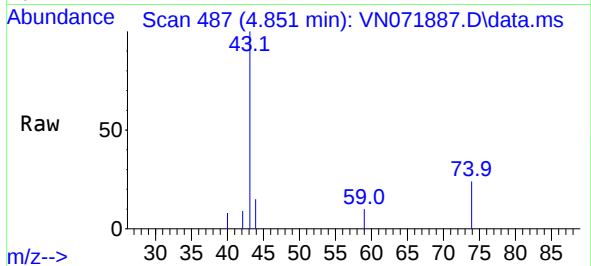




#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

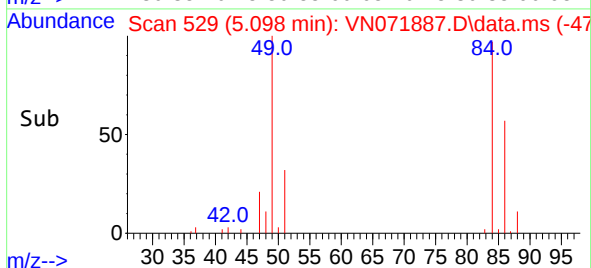
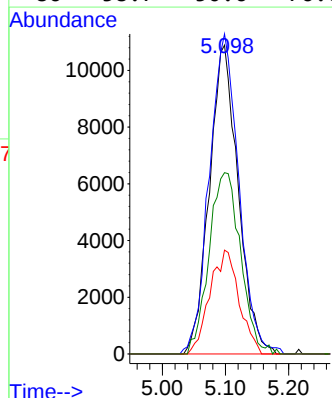
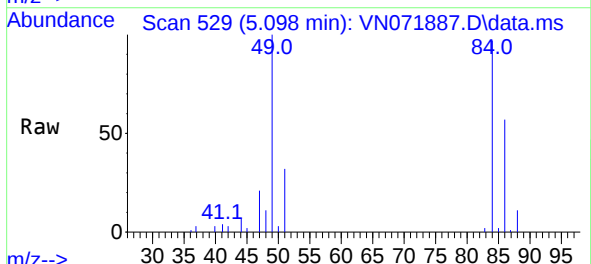
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5

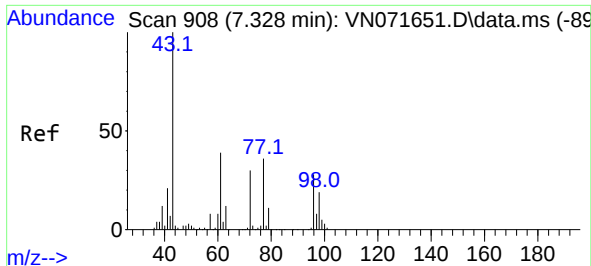
Tgt Ion: 43 Resp: 7503
Ion Ratio Lower Upper
43 100
74 48.9 21.6 32.4#



#20
Methylene Chloride
Concen: 5.519 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Tgt Ion: 84 Resp: 34498
Ion Ratio Lower Upper
84 100
49 103.6 88.3 132.5
51 33.6 28.2 42.2
86 58.7 50.6 76.0





#25

2-Butanone

Concen: 2.534 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.011 min

Lab File: VN071887.D

Acq: 06 Apr 2022 18:20

Instrument :

MSVOA_N

ClientSampleId :

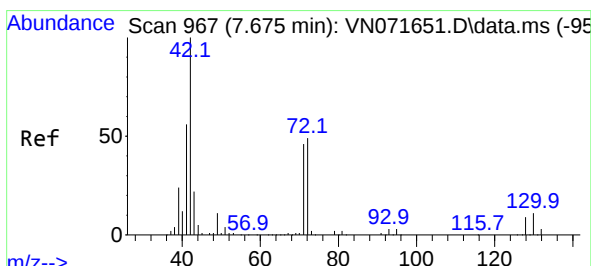
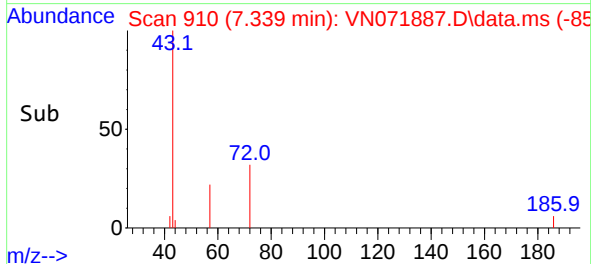
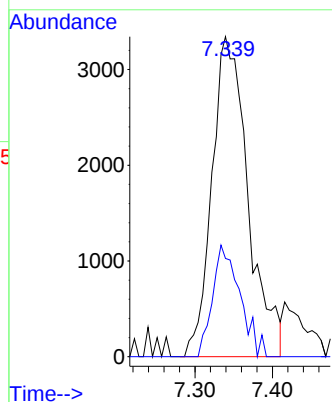
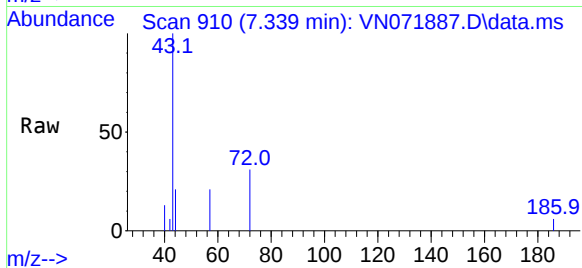
WC-14A-1A-4-GR-5

Tgt Ion: 43 Resp: 10833

Ion Ratio Lower Upper

43 100

72 30.7 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 7.681 min Scan# 968

Delta R.T. 0.006 min

Lab File: VN071887.D

Acq: 06 Apr 2022 18:20

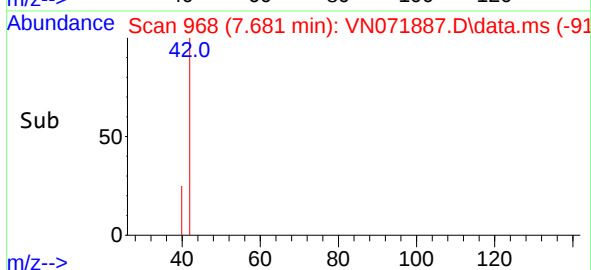
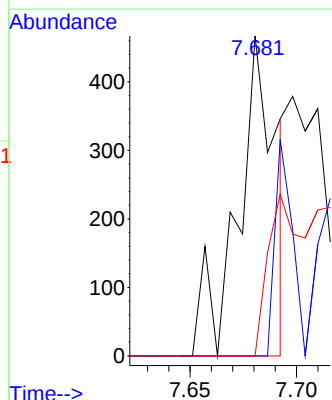
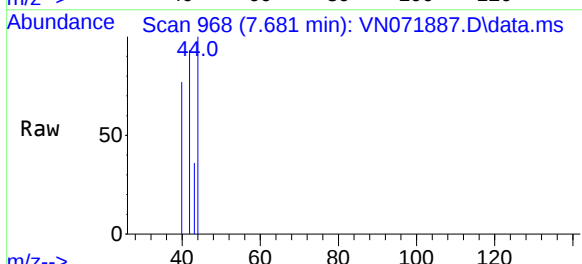
Tgt Ion: 42 Resp: 585

