

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
 Data File : VN071888.D
 Acq On : 06 Apr 2022 18:44
 Operator : JC\MD
 Sample : N2267-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LINDEN-SOUTH

Quant Time: Apr 07 04:30:04 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)

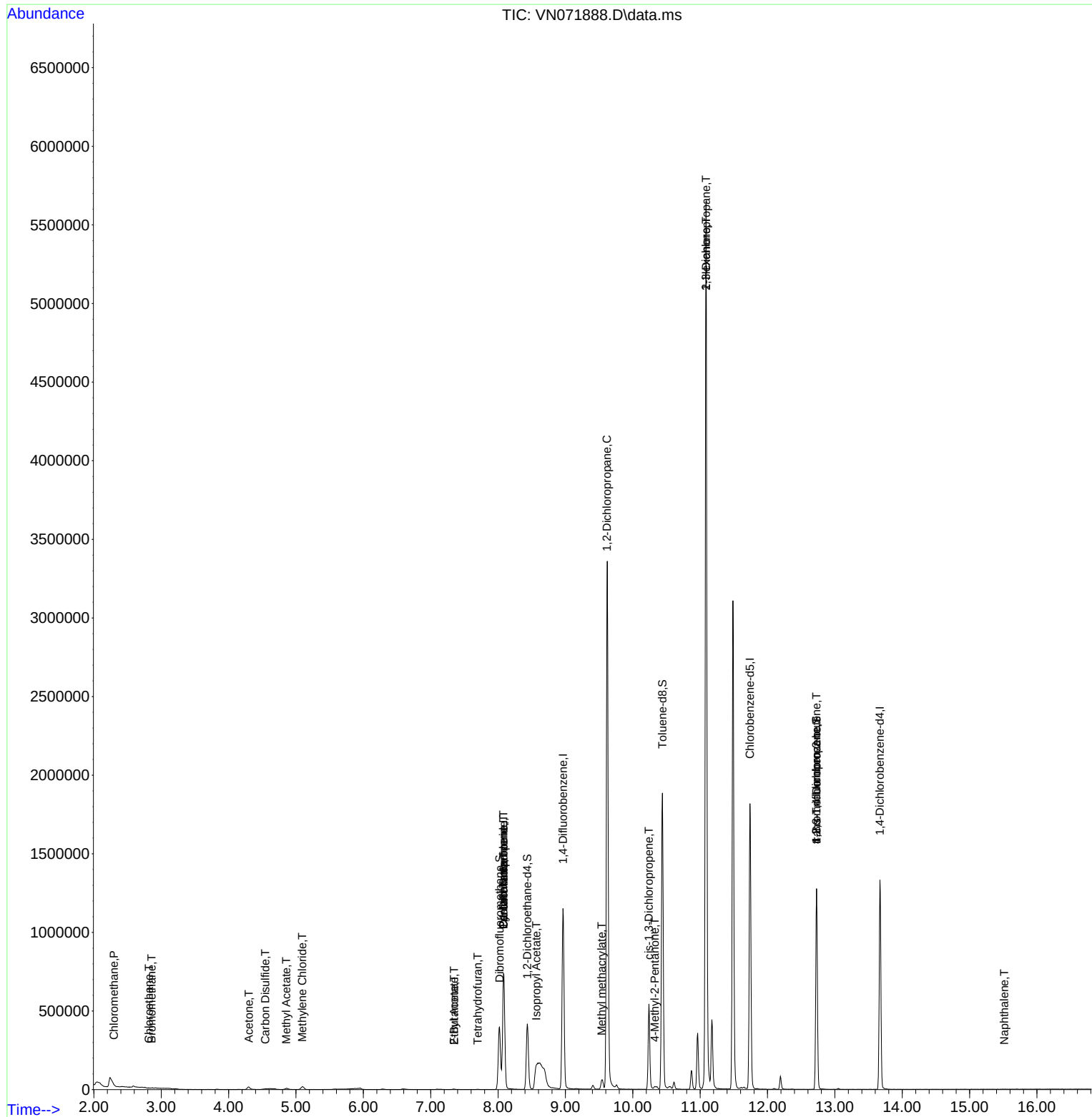
Internal Standards						
1) Pentafluorobenzene	8.080	168	617964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1085926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1120038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	398396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	346270	49.083	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.160%
35) Dibromofluoromethane	8.022	113	301885	47.243	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.480%
50) Toluene-d8	10.439	98	1371381	52.462	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.920%
62) 4-Bromofluorobenzene	12.727	95	455841	53.919	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1279	0.205	ug/l	92
5) Bromomethane	2.857	94	1092	0.246	ug/l #	64
6) Chloroethane	2.816	64	1523	0.310	ug/l #	42
16) Acetone	4.298	43	28422	9.427	ug/l #	88
17) Carbon Disulfide	4.545	76	3324	0.284	ug/l #	75
18) Methyl Acetate	4.857	43	16250	0.683	ug/l	93
20) Methylene Chloride	5.092	84	15402	2.424	ug/l	92
25) 2-Butanone	7.345	43	6683	1.538	ug/l	100
29) Tetrahydrofuran	7.698	42	1328	0.472	ug/l #	75
31) Cyclohexane	8.080	56	10252	1.069	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	42414	4.753	ug/l #	48
37) Ethyl Acetate	7.345	43	6683	0.684	ug/l #	67
38) Carbon Tetrachloride	8.080	117	54977	6.286	ug/l #	16
43) Isopropyl Acetate	8.569	43	201911	12.429	ug/l #	67
45) 1,2-Dichloropropane	9.616	63	4728	0.671	ug/l #	44
48) Methyl methacrylate	9.539	41	15628	2.319	ug/l #	10
49) 1,4-Dioxane	9.569	88	63	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	11094	1.188	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	106715	9.791	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	64337	5.247	ug/l #	43
59) 2-Hexanone	11.086	43	789729	120.092	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	217988	23.620	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	217988	73.196	ug/l #	10
95) Naphthalene	15.515	128	623	3.835	ug/l #	69

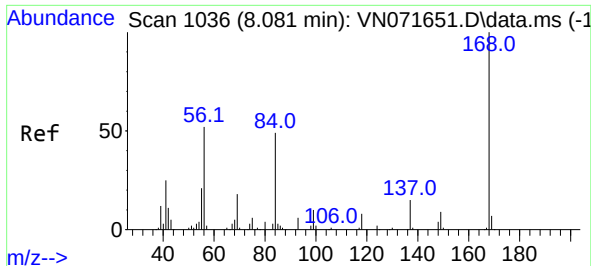
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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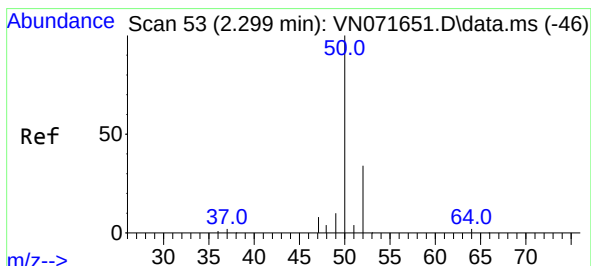
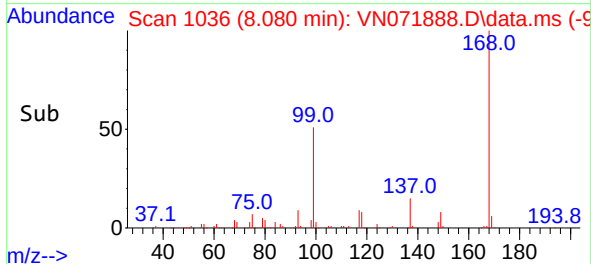
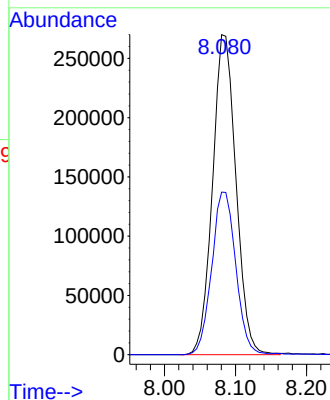
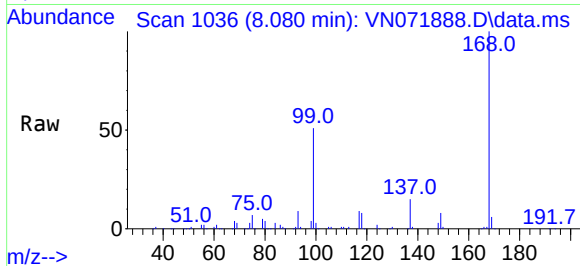




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

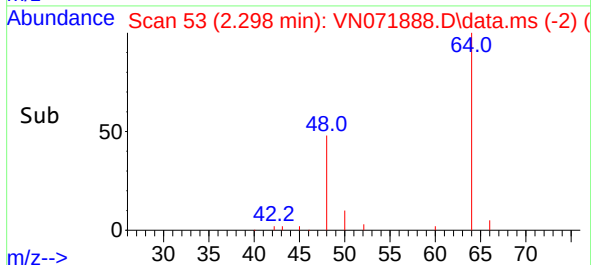
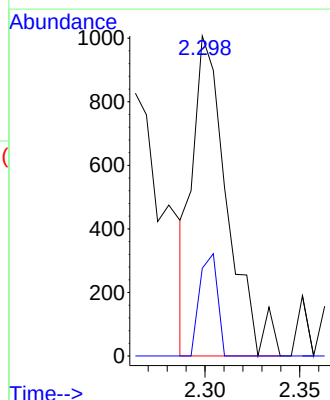
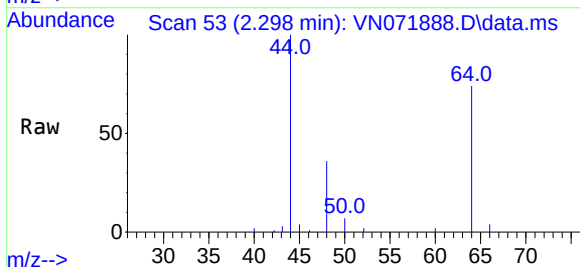
Instrument :
MSVOA_N
ClientSampleId :
LINDEN-SOUTH