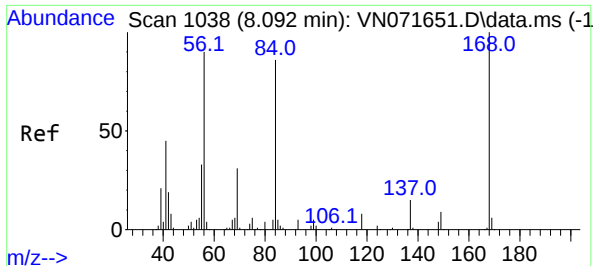
Ion Ratio Lower Upper

42 100

72 30.3 39.7 59.5#

71 70.4 36.6 55.0#





#31

Cyclohexane

Concen: 1.076 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071887.D

Acq: 06 Apr 2022 18:20

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WC-14A-1A-4-GR-5

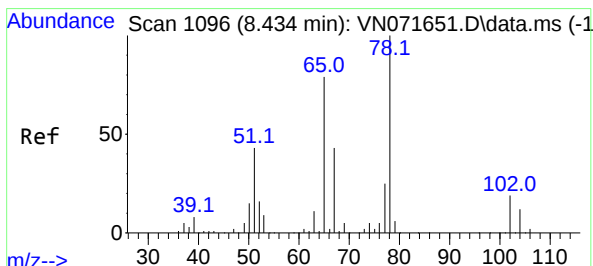
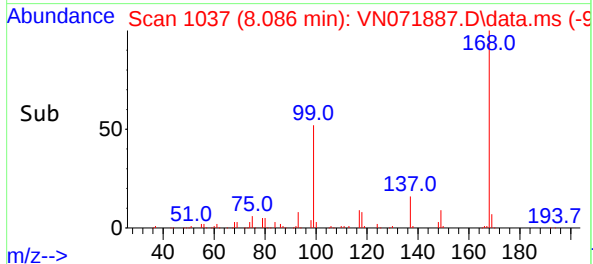
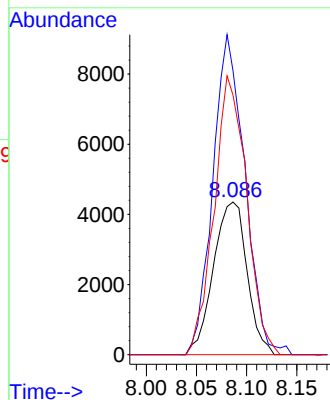
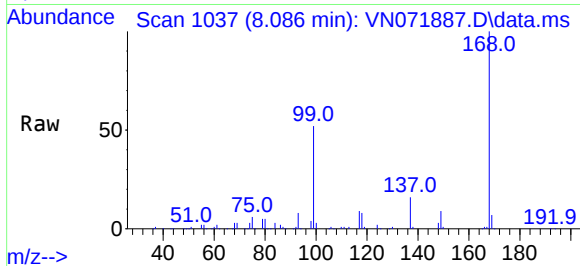
Tgt Ion: 56 Resp: 10151

Ion Ratio Lower Upper

56 100

69 186.1 27.8 41.8#

84 170.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 47.963 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071887.D

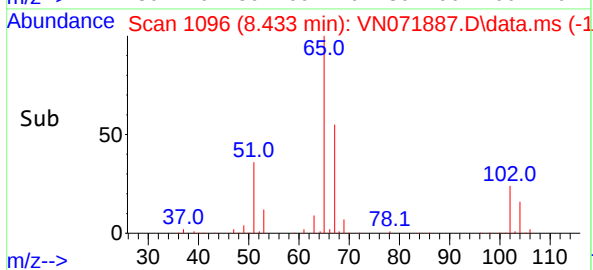
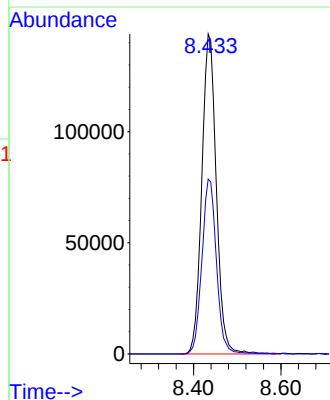
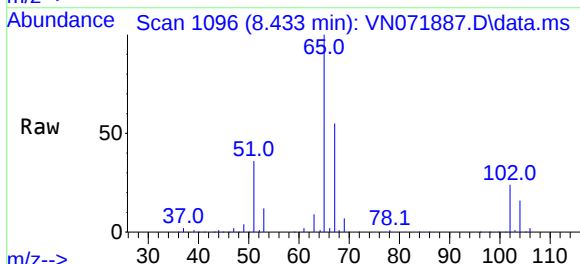
Acq: 06 Apr 2022 18:20

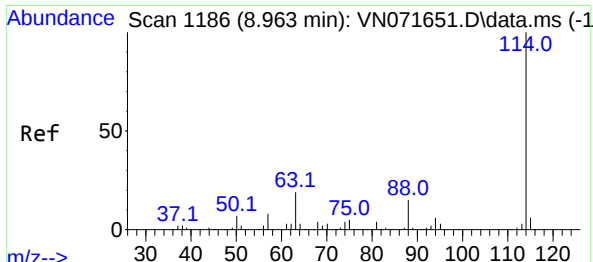
Tgt Ion: 65 Resp: 332807

Ion Ratio Lower Upper

65 100

67 54.7 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: VN071887.D

Acq: 06 Apr 2022 18:20

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-4-GR-5

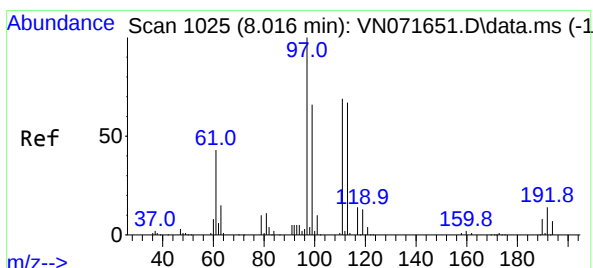
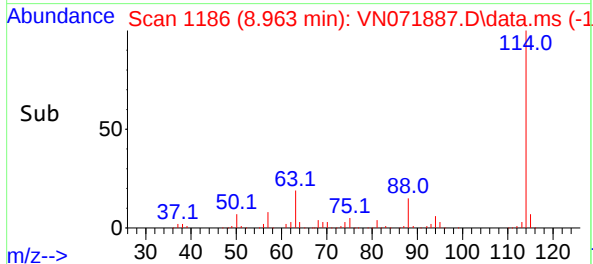
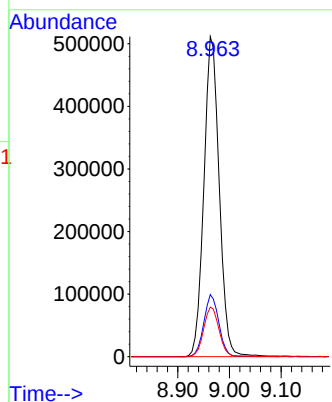
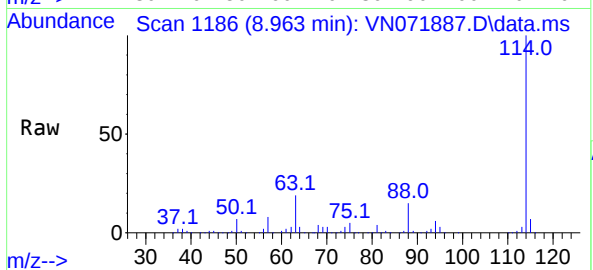
Tgt Ion:114 Resp: 1054886