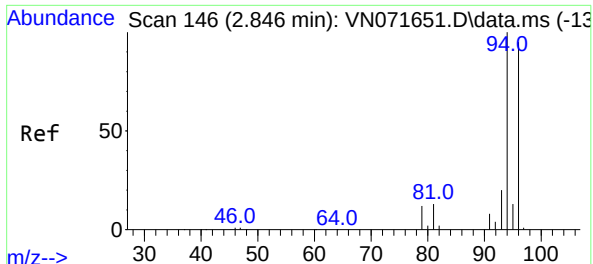
Tgt Ion:168 Resp: 617964
Ion Ratio Lower Upper
168 100
99 50.8 42.3 63.5



#3
Chloromethane
Concen: 0.205 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

Tgt Ion: 50 Resp: 1279
Ion Ratio Lower Upper
50 100
52 27.4 25.7 38.5

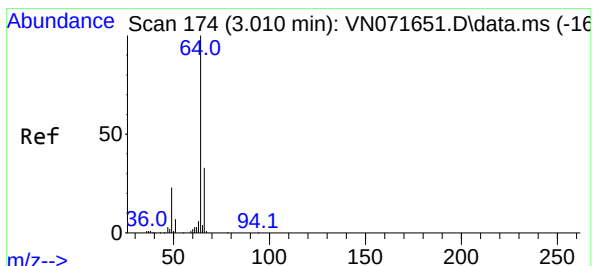
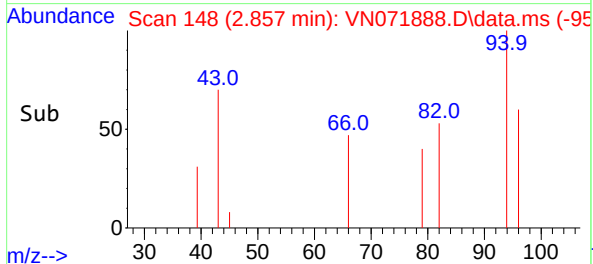
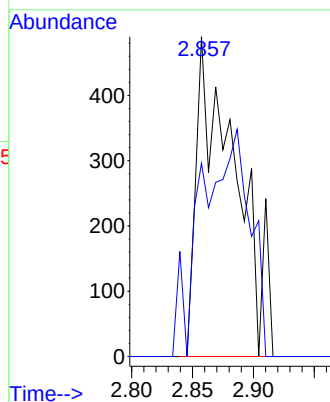
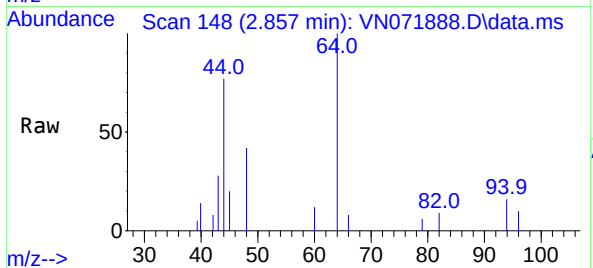




#5
Bromomethane
Concen: 0.246 ug/l
RT: 2.857 min Scan# 141
Delta R.T. 0.011 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

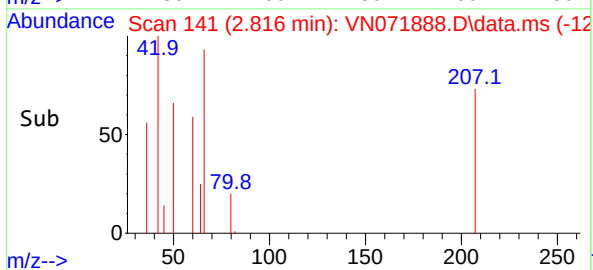
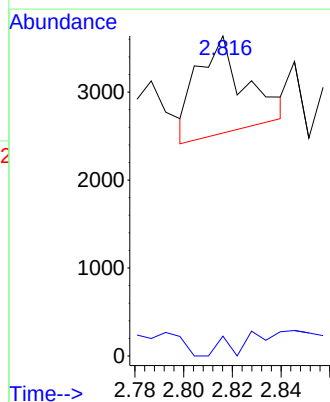
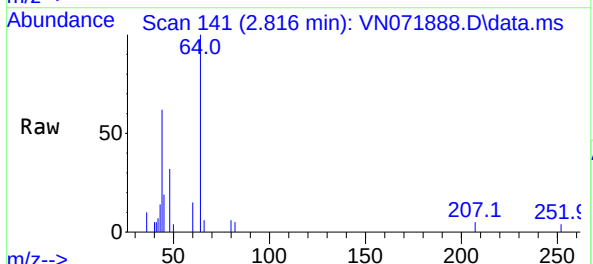
Instrument :
MSVOA_N
ClientSampleId :
LINDEN-SOUTH

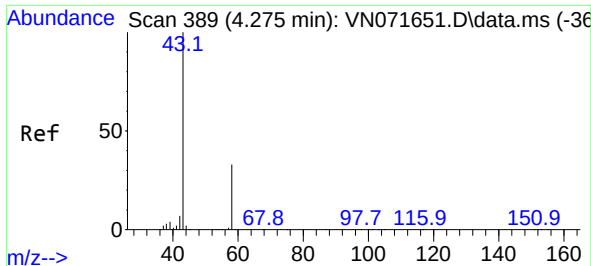
Tgt Ion: 94 Resp: 1092
Ion Ratio Lower Upper
94 100
96 60.4 76.0 114.0#



#6
Chloroethane
Concen: 0.310 ug/l
RT: 2.816 min Scan# 141
Delta R.T. -0.194 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

Tgt Ion: 64 Resp: 1523
Ion Ratio Lower Upper
64 100
66 0.2 26.2 39.4#





#16

Acetone

Concen: 9.427 ug/l

RT: 4.298 min Scan# 393

Delta R.T. 0.023 min

Lab File: VN071888.D

Acq: 06 Apr 2022 18:44

Instrument :

MSVOA_N

ClientSampleId :

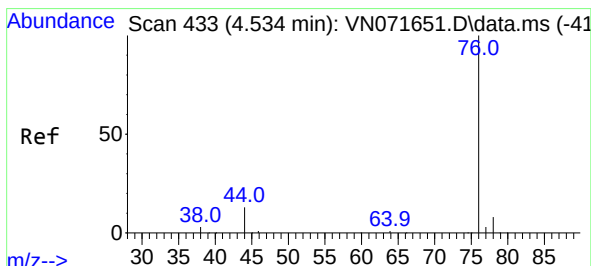
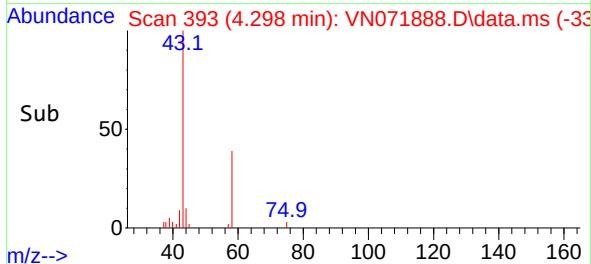
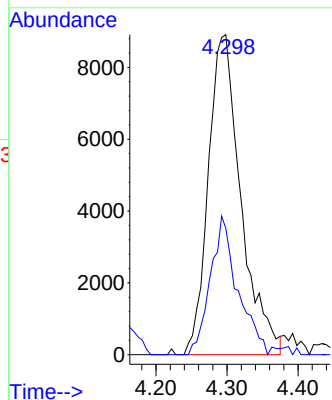
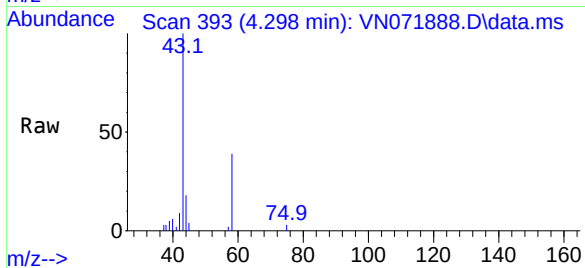
LINDEN-SOUTH

Tgt Ion: 43 Resp: 28422

Ion Ratio Lower Upper

43 100

58 39.5 26.0 39.0#



#17

Carbon Disulfide

Concen: 0.284 ug/l

RT: 4.545 min Scan# 435

Delta R.T. 0.011 min

Lab File: VN071888.D

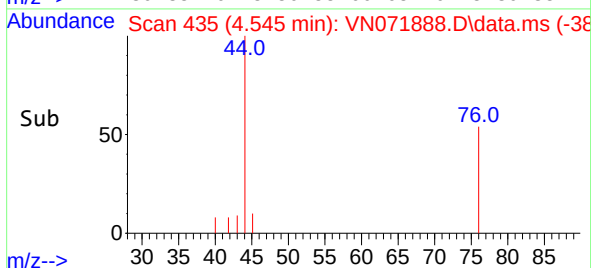
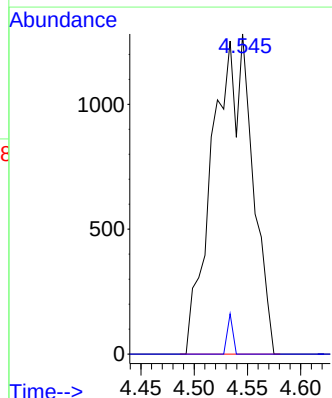
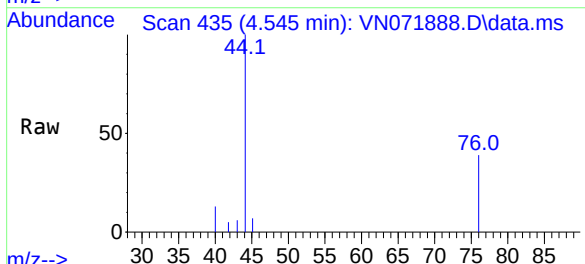
Acq: 06 Apr 2022 18:44