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.788 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071887.D

Acq: 06 Apr 2022 18:20

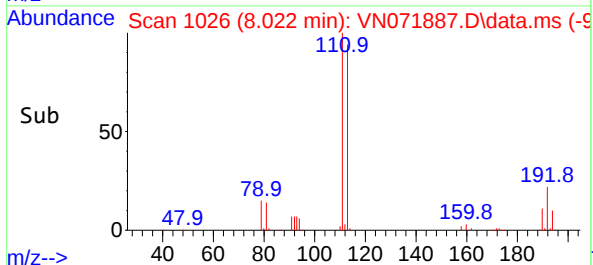
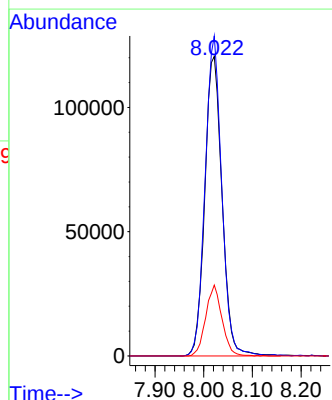
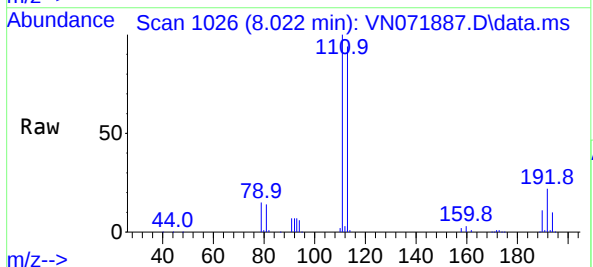
Tgt Ion:113 Resp: 296642

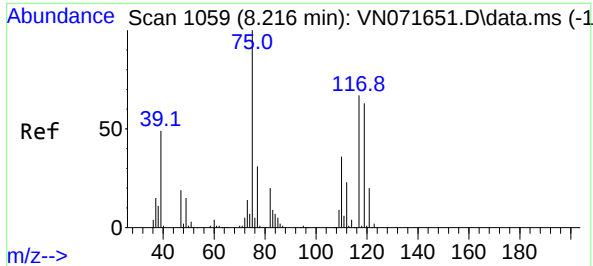
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 22.2 17.0 25.6

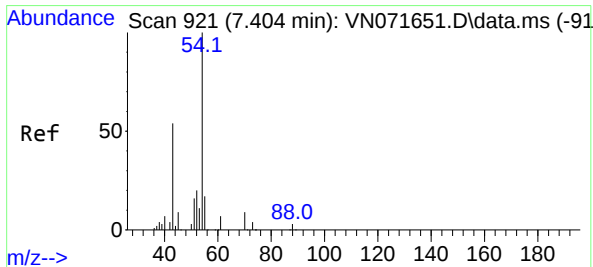
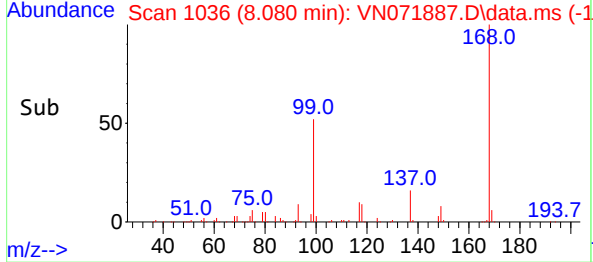
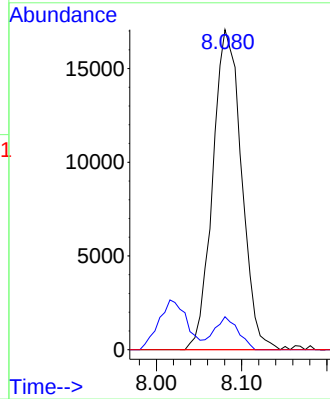
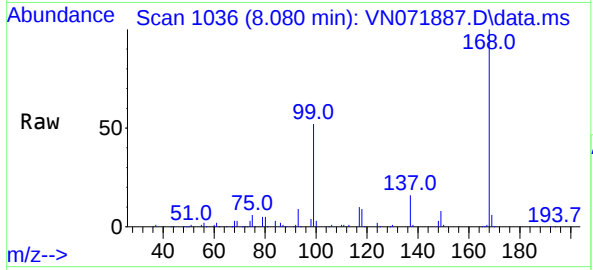




#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 8.080 min Scan# 1059
Delta R.T. -0.136 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

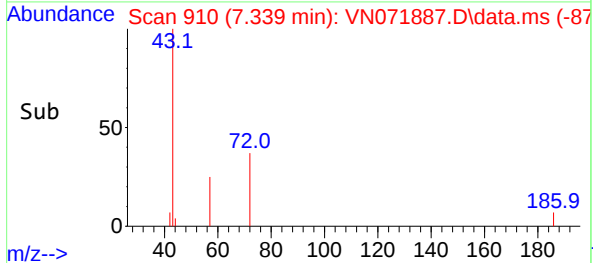
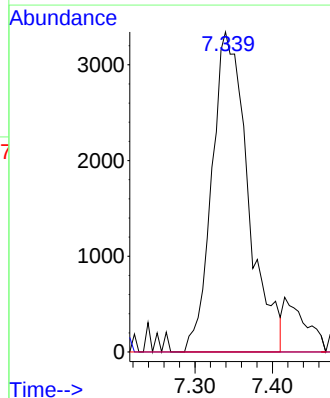
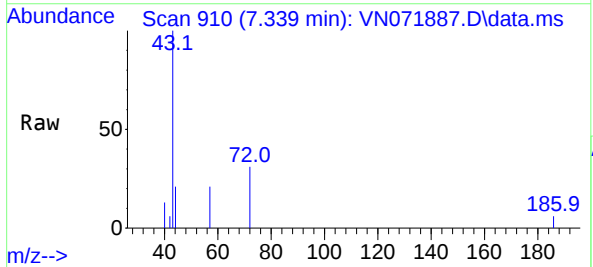
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5

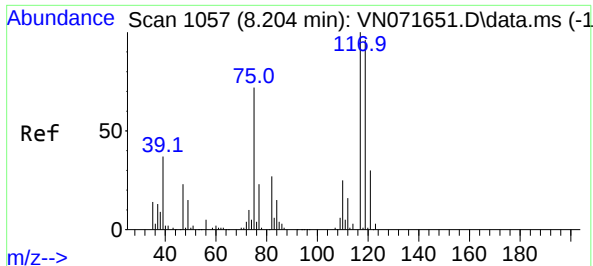
Tgt Ion: 75 Resp: 40055
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 1.142 ug/l
RT: 7.339 min Scan# 910
Delta R.T. -0.065 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Tgt Ion: 43 Resp: 10833
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#