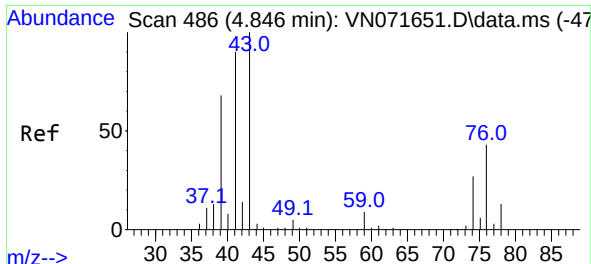
Tgt Ion: 76 Resp: 3324

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.683 ug/l

RT: 4.857 min Scan# 486

Delta R.T. 0.011 min

Lab File: VN071888.D

Acq: 06 Apr 2022 18:44

Instrument :

MSVOA_N

ClientSampleId :

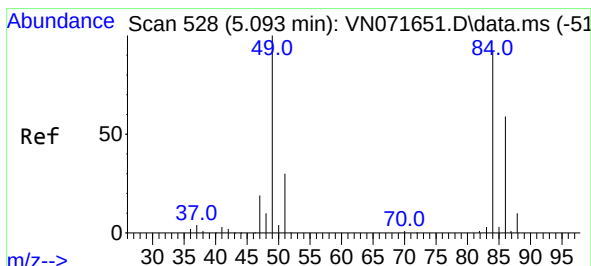
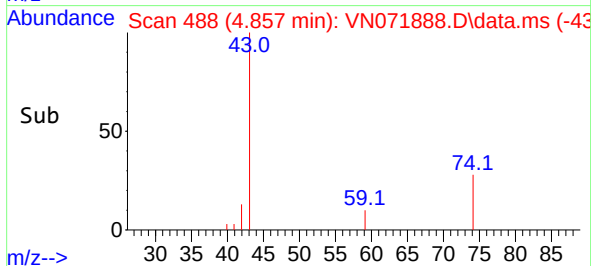
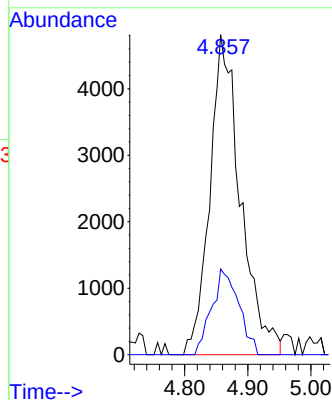
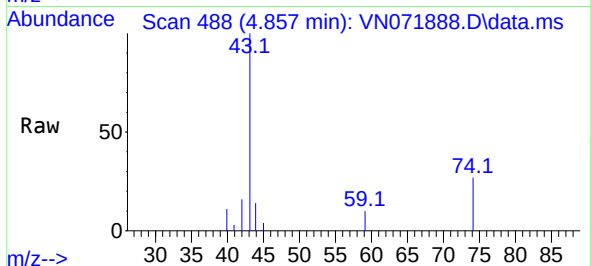
LINDEN-SOUTH

Tgt Ion: 43 Resp: 16250

Ion Ratio Lower Upper

43 100

74 23.6 21.6 32.4



#20

Methylene Chloride

Concen: 2.424 ug/l

RT: 5.092 min Scan# 528

Delta R.T. -0.001 min

Lab File: VN071888.D

Acq: 06 Apr 2022 18:44

Tgt Ion: 84 Resp: 15402

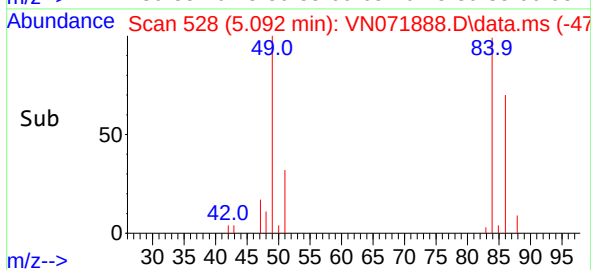
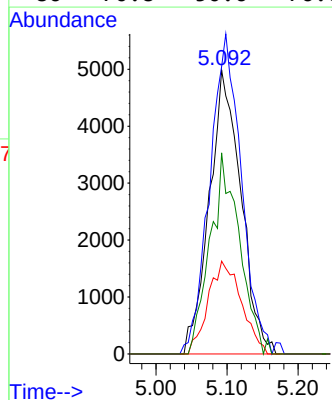
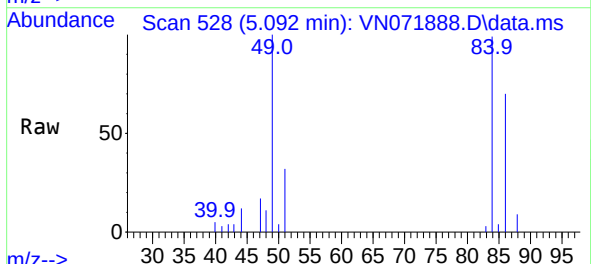
Ion Ratio Lower Upper

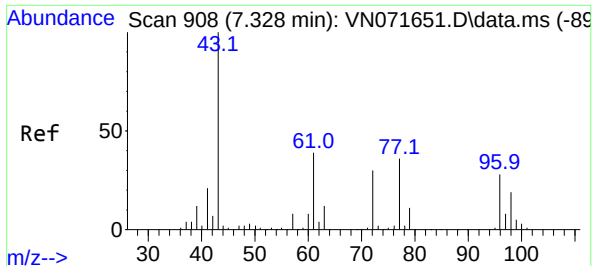
84 100

49 101.3 88.3 132.5

51 32.7 28.2 42.2

86 70.8 50.6 76.0





#25

2-Butanone

Concen: 1.538 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN071888.D

Acq: 06 Apr 2022 18:44

Instrument :

MSVOA_N

ClientSampleId :

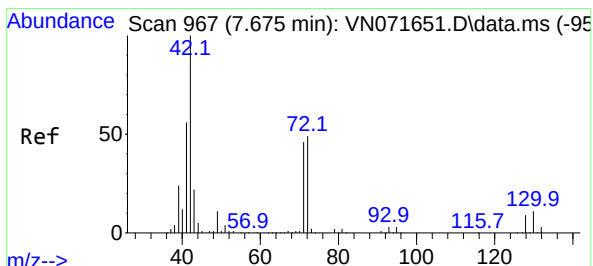
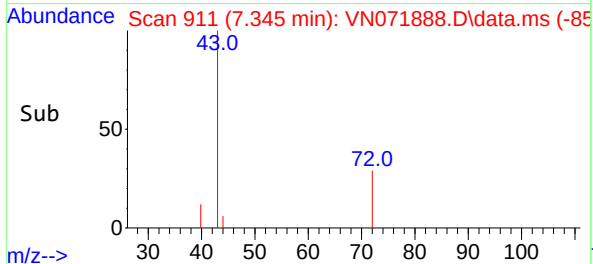
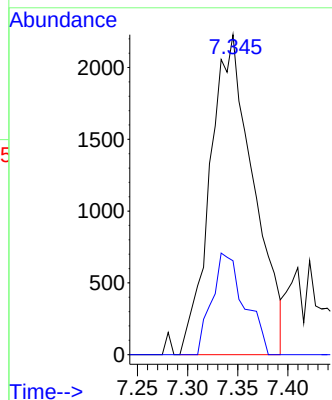
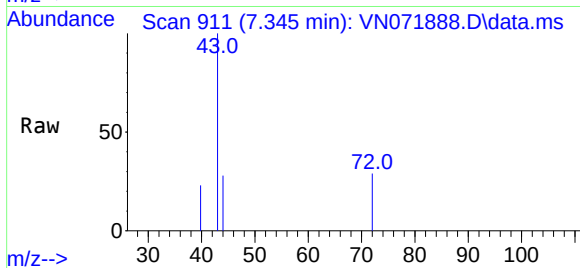
LINDEN-SOUTH

Tgt Ion: 43 Resp: 6683

Ion Ratio Lower Upper

43 100

72 29.3 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.472 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.023 min

Lab File: VN071888.D

Acq: 06 Apr 2022 18:44

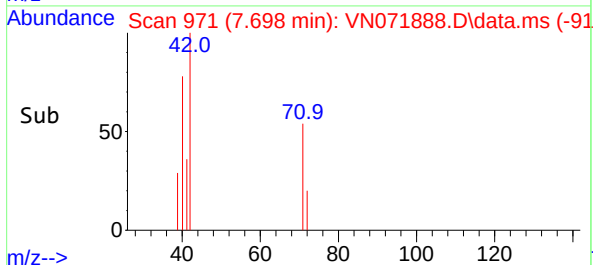
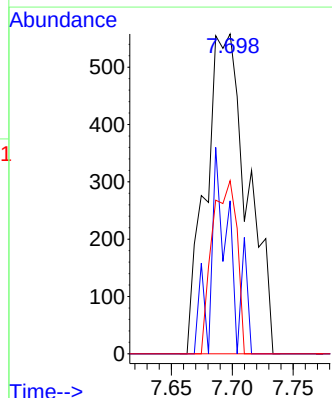
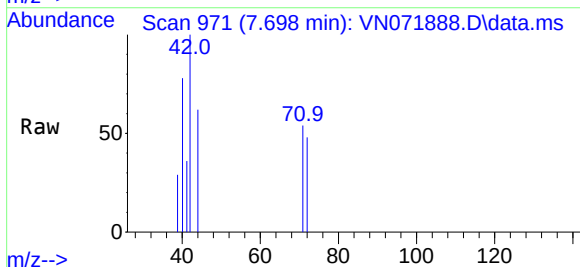
Tgt Ion: 42 Resp: 1328