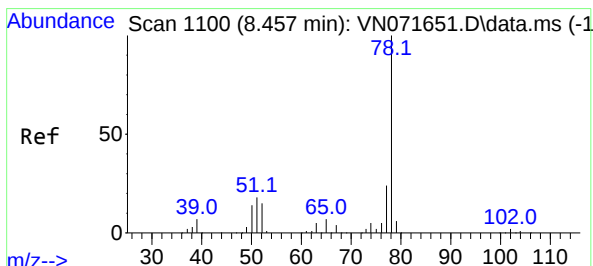
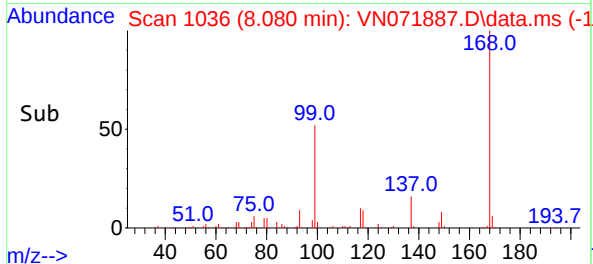
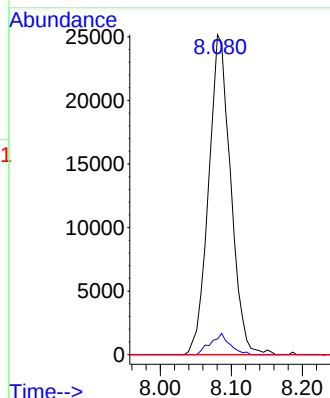
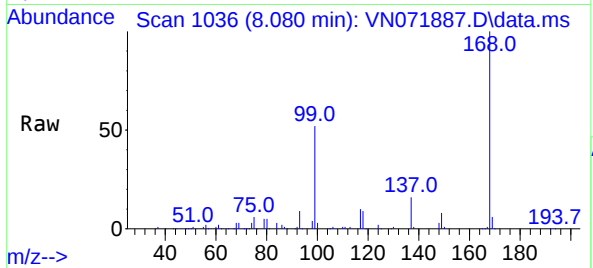




#38
Carbon Tetrachloride
Concen: 6.399 ug/l
RT: 8.080 min Scan# 1101
Delta R.T. -0.124 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

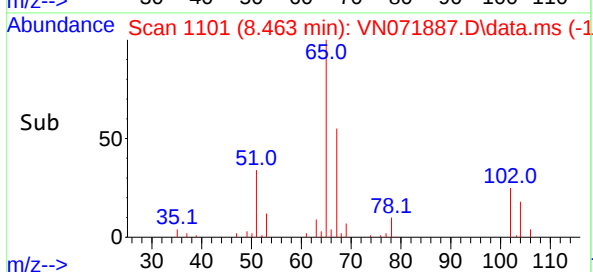
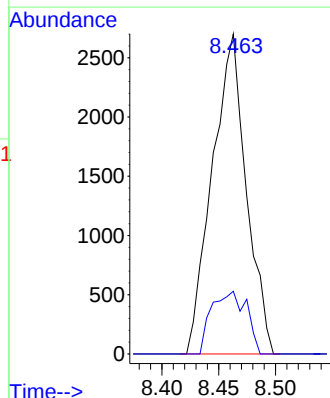
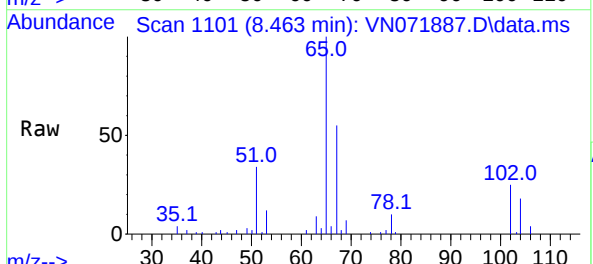
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5

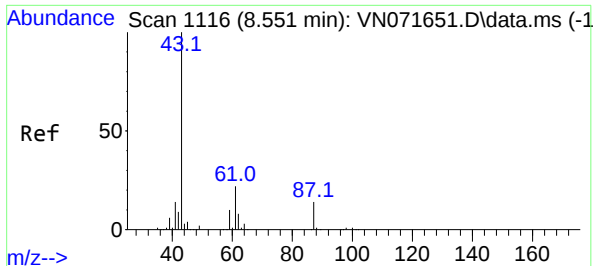
Tgt Ion:117 Resp: 54360
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.206 ug/l
RT: 8.463 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Tgt Ion: 78 Resp: 5635
Ion Ratio Lower Upper
78 100
77 19.6 19.4 29.0

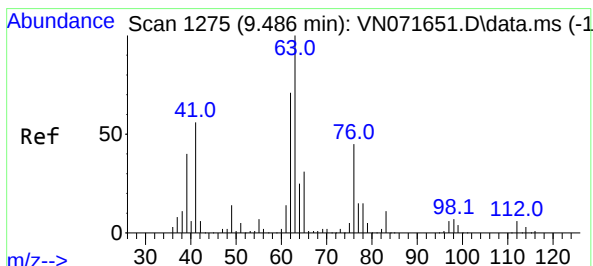
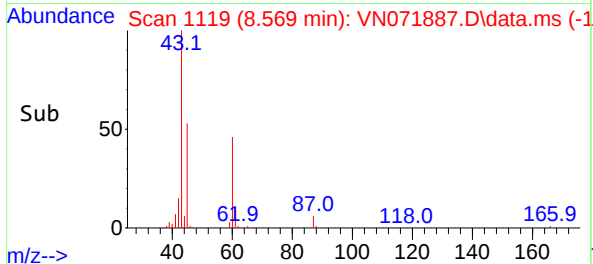
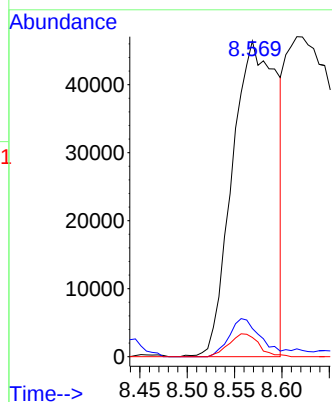
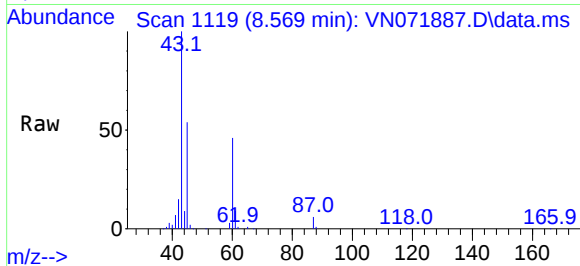




#43
Isopropyl Acetate
Concen: 9.637 ug/l
RT: 8.569 min Scan# 1116
Delta R.T. 0.018 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