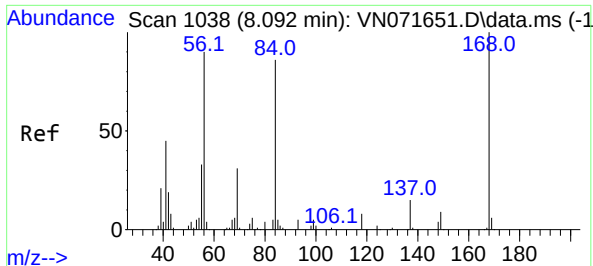
Ion Ratio Lower Upper

42 100

72 30.5 39.7 59.5#

71 32.0 36.6 55.0#





#31

Cyclohexane

Concen: 1.069 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071888.D

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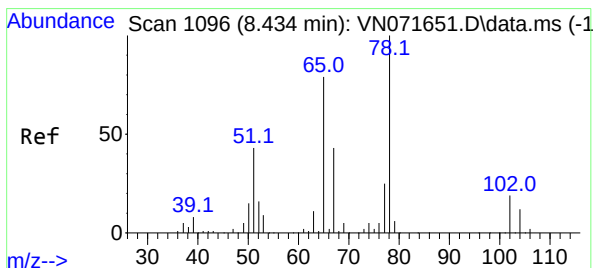
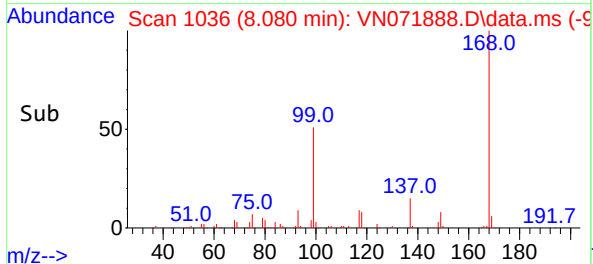
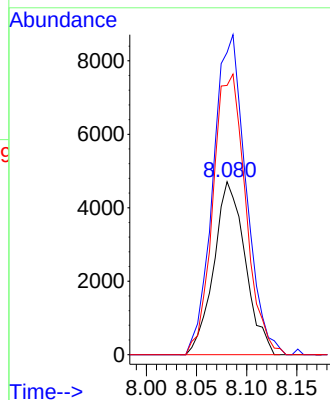
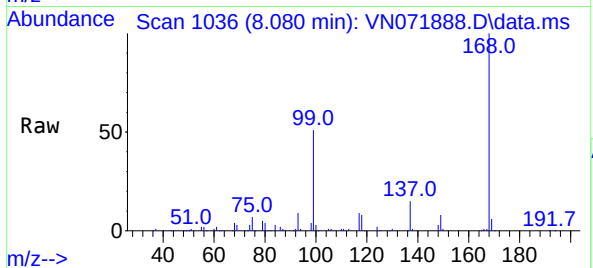
Tgt Ion: 56 Resp: 10252

Ion Ratio Lower Upper

56 100

69 174.8 27.8 41.8#

84 155.7 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 49.083 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN071888.D

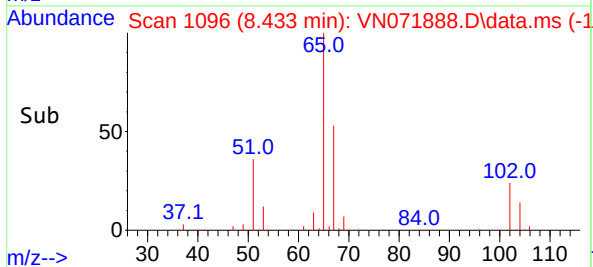
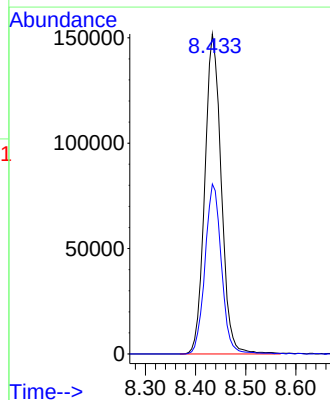
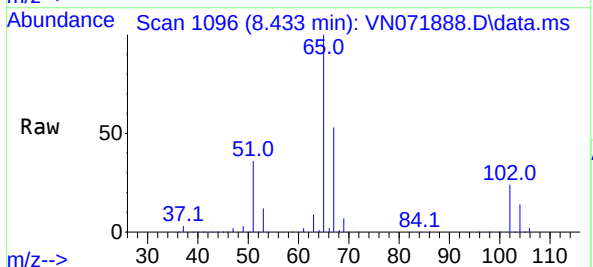
Acq: 06 Apr 2022 18:44

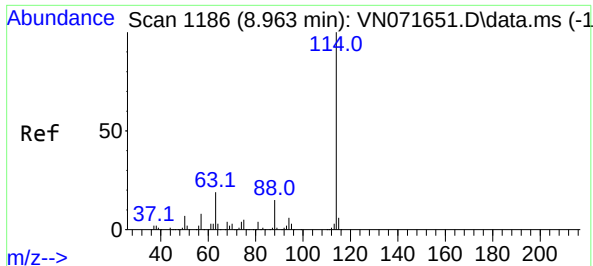
Tgt Ion: 65 Resp: 346270

Ion Ratio Lower Upper

65 100

67 52.9 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: VN071888.D

Acq: 06 Apr 2022 18:44

Instrument :

MSVOA_N

ClientSampleId :

LINDEN-SOUTH

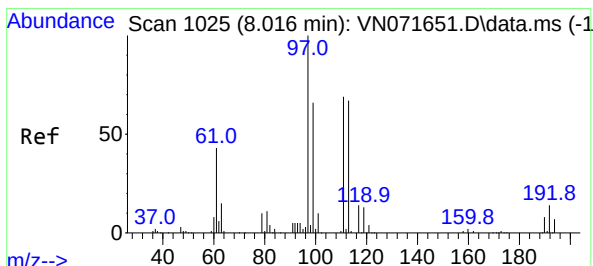
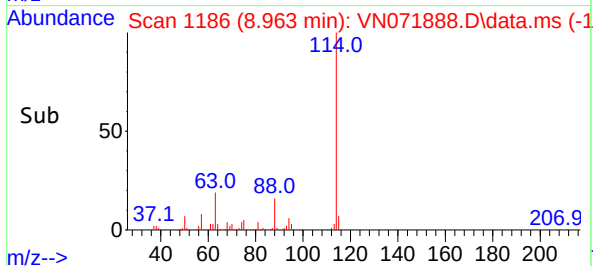
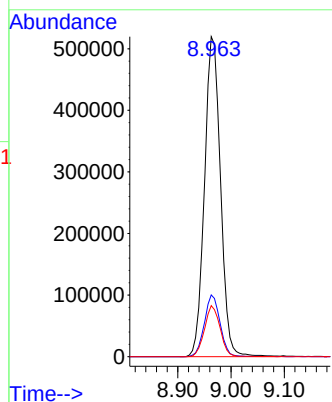
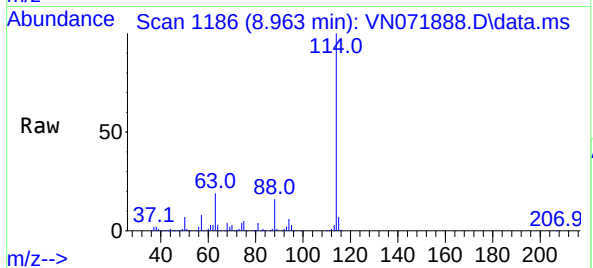
Tgt Ion:114 Resp: 1085926

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.243 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071888.D

Acq: 06 Apr 2022 18:44

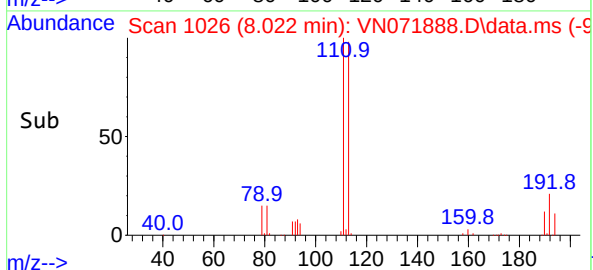
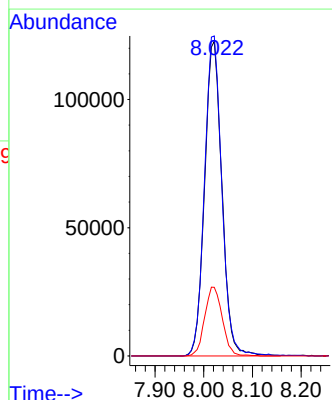
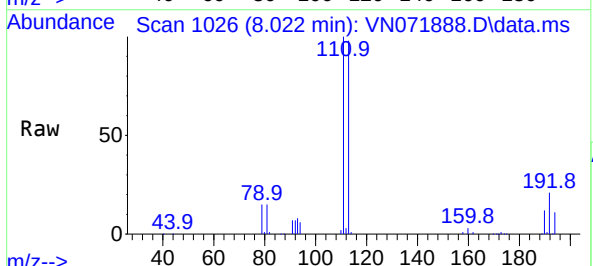
Tgt Ion:113 Resp: 301885

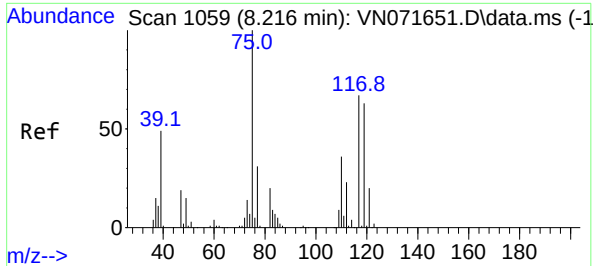
Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 22.3 17.0 25.6

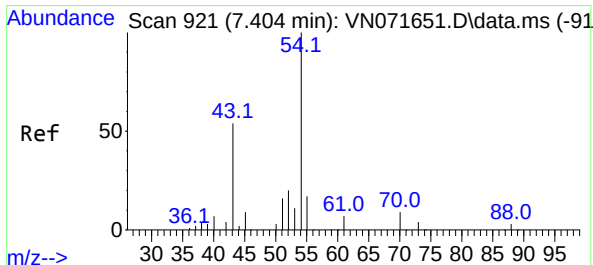
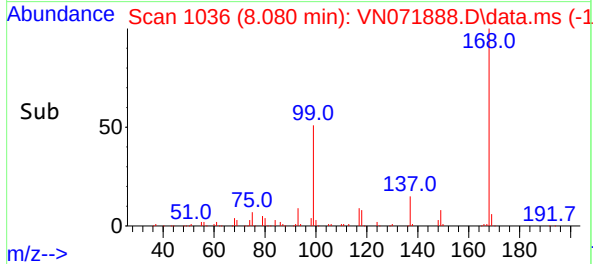
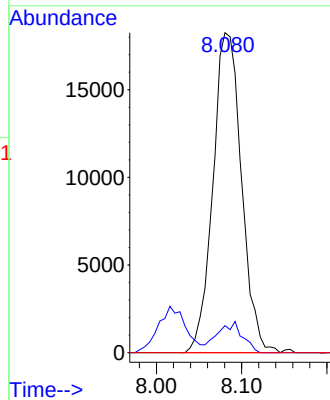
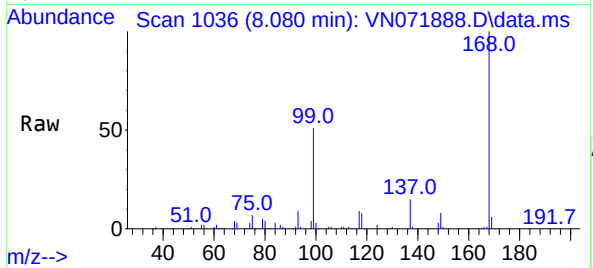




#36
1,1-Dichloropropene
Concen: 4.753 ug/l
RT: 8.080 min Scan# 1059
Delta R.T. -0.136 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

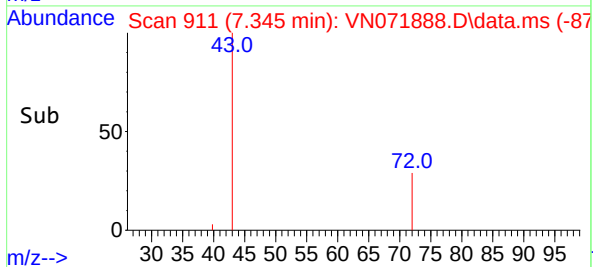
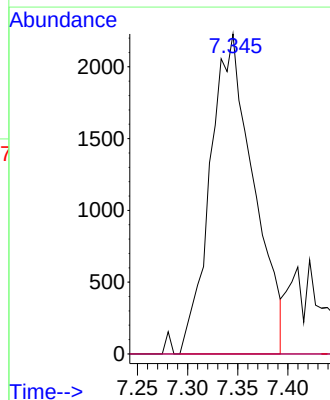
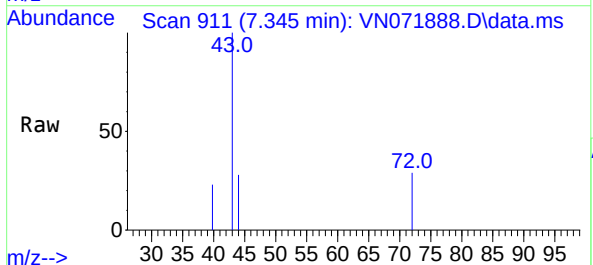
Instrument :
MSVOA_N
ClientSampleId :
LINDEN-SOUTH

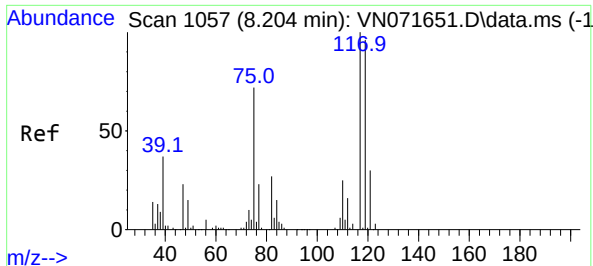
Tgt Ion: 75 Resp: 42414
Ion Ratio Lower Upper
75 100
110 8.3 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.684 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.059 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

Tgt Ion: 43 Resp: 6683
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#

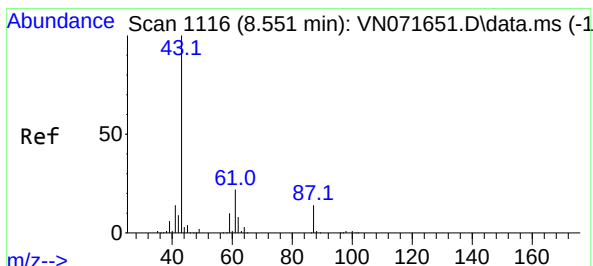
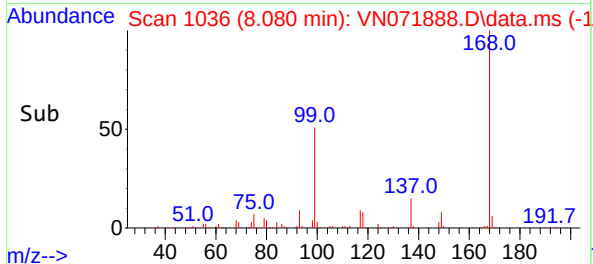
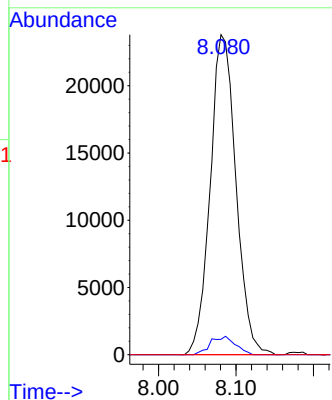
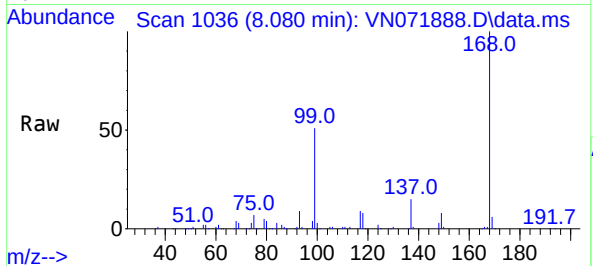




#38
Carbon Tetrachloride
Concen: 6.286 ug/l
RT: 8.080 min Scan# 1119
Delta R.T. -0.124 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

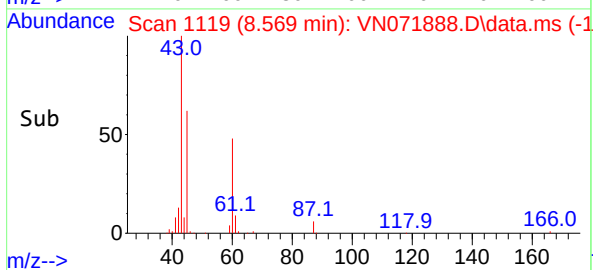
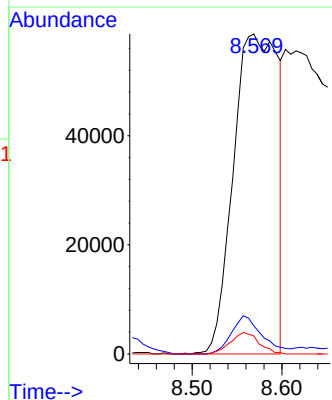
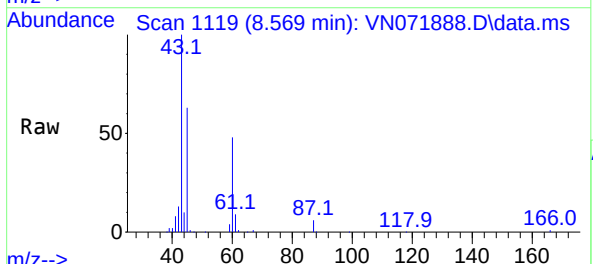
Instrument :
MSVOA_N
ClientSampleId :
LINDEN-SOUTH

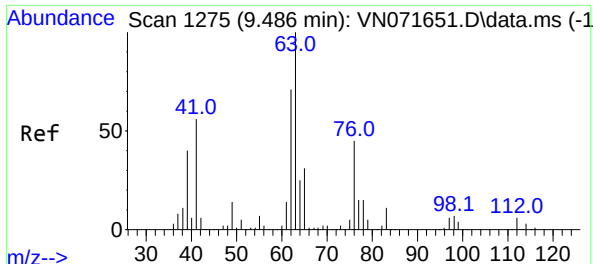
Tgt Ion:117 Resp: 54977
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 12.429 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.018 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

Tgt Ion: 43 Resp: 201911
Ion Ratio Lower Upper
43 100
61 8.3 21.9 32.9#
87 4.3 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.671 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.130 min

Lab File: VN071888.D

Acq: 06 Apr 2022 18:44

Instrument :

MSVOA_N

ClientSampleId :