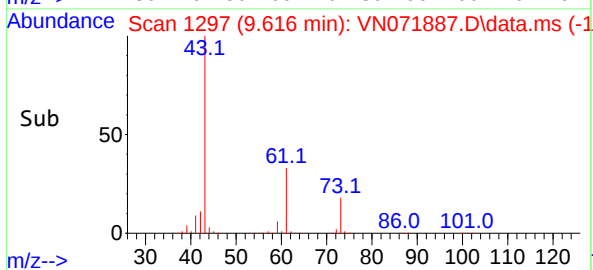
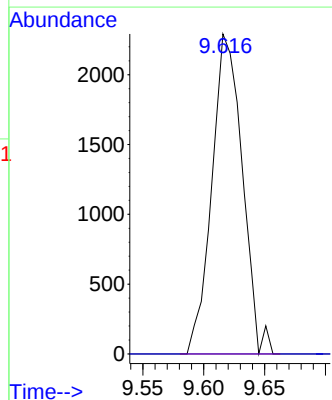
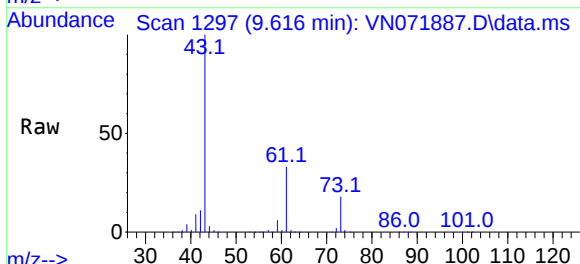
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5

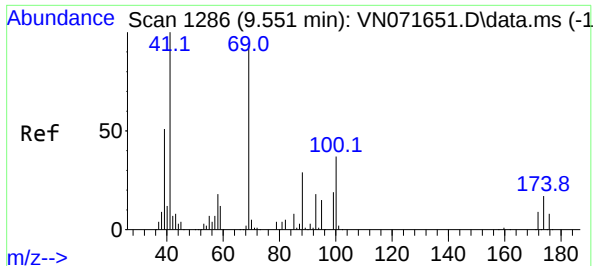
Tgt Ion: 43 Resp: 152083
Ion Ratio Lower Upper
43 100
61 8.8 21.9 32.9#
87 4.9 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.582 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Tgt Ion: 63 Resp: 3978
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.951 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.006 min

Lab File: VN071887.D

Acq: 06 Apr 2022 18:20

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-4-GR-5

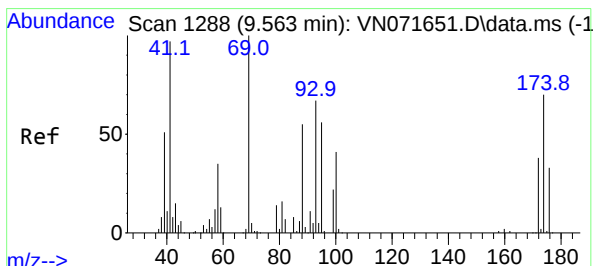
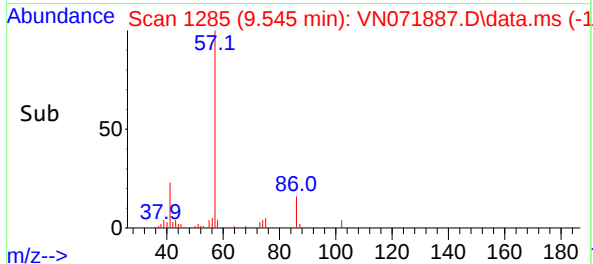
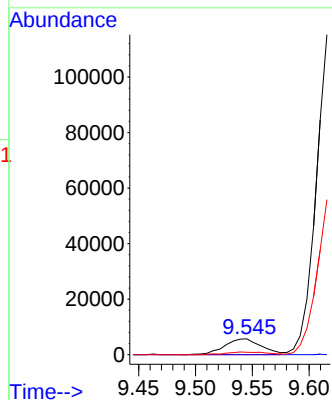
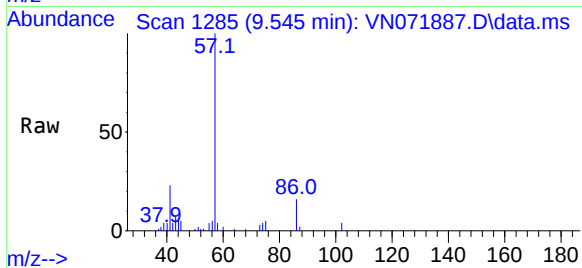
Tgt Ion: 41 Resp: 12773

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: VN071887.D

Acq: 06 Apr 2022 18:20

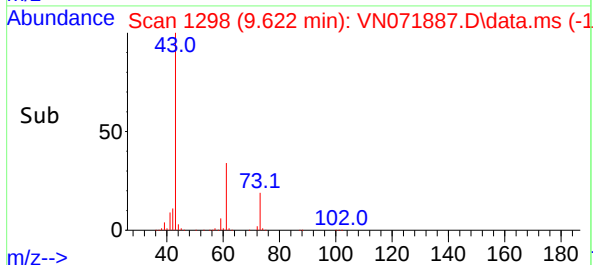
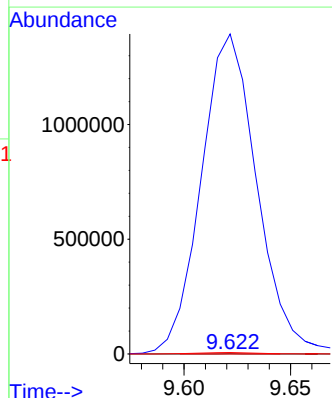
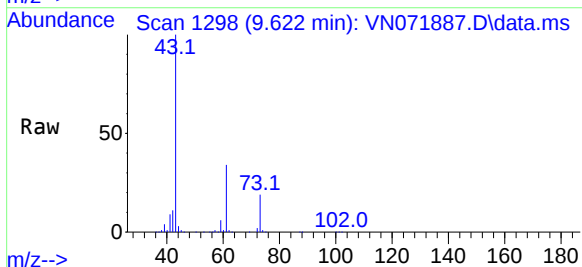
Tgt Ion: 88 Resp: 465

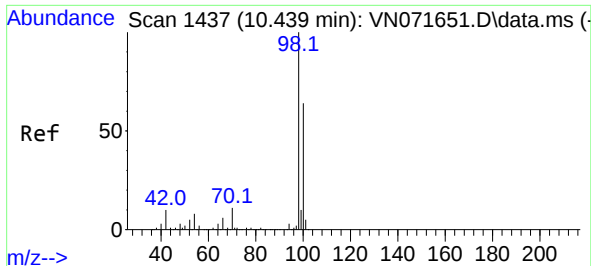
Ion Ratio Lower Upper

88 100

43 555341.3 20.2 30.4#

58 2736.8 54.2 81.4#

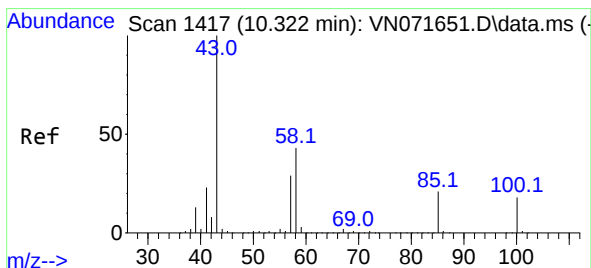
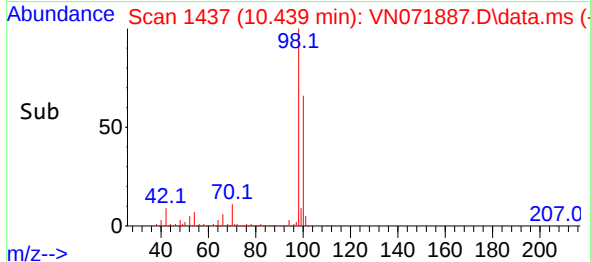
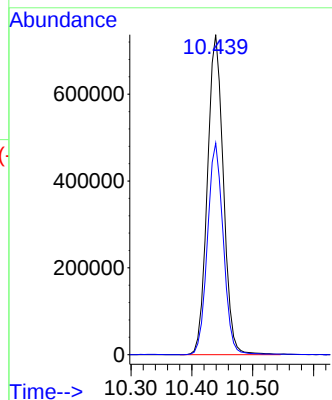
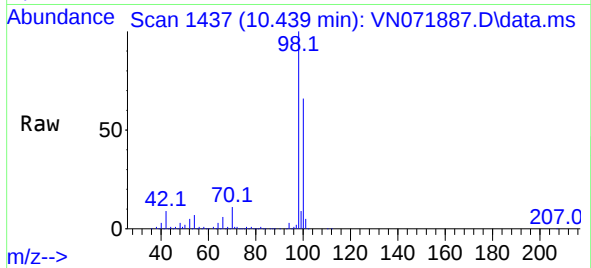