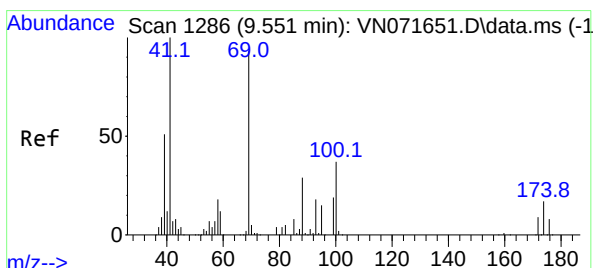
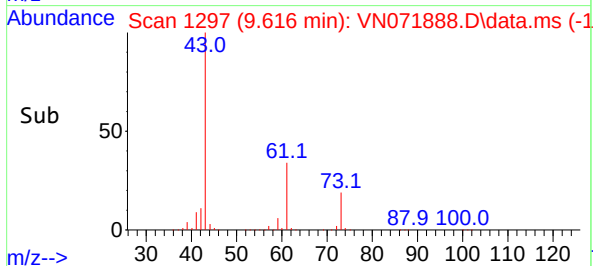
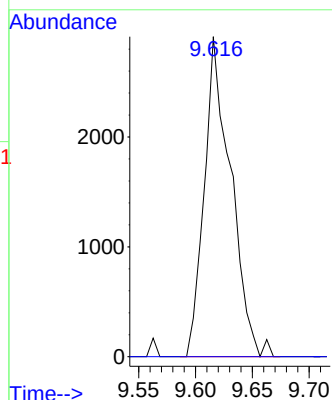
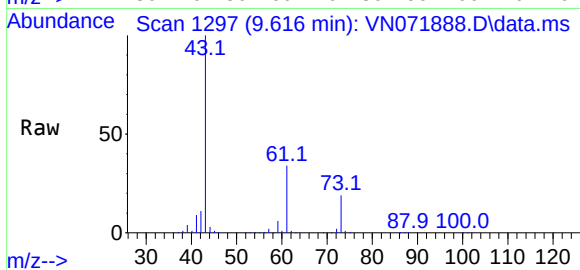
LINDEN-SOUTH

Tgt Ion: 63 Resp: 4728

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.319 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN071888.D

Acq: 06 Apr 2022 18:44

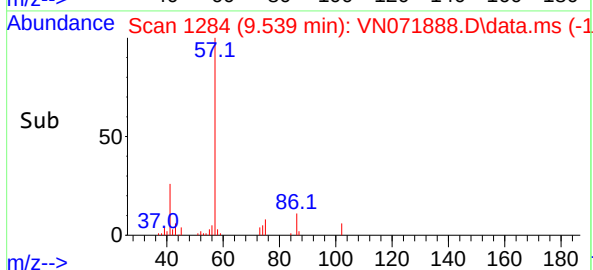
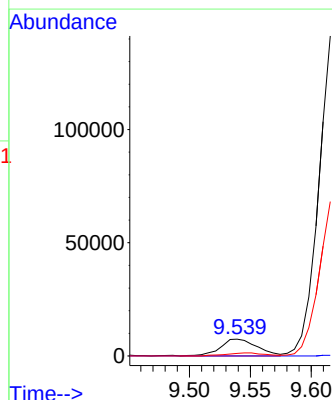
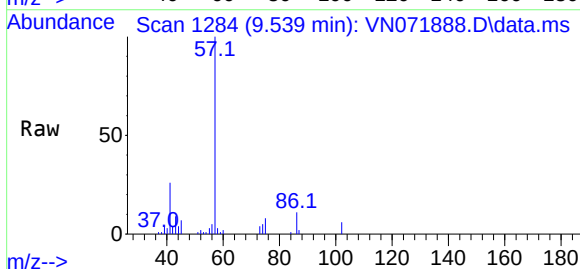
Tgt Ion: 41 Resp: 15628

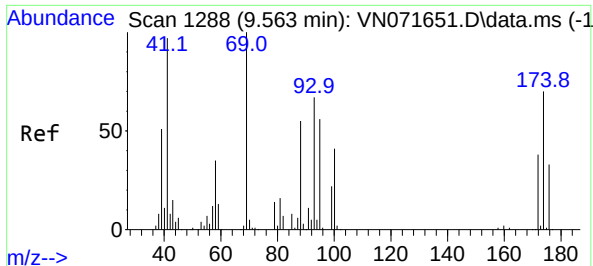
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.569 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN071888.D

Acq: 06 Apr 2022 18:44

Instrument :

MSVOA_N

ClientSampleId :

LINDEN-SOUTH

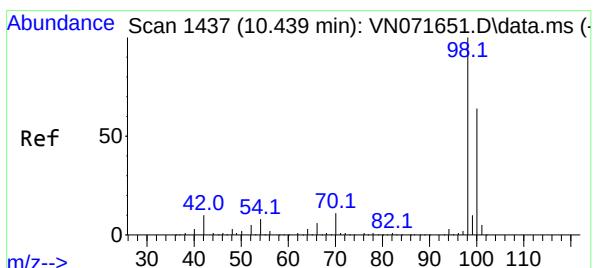
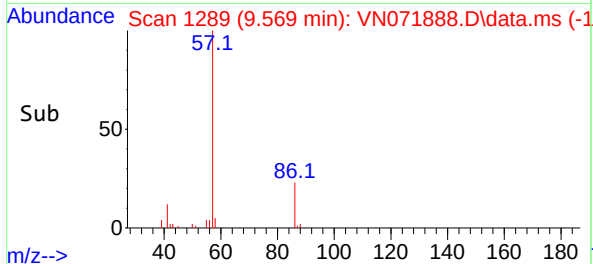
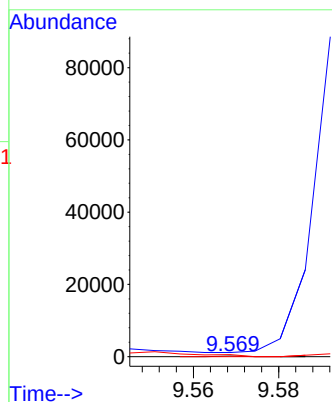
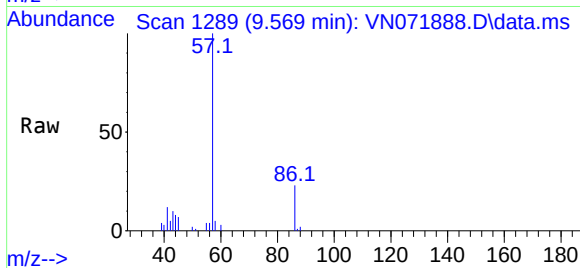
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 4249.2 54.2 81.4#



#50

Toluene-d8

Concen: 52.462 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071888.D

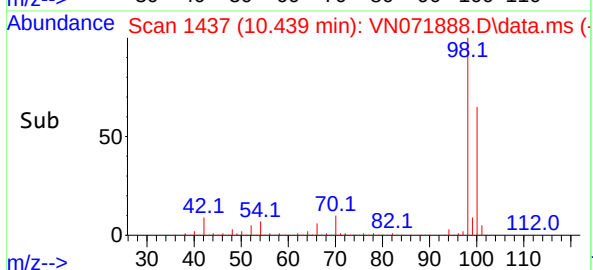
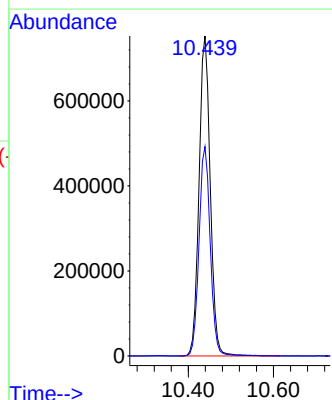
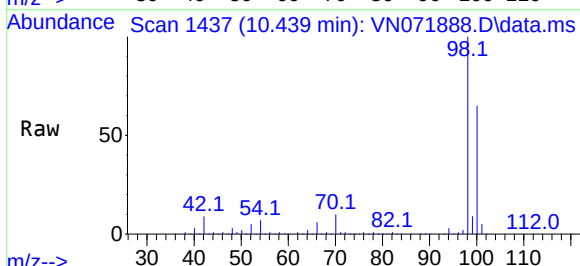
Acq: 06 Apr 2022 18:44

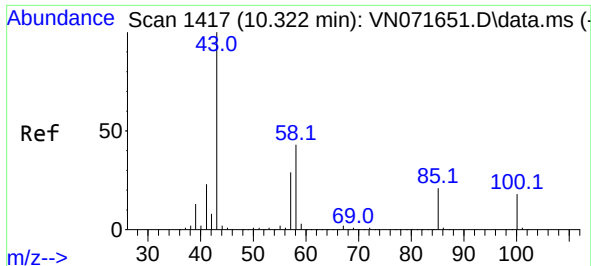
Tgt Ion: 98 Resp: 1371381

Ion Ratio Lower Upper

98 100

100 65.8 52.6 78.8

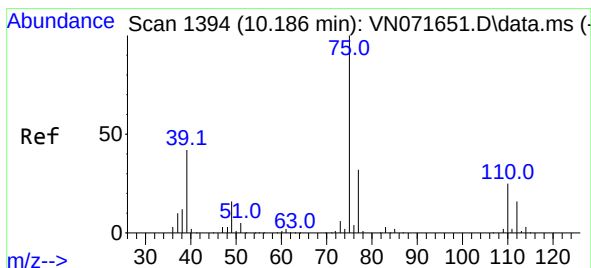
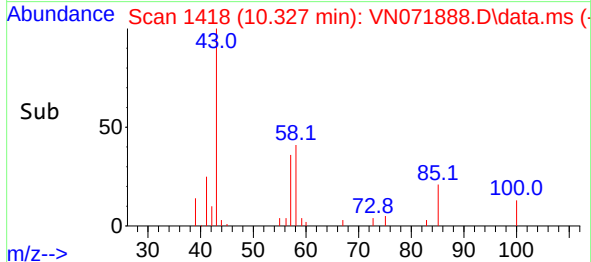
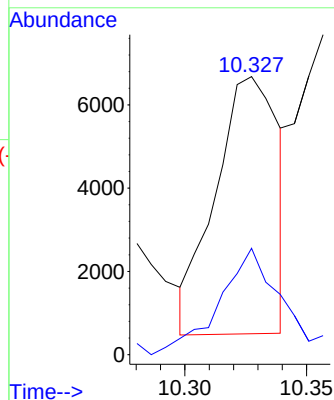
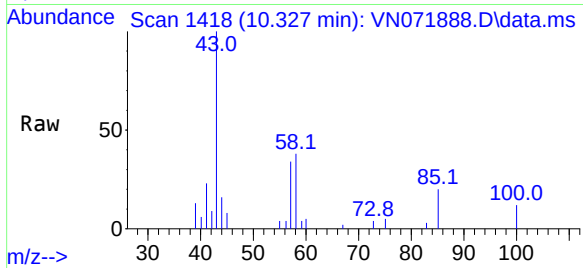




#51
4-Methyl-2-Pentanone
Concen: 1.188 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.005 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

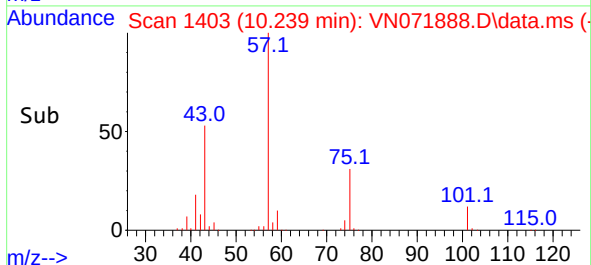
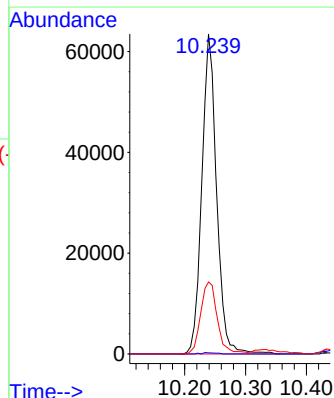
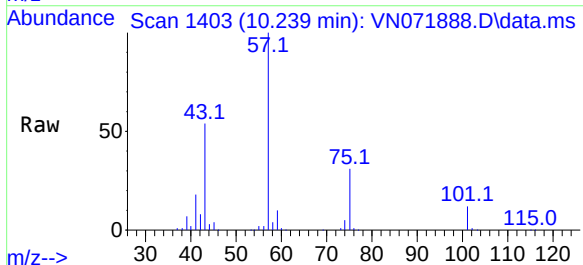
Instrument :
MSVOA_N
ClientSampleId :
LINDEN-SOUTH

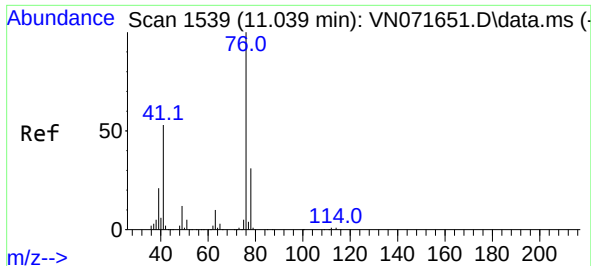
Tgt Ion: 43 Resp: 11094
Ion Ratio Lower Upper
43 100
58 41.2 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 9.791 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

Tgt Ion: 75 Resp: 106715
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 22.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.247 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071888.D

Acq: 06 Apr 2022 18:44

Instrument :

MSVOA_N

ClientSampleId :

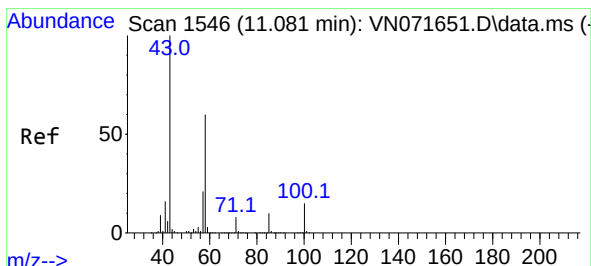
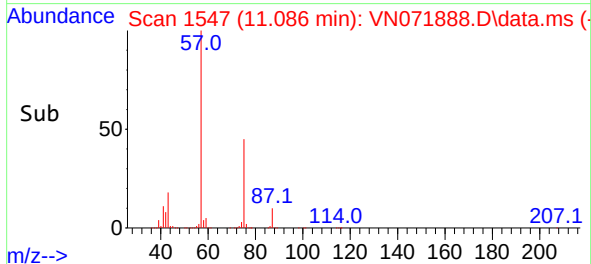
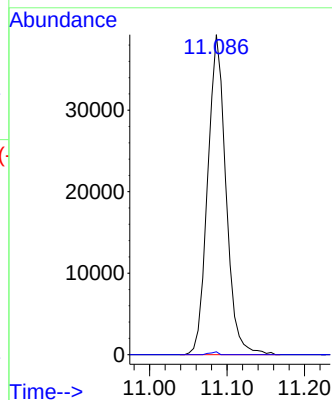
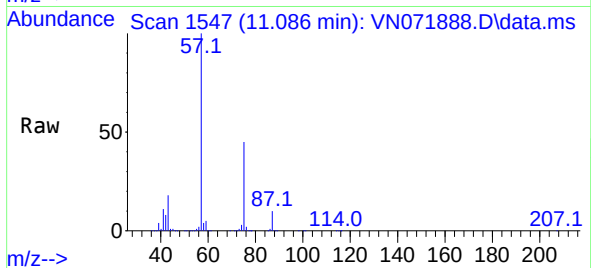
LINDEN-SOUTH

Tgt Ion: 76 Resp: 64337

Ion Ratio Lower Upper

76 100

78 0.4 26.2 39.2#



#59

2-Hexanone

Concen: 120.092 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071888.D

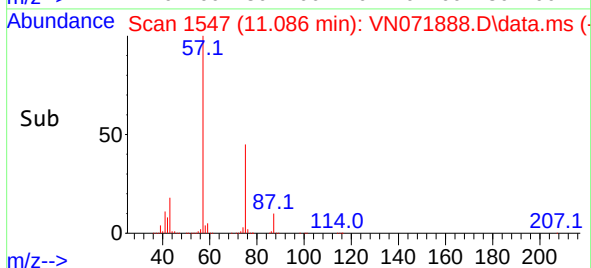
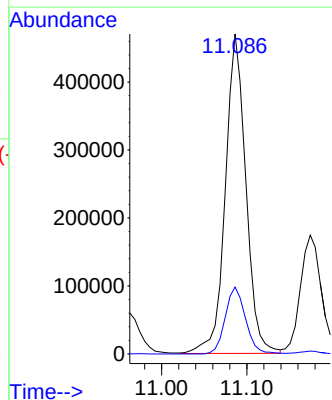
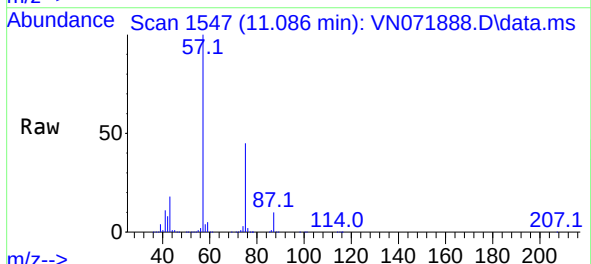
Acq: 06 Apr 2022 18:44

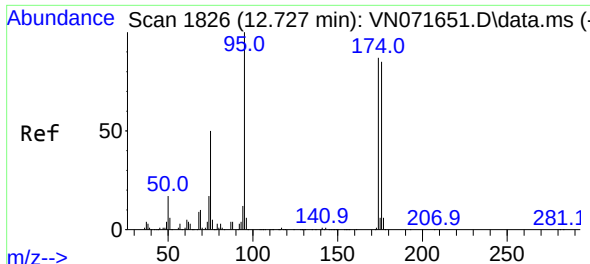
Tgt Ion: 43 Resp: 789729

Ion Ratio Lower Upper

43 100

58 20.7 29.7 89.1#

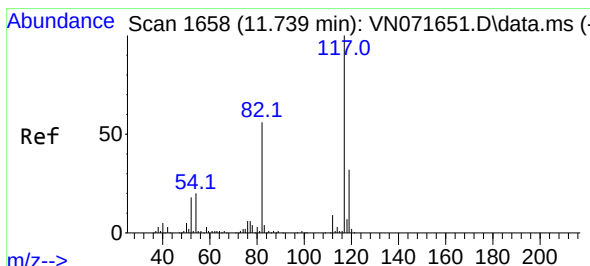
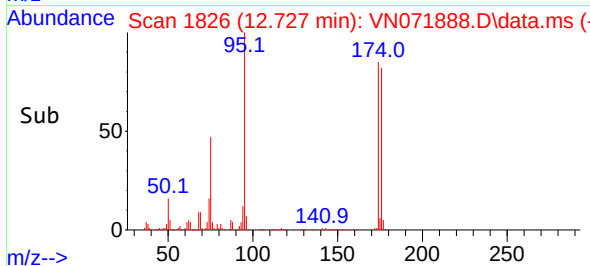
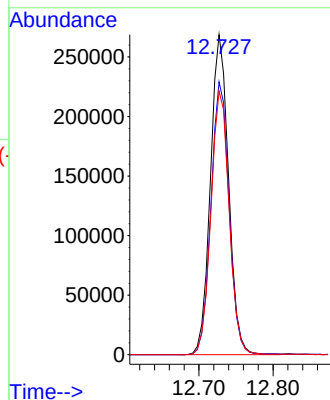
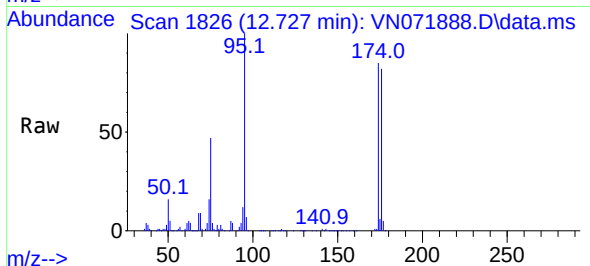