#50
Toluene-d8
Concen: 53.021 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

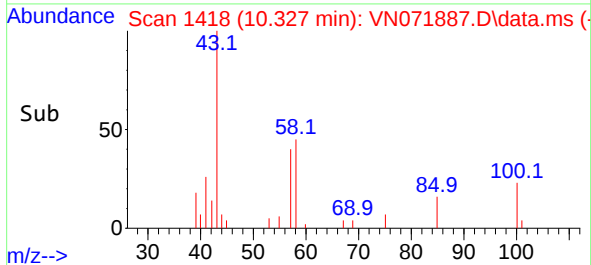
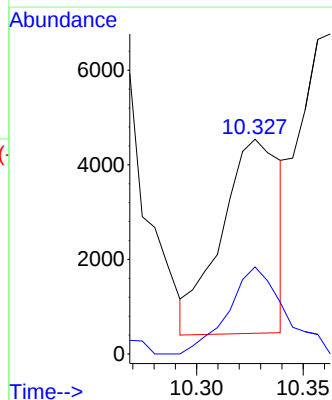
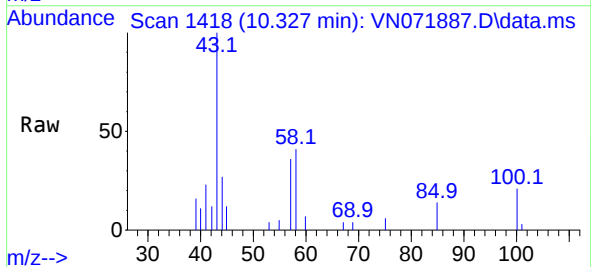
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5

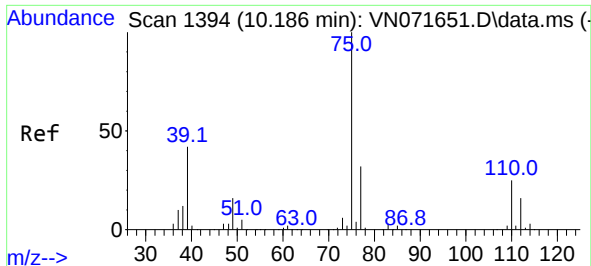
Tgt Ion: 98 Resp: 1346354
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.866 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Tgt Ion: 43 Resp: 7856
Ion Ratio Lower Upper
43 100
58 44.0 34.1 51.1

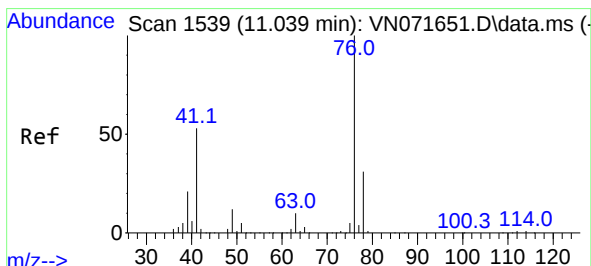
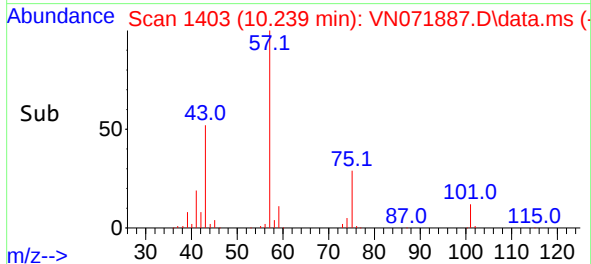
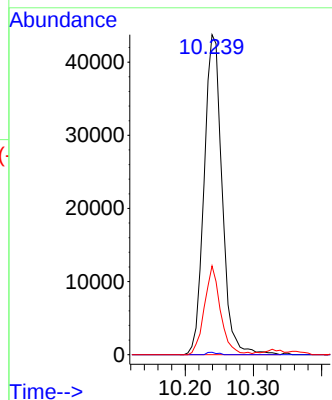
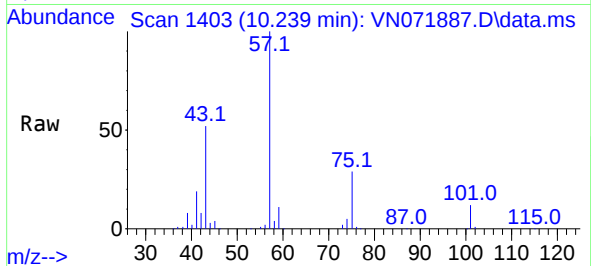




#54
cis-1,3-Dichloropropene
Concen: 7.581 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

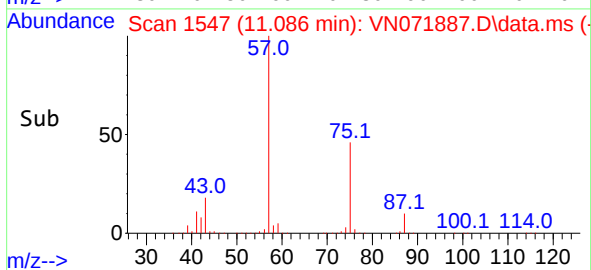
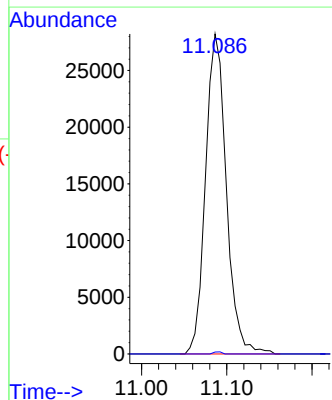
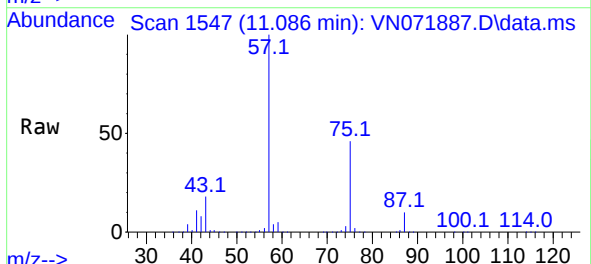
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5