#62
4-Bromofluorobenzene
Concen: 53.919 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

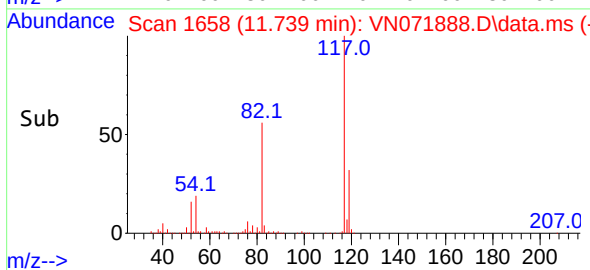
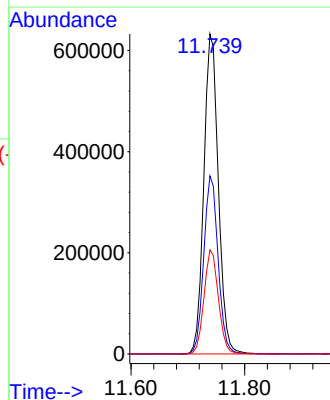
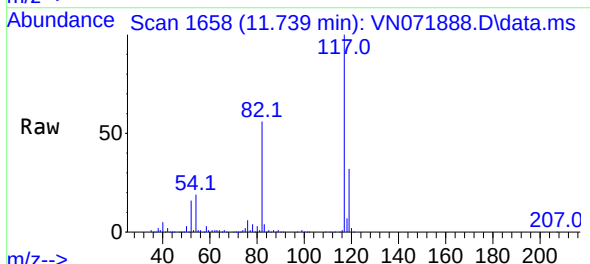
Instrument :
MSVOA_N
ClientSampleId :
LINDEN-SOUTH

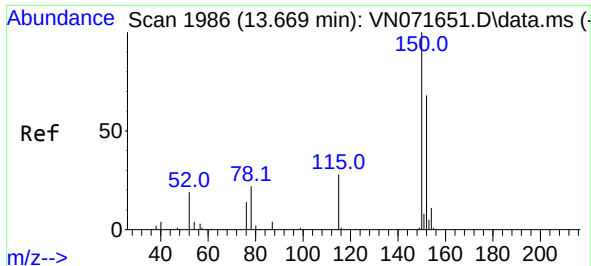
Tgt Ion: 95 Resp: 455841
Ion Ratio Lower Upper
95 100
174 85.5 0.0 167.6
176 82.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

Tgt Ion: 117 Resp: 1120038
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.5 25.4 38.0

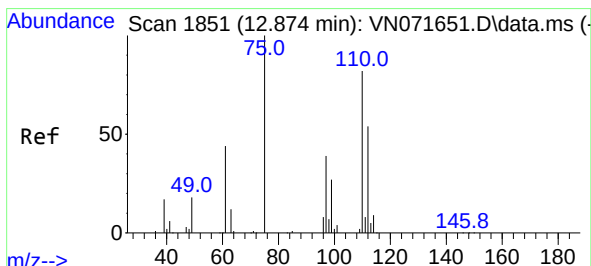
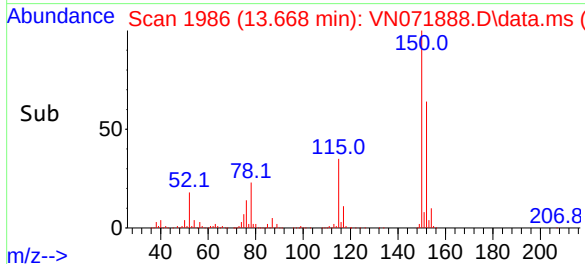
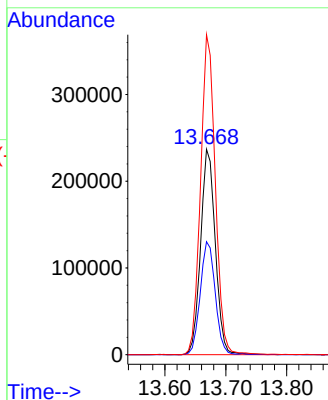
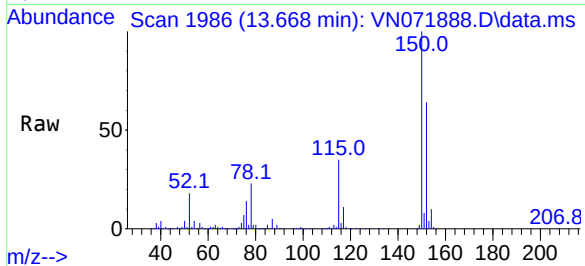




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

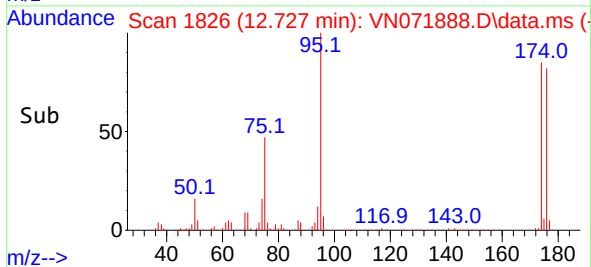
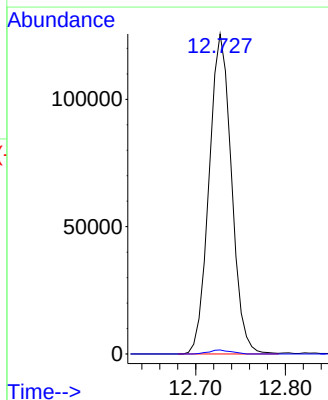
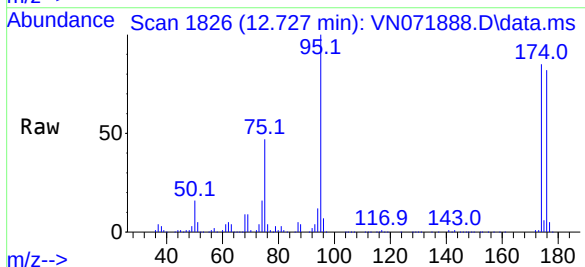
Instrument :
MSVOA_N
ClientSampleId :
LINDEN-SOUTH

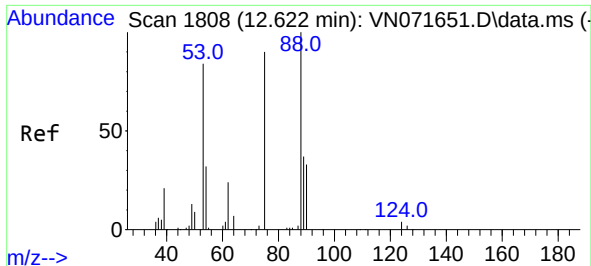
Tgt Ion:152 Resp: 398396
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 156.4 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 23.620 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

Tgt Ion: 75 Resp: 217988
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

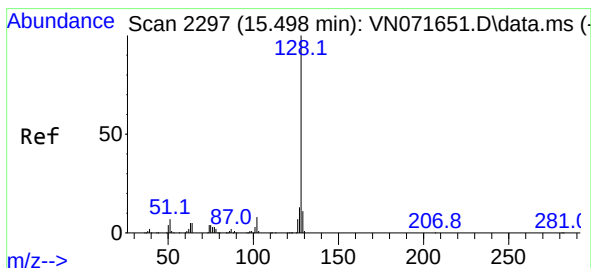
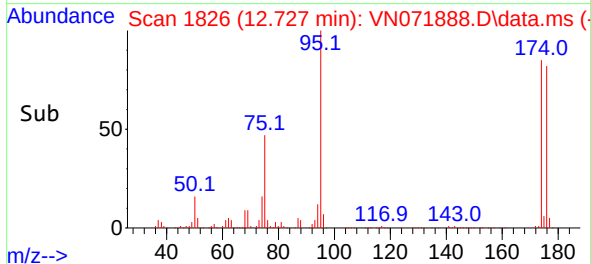
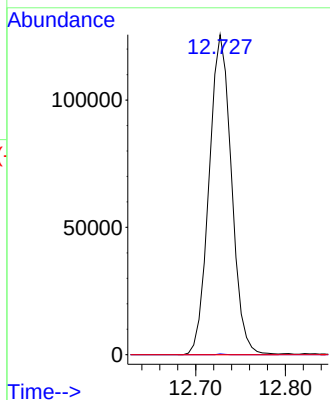
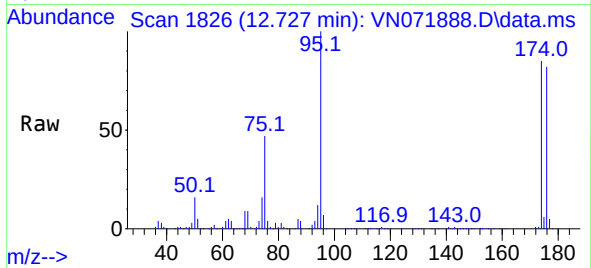




#81
trans-1,4-Dichloro-2-butene
Concen: 73.196 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

Instrument :
MSVOA_N
ClientSampleId :
LINDEN-SOUTH

Tgt Ion: 75 Resp: 217988
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.835 ug/l
RT: 15.515 min Scan# 2300
Delta R.T. 0.017 min
Lab File: VN071888.D
Acq: 06 Apr 2022 18:44

Tgt Ion:128 Resp: 623
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