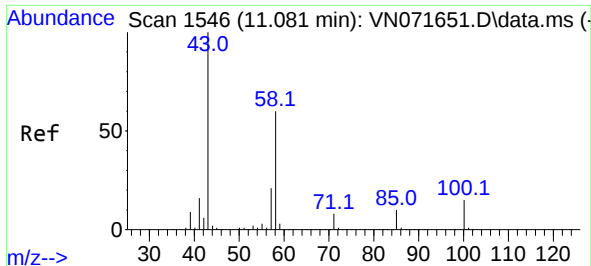
Tgt Ion: 75 Resp: 80265
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 27.8 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.026 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Tgt Ion: 76 Resp: 47956
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

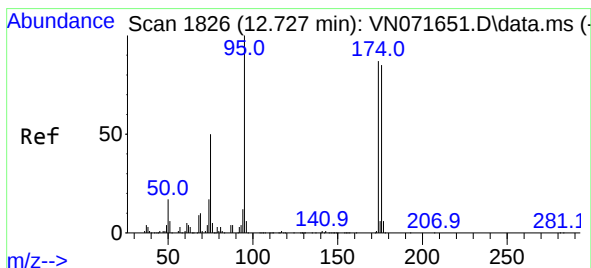
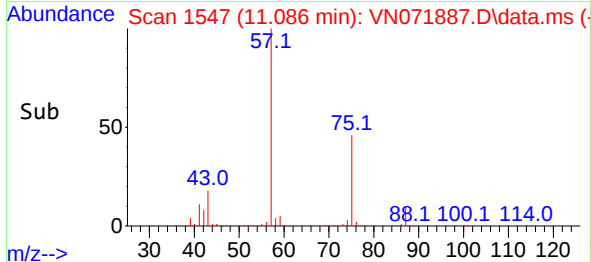
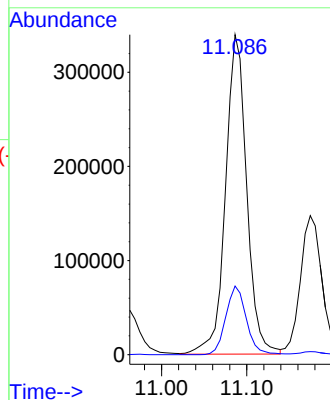
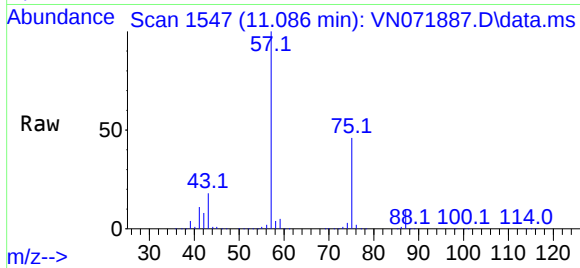




#59
2-Hexanone
Concen: 91.996 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

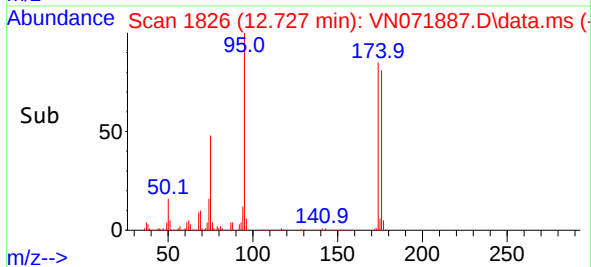
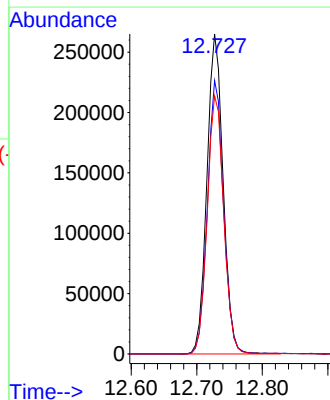
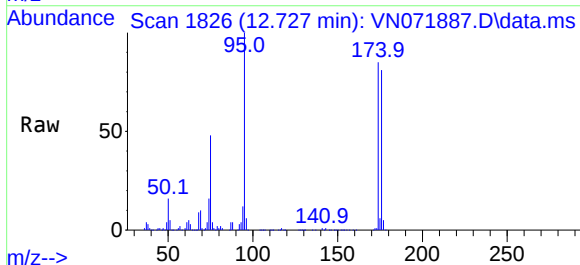
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5

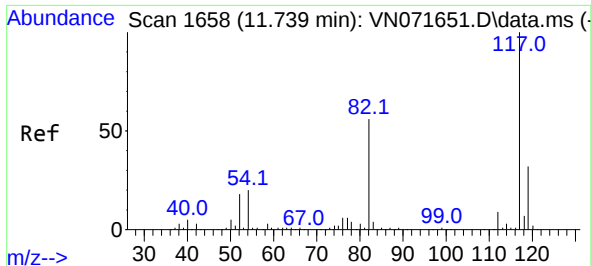
Tgt Ion: 43 Resp: 587680
Ion Ratio Lower Upper
43 100
58 20.9 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 55.395 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Tgt Ion: 95 Resp: 454935
Ion Ratio Lower Upper
95 100
174 85.4 0.0 167.6
176 82.1 0.0 163.4

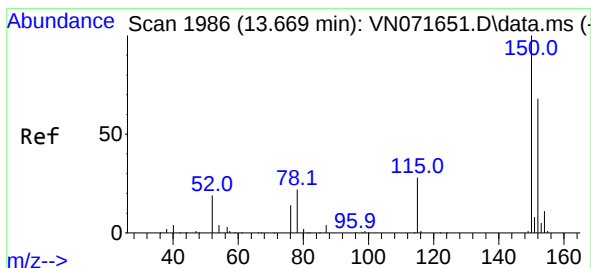
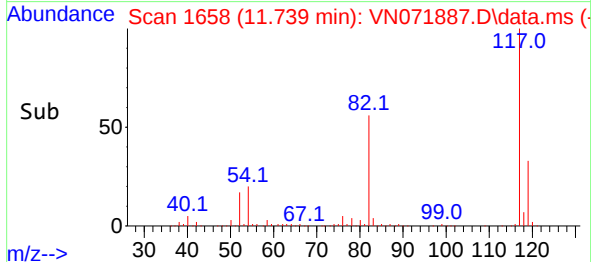
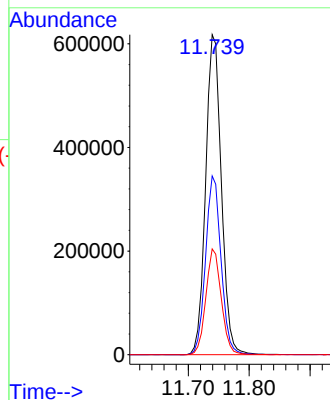
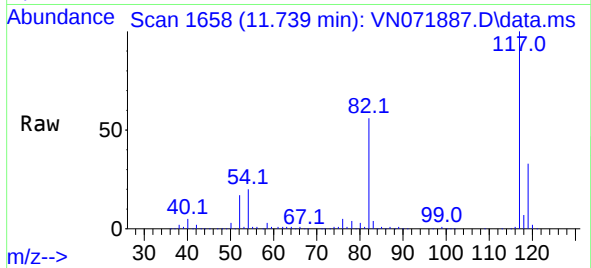




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

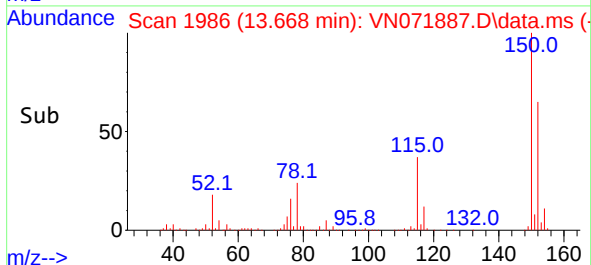
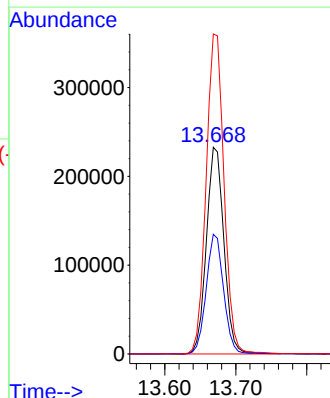
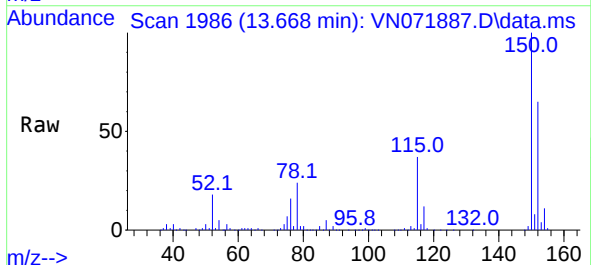
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5

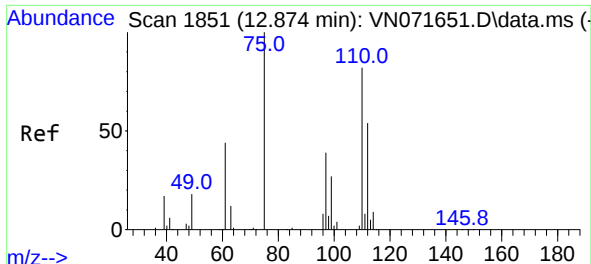
Tgt Ion:117 Resp: 1108000
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 33.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Tgt Ion:152 Resp: 400559
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.7
150 157.6 0.0 356.2

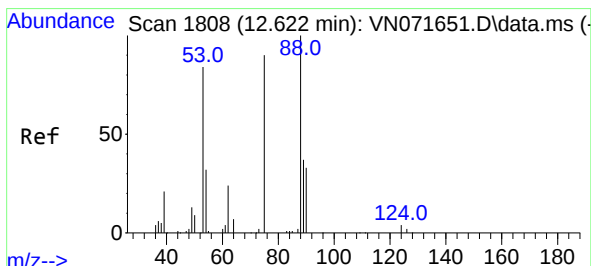
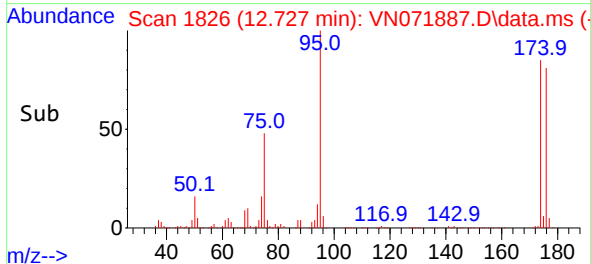
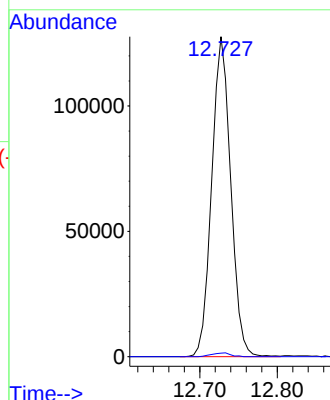
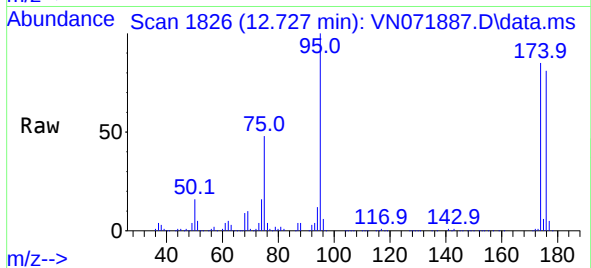




#76
1,2,3-Trichloropropane
Concen: 23.440 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

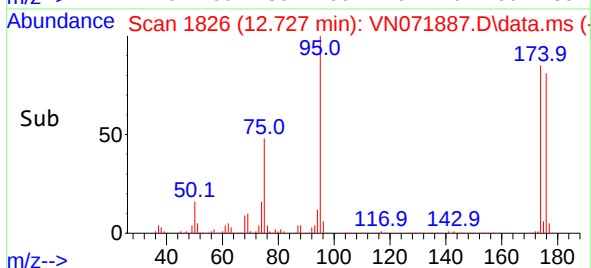
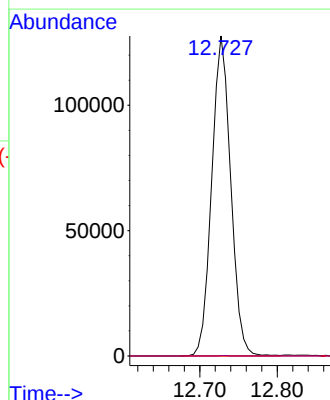
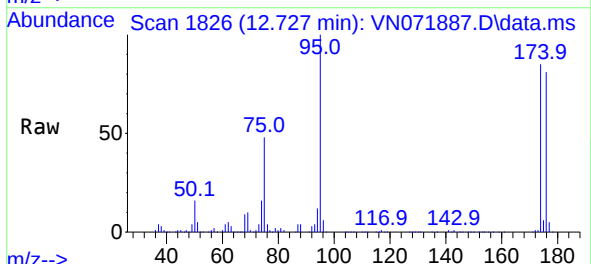
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5

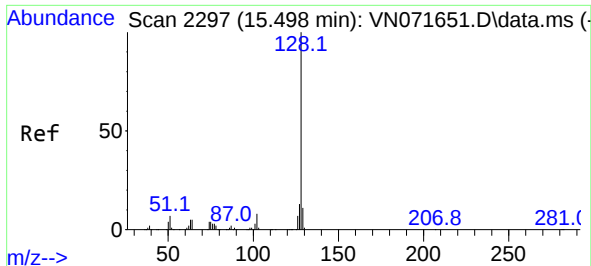
Tgt Ion: 75 Resp: 217501
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.638 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

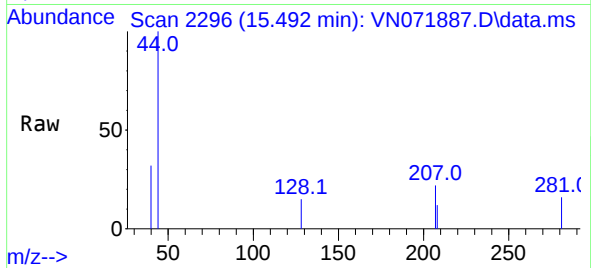
Tgt Ion: 75 Resp: 217501
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 3.815 ug/l
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071887.D
Acq: 06 Apr 2022 18:20

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-4-GR-5



Tgt Ion:128 Resp: 237
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

